

THE FIRST WORLD AGRICULTURAL CENSUS (1930)

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NOTES ON TABULATION OF THE CENSUS  
RESULTS

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—  
COMMONWEALTH OF AUSTRALIA  
NEW ZEALAND

INTERNATIONAL INSTITUTE OF AGRICULTURE

THE FIRST  
WORLD AGRICULTURAL CENSUS  
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VOLUME V



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## THE AGRICULTURAL CENSUS IN INDIA

The Government of India, as a special contribution to the World Agricultural Census, has published a series of statistics drawn for the most part from its normal statistical records. These are reproduced in the following tables. The most important addition to the normal statistics consists of those indicating the production of the principal crops of India obtained in 1929-30 on "Other tracts" the crops of which are usually not comprised in the statistics of production.

A complete census, marking an appreciable advance on the two previously conducted, was effected only in the case of live stock, ploughs and carts. Previously the period of enumeration was too long and there were consequent defects in the results. For the second census, which was taken in 1924-25, the period of enumeration was reduced to about four months between December and April. On the occasion of the last census, all the returns were made simultaneously in January 1930. The general method followed in the 1930 census is briefly stated below:

A preliminary list of stock held by villages and owners was prepared by the village accountants before the actual or final enumeration took place. In the permanently settled tracts of Bengal, Bihar and Orissa and Assam, the preliminary census was conducted by the *chaukidari panchayats*. The list was scrutinized by higher officers and in some cases by the Co-operative, Agriculture and Veterinary staff in regard to whose co-operation arrangements were made with their superior officers. Suitable arrangements were also made for supervision of the work in towns and cantonments. The actual enumeration was then conducted and necessary corrections were made in the preliminary list. The enumeration and checking was, as far as possible, done in the evening and early morning when the cattle were generally in or near their owners' houses. The census includes stock in towns and cantonments and also that owned and employed by Government departments and municipalities, for the enumeration and supervision of which special arrangements were made with the authorities concerned. The stock in tea gardens was enumerated by the managers of the gardens and that in the colliery areas by the staff of the Board of Colliery Mines. Cattle belonging to one village but present in another for grazing or other purposes were enumerated in the village where they were present on the date of final enumeration. Cattle owned by professional graziers with no fixed residence were included in the enumeration list of the village in which the cattle grazed. Due allowance was made for cattle in transit on the date of the final enumeration.

The data contained in this Bulletin were obtained from the following source:—*Department of Commercial Intelligence and Statistics, India. — Agricultural Statistics of India, 1929-30 (specially prepared in connection with the World Agricultural Census, 1930). Calcutta.*

A - GENERAL DATA

## 1. — AREA.

| DESCRIPTION  | BRITISH INDIA |                         | INDIAN STATES |                         | ALL INDIA     |                         |
|--|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
|  | Absolute data | Percentage of the total | Absolute data | Percentage of the total | Absolute data | Percentage of the total |
|  | acres         | %                       | acres         | %                       | acres         | %                       |
| Cultivated land . . . . .  | 277,874,774   | 38.5                    | 79,178,821    | 17.8                    | 357,053,595   | 30.6                    |
| Uncultivated land and forests . . . . .                            | 389,640,832   | 54.1                    | 59,983,632    | 13.5                    | 449,624,464   | 38.6                    |
| Total area covered by agricultural statistics (1) . . . . .        | 667,515,606   | 92.6                    | 139,162,453   | 31.3                    | 806,678,059   | 69.2                    |
| Some area according to professional survey (2) . . . . .           | 669,916,000   | 92.9                    | 138,908,000   | 31.2                    | 808,825,000   | 69.4                    |
| Area for which agricultural statistics are not available . . . . . | 50,945,000    | 7.1                     | 306,197,000   | 68.8                    | 357,142,000   | 30.6                    |
| Total territorial area . . . . .                                   | 720,861,800   | 100.0                   | 445,106,000   | 100.0                   | 1,165,967,800 | 100.0                   |

(1) Figures of agricultural statistics are prepared from "village papers" i.e. papers prepared by the village accountants for the purpose of assessment and collection of land revenue. In some cases the area given in the village papers differs to some extent from the area ascertained by professional survey. The causes of this difference are: (a) while the surveyed area of a district or province is calculated in blocks, the area by village papers represents the added total of field and village areas, and, (b) the system followed as regards the inclusion or exclusion of areas covered by water, buildings, roads and rail-roads is not uniform in the two sets of returns. Both figures, those of village papers and of professional survey as regards the area covered by agricultural statistics have been inserted in the table. Percentages of cultivated and uncultivated land in relation to the total area are not entirely exact, being based on the figures of the village papers; they show an under estimation in the case of British India and an over-estimation in the case of the Indian States but both are negligible.

## 2. — DISTRIBUTION OF TOTAL AREA ACCORDING TO TENURE.

| CLASSIFICATION (*)  | BRITISH INDIA (1) |                         | INDIAN STATES (2) |                         | ALL INDIA     |                         |
|---|-------------------|-------------------------|-------------------|-------------------------|---------------|-------------------------|
|   | Absolute data     | Percentage of the total | Absolute data     | Percentage of the total | Absolute data | Percentage of the total |
|   | acres             | %                       | acres             | %                       | acres         | %                       |
| Rajputwari . . . . .  | 334,799,949       | 50.2                    | 61,394,366        | 43.0                    | 396,094,315   | 48.9                    |
| Zamindari and village communities temporarily settled . . . . . | 198,831,055       | 29.1                    | 15,045,935        | 10.6                    | 334,892,980   | 41.4                    |
| Zamindari permanently settled . . . . .                         | 121,015,990       | 18.1                    |                   |                         |               |                         |
| Other classifications . . . . .                                 | 12,469,067        | 1.8                     | —                 | —                       | 12,469,067    | 1.5                     |
| No specified classifications . . . . .                          | —                 | —                       | 66,208,765        | 46.4                    | 66,208,765    | 8.2                     |
| Total area covered by agricultural statistics (1) . . . . .     | 667,116,881       | 100.0                   | 142,541,064       | 100.0                   | 809,657,945   | 100.0                   |

(\*) This statement shows the varieties of land tenures, as far as possible, under one or other of the following three heads, namely: (a) rajputwari, (b) zamindari and village communities (temporarily settled) and (c) zamindari (permanently settled). Where the revenue is assessed by the State permanently or temporarily on an individual or community owning an estate and occupying a position identical or analogous to that of a landlord, the tenure is known as zamindari or village community; and when the revenue is assessed on individuals who are the actual occupants or are accepted as representing the occupants, of smaller holdings, the tenure is known as rajputwari. Under either system there may be rent-paying subtenants. Zamindari tenure may be either permanently settled, i.e. where the land revenue has been fixed in perpetuity, or temporarily settled, i.e. where the land revenue is fixed for a limited number of years only. Village communities and rajputwari tenures are as a rule, temporarily settled, and the land revenue on them is liable to change from time to time. Some villages (entire rent-free granted) for the Madras Provinces are included under Zamindari Permanently settled. Other classifications include the area under Government Forests for Central Provinces and Berar.

(1) Totals are slightly different from those of agricultural statistics used in other tables chiefly because figures for British Provinces relate to various years and figures for Indian States are based in many cases on data of professional survey instead of those of village papers used in agricultural statistics. Aggregate figures of the assessment in different years on the various British Provinces are shown on Table 14. — (2) Data relating to 1929-30.





5. — AREA AND ESTIMATED PRODUCTION OF CERTAIN PRINCIPAL CROPS  
IN INDIA IN 1929-30 (\*).

| CROPS                                 | AREA          | PRODUCTION | YIELD PER ACRE |     |
|---------------------------------------|---------------|------------|----------------|-----|
|                                       |               |            | acres          | lb. |
| <b>I. — CEREALS:</b>                  |               |            |                |     |
| Wheat . . . . .                       | 32,198,000    | 23,854,000 | 741            |     |
| Barley . . . . .                      | 8,096,000     | 5,940,000  | 734            |     |
| Maize . . . . .                       | 8,640,000     | 7,257,000  | 839            |     |
| Millet (Cumbu or Bajra) . . . . .     | 20,415,000    | 7,114,000  | 348            |     |
| Rice . . . . .                        | 83,461,000    | 72,038,000 | 864            |     |
| Sorghum (Cholum or Jowar) . . . . .   | 39,774,000    | 17,521,000 | 441            |     |
| <b>LEGUMINOUS:</b>                    |               |            |                |     |
| Gram (Pulse) . . . . .                | 15,056,000    | 8,512,000  | 566            |     |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b> |               |            |                |     |
| <b>1) Sugar crops:</b>                |               |            |                |     |
| Sugar cane . . . . .                  | 2,610,000     | 6,462,000  | 2,453          |     |
| <b>2) Fibre crops:</b>                |               |            |                |     |
| Cotton . . . . .                      | 25,922,000    | 2,097,000  | 81             |     |
| Jute . . . . .                        | 3,415,000     | 4,134,000  | 1,211          |     |
| <b>3) Oilseed crops:</b>              |               |            |                |     |
| Linseed . . . . .                     | 3,086,000     | 930,000    | 301            |     |
| Groundnuts . . . . .                  | 6,326,000 (1) | 5,691,000  | 931            |     |
| Castorseed . . . . .                  | 1,292,000     | 262,000    | 205            |     |
| Rape and mustardseed . . . . .        | 6,171,000     | 2,575,000  | 417            |     |
| Sesame . . . . .                      | 6,175,000     | 1,168,000  | 189            |     |
| <b>4) Other industrial crops:</b>     |               |            |                |     |
| Tobacco . . . . .                     | 1,368,000     | 1,674,800  | 1,077          |     |
| Indigo . . . . .                      | 72,800 (2)    | 1,700      | 23             |     |
| <b>MISCELLANEOUS PLANTATIONS</b>      |               |            |                |     |
| Coffee . . . . .                      | 163,500       | 39,424     | 241            |     |
| Tea . . . . .                         | 788,000       | 432,842    | 549            |     |
| Rubber . . . . .                      | 170,800       | 28,023     | 164            |     |

(\* The figures in this statement do not agree with those shown in the statement relating to the agricultural statistics of India, as they take into account the area and production of crops grown in 'Other tracts', which are not comprised in the regular statistics.  
(1) Unshelled groundnuts. — (2) Dye.

6. — WOODS AND FORESTS AREA (\*) IN BRITISH INDIA IN 1929-30.

| CLASSIFICATION                       | AREA               |                         |
|--------------------------------------|--------------------|-------------------------|
|                                      | Absolute data      | Percentage of the total |
|                                      | acres              | %                       |
| Reserved forests . . . . .           | 68,705,920         | 43.1                    |
| Protected forests . . . . .          | 4,090,720          | 2.5                     |
| Unclassified state forests . . . . . | 86,721,920         | 54.4                    |
| <b>Total forests . . . . .</b>       | <b>159,498,560</b> | <b>100.0</b>            |
| Of which:                            |                    |                         |
| Woods cut every few years . . . . .  | 54,984,960         | 34.5                    |
| Other woods . . . . .                | 104,473,600        | 65.5                    |

(\*) Estimates of the Forest Department, which do not agree with those of Agricultural Statistics chiefly because: (1) the Forest Administration Reports and the returns of Agricultural Statistics relate in many cases to different periods; (2) the Administration reports relate exclusively to forests worked by the Forest Department, while the tables of Agricultural Statistics include, in addition, forest areas administered by District officers, Local Boards, Municipalities, etc. and (3) certain village and other lands not covered by forests but worked and returned as forests by the Forest Department are not treated as forests in returns of Agricultural Statistics but are included under the proper heads of cultivated or uncultivated lands as the case may be.

7. — FOREST PRODUCTION IN BRITISH INDIA.

| CLASSIFICATION   | PRODUCTION         |                         |
|--|--------------------|-------------------------|
|  | Absolute data      | Percentage of the total |
|  | cubic feet         | %                       |
| <b>A) WOOD (estimates for 1929-30):</b>  |                    |                         |
| Wood for fuel (including wood for charcoal) . . . . .  | 235,924,082        | 67.4                    |
| Wood for all other purposes . . . . .  | 114,143,007        | 32.6                    |
| <b>Total wood (1) . . . . .</b>  | <b>350,067,089</b> | <b>100.0</b>            |
| <b>B) OTHER PRODUCTS (estimates for 1928-29):</b>  |                    |                         |
| Resin and resinous products . . . . .  | 3,846              | —                       |
| Other products (excluding rubber and those used for human consumption and for tanning) (2) . . . . . | 3,035              | —                       |

(1) Not including the wood for the preparation of pulp. — (2) Chiefly lac.

8. — VALUE OF SOME FOREST PRODUCTS IN BRITISH INDIA IN 1928-29.

| CLASSIFICATION  | VALUE         |                         |
|---|---------------|-------------------------|
|   | Absolute data | Percentage of the total |
|   | sterlings     | %                       |
| Products to be used for tanning or for the manufacture of tannic extracts . . . . . | 9,250         | 9.6                     |
| Resin and resinous products . . . . .   | 47,025        | 48.9                    |
| Other products excluding rubber and those used for human consumption (1) . . . . .  | 39,850        | 41.5                    |
| <b>Total . . . . .</b>  | <b>96,125</b> | <b>100.0</b>            |

(1) Chiefly lac.

## 9. — IRRIGATION DURING 1929-30.

| KIND OF IRRIGATION                    | IRRIGATED AREA    |                         |                  |                         |                   |                         |
|---------------------------------------|-------------------|-------------------------|------------------|-------------------------|-------------------|-------------------------|
|                                       | BRITISH INDIA     |                         | INDIAN STATES    |                         | ALL INDIA         |                         |
|                                       | Absolute data     | Percentage of the total | Absolute data    | Percentage of the total | Absolute data     | Percentage of the total |
|                                       | acres             | %                       | acres            | %                       | acres             | %                       |
| Government canals . . . . .           | 23,072,865        | 45.2                    | 3,148,104        | 32.2                    | 26,220,969        | 43.2                    |
| Private canals . . . . .              | (1) 3,654,655     | 7.2                     | 968,071          | 9.9                     | 4,622,726         | 7.6                     |
| Tanks . . . . .                       | 6,298,155         | 12.3                    | 1,442,699        | 14.8                    | 7,740,854         | 12.7                    |
| Wells . . . . .                       | 12,702,146        | 24.9                    | 2,578,396        | 26.4                    | 15,280,542        | 25.1                    |
| Other sources . . . . .               | 5,282,285         | 10.4                    | 1,626,174        | 16.7                    | 6,908,459         | 11.4                    |
| <b>Total irrigated area . . . . .</b> | <b>51,010,126</b> | <b>100.0</b>            | <b>9,763,444</b> | <b>100.0</b>            | <b>60,773,570</b> | <b>100.0</b>            |

(1) Includes area irrigated by Government Canals and tanks in Central Provinces and Berar.

## 10. — CROPS IRRIGATED IN 1929-30 (\*).

| CROPS  | IRRIGATED AREA    |                         |                                  |                   |                         |                                  |                   |                         |                                  |
|--|-------------------|-------------------------|----------------------------------|-------------------|-------------------------|----------------------------------|-------------------|-------------------------|----------------------------------|
|  | BRITISH INDIA     |                         |                                  | INDIAN STATES     |                         |                                  | ALL INDIA         |                         |                                  |
|  | Absolute data     | Percentage of the total | Ratio of irrigated to total area | Absolute data     | Percentage of the total | Ratio of irrigated to total area | Absolute data     | Percentage of the total | Ratio of irrigated to total area |
|  | acres             | %                       | %                                | acres             | %                       | %                                | acres             | %                       | %                                |
| Wheat . . . . .                                | 10,651,943        | 19.4                    | 42.9                             | 1,722,674         | 16.7                    | 29.7                             | 12,374,617        | 19.0                    | 40.4                             |
| Barley . . . . .                               | 2,963,938         | 5.4                     | 42.0                             | 506,217           | 4.9                     | 45.5                             | 3,470,155         | 5.3                     | 42.5                             |
| Maize . . . . .                                | 1,250,472         | 2.3                     | 19.1                             | 339,345           | 3.3                     | 14.9                             | 1,589,817         | 2.4                     | 18.0                             |
| Millet (Cumbu or Bajra) . . . . .              | 1,515,055         | 2.7                     | 11.4                             | 212,621           | 2.1                     | 3.3                              | 1,727,676         | 2.6                     | 8.8                              |
| Rice . . . . .                                 | 18,792,600        | 34.2                    | 23.6                             | 1,946,362         | 18.9                    | 58.5                             | 20,738,962        | 31.0                    | 25.0                             |
| Sorghum (Cholum or Jowar) . . . . .            | 1,653,966         | 3.0                     | 7.1                              | 444,161           | 4.3                     | 3.0                              | 2,098,127         | 3.2                     | 5.5                              |
| Other food grains including pulses . . . . .   | 6,468,768         | 11.8                    | 14.1                             | 1,853,174         | 18.0                    | 13.3                             | 8,321,942         | 12.8                    | 13.9                             |
| Other crops for food . . . . .                 | 1,638,977         | 3.0                     | 16.1                             | 1,591,642         | 15.5                    | 18.3                             | 3,230,619         | 5.0                     | 16.7                             |
| Miscellaneous non-food crops . . . . .         | 5,090,348         | 9.3                     | 11.2                             | 1,148,632         | 11.2                    | 18.3                             | 6,238,980         | 9.6                     | 16.7                             |
| Sugar cane . . . . .                           | 1,691,465         | 3.1                     | 69.8                             | 118,537           | 1.2                     | 75.1                             | 1,809,992         | 2.8                     | 70.1                             |
| Cotton . . . . .                               | 3,206,049         | 5.8                     | 19.9                             | 396,835           | 3.9                     | 6.1                              | 3,602,884         | 5.5                     | 15.9                             |
| <b>Total area of crops irrigated . . . . .</b> | <b>54,923,581</b> | <b>100.0</b>            | <b>21.1</b>                      | <b>10,280,000</b> | <b>100.0</b>            | <b>14.7</b>                      | <b>65,203,581</b> | <b>100.0</b>            | <b>19.7</b>                      |

(\*) The excess of the total area of crops irrigated over the total area irrigated is due to the inclusion of irrigation of both harvest.  
(1) Not including 49,325 acres for which details are not available.

## 11. — NUMBER OF PLOUGHS AND CARTS IN 1930.

| DESCRIPTION      | BRITISH INDIA |           |            | INDIAN STATES |        |        | ALL INDIA |        |  |
|------------------|---------------|-----------|------------|---------------|--------|--------|-----------|--------|--|
|                  | number        | number    | number     | number        | number | number | number    | number |  |
| Plougs . . . . . | 25,527,658    | 5,827,659 | 31,355,317 |               |        |        |           |        |  |
| Carts . . . . .  | 6,818,673     | 1,620,976 | 8,439,649  |               |        |        |           |        |  |

## 12. — LIVESTOCK IN JANUARY 1930.

| CLASSIFICATION              | BRITISH INDIA      |                         | INDIAN STATES     |                         | ALL INDIA          |                         |
|-----------------------------|--------------------|-------------------------|-------------------|-------------------------|--------------------|-------------------------|
|                             | Absolute data      | Percentage of the total | Absolute data     | Percentage of the total | Absolute data      | Percentage of the total |
|                             | number             | %                       | number            | %                       | number             | %                       |
| <b>HORSES:</b>              |                    |                         |                   |                         |                    |                         |
| Colts and fillies . . . . . | 239,811            | 14.1                    | 112,440           | 17.2                    | 352,251            | 14.9                    |
| Horses . . . . .            | 754,679            | 44.4                    | 198,957           | 30.4                    | 953,636            | 40.5                    |
| Mares . . . . .             | 706,977            | 41.5                    | 342,839           | 52.4                    | 1,049,816          | 44.6                    |
| <b>Total . . . . .</b>      | <b>1,701,467</b>   | <b>100.0</b>            | <b>654,236</b>    | <b>100.0</b>            | <b>2,355,703</b>   | <b>100.0</b>            |
| <b>MULS:</b>                |                    |                         |                   |                         |                    |                         |
| Mules . . . . .             | 75,131             | —                       | 11,485            | —                       | 86,616             | —                       |
| Asses . . . . .             | 1,379,911          | —                       | 515,177           | —                       | 1,895,088          | —                       |
| <b>CAMELS:</b>              |                    |                         |                   |                         |                    |                         |
| Camels . . . . .            | 525,926            | —                       | 421,562           | —                       | 947,488            | —                       |
| <b>CATTLE:</b>              |                    |                         |                   |                         |                    |                         |
| Calves . . . . .            | 32,187,992         | 26.2                    | 9,625,806         | 26.2                    | 41,813,798         | 26.2                    |
| Cows . . . . .              | 38,785,462         | 31.5                    | 13,400,983        | 36.4                    | 52,186,445         | 32.6                    |
| Bulls . . . . .             | 4,640,096          | 3.8                     | 1,961,403         | 5.1                     | 6,601,500          | 4.1                     |
| Buffaloes . . . . .         | 47,570,969         | 38.5                    | 11,888,758        | 32.5                    | 59,459,727         | 37.1                    |
| <b>Total . . . . .</b>      | <b>122,984,521</b> | <b>100.0</b>            | <b>36,778,950</b> | <b>100.0</b>            | <b>159,763,471</b> | <b>100.0</b>            |
| <b>BUFFALOES:</b>           |                    |                         |                   |                         |                    |                         |
| Calves . . . . .            | 11,282,514         | 35.7                    | 3,756,143         | 36.4                    | 15,038,657         | 35.8                    |
| Cows . . . . .              | 14,784,537         | 46.7                    | 5,470,781         | 51.0                    | 20,255,318         | 48.3                    |
| Male buffaloes . . . . .    | 5,577,525          | 17.6                    | 1,098,452         | 18.6                    | 6,675,977          | 15.9                    |
| <b>Total . . . . .</b>      | <b>31,644,576</b>  | <b>100.0</b>            | <b>10,325,376</b> | <b>100.0</b>            | <b>41,969,952</b>  | <b>100.0</b>            |
| <b>SHEEP:</b>               |                    |                         |                   |                         |                    |                         |
| Sheep . . . . .             | 25,539,692         | —                       | 19,088,782        | —                       | 44,628,474         | —                       |
| <b>GOATS:</b>               |                    |                         |                   |                         |                    |                         |
| Goats . . . . .             | 35,943,049         | —                       | 12,943,504        | —                       | 48,886,553         | —                       |

## 13. — DISTRIBUTION OF AREA AND POPULATION ACCORDING TO THE LAND REVENUE ASSESSMENT. (1)

| DESCRIPTION  | BRITISH INDIA        |                         | INDIAN STATES (2)    |                         | ALL INDIA            |                         |
|--|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|
|  | Absolute data        | Percentage of the total | Absolute data        | Percentage of the total | Absolute data        | Percentage of the total |
|  | acres                | %                       | acres                | %                       | acres                | %                       |
| <b>AREA:</b>   |                      |                         |                      |                         |                      |                         |
| Fully assessed area . . . . .  | 339,865,765          | 50.9                    | 78,995,496           | 35.4                    | 418,861,261          | 51.7                    |
| of which cultivated . . . . .  | (3) 276,335,225      | 31.5                    | 47,470,089           | 33.7                    | 323,805,314          | 31.9                    |
| Not fully assessed area . . . . .  | 162,521,925          | 24.4                    | 38,442,886           | 27.0                    | 200,964,811          | 24.8                    |
| Area for which the figures required for this table are not available . . . . . | 164,729,191          | 24.7                    | 25,102,772           | 17.6                    | 189,831,963          | 23.5                    |
| <b>Total Area . . . . .</b>  | <b>667,116,881</b>   | <b>100.0</b>            | <b>101,621,154</b>   | <b>100.0</b>            | <b>768,738,035</b>   | <b>100.0</b>            |
| <b>POPULATION:</b>   |                      |                         |                      |                         |                      |                         |
| Population of fully assessed area . . . . .                                    | (4) 385,765,285      | 77.5                    | (7) 17,483,080       | 51.7                    | 403,248,365          | 74.2                    |
| <b>Total Population . . . . .</b>  | <b>494,885,245</b>   | <b>100.0</b>            | <b>33,847,669</b>    | <b>100.0</b>            | <b>528,732,914</b>   | <b>100.0</b>            |
| <b>LAND REVENUE:</b>   |                      |                         |                      |                         |                      |                         |
| Assessed on fully assessed area . . . . .                                      | (5) 19,37,917        | 89.5                    | 10,34,55,901         | 95.8                    | 29,724,418           | 90.8                    |
| <b>Total Revenue (including cesses) . . . . .</b>                              | <b>(5) 39,38,735</b> | <b>100.0</b>            | <b>(8) 10,65,372</b> | <b>100.0</b>            | <b>(5) 50,04,107</b> | <b>100.0</b>            |
| <b>INCIDENCE OF LAND REVENUE:</b>  |                      |                         |                      |                         |                      |                         |
| Incidence of land revenue assessment on fully assessed area:                   | R. a. p.             |                         | R. a. p.             |                         | R. a. p.             |                         |
| per acre of total assessed area . . . . .                                      | (5) 1-0-7            | —                       | 1-4-11               | —                       | 1-1-5                | —                       |
| per acre of cultivated assessed area . . . . .                                 | (3)(5) 1-10-9        | —                       | 2-2-10               | —                       | (10) 1-11-10         | —                       |
| per head of population of total assessed area . . . . .                        | (4)(5) 1-8-5         | —                       | (7) 3-4-1            | —                       | (10) 1-10-4          | —                       |
| Incidence of total revenue from land:  |                      |                         |                      |                         |                      |                         |
| per acre of total area (assessed and not assessed) . . . . .                   | (5) 0-9-5            | —                       | (8)(9) 0-9-8         | —                       | (10) 0-9-11          | —                       |
| per head of population of total area . . . . .                                 | (5) 1-9-9            | —                       | (8) 3-3-1            | —                       | (10) 1-12-10         | —                       |

(1) Detailed figures on the land revenue assessment according to tenants are available for a number of Provinces and States and are published in part B, Tables 30-55, but they are not so uniform to permit the calculation of totals for British Provinces and Indian States for the various items considered. — (2) Data covering 34 Indian States. — (3) Including incomplete data for Bengal and Assam and excluding data for Coorg. — (4) Including incomplete data for United Provinces, and excluding data for Punjab, Assam, North-West Frontier Provinces and Coorg. — (5) Including incomplete data for Burma. — (6) Including incomplete data for Hyderabad, Jaipur, Alwar, Jhalawar and Teri-Garhsal. — (7) Excluding data for Hyderabad, Indore, Bhopal and Jhalawar. — (8) Including incomplete data for Madras. — (9) Excluding data for Hyderabad, Jaipur, Alwar, Jhalawar and Teri-Garhsal. — (10) Incomplete.

*B* — DETAILS ACCORDING  
TO PROVINCES AND STATES

14. — BRITISH INDIA. — DISTRIBUTION OF TOTAL AREA ACCORDING TO TENURE.  
(ACRES)

| CLASSIFICATION                              | MADRAS (2)<br>1928-29         | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                               | United<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                              |
|---|-------------------------------|-----------------------------------|---|--------------------------------|--|
|   | Rajpootani . . . . .          | 62,518,786                        | 74,596,123                                      | —                              | —  |
| Zamindari temporarily settled (1) . . . . . | —                             | (3) 4,042,903                     | 11,329,339                                      | (3) 60,146,790                 | 60,173,789                                     |
| Zamindari permanently settled . . . . .     | (4) 29,015,431                | —                                 | 37,857,570                                      | 7,344,948                      | —  |
| Other classifications . . . . .             | —                             | —                                 | —   | —                              | —  |
| Total . . . . .                             | 91,534,217                    | 78,637,026                        | 49,186,909                                      | 67,533,738                     | 60,173,789                                     |
|   | BENGA<br>1929-30              | BENGA<br>AND<br>ODISSA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BENGA<br>1928-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCES<br>1929-30 |
| Rajpootani . . . . .                        | 155,849,480                   | —                                 | 11,195,795                                      | 29,598,152                     | —  |
| Zamindari temporarily settled (1) . . . . . | —                             | 11,325,283                        | (3) 40,514,931                                  | (3) 1,771,946                  | 8,437,411                                      |
| Zamindari permanently settled . . . . .     | —                             | 41,853,576                        | —   | 3,930,770                      | —  |
| Other classifications . . . . .             | —                             | —                                 | (5) 12,469,887                                  | —                              | —  |
| Total . . . . .                             | 155,849,480                   | 53,078,859                        | 64,180,613                                      | 35,299,970                     | 8,437,411                                      |
|   | ASSAM-<br>MISHWANA<br>1928-30 | MADHVA<br>PANGANA<br>1929-30      | COCHIN<br>1927-28                               | DELHI<br>1929-30               | TOTAL  |
| Rajpootani . . . . .                        | —                             | 31,353                            | 1,012,260                                       | —                              | 354,799,949                                    |
| Zamindari temporarily settled (1) . . . . . | (3) 797,226                   | —                                 | —   | 370,335                        | 196,831,055                                    |
| Zamindari permanently settled . . . . .     | 973,695                       | —                                 | —   | —                              | 121,015,990                                    |
| Other classifications . . . . .             | —                             | —                                 | —   | —                              | 12,469,887                                     |
| Total . . . . .                             | 1,770,921                     | 31,353                            | 1,012,260                                       | 370,335                        | 667,116,881                                    |

(1) Including village communities for the data marked with note 31. — (2) Excluding an extent of 150,093 acres being the area of the Muzrai district. — (3) Including village communities. — (4) Including 5,484,213 acres of the Jann village (entire rent-free ground). — (5) Government Forests.

15. — INDIAN STATES. — DISTRIBUTION OF TOTAL AREA ACCORDING TO TENURE IN 1929-30.  
(ACRES)

| CLASSIFICATION                        | HYDERABAD          | MYSORE         | GWALIOR       | KARNATA           | PUNJAB         |
|---------------------------------------|--------------------|----------------|---------------|-------------------|----------------|
| Rajswari . . . . .                    | (1) 32,807,431     | (2) 18,894,526 | —             | —                 | (2)(3) 754,291 |
| Zamindari . . . . .                   | —                  | —              | 12,776,479    | —                 | —              |
| No specified classification . . . . . | —                  | —              | —             | 7,042,941         | —              |
|                                       | BANGALORE<br>PALLE | SANDUR         | COCHIN        | INDORE            | BHOVAL         |
| Rajswari . . . . .                    | —                  | (2) 101,395    | —             | —                 | —              |
| Zamindari . . . . .                   | —                  | —              | —             | —                 | —              |
| No specified classification . . . . . | (2) 163,904        | —              | 642,119       | (2) 6,093,738     | (2) 4,656,917  |
|                                       | RAJGARH            | NARINDGARH     | BARWANI       | NAGOD             | ORISSA         |
| Rajswari . . . . .                    | 613,805            | 468,351        | 410,280       | —                 | 1,331,200      |
| Zamindari . . . . .                   | —                  | —              | —             | 320,903           | —              |
| No specified classification . . . . . | —                  | —              | —             | —                 | —              |
|                                       | BIKANER            | MARWAR         | JAIPUR        | ALWAR             | BIHARAPUR      |
| Rajswari . . . . .                    | —                  | —              | —             | —                 | —              |
| Zamindari . . . . .                   | —                  | —              | —             | 5,611,698,230     | —              |
| No specified classification . . . . . | (2) 15,387,065     | (2) 22,410,240 | (4) 3,089,469 | —                 | 1,268,390      |
|                                       | JHALANAR           | TONE           | KOTAH         | BUNDI             | DHOOLPUR       |
| Rajswari . . . . .                    | —                  | 1,278,755      | 2,859,208     | 881,847           | —              |
| Zamindari . . . . .                   | —                  | —              | —             | —                 | —              |
| No specified classification . . . . . | (5) 408,942        | —              | —             | —                 | 739,735        |
|                                       | BLASPUR            | JATH           | PHALTAN       | AGNHI             | SACHIN         |
| Rajswari . . . . .                    | 289,666            | —              | 254,043       | (2) 320,967       | 28,651         |
| Zamindari . . . . .                   | —                  | 627,285        | —             | —                 | —              |
| No specified classification . . . . . | —                  | —              | —             | —                 | —              |
|                                       | DHARAMPUR          | BOVARIS        | RAMPUR        | TEERI-<br>GARHWAL | TOTAL          |
| Rajswari . . . . .                    | —                  | —              | (2) 571,226   | —                 | 61,294,306     |
| Zamindari . . . . .                   | —                  | —              | —             | —                 | 15,045,933     |
| No specified classification . . . . . | 362,792            | 378,545        | —             | (4) 2,587,778     | 66,296,743     |

(1) Excluding whole from villages and the non-Government area of the State. — (2) Represents total area by professional survey. — (3) Including whole from villages. — (4) Relates only to Khalsa area as statistics are not available for the whole area of the State. — (5) Excluding entire villages held by Jagirdars and Udaldars. — (6) Including village communities.

 16. — BRITISH INDIA. — LAND UTILIZATION OF TOTAL AREA IN 1929-30.  
(ACRES)

| CLASSIFICATION   | MADRAS             | BOMBAY                 | BENGAL                               | UNITED<br>PROVINCES | PUNJAB                             |
|--|--------------------|------------------------|--------------------------------------|---------------------|------------------------------------|
| Area under crops and fruits (I) . . . . .                      | 34,372,419         | 32,923,997             | 23,370,100                           | 34,345,562          | 26,636,909                         |
| Current fallows . . . . .                                      | 10,151,551         | 10,311,798             | 5,386,505                            | 3,577,924           | 3,915,224                          |
| <i>Total cultivated area . . . . .</i>                         | <i>44,523,970</i>  | <i>43,235,795</i>      | <i>28,756,605</i>                    | <i>37,923,486</i>   | <i>30,552,133</i>                  |
| Culturable waste . . . . .                                     | 13,838,926         | 6,713,492              | 6,017,768                            | 10,831,711          | 14,923,626                         |
| Not available for cultivation . . . . .                        | 19,480,172         | 19,723,055             | 9,841,061                            | 9,968,891           | 12,651,895                         |
| <i>Total uncultivated area . . . . .</i>                       | <i>33,319,098</i>  | <i>26,436,547</i>      | <i>15,858,829</i>                    | <i>20,800,602</i>   | <i>27,577,721</i>                  |
| Forests . . . . .  | 13,172,065         | 9,224,223              | 4,571,475                            | 9,263,776           | 2,643,935                          |
| <i>Total area covered by agricultural statistics . . . . .</i> | <i>91,015,133</i>  | <i>78,896,563</i>      | <i>49,136,909</i>                    | <i>67,989,864</i>   | <i>60,173,780</i>                  |
|  | BIHAR              | BIHAR<br>AND<br>GUJARA | CENTRAL<br>PROVINCES<br>AND<br>BIHAR | ASSAM               | NORTH-WEST<br>FRONTIER<br>PROVINCE |
| Area under crops and fruits (I) . . . . .                      | 17,774,859         | 24,958,600             | 25,014,810                           | 5,578,036           | 2,523,552                          |
| Current fallows . . . . .                                      | 3,932,203          | 5,837,348              | 3,599,814                            | 2,244,032           | 381,641                            |
| <i>Total cultivated area . . . . .</i>                         | <i>21,707,122</i>  | <i>30,795,948</i>      | <i>28,614,624</i>                    | <i>7,822,068</i>    | <i>2,905,193</i>                   |
| Culturable waste . . . . .                                     | 59,830,600         | 6,920,173              | 14,264,392                           | 19,070,285          | 2,689,952                          |
| Not available for cultivation . . . . .                        | 53,754,160         | 8,073,268              | 4,918,640                            | 4,571,030           | 2,611,867                          |
| <i>Total uncultivated area . . . . .</i>                       | <i>113,584,760</i> | <i>14,993,441</i>      | <i>19,183,032</i>                    | <i>23,641,315</i>   | <i>5,301,799</i>                   |
| Forests . . . . .  | 20,557,598         | 7,303,710              | 16,389,937                           | 3,836,587           | 358,325                            |
| <i>Total area covered by agricultural statistics . . . . .</i> | <i>155,849,480</i> | <i>53,173,099</i>      | <i>64,180,613</i>                    | <i>35,299,970</i>   | <i>8,565,317</i>                   |
|  | AGRA-<br>MERWARA   | MANER<br>PARGANA       | COORG                                | DELHI               | TOTAL                              |
| Area under crops and fruits (I) . . . . .                      | 310,545            | 7,127                  | 137,988                              | 186,329             | 228,160,853                        |
| Current fallows . . . . .                                      | 170,419            | 365                    | 171,352                              | 42,645              | 49,713,921                         |
| <i>Total cultivated area . . . . .</i>                         | <i>500,964</i>     | <i>7,492</i>           | <i>309,340</i>                       | <i>228,974</i>      | <i>277,874,774</i>                 |
| Culturable waste . . . . .                                     | 306,532            | 3,957                  | 11,690                               | 66,185              | 155,491,449                        |
| Not available for cultivation . . . . .                        | 856,623            | 949                    | 334,045                              | 75,156              | 146,872,810                        |
| <i>Total uncultivated area . . . . .</i>                       | <i>1,173,155</i>   | <i>4,886</i>           | <i>345,735</i>                       | <i>141,341</i>      | <i>302,364,259</i>                 |
| Forests . . . . .  | 96,782             | 18,975                 | 357,163                              | —                   | 87,276,573                         |
| <i>Total area covered by agricultural statistics . . . . .</i> | <i>1,770,921</i>   | <i>31,353</i>          | <i>1,012,268</i>                     | <i>370,335</i>      | <i>467,515,606</i>                 |

(1) Deducting area sown more than once.

## 17. — INDIAN STATES. — LAND UTILIZATION OF TOTAL AREA IN 1929-30.

(ACRES)

| CLASSIFICATION   | HYDERABAD     | MYSORE               | BARODA                  | GWALIOR              | KASHMIR   |
|--|---------------|----------------------|-------------------------|----------------------|-----------|
| Area under crops and fruits (1) . . . . .                      | 28,253,068    | 6,635,197            | 5,173,727               | 4,261,766            | 1,785,238 |
| Current fallows . . . . .                                      | 1,973,128     | 1,513,701            | —                       | 426,088              | 383,635   |
| <i>Total cultivated area</i> . . . . .                         | 30,226,196    | 8,148,898            | 5,173,727               | 4,687,854            | 2,168,873 |
| Culturable waste . . . . .                                     | 1,487,842     | 636,315              | 748,089                 | 3,155,155            | 922,755   |
| Not available for cultivation . . . . .                        | 4,397,299     | 6,939,801            | 1,053,671               | 3,205,867            | 2,139,755 |
| <i>Total uncultivated area</i> . . . . .                       | 5,885,141     | 7,575,616            | 1,801,760               | 6,360,222            | 3,062,510 |
| Forests . . . . .  | 5,821,639     | 1,843,408            | 422,532                 | 1,728,403            | 1,811,558 |
| <i>Total area covered by agricultural statistics</i> . . . . . | 41,947,976    | 17,567,622           | 5,398,019               | 12,776,479           | 7,042,941 |
|  | MADRAS STATES | CENTRAL INDIA STATES | RAJPUTANA STATES        | PUNJAB AGENCY STATES |           |
| Area under crop and fruits (1) . . . . .                       | 3,006,528     | 4,496,979            | 6,559,689               | 5,330,315            |           |
| Current fallows . . . . .                                      | 359,254       | 2,188,043            | 3,435,399               | 1,715,488            |           |
| <i>Total cultivated area</i> . . . . .                         | 3,365,782     | 6,685,022            | 9,995,088               | 7,045,803            |           |
| Culturable waste . . . . .                                     | 776,900       | 1,504,525            | 4,500,661               | 2,402,074            |           |
| Not available for cultivation . . . . .                        | 646,022       | 1,294,515            | 3,364,500               | 1,739,324            |           |
| <i>Total uncultivated area</i> . . . . .                       | 1,422,922     | 2,799,040            | 7,865,161               | 4,141,398            |           |
| Forests . . . . .  | 436,933       | 1,834,845            | 890,390                 | 357,849              |           |
| <i>Total area covered by agricultural statistics</i> . . . . . | 5,225,717     | 11,318,908           | 18,790,639              | 11,554,050           |           |
|  | PUNJAB STATES | BOMBAY STATES        | UNITED PROVINCES STATES | TOTAL                |           |
| Area under crop and fruits (1) . . . . .                       | 370,823       | 1,778,384            | 876,140                 | 66,536,854           |           |
| Current fallows . . . . .                                      | 66,805        | 272,561              | 387,865                 | 12,641,967           |           |
| <i>Total cultivated area</i> . . . . .                         | 437,628       | 2,050,945            | 1,264,005               | 79,178,821           |           |
| Culturable waste . . . . .                                     | 383,267       | 551,286              | 364,909                 | 17,443,878           |           |
| Not available for cultivation . . . . .                        | 77,867        | 164,401              | 623,422                 | 25,644,344           |           |
| <i>Total uncultivated area</i> . . . . .                       | 461,134       | 715,687              | 987,331                 | 43,088,222           |           |
| Forests . . . . .  | 228,886       | 151,787              | 1,366,679               | 16,894,919           |           |
| <i>Total area covered by agricultural statistics</i> . . . . . | 1,127,668     | 2,918,419            | 3,539,015               | 139,162,453          |           |

(1) Deducing area sown more than once.

## 18. — BRITISH INDIA. — UTILIZATION OF CULTIVATED AREA IN 1929-30.

(ACRES)

| DESCRIPTION   | MADRAS      | BOMBAY     | BENGAL     | UNITED PROVINCES | PUNJAB     |
|---|-------------|------------|------------|------------------|------------|
| <b>CEREALS</b>  |             |            |            |                  |            |
| Wheat . . . . .   | 21,522      | 2,850,316  | 126,200    | (1) 7,324,248    | 9,951,284  |
| Bulwer . . . . .  | 2,784       | 42,297     | 83,900     | (1) 4,353,136    | 921,316    |
| Maize . . . . .   | 117,257     | 198,792    | 94,400     | 2,335,682        | 1,142,459  |
| Millet (Ragi or Marua) . . . . .                            | 2,269,649   | 677,475    | 7,700      | 295,759          | 30,606     |
| Millet (Cumbu or Bajra) . . . . .                           | 2,888,517   | 4,376,438  | 2,100      | (1) 2,127,632    | 3,364,533  |
| Rice . . . . .  | 11,262,067  | 3,171,292  | 20,226,609 | 6,933,701        | 978,839    |
| Sorghum (Chelon or Jowar) . . . . .                         | 5,174,030   | 9,387,316  | 3,700      | (1) 2,466,771    | 1,107,608  |
| <i>Total specified cereals</i> . . . . .                    | 21,735,696  | 19,903,926 | 20,562,609 | 25,843,129       | 17,492,636 |
| Other cereals and pulses:                                   |             |            |            |                  |            |
| Other food grains including pulses . . . . .                | 7,139,373   | 2,797,188  | 985,100    | (1) 6,719,204    | 1,363,300  |
| Gram (Pulses) . . . . .                                     | (2) 75,242  | 726,647    | 153,600    | (1) 4,207,504    | 3,151,331  |
| <i>Total other cereals and pulses</i> . . . . .             | 7,214,615   | 3,523,835  | 1,138,700  | 10,926,708       | 4,514,631  |
| <i>Total cereals and pulses</i> . . . . .                   | 28,950,311  | 23,427,761 | 21,701,309 | 36,769,837       | 22,007,267 |
| CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FORAGE | 417,334     | 2,420,305  | 95,700     | 1,166,321        | 4,499,457  |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                        |             |            |            |                  |            |
| 1) Sugar crops:   |             |            |            |                  |            |
| Sugar cane . . . . .  | 98,197      | 66,278     | 197,600    | 1,348,928        | 306,696    |
| Other sugar crops . . . . .                                 | 84,936      | 1,389      | 52,200     | —                | —          |
| 2) Fibre crops:   |             |            |            |                  |            |
| Cotton . . . . .  | 2,476,683   | 4,804,077  | 58,800     | 916,548          | 2,208,531  |
| Jute . . . . .  | —           | —          | 2,913,700  | 2,118            | —          |
| Other fibre crops . . . . .                                 | 163,288     | 92,910     | 63,600     | 185,536          | 43,938     |
| 3) Oilseed crops:   |             |            |            |                  |            |
| Linseed . . . . .   | 4,598       | 130,514    | 114,400    | (4) 229,034      | 27,759     |
| Groundnuts . . . . .  | 3,209,315   | 1,067,258  | 509        | 23,922           | —          |
| Castor . . . . .  | 256,225     | 66,508     | 100        | 6,748            | 27         |
| Rape and mustard seed . . . . .                             | 12,369      | 345,794    | 704,700    | (4) 220,323      | 1,073,636  |
| Sesame . . . . .  | 772,514     | 241,376    | 157,000    | (4) 292,072      | 122,193    |
| Other oilseed crops . . . . .                               | 156,745     | 307,528    | 36,300     | 63,384           | 11,571     |
| 4) Drugs and narcotics:                                     |             |            |            |                  |            |
| Indian hemp . . . . .                                       | 264         | 60         | 600        | 3                | 5          |
| Poppyseed (Opium) . . . . .                                 | 55          | —          | —          | 39,489           | 1,841      |
| Other drugs and narcotics . . . . .                         | 136,210     | 28,205     | 600        | 1,312            | 752        |
| 5) Other industrial crops:                                  |             |            |            |                  |            |
| Tobacco . . . . .   | 256,703     | 161,177    | 295,409    | 102,273          | 58,599     |
| Indigo . . . . .  | 52,761      | 182        | —          | 4,678            | 6,622      |
| Other crops for dyeing and tanning . . . . .                | 9,933       | 597,958    | —          | 864              | 11,448     |
| <i>Total crops for industrial purposes</i> . . . . .        | 7,690,056   | 7,911,714  | 6,395,709  | 3,437,162        | 3,873,818  |
| <b>OTHER CROPS</b>  |             |            |            |                  |            |
| Fruits and vegetables including root crops . . . . .        | 701,027     | 239,233    | 701,400    | 636,387          | 372,852    |
| Condiments and spices . . . . .                             | 584,177     | 184,014    | 130,900    | 114,961          | 40,309     |
| Miscellaneous food crops . . . . .                          | 40,924      | 2,702      | 314,100    | 126,882          | 144,683    |
| Miscellaneous non-food crops . . . . .                      | (3) 181,815 | 10,576     | 102,700    | 7,690            | 6,574      |
| <i>Total other crops</i> . . . . .                          | 1,507,943   | 436,525    | 1,249,100  | 879,920          | 564,218    |
| <b>NUTS AND MISCELLANEOUS PLANTATIONS</b>                   |             |            |            |                  |            |
| Cocoanuts . . . . .   | 576,083     | 26,645     | 12,500     | —                | —          |
| Coffee . . . . .  | 50,056      | 7          | —          | —                | —          |
| Tea . . . . .   | 65,565      | 30         | 191,200    | 6,161            | 9,497      |
| Cinchona . . . . .  | 2,313       | —          | 3,000      | —                | —          |
| <i>Total nuts and plantations</i> . . . . .                 | 694,017     | 26,682     | 210,500    | 6,161            | 9,497      |
| <i>Total acreage under crops and fruits</i> . . . . .       | 39,259,571  | 34,222,987 | 27,832,509 | 42,279,801       | 30,994,237 |
| Deduct area sown more than once . . . . .                   | 4,887,152   | 1,288,990  | 4,462,400  | 7,933,839        | 4,317,328  |
| <i>Net area under crops and fruits</i> . . . . .            | 34,372,419  | 32,933,997 | 23,370,109 | 34,345,962       | 26,676,909 |
| FALLOW LAND . . . . .                                       | 10,151,551  | 10,311,798 | 5,386,505  | 3,577,924        | 3,915,224  |
| <i>Total cultivated area</i> . . . . .                      | 44,523,970  | 43,245,795 | 28,756,614 | 37,923,886       | 30,592,133 |

(1) Including a part of mixed oilseed. — (2) Bengal gram. — (3) Including 11,100 acres under mulberry. — (4) Represents area under oil seeds grown unmixcd with other crops, the area under mixed oilseeds (that is, grown as companion crops) being included under foodgrains; see footnote (1).

## 18. — BRITISH INDIA. — UTILIZATION OF CULTIVATED AREA IN 1929-30 (continued).

(ACRES)

| DESCRIPTION  | BURMA      | BIHAR AND ORISSA | CENTRAL PROVINCES AND BENGAL | ASAM      | NORTH-WEST FRONTIER PROVINCE |
|--|------------|------------------|------------------------------|-----------|------------------------------|
| <b>CEREALS</b>   |            |                  |                              |           |                              |
| Wheat . . . . .  | 31,418     | 1,200,000        | 2,983,325                    | —         | 1,056,790                    |
| Barley . . . . .   | —          | 1,350,000        | 15,865                       | —         | 220,948                      |
| Mais . . . . .   | 222,036    | 1,719,400        | 154,067                      | —         | 481,864                      |
| Millet (Ragi or Marua) . . . . .                                   | —          | 781,500          | 11,595                       | —         | —                            |
| Millet (Cumbu or Bajra) . . . . .                                  | —          | 75,100           | 187,526                      | —         | 245,195                      |
| Rice . . . . .   | 12,866,896 | 14,228,900       | 5,480,040                    | 4,229,698 | 53,789                       |
| Sorghum (Chickoo or Jawar) . . . . .                               | 499,640    | 83,300           | 4,292,941                    | —         | 121,341                      |
| Total specified cereals . . . . .                                  | 13,620,293 | 19,436,200       | 13,045,189                   | 4,229,698 | 2,159,127                    |
| Other cereals and pulses:  |            |                  |                              |           |                              |
| Other food grains including pulses . . . . .                       | 659,433    | 5,027,800        | 5,298,152                    | 194,692   | 89,700                       |
| Gram (Pulse) . . . . .   | 294,420    | 1,466,600        | 1,213,835                    | (5)       | 228,861                      |
| Total other cereals and pulses . . . . .                           | 263,853    | 6,494,400        | 6,512,987                    | 194,692   | 318,561                      |
| Total cereals and pulses . . . . .                                 | 14,303,646 | 25,930,600       | 19,557,146                   | 4,424,390 | 2,477,688                    |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FORAGE</b> | 173,205    | 37,800           | 415,208                      | —         | 106,676                      |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                               |            |                  |                              |           |                              |
| 1) Sugar crops:  |            |                  |                              |           |                              |
| Sugar cane . . . . .   | 21,251     | 278,800          | 22,206                       | 29,502    | 50,740                       |
| Other sugar crops . . . . .  | 21,189     | 200              | —                            | —         | —                            |
| 2) Fibre crops:  |            |                  |                              |           |                              |
| Cotton . . . . .   | 334,977    | 49,900           | 5,175,293                    | 41,189    | 17,205                       |
| Jute . . . . .   | —          | 195,700          | —                            | 156,510   | —                            |
| Other fibre crops . . . . .  | 1,408      | 26,800           | 86,810                       | —         | 836                          |
| 3) Oilseed crops:  |            |                  |                              |           |                              |
| Linseed . . . . .  | 17         | 654,500          | 753,849                      | 11,513    | 48                           |
| Groundnuts . . . . .   | 570,610    | 1,200            | 139,088                      | —         | —                            |
| Castor beans . . . . .   | —          | 54,800           | 46,705                       | 4,931     | —                            |
| Rape and mustard seed . . . . .                                    | 4,285      | 665,000          | 60,380                       | 331,943   | 132,534                      |
| Sesame . . . . .   | 1,245,026  | 187,700          | 495,864                      | 22,528    | 4,225                        |
| Other oilseed crops . . . . .                                      | 2,539      | 291,300          | 310,357                      | —         | 6,474                        |
| 4) Drugs and narcotics:  |            |                  |                              |           |                              |
| Indian hemp . . . . .  | —          | —                | 88                           | —         | —                            |
| Poppyseed (Opium) . . . . .  | —          | —                | —                            | —         | —                            |
| Other drugs and narcotics . . . . .                                | 66,875     | —                | 718                          | —         | 19                           |
| 5) Other industrial crops:   |            |                  |                              |           |                              |
| Tobacco . . . . .  | 121,550    | 142,300          | 12,885                       | 10,484    | 10,325                       |
| Indigo . . . . .   | 436        | 5,900            | —                            | —         | 29                           |
| Other crops for dyeing and tanning . . . . .                       | —          | 500              | 54                           | —         | —                            |
| Total crops for industrial purposes . . . . .                      | 2,395,163  | 2,574,600        | 7,104,377                    | 698,600   | 222,437                      |
| <b>OTHER CROPS</b>   |            |                  |                              |           |                              |
| Fruits and vegetables including root crops . . . . .               | 1,125,810  | 668,500          | 118,698                      | 528,307   | 19,849                       |
| Condiments and spices . . . . .                                    | 84,074     | 61,000           | 96,303                       | —         | 1,990                        |
| Miscellaneous food crops . . . . .                                 | 23,738     | 750,100          | 4,039                        | (6)       | 51,256                       |
| Miscellaneous non-food crops . . . . .                             | 248,693    | 335,200          | 731                          | 144,353   | 3,383                        |
| Total other crops . . . . .  | 1,482,315  | 1,812,800        | 219,771                      | 672,660   | 76,465                       |
| <b>NUTS AND MISCELLANEOUS PLANTATIONS</b>                          |            |                  |                              |           |                              |
| Coconuts . . . . .   | 10,583     | 28,500           | —                            | —         | —                            |
| Coffee . . . . .   | 21         | —                | —                            | —         | —                            |
| Tea . . . . .  | 55,650     | 3,600            | —                            | 429,709   | —                            |
| Cinchona . . . . .   | 559        | —                | 815                          | —         | —                            |
| Total nuts and plantations . . . . .                               | 66,813     | 32,100           | 815                          | 429,709   | —                            |
| Total acreage under crops and fruits . . . . .                     | 18,620,944 | 30,387,900       | 27,297,317                   | 6,135,359 | 2,685,264                    |
| Deduct area sown more than once . . . . .                          | 846,005    | 5,429,300        | 2,382,507                    | 557,323   | 361,714                      |
| Net area under crops and fruits . . . . .                          | 17,774,939 | 24,958,600       | 25,014,810                   | 5,578,036 | 2,323,550                    |
| <b>FALLOW LAND</b>   | 3,932,265  | 5,837,348        | 3,598,834                    | 2,244,032 | 381,641                      |
| Total cultivated area . . . . .                                    | 21,707,122 | 30,795,948       | 28,605,644                   | 7,822,068 | 2,905,191                    |

(5) Included under 'other food grains including pulses'. — (6) Included under 'miscellaneous non-food crops'.

## 18. — BRITISH INDIA. — UTILIZATION OF CULTIVATED AREA IN 1929-30 (concluded).

(ACRES)

| DESCRIPTION  | AGRA-MERWARA | MADHIA PRADESH | COORG      | DELHI      | TOTAL       |
|--|--------------|----------------|------------|------------|-------------|
| <b>CEREALS</b>   |              |                |            |            |             |
| Wheat . . . . .  | 29,256       | 1,525          | —          | 33,533     | 24,859,419  |
| Barley . . . . .   | 54,294       | 1              | —          | 14,203     | 7,058,794   |
| Mais . . . . .   | 87,746       | 990            | —          | 3,164      | 6,557,237   |
| Millet (Ragi or Marua) . . . . .                                   | 178          | —              | 3,370      | 27         | 4,081,859   |
| Millet (Cumbu or Bajra) . . . . .                                  | 34,151       | 13             | —          | 72,437     | 13,291,242  |
| Rice . . . . .   | 893          | 111            | 83,867     | 37         | 79,509,851  |
| Sorghum (Chickoo or Jawar) . . . . .                               | 70,093       | 2,011          | —          | 90,274     | 23,240,828  |
| Total specified cereals . . . . .                                  | 276,523      | 4,651          | 86,457     | 153,675    | 158,549,180 |
| Other cereals and pulses:  |              |                |            |            |             |
| Other food grains including pulses . . . . .                       | 62,026       | 153            | (7) 1,941  | (8) 5,522  | 30,342,684  |
| Gram (Pulse) . . . . .   | 24,369       | 1,197          | —          | 4,625      | 11,458,536  |
| Total other cereals and pulses . . . . .                           | 86,395       | 1,350          | 1,941      | 10,147     | 41,801,270  |
| Total cereals and pulses . . . . .                                 | 362,918      | 6,001          | 87,408     | 163,822    | 200,350,450 |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FORAGE</b> | 1,533        | 2              | —          | 25,260     | 9,380,781   |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                               |              |                |            |            |             |
| 1) Sugar crops:  |              |                |            |            |             |
| Sugar cane . . . . .   | 383          | 6              | 26         | 2,588      | 2,423,191   |
| Other sugar crops . . . . .  | 106          | —              | —          | —          | 159,390     |
| 2) Fibre crops:  |              |                |            |            |             |
| Cotton . . . . .   | 34,008       | 1,075          | —          | 2,363      | 16,141,029  |
| Jute . . . . .   | 256          | 33             | 460        | (9) 320    | 3,268,028   |
| Other fibre crops . . . . .  | —            | —              | —          | —          | 666,395     |
| 3) Oilseed crops:  |              |                |            |            |             |
| Linseed . . . . .  | 115          | 98             | —          | —          | 1,026,445   |
| Groundnuts . . . . .   | —            | —              | —          | —          | 5,012,393   |
| Castor beans . . . . .   | —            | —              | —          | —          | 436,044     |
| Rape and mustard seed . . . . .                                    | 391          | 111            | 4          | 5,246      | 3,556,628   |
| Sesame . . . . .   | 14,989       | 73             | 81         | 10         | 3,555,651   |
| Other oilseed crops . . . . .                                      | 147          | —              | 1          | 210        | 1,190,506   |
| 4) Drugs and narcotics:  |              |                |            |            |             |
| Indian hemp . . . . .  | 3            | —              | —          | —          | 1,023       |
| Poppyseed (Opium) . . . . .  | —            | —              | —          | —          | 41,385      |
| Other drugs and narcotics . . . . .                                | —            | —              | 299        | —          | 235,990     |
| 5) Other industrial crops:   |              |                |            |            |             |
| Tobacco . . . . .  | 49           | —              | 10         | 1,312      | 1,173,267   |
| Indigo . . . . .   | —            | —              | —          | —          | 20,808      |
| Other crops for dyeing and tanning . . . . .                       | —            | —              | —          | 1          | 620,738     |
| Total crops for industrial purposes . . . . .                      | 50,357       | 1,396          | 481        | 12,459     | 40,478,711  |
| <b>OTHER CROPS</b>   |              |                |            |            |             |
| Fruits and vegetables including root crops . . . . .               | 2,280        | —              | (10) 5,659 | (11) 6,813 | 5,118,806   |
| Condiments and spices . . . . .                                    | 5,306        | —              | (12) 5,505 | 1,407      | 1,307,936   |
| Miscellaneous food crops . . . . .                                 | 20,252       | —              | —          | 241        | 1,478,919   |
| Miscellaneous non-food crops . . . . .                             | 6,043        | 12             | —          | 537        | 1,048,113   |
| Total other crops . . . . .  | 33,881       | 12             | 9,164      | 9,000      | 8,953,774   |
| <b>NUTS AND MISCELLANEOUS PLANTATIONS</b>                          |              |                |            |            |             |
| Coconuts . . . . .   | —            | —              | —          | —          | 654,111     |
| Coffee . . . . .   | —            | —              | 40,765     | —          | 90,851      |
| Tea . . . . .  | —            | —              | 415        | —          | 265,827     |
| Cinchona . . . . .   | —            | —              | —          | —          | 6,487       |
| Total nuts and plantations . . . . .                               | —            | —              | 41,180     | —          | 1,517,276   |
| Total acreage under crops and fruits . . . . .                     | 446,689      | 7,411          | 138,629    | 210,532    | 260,680,942 |
| Deduct area sown more than once . . . . .                          | 118,124      | 264            | 848        | 24,203     | 32,520,089  |
| Net area under crops and fruits . . . . .                          | 330,565      | 7,147          | 137,781    | 186,329    | 228,160,853 |
| <b>FALLOW LAND</b>   | 170,419      | 365            | 171,352    | 42,665     | 49,713,921  |
| Total cultivated area . . . . .                                    | 500,984      | 7,492          | 309,340    | 228,994    | 277,874,774 |

(7) Including 963 acres under hemp, — (8) Including 3,072 acres under peas, — (9) Hemp for fibre, — (10) Including 4,571 acres under coconuts, 894 acres under bananas, 148 acres under beans and 46 acres under vegetables, — (11) Including 536 acres under tobacco and root crops for food or fodder, — (12) Including 1,015 acres under black pepper, 133 acres under coriander, 65 acres under chillies, 2,291 acres under cardamoms and 1 acre under fenugreek.

## 19. — INDIAN STATES. — UTILIZATION OF CULTIVATED AREA IN 1929-30.

| DESCRIPTION   | (ACRES)           |                  |                  |                  |                  |
|---|-------------------|------------------|------------------|------------------|------------------|
|   | HYDERABAD         | MISORE           | BANODA           | GWALIOR          | KASHMIR          |
| <b>CEREALS</b>  |                   |                  |                  |                  |                  |
| Wheat . . . . .   | 1,063,211         | 3,826            | 72,617           | 738,242          | 499,552          |
| Barley . . . . .  | 48,135            | —                | —                | 63,484           | 78,246           |
| Maize . . . . .   | 880,283           | 206              | —                | 153,386          | 555,819          |
| Millet (Ragi or Marua) . . . . .                            | 554,109           | 2,258,854        | —                | —                | 4,884            |
| Millet (Gumbu or Bajra) . . . . .                           | 2,113,352         | 50,714           | 628,433          | 276,509          | 108,346          |
| Rice . . . . .  | 489,957           | 726,825          | 206,845          | 30,549           | 422,966          |
| Sorghum (Cholam or Jowar) . . . . .                         | 8,823,894         | 759,700          | 560,085          | 1,307,173        | 31,092           |
| <i>Total specified cereals . . . . .</i>                    | <i>13,972,932</i> | <i>3,794,125</i> | <i>1,467,980</i> | <i>2,569,347</i> | <i>1,682,636</i> |
| Other cereals and pulses:                                   |                   |                  |                  |                  |                  |
| Other food grains including pulses . . . . .                | 3,422,762         | 752,456          | 498,716          | 406,373          | 228,424          |
| Gram (Pulse) . . . . .                                      | 1,105,687         | 820,213          | 15,747           | 463,939          | 11,958           |
| <i>Total other cereals and pulses . . . . .</i>             | <i>4,528,449</i>  | <i>1,572,669</i> | <i>514,463</i>   | <i>870,312</i>   | <i>240,382</i>   |
| <i>Total cereals and pulses . . . . .</i>                   | <i>18,501,381</i> | <i>5,366,794</i> | <i>1,982,443</i> | <i>3,439,659</i> | <i>1,922,918</i> |
| CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FORAGE | 2,504,093         | 60,503           | 79,565           | 11,810           | 21,841           |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                        |                   |                  |                  |                  |                  |
| 1) Sugar crops:   |                   |                  |                  |                  |                  |
| Sugar cane . . . . .  | 35,263            | 35,186           | 2,188            | 5,590            | 7,040            |
| Other sugar crops . . . . .                                 | 7,745             | 2,105            | 2                | —                | —                |
| 2) Fibre crops:   |                   |                  |                  |                  |                  |
| Cotton . . . . .  | 3,209,909         | 75,188           | 828,611          | 508,160          | 18,668           |
| Sunn . . . . .  | 56,041            | —                | 6,377            | 23,935           | 5,919            |
| Other fibre crops . . . . .                                 | 41,803            | 14,715           | 2,310            | 1,132            | 680              |
| 3) Oilseed crops:   |                   |                  |                  |                  |                  |
| Linseed . . . . .   | 512,582           | 1,243            | 4                | 49,163           | 25,966           |
| Groundnuts . . . . .  | 743,676           | 324,648          | —                | 6,529            | 12,168           |
| Castor beans . . . . .                                      | 567,324           | 108,772          | 103,580          | 998              | —                |
| Rape and mustard seed . . . . .                             | 13,248            | 4,697            | 26,295           | 16,081           | 32,446           |
| Sesame . . . . .  | 312,786           | 79,859           | 72,811           | 272,656          | 30,960           |
| Other oilseed crops . . . . .                               | 575,853           | 51,045           | 41,640           | 14,979           | 13,438           |
| 4) Drugs and narcotics:                                     |                   |                  |                  |                  |                  |
| Indian hemp . . . . .                                       | —                 | 509              | —                | 60               | 1                |
| Poppyseed (Opium) . . . . .                                 | —                 | —                | 375              | 7,602            | 240              |
| Other drugs and narcotics . . . . .                         | —                 | 2,484            | 42               | —                | 191              |
| 5) Other industrial crops:                                  |                   |                  |                  |                  |                  |
| Tobacco . . . . .   | 81,946            | 23,692           | 44,925           | 8,464            | 3,901            |
| Indigo . . . . .  | 5,721             | —                | 57               | 36               | 10               |
| Other crops for dyeing and tanning . . . . .                | —                 | 57               | 1                | —                | 81               |
| <i>Total crops for industrial purposes . . . . .</i>        | <i>5,962,097</i>  | <i>725,209</i>   | <i>1,129,218</i> | <i>915,353</i>   | <i>150,994</i>   |
| <b>OTHER CROPS</b>  |                   |                  |                  |                  |                  |
| Fruits and vegetables including root crops . . . . .        | 639,777           | 98,216           | 13,968           | 11,904           | 35,311           |
| Condiments and spices . . . . .                             | 117,423           | 148,210          | 18,429           | 8,449            | 4,259            |
| Miscellaneous food crops . . . . .                          | 594,548           | 87,059           | —                | 91,260           | 7,910            |
| Miscellaneous non-food crops . . . . .                      | 501,813           | 112,543          | 19,033           | 52,056           | 19,108           |
| <i>Total other crops . . . . .</i>                          | <i>1,853,561</i>  | <i>446,028</i>   | <i>51,430</i>    | <i>143,669</i>   | <i>66,488</i>    |
| <b>NUTS AND MISCELLANEOUS PLANTATIONS</b>                   |                   |                  |                  |                  |                  |
| Cacaos . . . . .  | —                 | 142,273          | —                | —                | —                |
| Coffee . . . . .  | —                 | 112,876          | —                | —                | —                |
| Tea . . . . .   | —                 | 3,264            | —                | —                | —                |
| Grachas . . . . .   | —                 | —                | —                | —                | —                |
| <i>Total nuts and plantations . . . . .</i>                 | <i>—</i>          | <i>258,413</i>   | <i>—</i>         | <i>—</i>         | <i>—</i>         |
| <i>Total acreage under crops and fruits . . . . .</i>       | <i>28,821,132</i> | <i>6,856,942</i> | <i>3,242,476</i> | <i>4,510,487</i> | <i>2,161,717</i> |
| Defect area sown more than once . . . . .                   | 568,064           | 221,745          | 68,749           | 248,721          | 176,499          |
| <i>Net area under crops and fruits . . . . .</i>            | <i>28,253,068</i> | <i>6,635,197</i> | <i>3,173,727</i> | <i>4,261,766</i> | <i>1,985,216</i> |
| FALLOW LAND . . . . .                                       | 1,973,128         | 1,513,701        | —                | 426,088          | 183,697          |
| <i>Total cultivated area . . . . .</i>                      | <i>30,226,196</i> | <i>8,148,898</i> | <i>3,173,727</i> | <i>4,687,854</i> | <i>2,168,913</i> |

## 19. — INDIAN STATES. — UTILIZATION OF CULTIVATED AREA IN 1929-30 (continued).

| DESCRIPTION   | (ACRES)              |                      |                  |                      |
|---|----------------------|----------------------|------------------|----------------------|
|   | MADRAS STATES        | CENTRAL INDIA STATES | RAJPUTANA STATES | PUNJAB AGENCY STATES |
| <b>CEREALS</b>  |                      |                      |                  |                      |
| Wheat . . . . .   | 187                  | 1,086,398            | 738,014          | 1,252,668            |
| Barley . . . . .  | 240                  | 60,896               | 479,335          | 286,457              |
| Maize . . . . .   | 288                  | 158,052              | 175,569          | 226,661              |
| Millet (Ragi or Marua) . . . . .                            | 50,245               | 722                  | 669              | 1,719                |
| Millet (Gumbu or Bajra) . . . . .                           | 9,576                | 161,658              | 1,547,083        | 795,445              |
| Rice . . . . .  | 1,076,224            | 85,029               | 5,828            | 96,757               |
| Sorghum (Cholam or Jowar) . . . . .                         | 84,776               | 1,064,039            | 1,222,689        | 306,019              |
| <i>Total specified cereals . . . . .</i>                    | <i>1,221,534</i>     | <i>2,596,794</i>     | <i>4,169,187</i> | <i>2,947,726</i>     |
| Other cereals and pulses:                                   |                      |                      |                  |                      |
| Other food grains including pulses . . . . .                | 89,994               | 347,410              | 711,630          | 432,628              |
| Gram (Pulse) . . . . .                                      | 37,157               | 277,577              | 395,665          | 725,749              |
| <i>Total other cereals and pulses . . . . .</i>             | <i>127,151</i>       | <i>624,987</i>       | <i>1,107,295</i> | <i>1,158,377</i>     |
| <i>Total cereals and pulses . . . . .</i>                   | <i>1,348,685</i>     | <i>3,221,781</i>     | <i>5,276,482</i> | <i>4,106,103</i>     |
| CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FORAGE | 610                  | 312,636              | 410,064          | 918,702              |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                        |                      |                      |                  |                      |
| 1) Sugar crops:   |                      |                      |                  |                      |
| Sugar cane . . . . .  | 10,459               | 9,738                | 4,558            | 27,181               |
| Other sugar crops . . . . .                                 | —                    | 242                  | 602              | 93                   |
| 2) Fibre crops:   |                      |                      |                  |                      |
| Cotton . . . . .  | 33,959               | 1,002,076            | 239,109          | 360,977              |
| Sunn . . . . .  | —                    | 17,447               | 9,579            | 2,433                |
| Other fibre crops . . . . .                                 | 568                  | 7,101                | 982              | 3,872                |
| 3) Oilseed crops:   |                      |                      |                  |                      |
| Linseed . . . . .   | 12                   | 84,043               | 97,941           | 5,121                |
| Groundnuts . . . . .  | 30,872               | 12,984               | 6,408            | —                    |
| Castor beans . . . . .                                      | 528                  | 468                  | 471              | —                    |
| Rape and mustard seed . . . . .                             | 503                  | 659                  | 125,251          | 44,128               |
| Sesame . . . . .  | 9,831                | 195,614              | 258,249          | 26,619               |
| Other oilseed crops . . . . .                               | 1,445                | 4,233                | 26,247           | 101,884              |
| 4) Drugs and narcotics:                                     |                      |                      |                  |                      |
| Indian hemp . . . . .                                       | 6                    | 3,784                | 30               | —                    |
| Poppyseed (Opium) . . . . .                                 | —                    | 3,202                | 9,657            | 170                  |
| Other drugs and narcotics . . . . .                         | 227                  | 3,485                | 206              | 42                   |
| 5) Other industrial crops:                                  |                      |                      |                  |                      |
| Tobacco . . . . .   | 102                  | 9,917                | 15,911           | 8,304                |
| Indigo . . . . .  | 10                   | —                    | 101              | 136                  |
| Other crops for dyeing and tanning . . . . .                | 2                    | 6                    | 124              | 145                  |
| <i>Total crops for industrial purposes . . . . .</i>        | <i>108,524</i>       | <i>1,354,999</i>     | <i>795,426</i>   | <i>575,105</i>       |
| <b>OTHER CROPS</b>  |                      |                      |                  |                      |
| Fruits and vegetables including root crops . . . . .        | 77,584               | 21,285               | 28,257           | 33,062               |
| Condiments and spices . . . . .                             | 799                  | 12,325               | 92,857           | 10,890               |
| Miscellaneous food crops . . . . .                          | 485,792              | 120,816              | 38,132           | 105,643              |
| Miscellaneous non-food crops . . . . .                      | 114,313              | 23,868               | 214,611          | 222,260              |
| <i>Total other crops . . . . .</i>                          | <i>678,488</i>       | <i>178,212</i>       | <i>373,857</i>   | <i>369,855</i>       |
| <b>NUTS AND MISCELLANEOUS PLANTATIONS</b>                   |                      |                      |                  |                      |
| Cacaos . . . . .  | 581,068              | —                    | —                | —                    |
| Coffee . . . . .  | 3,070                | —                    | —                | —                    |
| Tea . . . . .   | 65,734               | —                    | —                | —                    |
| Cardamom . . . . .  | —                    | —                    | —                | 21                   |
| <i>Total nuts and plantations . . . . .</i>                 | <i>649,872</i>       | <i>—</i>             | <i>—</i>         | <i>21</i>            |
| <i>Total acreage under crops and fruits . . . . .</i>       | <i>(1) 3,102,506</i> | <i>5,072,628</i>     | <i>6,855,829</i> | <i>(2) 6,065,847</i> |
| Defect area sown more than once . . . . .                   | 95,978               | 575,649              | 296,140          | 726,532              |
| <i>Net area under crops and fruits . . . . .</i>            | <i>3,006,528</i>     | <i>4,496,979</i>     | <i>6,559,689</i> | <i>5,339,315</i>     |
| FALLOW LAND . . . . .                                       | 359,254              | 2,188,043            | 3,435,399        | 1,715,488            |
| <i>Total cultivated area . . . . .</i>                      | <i>3,365,782</i>     | <i>6,685,022</i>     | <i>9,995,088</i> | <i>7,054,803</i>     |

(1) Including 314,387 acres for which details are not available. — (2) Including 96,061 acres for which details are not available.



## 19. — INDIAN STATES. — UTILIZATION OF CULTIVATED AREA IN 1929-30 (concluded).

(ACRES)

| DESCRIPTION   | PUNJAB STATES | BOMBAY STATES | UNITED PROVINCES STATES | TOTAL          |
|---|---------------|---------------|-------------------------|----------------|
| <b>CEREALS</b>  |               |               |                         |                |
| Wheat   | 164,543       | 164,510       | 115,176                 | 5,800,044      |
| Barley  | 35,905        | 585           | 58,168                  | 1,113,471      |
| Maize   | 60,953        | 3,257         | 80,485                  | 2,275,154      |
| Millet (Ragi or Marua)  | 13,172        | 942           | 3,856                   | 2,889,161      |
| Millet (Camba or Bajra)   | 26,847        | 593,030       | 41,624                  | 6,351,837      |
| Rice  | 21,259        | 24,498        | 144,103                 | 3,324,839      |
| Sorghum (Cholum or Jowar)   | 9,669         | 581,100       | 36,369                  | 14,700,035     |
| Total specified cereals   | 277,548       | 1,348,010     | 480,001                 | 36,541,264     |
| Other cereals and pulses:   |               |               |                         |                |
| Other food grains including pulses                                  | 78,499        | 19,601        | 96,987                  | 7,885,426      |
| Gram (Pulse)  | 12,095        | 10,424        | 100,505                 | 3,876,737      |
| Total other cereals and pulses                                      | 90,594        | 30,025        | 197,492                 | 11,762,163     |
| Total cereals and pulses  | 368,142       | 1,378,035     | 677,493                 | 48,303,427     |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND STORAGE</b> | 26,033        | 6,301         | 15,465                  | 4,377,422      |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                                |               |               |                         |                |
| 1) Sugar crops:   |               |               |                         |                |
| Sugar cane  | 1,353         | 1,935         | 20,997                  | 157,503        |
| Other sugar crops   | 21            | 107           | —                       | 10,917         |
| 2) Fibre crops:   |               |               |                         |                |
| Cotton  | 7,376         | 261,423       | 12,857                  | 6,558,326      |
| Sans  | 320           | 86            | 230                     | 122,154        |
| Other fibre crops   | 71            | 561           | 5,461                   | 79,245         |
| 3) Oilseed crops:   |               |               |                         |                |
| Linseed   | 260           | 1,715         | 4,373                   | 782,426        |
| Groundnuts  | —             | 7,321         | 65                      | 1,164,663      |
| Caster beans  | —             | 103           | 152                     | 794,196        |
| Rape and mustard seed   | 1,612         | —             | 4,528                   | 269,296        |
| Sesame  | 1,217         | 64,136        | 2,296                   | 1,320,140      |
| Other oilseed crops   | 4,669         | 38,851        | —                       | 674,276        |
| 4) Drugs and narcotics:   |               |               |                         |                |
| Indian hemp   | 143           | —             | —                       | 4,537          |
| Poppyseed (Opium)   | 2,567         | —             | —                       | 25,800         |
| Other drugs and narcotics   | 1,071         | 1             | 2                       | 12,740         |
| 5) Other industrial crops:  |               |               |                         |                |
| Tobacco   | 848           | 367           | 4,115                   | 202,528        |
| Indigo  | 6             | —             | —                       | 6,183          |
| Other crops for dyeing and tanning                                  | 7             | —             | —                       | 395            |
| Total crops for industrial purposes                                 | 21,341        | 376,606       | 55,076                  | 12,369,539     |
| <b>OTHER CROPS</b>  |               |               |                         |                |
| Fruits and vegetables including root crops                          | 2,804         | 4,844         | 8,004                   | 974,661        |
| Condiments and spices   | 1,142         | 2,836         | 8,437                   | 426,046        |
| Miscellaneous food crops  | 25,468        | 1,174         | 6,184                   | 1,562,046      |
| Miscellaneous non-food crops  | 959           | 596           | 537                     | 1,261,776      |
| Total other crops   | 30,373        | 9,450         | 23,162                  | 4,224,529      |
| <b>NUTS AND MISCELLANEOUS PLANTATIONS</b>                           |               |               |                         |                |
| Coconuts  | —             | —             | —                       | 725,341        |
| Coffee  | —             | —             | —                       | 115,986        |
| Tea   | —             | —             | —                       | 49,027         |
| Cinchona  | —             | —             | —                       | 21             |
| Total nuts and plantations  | —             | —             | —                       | 900,395        |
| Total arable under crops and fruits                                 | 499,689       | 1,790,592     | (1) 1,054,234           | (2) 68,974,099 |
| Deduct area sown more than once                                     | 60,056        | 12,066        | 178,094                 | 3,437,245      |
| Net area under crops and fruits                                     | 370,823       | 1,778,526     | 876,140                 | 66,536,854     |
| <b>FALLOW LAND</b>  | 66,895        | 272,561       | 307,865                 | 12,641,967     |
| Total cultivated area   | 437,718       | 2,051,087     | 1,184,005               | 79,178,821     |

(1) Including 283,038 acres for which details are not available. — (2) Including 695,406 acres for which details are not available.

## 20. — AREA OF CERTAIN PRINCIPAL CROPS IN INDIA FOR 1929-30.

(ACRES)

| CROPS                                | MAHARASHTRA   | BOMBAY              | BENGAL                      | UNITED PROVINCES | PUNJAB                       |
|--------------------------------------|---------------|---------------------|-----------------------------|------------------|------------------------------|
| <b>CEREALS</b>                       |               |                     |                             |                  |                              |
| Wheat                                | (1)           | (2) 2,469,000       | 126,000                     | (2) 7,298,000    | (2) 11,321,000               |
| Barley                               | (1)           | 42,000              | 84,000                      | 4,269,000        | 521,000                      |
| Maize                                | 117,000       | 199,000             | 94,000                      | 2,327,000        | 1,142,000                    |
| Millet (Camba or Bajra)              | 2,888,000     | (2) 5,569,000       | 2,000                       | 2,128,000        | 3,365,000                    |
| Rice                                 | 11,262,000    | (2) 3,585,000       | 20,225,000                  | (2) 6,873,000    | 975,000                      |
| Sorghum (Cholum or Jowar)            | 5,174,000     | (2) 11,566,000      | 4,000                       | 2,469,000        | 1,108,000                    |
| <b>LEGUMINOUS</b>                    |               |                     |                             |                  |                              |
| Gram (Pulse)                         | 75,000        | 727,000             | 154,000                     | 4,200,000        | 3,151,000                    |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |               |                     |                             |                  |                              |
| 1) Sugar crops:                      |               |                     |                             |                  |                              |
| Sugar cane                           | 98,000        | (2) 92,000          | 198,000                     | (2) 1,362,000    | 307,000                      |
| 2) Fibre crops:                      |               |                     |                             |                  |                              |
| Cotton                               | (2) 2,567,000 | (2) 7,294,000       | (2) 78,000                  | (2) 929,000      | (2) 2,536,000                |
| Jute                                 | —             | —                   | (2) 3,020,000               | —                | —                            |
| 3) Oilseed crops:                    |               |                     |                             |                  |                              |
| Linseed                              | (1)           | (2) 157,000         | 114,000                     | 731,000          | 28,000                       |
| Groundnuts                           | 3,269,000     | (2) 1,549,000       | (1)                         | (1)              | —                            |
| Casterseed                           | 256,000       | (2) 128,000         | (1)                         | (3) 7,000        | (1)                          |
| Rape and mustard seed                | (1)           | (2) 360,000         | 795,000                     | 2,556,000        | 1,074,000                    |
| Sesame                               | 773,000       | (2) 498,000         | 157,000                     | 1,182,000        | 122,000                      |
| 4) Other industrial crops:           |               |                     |                             |                  |                              |
| Tobacco                              | 257,000       | 161,000             | 295,000                     | 101,000          | 59,000                       |
| Indian                               | 52,800        | (2) 300             | —                           | 4,000            | 6,800                        |
| <b>MISCELLANEOUS PLANTATIONS</b>     |               |                     |                             |                  |                              |
| Coffee                               | (2) 40,000    | —                   | —                           | —                | —                            |
| Tea                                  | (2) 132,000   | —                   | (2) 295,000                 | 6,000            | 9,700                        |
| Rubber                               | (2) 75,000    | —                   | —                           | —                | —                            |
|                                      | BENGALEE      | BHAR AND ORISSA (4) | CENTRAL PROVINCES AND BIHAR | ASSAM            | NORTH-WEST FRONTIER PROVINCE |
| <b>CEREALS</b>                       |               |                     |                             |                  |                              |
| Wheat                                | (1)           | 1,208,000           | (2) 3,098,000               | —                | 1,057,000                    |
| Barley                               | —             | 1,358,000           | 16,000                      | —                | 221,000                      |
| Maize                                | 200,000       | 1,715,000           | 154,000                     | —                | 481,000                      |
| Millet (Camba or Bajra)              | —             | 73,000              | 187,000                     | —                | 245,000                      |
| Rice                                 | 12,861,000    | 14,229,000          | (2) 5,894,000               | 4,230,000        | 34,000                       |
| Sorghum (Cholum or Jowar)            | 474,000       | 83,000              | 4,295,000                   | —                | 121,000                      |
| <b>LEGUMINOUS</b>                    |               |                     |                             |                  |                              |
| Gram (Pulse)                         | 159,000       | 1,467,000           | 1,214,000                   | (5)              | 229,000                      |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |               |                     |                             |                  |                              |
| 1) Sugar crops:                      |               |                     |                             |                  |                              |
| Sugar cane                           | (1)           | 279,000             | 22,000                      | 29,000           | 51,000                       |
| 2) Fibre crops:                      |               |                     |                             |                  |                              |
| Cotton                               | 335,000       | 69,000              | 5,175,000                   | 41,000           | 17,000                       |
| Jute                                 | —             | 238,000             | —                           | 157,000          | —                            |
| 3) Oilseed crops:                    |               |                     |                             |                  |                              |
| Linseed                              | —             | 654,000             | (2) 839,000                 | (1)              | —                            |
| Groundnuts                           | 571,000       | (1)                 | (1)                         | —                | —                            |
| Casterseed                           | —             | 55,000              | 47,000                      | (1)              | —                            |
| Rape and mustard seed                | (1)           | 665,000             | (1)                         | 536,000          | 138,000                      |
| Sesame                               | 1,225,000     | 188,000             | 496,000                     | (1)              | (1)                          |
| 4) Other industrial crops:           |               |                     |                             |                  |                              |
| Tobacco                              | 117,000       | 142,000             | 14,000                      | 10,000           | (1)                          |
| Indian                               | (1)           | 5,900               | —                           | —                | —                            |
| <b>MISCELLANEOUS PLANTATIONS</b>     |               |                     |                             |                  |                              |
| Coffee                               | —             | —                   | —                           | —                | —                            |
| Tea                                  | —             | 4,100               | —                           | 429,500          | —                            |
| Rubber                               | 91,300        | —                   | —                           | —                | —                            |

(1) Included in 'Other Tracts'. — (2) Including Indian States. — (3) Excluding estimates of mixed crops for which there are no reliable data. — (4) Including Federated States, rough estimates for which are: Rice, acres 3,239,000; Wheat, acres 2,400; Sugar-cane, acres 20,000. — (5) Not available.

## 20. — AREA OF CERTAIN PRINCIPAL CROPS IN INDIA FOR 1929-30 (concluded).

(ACRES)

| CROPS                                | AJMER-MERWARA | MARWAR  | COORG                | DELHI            | HYDERABAD    | BANARA     |
|--------------------------------------|---------------|---------|----------------------|------------------|--------------|------------|
| <b>CEREALS</b>                       |               |         |                      |                  |              |            |
| Wheat                                | 29,000        | (2)     | —                    | 33,000           | 1,026,000    | 73,000     |
| Barley                               | 81,000        | —       | —                    | 14,000           | (1)          | —          |
| Maise                                | 94,000        | (1)     | —                    | 3,000            | (1)          | —          |
| Millet (Cumbu or Bajra)              | 29,000        | (1)     | —                    | 72,000           | (1)          | (1)        |
| Rice                                 | (1)           | (1)     | 83,000               | —                | 507,000      | 192,000    |
| Sorghum (Cholum or Jowar)            | 71,000        | (1)     | —                    | 30,000           | 8,997,000    | (1)        |
| <b>LEGUMINOUS</b>                    |               |         |                      |                  |              |            |
| Gram (Pulse)                         | 36,000        | (1)     | (1)                  | 5,000            | (1)          | (1)        |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |               |         |                      |                  |              |            |
| 1) Sugar crops:                      |               |         |                      |                  |              |            |
| Sugar cane                           | (1)           | —       | —                    | 3,000            | 37,000       | 2,000      |
| 2) Fibre crops:                      |               |         |                      |                  |              |            |
| Cotton                               | 54,000        | (6)     | —                    | 3,000            | 3,536,000    | 771,000    |
| Jute                                 | —             | —       | —                    | —                | —            | —          |
| 3) Oilseed crops:                    |               |         |                      |                  |              |            |
| Linseed                              | (1)           | (1)     | —                    | —                | 242,000      | —          |
| Groundnuts                           | —             | —       | —                    | —                | 619,000      | —          |
| Castorseed                           | —             | —       | —                    | —                | 602,000      | 83,000     |
| Rape and mustard seed                | (1)           | (1)     | —                    | 5,000            | 11,000       | 19,000     |
| Sesame                               | 15,000        | (1)     | (1)                  | —                | 509,000      | 72,000     |
| 4) Other industrial crops:           |               |         |                      |                  |              |            |
| Tobacco                              | —             | —       | —                    | 1,000            | 81,000       | 45,000     |
| Indigo                               | —             | —       | —                    | —                | (1)          | —          |
| <b>MISCELLANEOUS PLANTATIONS</b>     |               |         |                      |                  |              |            |
| Coffee                               | —             | —       | 37,000               | —                | —            | —          |
| Tea                                  | —             | —       | 400                  | —                | —            | —          |
| Rubber                               | —             | —       | 3,000                | —                | —            | —          |
|                                      | MYSORE        | GUJARAT | CENTRAL INDIA STATES | RAJPUTANA STATES | OTHER TRACTS | TOTAL      |
| <b>CEREALS</b>                       |               |         |                      |                  |              |            |
| Wheat                                | 4,000         | 943,000 | 1,805,000            | 1,172,000        | 544,000      | 32,198,000 |
| Barley                               | —             | (1)     | (1)                  | (1)              | 1,096,000    | 8,596,000  |
| Maise                                | (3)           | (1)     | (1)                  | (1)              | 2,119,000    | 8,649,000  |
| Millet (Cumbu or Bajra)              | 51,000        | (1)     | (1)                  | (1)              | 5,896,000    | 20,415,000 |
| Rice                                 | 721,000       | (1)     | (1)                  | (1)              | 1,839,000    | 63,461,000 |
| Sorghum (Cholum or Jowar)            | 760,000       | (1)     | (1)                  | (1)              | 4,624,000    | 39,274,000 |
| <b>LEGUMINOUS</b>                    |               |         |                      |                  |              |            |
| Gram (Pulse)                         | 783,000       | (1)     | (1)                  | (1)              | 2,828,000    | 15,036,000 |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |               |         |                      |                  |              |            |
| 1) Sugar crops:                      |               |         |                      |                  |              |            |
| Sugar cane                           | 33,000        | (1)     | (1)                  | (1)              | 97,000       | 2,610,000  |
| 2) Fibre crops:                      |               |         |                      |                  |              |            |
| Cotton                               | 69,000        | 633,000 | 1,388,000            | 307,000          | —            | 25,922,000 |
| Jute                                 | —             | —       | —                    | —                | —            | 3,415,000  |
| 3) Oilseed crops:                    |               |         |                      |                  |              |            |
| Linseed                              | (1)           | (1)     | (1)                  | (1)              | 541,000      | 3,086,000  |
| Groundnuts                           | (1)           | (1)     | (1)                  | (1)              | 578,000      | 6,526,000  |
| Castorseed                           | 107,000       | (1)     | —                    | (1)              | 7,000        | 1,292,000  |
| Rape and mustard seed                | (1)           | (1)     | (1)                  | (1)              | 307,000      | 6,171,000  |
| Sesame                               | (1)           | (1)     | (1)                  | (1)              | 878,000      | 6,175,000  |
| 4) Other industrial crops:           |               |         |                      |                  |              |            |
| Tobacco                              | 24,000        | (1)     | (1)                  | (1)              | 61,000       | 1,366,000  |
| Indigo                               | —             | (1)     | —                    | (1)              | 3,000        | 72,800     |
| <b>MISCELLANEOUS PLANTATIONS</b>     |               |         |                      |                  |              |            |
| Coffee                               | 86,500        | —       | —                    | —                | —            | 163,500    |
| Tea                                  | 5,500         | —       | —                    | —                | —            | 708,000    |
| Rubber                               | 600           | —       | —                    | —                | —            | 170,800    |

(1) Included in 'Other Tracts'. — (2) Included in Central India States. — (3) Less than 500 acres.

## 21. — ESTIMATED PRODUCTION OF CERTAIN PRINCIPAL CROPS IN INDIA FOR 1929-30.

(1,000 LB.)

| CROPS                                | MAHARASHTRA | BOHAR                | BENGALE                      | UNITED PROVINCES | PUNJAB                       |
|--------------------------------------|-------------|----------------------|------------------------------|------------------|------------------------------|
| <b>CEREALS</b>                       |             |                      |                              |                  |                              |
| Wheat                                | (1)         | (2) 1,223,000        | 74,000                       | (2) 7,486,000    | (2) 9,426,000                |
| Barley                               | (1)         | 31,000               | 61,000                       | 3,071,000        | 589,000                      |
| Maise                                | 126,000     | 152,000              | 74,000                       | 2,047,000        | 889,000                      |
| Millet (Cumbu or Bajra)              | 1,705,000   | (2) 1,769,000        | 2,000                        | 820,000          | 632,000                      |
| Rice                                 | 11,771,000  | (2) 3,244,000        | 18,372,000                   | (2) 3,423,000    | 694,000                      |
| Sorghum (Cholum or Jowar)            | 3,322,000   | (2) 5,136,000        | 2,000                        | 1,440,000        | 202,000                      |
| <b>LEGUMINOUS</b>                    |             |                      |                              |                  |                              |
| Gram (Pulse)                         | 36,000      | 267,000              | 105,000                      | 2,793,000        | 1,709,000                    |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |             |                      |                              |                  |                              |
| 1) Sugar crops:                      |             |                      |                              |                  |                              |
| Sugar cane                           | 616,000     | (2) 522,000          | 493,000                      | (2) 2,941,000    | 457,000                      |
| 2) Fibre crops:                      |             |                      |                              |                  |                              |
| Cotton                               | 205,000     | (2) 523,000          | (2) 8,000                    | (2) 116,000      | 319,000                      |
| Jute                                 | —           | —                    | (2) 3,705,000                | —                | —                            |
| 3) Oilseed crops:                    |             |                      |                              |                  |                              |
| Linseed                              | (1)         | (2) 29,000           | 45,000                       | 329,000          | 7,000                        |
| Groundnuts (shelled)                 | 3,409,000   | (2) 1,149,000        | (1)                          | —                | —                            |
| Castorseed                           | 58,000      | (2) 45,000           | (1)                          | (3) 4,000        | (1)                          |
| Rape and mustard seed                | (1)         | (2) 96,000           | 300,000                      | 1,172,000        | 336,000                      |
| Sesame                               | 226,000     | (2) 128,000          | 54,000                       | 226,000          | 22,000                       |
| 4) Other industrial crops:           |             |                      |                              |                  |                              |
| Tobacco                              | 305,000     | 278,000              | 278,000                      | 154,000          | 49,000                       |
| Indigo                               | 1,300       | —                    | —                            | 100              | 108                          |
| <b>MISCELLANEOUS PLANTATIONS</b>     |             |                      |                              |                  |                              |
| Coffee                               | 8,350       | —                    | —                            | —                | —                            |
| Tea                                  | 37,941      | —                    | (2) 111,356                  | 1,469            | 1,938                        |
| Rubber                               | 16,302      | —                    | —                            | —                | —                            |
|                                      | BHARAT      | BIHAR AND ORISSA (4) | CENTRAL PROVINCES AND BHARAT | ASSAM            | NORTH-WEST FRONTIER PROVINCE |
| <b>CEREALS</b>                       |             |                      |                              |                  |                              |
| Wheat                                | (1)         | 1,154,000            | 1,362,000                    | —                | 556,000                      |
| Barley                               | —           | 1,158,000            | 7,000                        | —                | 181,000                      |
| Maise                                | 87,000      | 1,331,000            | 246,000                      | —                | 493,000                      |
| Millet (Cumbu or Bajra)              | —           | 61,000               | 58,000                       | —                | 58,000                       |
| Rice                                 | 11,169,000  | 13,465,000           | 4,276,000                    | 3015,000         | 25,000                       |
| Sorghum (Cholum or Jowar)            | 112,000     | 56,000               | 2,321,000                    | —                | 32,000                       |
| <b>LEGUMINOUS</b>                    |             |                      |                              |                  |                              |
| Gram (Pulse)                         | 72,000      | 1,194,000            | 491,000                      | (5)              | 65,000                       |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |             |                      |                              |                  |                              |
| 1) Sugar crops:                      |             |                      |                              |                  |                              |
| Sugar cane                           | (1)         | 681,000              | 81,000                       | 58,000           | 141,000                      |
| 2) Fibre crops:                      |             |                      |                              |                  |                              |
| Cotton                               | 27,000      | 5,000                | 591,000                      | 6,000            | 2,000                        |
| Jute                                 | —           | 288,000              | —                            | 141,000          | —                            |
| 3) Oilseed crops:                    |             |                      |                              |                  |                              |
| Linseed                              | —           | 240,000              | (2) 161,000                  | (1)              | —                            |
| Groundnuts (shelled)                 | 408,000     | (1)                  | (1)                          | —                | —                            |
| Castorseed                           | —           | 18,000               | 20,000                       | (1)              | —                            |
| Rape and mustard seed                | (1)         | 365,000              | (1)                          | 139,000          | 20,000                       |
| Sesame                               | 112,000     | 67,000               | 85,000                       | (1)              | (1)                          |
| 4) Other industrial crops:           |             |                      |                              |                  |                              |
| Tobacco                              | 116,000     | 150,000              | 7,000                        | 9,000            | (1)                          |
| Indigo                               | (1)         | 101                  | —                            | —                | —                            |
| <b>MISCELLANEOUS PLANTATIONS</b>     |             |                      |                              |                  |                              |
| Coffee                               | —           | —                    | —                            | —                | —                            |
| Tea                                  | —           | 853                  | —                            | 258,941          | —                            |
| Rubber                               | 11,170      | —                    | —                            | —                | —                            |

(1) Included in 'Other Tracts'. — (2) Including Indian States. — (3) Excluding estimates for the mixed crops for which there are no reliable data. — (4) Excluding Feudatory States, rough estimates for which are: Rice, 3,644,000 thousand lb.; Wheat, 672 thousand lb.; Sugar-cane, 40,000 thousand lb. — (5) Not available.

21. — ESTIMATED PRODUCTION OF CERTAIN PRINCIPAL CROPS IN INDIA FOR 1929-30  
(concluded).

(1,000 LB.)

| CROPS                                | INDIA         |                |                      |                  |                  |            |
|--------------------------------------|---------------|----------------|----------------------|------------------|------------------|------------|
|                                      | AJMER-MERWARA | MARWAR PARGANA | COORG                | DELHI            | HYDRABAD         | BANODA     |
| <b>CEREALS</b>                       |               |                |                      |                  |                  |            |
| Wheat                                | 25,000        | (2)            | —                    | 22,000           | 240,000          | 45,000     |
| Barley                               | 29,000        | —              | —                    | 9,000            | (1)              | —          |
| Maize                                | 36,000        | (1)            | —                    | 2,000            | (1)              | —          |
| Millet (Cumbu or Bajra)              | 2,000         | (1)            | —                    | 9,000            | (1)              | (1)        |
| Rice                                 | (1)           | (1)            | 119,000              | —                | 336,000          | 74,000     |
| Sorghum (Cholum or Jowar)            | 7,000         | (1)            | —                    | 4,000            | 2,578,000        | (1)        |
| <b>LEGUMINOUS</b>                    |               |                |                      |                  |                  |            |
| Gram (Pulse)                         | 4,000         | (1)            | (1)                  | 2,000            | (1)              | (1)        |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |               |                |                      |                  |                  |            |
| 1) Sugar crops:                      |               |                |                      |                  |                  |            |
| Sugar cane                           | (1)           | —              | —                    | 7,000            | 87,000           | 7,000      |
| 2) Fibre crops:                      |               |                |                      |                  |                  |            |
| Cotton                               | 4,000         | (2)            | —                    | —                | 179,000          | 51,000     |
| Jute                                 | —             | —              | —                    | —                | —                | —          |
| 3) Oilseed crops:                    |               |                |                      |                  |                  |            |
| Linseed                              | (1)           | (1)            | —                    | —                | 36,000           | —          |
| Groundnuts (shelled)                 | —             | —              | —                    | —                | 325,000          | —          |
| Castorseed                           | —             | —              | —                    | —                | 90,000           | 11,000     |
| Rape and mustard seed                | (1)           | (1)            | —                    | 1,000            | 1,000            | 4,000      |
| Sesame                               | 1,000         | (1)            | (1)                  | —                | 81,000           | 9,000      |
| 4) Other industrial crops:           |               |                |                      |                  |                  |            |
| Tobacco                              | —             | —              | —                    | 2,000            | 27,000           | 18,000     |
| Indigo                               | —             | —              | —                    | —                | (1)              | —          |
| <b>MISCELLANEOUS PLANTATIONS</b>     |               |                |                      |                  |                  |            |
| Coffee                               | —             | —              | 14,668               | —                | —                | —          |
| Tea                                  | —             | —              | 167                  | —                | —                | —          |
| Rubber                               | —             | —              | 529                  | —                | —                | —          |
|                                      |               |                |                      |                  |                  |            |
|                                      | MYSORE        | GWALIOR        | CENTRAL INDIA STATES | RAJPUTANA STATES | OTHER TRACTS (*) | TOTAL      |
| <b>CEREALS</b>                       |               |                |                      |                  |                  |            |
| Wheat                                | 2,000         | 399,000        | 602,000              | 815,000          | 403,000          | 23,854,000 |
| Barley                               | —             | (1)            | (1)                  | (1)              | 804,000          | 5,940,000  |
| Maize                                | —             | (1)            | (1)                  | (1)              | 1,774,000        | 2,257,000  |
| Millet (Cumbu or Bajra)              | 16,000        | (1)            | (1)                  | (1)              | 1,982,000        | 7,114,000  |
| Rice                                 | 470,000       | (1)            | (1)                  | (1)              | 1,583,000        | 72,038,000 |
| Sorghum (Cholum or Jowar)            | 304,000       | (1)            | (1)                  | (1)              | 2,603,000        | 17,521,000 |
| <b>LEGUMINOUS</b>                    |               |                |                      |                  |                  |            |
| Gram (Pulse)                         | 170,000       | (1)            | (1)                  | (1)              | 1,606,000        | 8,512,000  |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b> |               |                |                      |                  |                  |            |
| 1) Sugar crops:                      |               |                |                      |                  |                  |            |
| Sugar cane                           | 74,000        | (1)            | (1)                  | (1)              | 237,000          | 6,402,000  |
| 2) Fibre crops:                      |               |                |                      |                  |                  |            |
| Cotton                               | 4,000         | 36,000         | 84,000               | 27,000           | —                | 2,097,000  |
| Jute                                 | —             | —              | —                    | —                | —                | 4,134,000  |
| 3) Oilseed crops:                    |               |                |                      |                  |                  |            |
| Linseed                              | (1)           | (1)            | (1)                  | (1)              | 85,000           | 930,000    |
| Groundnuts (shelled)                 | (1)           | (1)            | (1)                  | (1)              | 605,000          | 5,891,000  |
| Castorseed                           | 14,000        | (1)            | —                    | (1)              | 2,000            | 262,000    |
| Rape and mustard seed                | (1)           | (1)            | (1)                  | (1)              | 141,000          | 2,573,000  |
| Sesame                               | (1)           | (1)            | (1)                  | (1)              | 155,000          | 1,160,000  |
| 4) Other industrial crops:           |               |                |                      |                  |                  |            |
| Tobacco                              | 16,000        | (1)            | (1)                  | (1)              | 65,000           | 1,474,000  |
| Indigo                               | —             | (1)            | —                    | (1)              | 100              | 1,700      |
| <b>MISCELLANEOUS PLANTATIONS</b>     |               |                |                      |                  |                  |            |
| Coffee                               | 16,406        | —              | —                    | —                | —                | 39,424     |
| Tea                                  | 113           | —              | —                    | —                | —                | 432,847    |
| Rubber                               | 22            | —              | —                    | —                | —                | 28,021     |

(\*) The figures as shown against 'Other Tracts' for which no reports are normally made, have been purposely estimated by the Department of Commercial Intelligence and Statistics of India as special contribution to the World Agricultural Census.  
(1) Included in 'Other Tracts', — (2) Included in Central India States.

22. — BRITISH INDIA. — IRRIGATION DURING 1929-30.

TOTAL IRRIGATED AREA (ACRES)

| KIND OF IRRIGATION   | INDIA            |                  |                             |                   |                              |
|--|------------------|------------------|-----------------------------|-------------------|------------------------------|
|  | MADRAS           | BOMBAY           | BENGAL                      | UNION PROVINCES   | PUNJAB                       |
| Government canals  | 3,737,798        | 3,371,045        | 50,375                      | 3,325,138         | 10,648,484                   |
| Private canals   | 234,089          | 79,781           | 176,577                     | 24,165            | 397,244                      |
| Tanks  | 3,368,735        | 125,868          | 869,048                     | 63,871            | 35,212                       |
| Wells  | 1,415,737        | 689,482          | 37,626                      | 5,610,554         | 4,018,862                    |
| Other sources  | 494,217          | 248,145          | 275,173                     | 1,903,308         | 143,837                      |
| <b>Total irrigated area</b>  | <b>9,250,576</b> | <b>4,514,321</b> | <b>1,408,799</b>            | <b>11,007,036</b> | <b>15,243,659</b>            |
|  | %                | %                | %                           | %                 | %                            |
| Ratio of total irrigated area to the total cultivated area (including fallow land) | 29.8             | 10.4             | 4.9                         | 29.0              | 41.9                         |
|  |                  |                  |                             |                   |                              |
|  | BURMA            | BIHAR AND ORISSA | CENTRAL PROVINCES AND BEHAR | ANDHRA            | NORTH-WEST FRONTIER PROVINCE |
| Government canals  | 640,516          | 857,902          | (1)                         | 10,727            | 388,064                      |
| Private canals   | 268,006          | 914,819          | 887,265                     | 263,596           | 408,613                      |
| Tanks  | 197,619          | 1,595,523        | (1)                         | 1,429             | —                            |
| Wells  | 21,974           | 567,679          | 113,554                     | 33                | 81,078                       |
| Other sources  | 338,931          | 1,385,061        | 40,850                      | 279,144           | 94,791                       |
| <b>Total irrigated area</b>  | <b>1,467,046</b> | <b>5,319,804</b> | <b>1,042,177</b>            | <b>554,929</b>    | <b>972,546</b>               |
|  | %                | %                | %                           | %                 | %                            |
| Ratio of total irrigated area to the total cultivated area (including fallow land) | 6.8              | 17.3             | 3.6                         | 7.1               | 33.5                         |
|  |                  |                  |                             |                   |                              |
|  | AJMER-MERWARA    | MARWAR PARGANA   | COORG                       | DELHI             | TOTAL                        |
| Government canals  | —                | —                | 2,295                       | 40,541            | 23,072,885                   |
| Private canals   | —                | —                | —                           | —                 | 3,654,655                    |
| Tanks  | 36,343           | —                | 1,308                       | 3,199             | 6,298,155                    |
| Wells  | 110,464          | 55               | —                           | 35,628            | 12,702,146                   |
| Other sources  | —                | —                | —                           | —                 | 5,282,285                    |
| <b>Total irrigated area</b>  | <b>146,807</b>   | <b>55 (2)</b>    | <b>3,603</b>                | <b>79,368</b>     | <b>51,010,126</b>            |
|  | %                | %                | %                           | %                 | %                            |
| Ratio of total irrigated area to the total cultivated area (including fallow land) | 29.3             | 0.7              | 1.2                         | 34.4              | 18.4                         |

(1) Included under 'Private canals', — (2) Figures of land partly irrigated from springs and mountain streams are not available.

## 23. — INDIAN STATES. — IRRIGATION DURING 1929-30.

TOTAL IRRIGATED AREA (ACRES)

| KIND OF IRRIGATION   | HYDERABAD                   | MYSORE               | BARODA             | GWALIOR              | KASHMIR        |
|--|-----------------------------|----------------------|--------------------|----------------------|----------------|
|  | Government canals . . . . . | 78,523               | 138,008            | 381                  | —              |
| Private canals . . . . .   | 9,085                       | 8,650                | —                  | 60,857               | 592,213        |
| Tanks . . . . .  | 359,112                     | 572,331              | 1,309              | 15,803               | 4,611          |
| Wells . . . . .  | 436,120                     | 88,017               | 125,397            | 160,704              | 7,725          |
| Other sources . . . . .  | 44,246                      | 302,690              | 386                | 5,010                | 18,757         |
| <b>Total irrigated area . . . . .</b>  | <b>1,127,086</b>            | <b>1,109,696</b>     | <b>127,473</b>     | <b>242,374</b>       | <b>723,389</b> |
| Ratio of total irrigated area to the total cultivated area (including fallow land) . . . . . | %                           | %                    | %                  | %                    | %              |
|  | 5.7                         | 13.6                 | 4.0                | 5.2                  | 33.4           |
|  | MADRAS STATES               | CENTRAL INDIA STATES | RAJPUTANA STATES   | PUNJAB AGENCY STATES |                |
| Government canals . . . . .  | 316,883                     | 459                  | 391,939            | 2,067,733            |                |
| Private canals . . . . .   | 76,567                      | 11,821               | 5,937              | 132,414              |                |
| Tanks . . . . .  | 212,938                     | 25,377               | 47,341             | 16                   |                |
| Wells . . . . .  | 20,671                      | 248,432              | 771,450            | 582,923              |                |
| Other sources . . . . .  | 1,030,958                   | 9,153                | 106,425            | 23,321               |                |
| <b>Total irrigated area . . . . .</b>  | <b>1,656,217</b>            | <b>295,242</b>       | <b>1,323,092</b>   | <b>2,806,413</b>     |                |
| Ratio of total irrigated area to the total cultivated area (including fallow land) . . . . . | %                           | %                    | %                  | %                    |                |
|  | 49.2                        | 4.4                  | 13.2               | 39.8                 |                |
|  | PUNJAB STATES               | BOMBAY STATES        | UNDEVELOPED STATES | TOTAL                |                |
| Government canals . . . . .  | 9,038                       | 11,688               | 32,959             | 3,148,104            |                |
| Private canals . . . . .   | 25,865                      | 48                   | 44,614             | 963,071              |                |
| Tanks . . . . .  | —                           | 315                  | 4,446              | 1,442,699            |                |
| Wells . . . . .  | 11,123                      | 68,924               | 58,894             | 2,578,396            |                |
| Other sources . . . . .  | 72,682                      | 714                  | 12,752             | 1,626,134            |                |
| <b>Total irrigated area . . . . .</b>  | <b>118,708</b>              | <b>81,689</b>        | <b>151,665</b>     | <b>9,763,694</b>     |                |
| Ratio of total irrigated area to the total cultivated area (including fallow land) . . . . . | %                           | %                    | %                  | %                    |                |
|  | 27.1                        | 4.0                  | 12.8               | 12.3                 |                |

## 24. — BRITISH INDIA. — TOTAL CROPS AND CROPS IRRIGATED IN 1929-30.

| CROPS  | MADRAS            |                   |                         |                                  | BOMBAY                |                   |                         |                                  |
|--|-------------------|-------------------|-------------------------|----------------------------------|-----------------------|-------------------|-------------------------|----------------------------------|
|  | Total Area        | Irrigated Area    |                         |                                  | Total Area            | Irrigated Area    |                         |                                  |
|  |                   | Absolute data     | Percentage of the total | Ratio of irrigated to total area |                       | Absolute data     | Percentage of the total | Ratio of irrigated to total area |
|  | acres             | acres             | %                       | %                                | acres                 | acres             | %                       | %                                |
| Wheat . . . . .                              | 21,522            | 5,628             | 0.0                     | 16.9                             | 2,050,316             | 541,489           | 11.1                    | 26.4                             |
| Barley . . . . .                             | 2,784             | 8                 | 0.0                     | 0.3                              | 42,297                | 19,644            | 0.4                     | 46.4                             |
| Maise . . . . .                              | 117,237           | 4,301             | 0.0                     | 3.7                              | 198,792               | 31,740            | 0.7                     | 16.0                             |
| Millet (Cumbu or Bajra) . . . . .            | 2,888,317         | 338,595           | 3.1                     | 11.7                             | 4,376,438             | 621,680           | 12.7                    | 14.2                             |
| Rice . . . . .                               | 11,362,067        | 8,624,509         | 72.6                    | 71.5                             | 3,171,292             | 1,451,078         | 29.2                    | 45.1                             |
| Sorghum (Chulam or Jowar) . . . . .          | 5,174,039         | 435,058           | 3.9                     | 8.4                              | 9,587,316             | 840,811           | 17.2                    | 9.0                              |
| Other food-grains including pulses . . . . . | 9,484,264         | 1,191,737         | 10.8                    | 12.6                             | 4,201,310             | 275,795           | 5.6                     | 6.6                              |
| Other crops for food . . . . .               | 7,754,580         | 278,656           | 2.5                     | 9.8                              | 5,924,871             | 196,362           | 4.0                     | 12.0                             |
| Miscellaneous non-food crops . . . . .       | 482,807           | 482,807           | 4.4                     | —                                | 515,576               | 515,576           | 10.5                    | —                                |
| Sugar cane . . . . .                         | 98,107            | 98,499            | 0.8                     | 96.3                             | 66,278                | 65,347            | 1.3                     | 98.6                             |
| Cotton . . . . .                             | 2,476,663         | 208,009           | 1.9                     | 8.4                              | 4,804,077             | 355,528           | 7.3                     | 7.4                              |
| <b>Total . . . . .</b>                       | <b>39,259,571</b> | <b>11,059,609</b> | <b>100.0</b>            | <b>28.2</b>                      | <b>34,222,987</b>     | <b>4,894,940</b>  | <b>100.0</b>            | <b>14.3</b>                      |
|  | BENGAL            |                   |                         |                                  | UNDEVELOPED PROVINCES |                   |                         |                                  |
|  | Total Area        | Irrigated Area    |                         |                                  | Total Area            | Irrigated Area    |                         |                                  |
|  |                   | Absolute data     | Percentage of the total | Ratio of irrigated to total area |                       | Absolute data     | Percentage of the total | Ratio of irrigated to total area |
|  | acres             | acres             | %                       | %                                | acres                 | acres             | %                       | %                                |
| Wheat . . . . .                              | 126,200           | 13,429            | 0.8                     | 10.6                             | (1) 7,324,248         | (1) 3,853,449     | 31.7                    | 52.6                             |
| Barley . . . . .                             | 83,908            | 4,622             | 0.3                     | 5.5                              | (1) 4,353,136         | (1) 2,250,198     | 18.5                    | 51.7                             |
| Maise . . . . .                              | 94,408            | 1,194             | 0.1                     | 1.3                              | (1) 2,335,882         | (1) 311,627       | 2.6                     | 13.3                             |
| Millet (Cumbu or Bajra) . . . . .            | 2,108             | 20                | 0.0                     | 1.0                              | (1) 2,127,632         | (1) 37,486        | 0.3                     | 1.8                              |
| Rice . . . . .                               | 28,224,609        | 1,300,293         | 81.3                    | 6.4                              | 6,933,791             | 818,171           | 6.7                     | 11.8                             |
| Sorghum (Chulam or Jowar) . . . . .          | 3,708             | —                 | —                       | —                                | (1) 2,468,771         | (1) 112,568       | 0.9                     | 4.6                              |
| Other food-grains including pulses . . . . . | 1,146,608         | 66,728            | 4.2                     | 5.8                              | (1) 1,236,467         | (1) 2,425,818     | 20.0                    | 21.6                             |
| Other crops for food . . . . .               | 5,894,609         | 135,091           | 8.4                     | 3.0                              | 3,244,088             | 429,835           | 3.5                     | 24.7                             |
| Miscellaneous non-food crops . . . . .       | 197,600           | 41,468            | 2.6                     | —                                | —                     | 372,259           | 3.1                     | —                                |
| Sugar cane . . . . .                         | 58,800            | 35,845            | 2.1                     | 17.1                             | 1,348,938             | 1,034,021         | 8.5                     | 76.7                             |
| Cotton . . . . .                             | —                 | 2,300             | 0.2                     | 3.9                              | 916,548               | 583,707           | 4.2                     | 55.0                             |
| <b>Total . . . . .</b>                       | <b>27,832,500</b> | <b>1,598,980</b>  | <b>100.0</b>            | <b>5.7</b>                       | <b>42,279,401</b>     | <b>12,149,139</b> | <b>100.0</b>            | <b>28.7</b>                      |
|  | PUNJAB            |                   |                         |                                  | BURMA                 |                   |                         |                                  |
|  | Total Area        | Irrigated Area    |                         |                                  | Total Area            | Irrigated Area    |                         |                                  |
|  |                   | Absolute data     | Percentage of the total | Ratio of irrigated to total area |                       | Absolute data     | Percentage of the total | Ratio of irrigated to total area |
|  | acres             | acres             | %                       | %                                | acres                 | acres             | %                       | %                                |
| Wheat . . . . .                              | 9,951,284         | 5,590,717         | 36.0                    | 56.2                             | 31,418                | —                 | —                       | —                                |
| Barley . . . . .                             | 921,316           | 491,973           | 2.8                     | 46.9                             | —                     | —                 | —                       | —                                |
| Maise . . . . .                              | 1,142,459         | 539,238           | 3.5                     | 47.2                             | 222,036               | 289               | 0.0                     | 0.1                              |
| Millet (Cumbu or Bajra) . . . . .            | 3,364,333         | 501,487           | 3.2                     | 14.9                             | —                     | —                 | —                       | —                                |
| Rice . . . . .                               | 974,830           | 810,473           | 5.2                     | 83.1                             | 12,886,896            | 1,474,793         | 94.0                    | 11.0                             |
| Sorghum (Chulam or Jowar) . . . . .          | 1,107,698         | 237,460           | 1.5                     | 21.4                             | 499,443               | 67                | 0.0                     | 0.0                              |
| Other food-grains including pulses . . . . . | 4,545,237         | 1,391,478         | 9.0                     | 39.6                             | 863,853               | 2,728             | 0.2                     | 0.3                              |
| Other crops for food . . . . .               | 276,447           | 276,447           | 1.8                     | —                                | —                     | 67,630            | 4.5                     | —                                |
| Miscellaneous non-food crops . . . . .       | 6,451,745         | 3,383,811         | 21.8                    | 56.9                             | 3,761,070             | 18,341            | 1.2                     | 2.3                              |
| Sugar cane . . . . .                         | 306,696           | 256,256           | 1.7                     | 83.6                             | 21,251                | 1,705             | 0.1                     | 8.0                              |
| Cotton . . . . .                             | 2,208,531         | 2,088,694         | 13.5                    | 94.6                             | 354,977               | 75                | 0.0                     | 0.0                              |
| <b>Total . . . . .</b>                       | <b>30,954,237</b> | <b>15,507,954</b> | <b>100.0</b>            | <b>50.1</b>                      | <b>18,620,944</b>     | <b>1,505,628</b>  | <b>100.0</b>            | <b>8.1</b>                       |

(1) Including areas under mixed crops.

## 24. — BRITISH INDIA. — TOTAL CROPS AND CROPS IRRIGATED IN 1929-30 (continued).

| CROPS                              | Bihar and Orissa  |                  |                         |                                  | Central Provinces and Berar |                  |                         |                                  |
|------------------------------------|-------------------|------------------|-------------------------|----------------------------------|-----------------------------|------------------|-------------------------|----------------------------------|
|                                    | Total Area        | Irrigated Area   |                         |                                  | Total Area                  | Irrigated Area   |                         |                                  |
|                                    |                   | Absolute data    | Percentage of the total | Ratio of irrigated to total area |                             | Absolute data    | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres             | acres            | %                       | %                                | acres                       | acres            | %                       | %                                |
| Wheat                              | 1,200,000         | 256,042          | 4.7                     | 21.3                             | 2,983,325                   | 38,282           | 3.7                     | 1.3                              |
| Barley                             | 1,350,000         | 117,086          | 2.7                     | 8.7                              | 15,865                      | 1,884            | 0.2                     | 11.9                             |
| Maize                              | 1,719,400         | 62,337           | 1.2                     | 3.6                              | 154,067                     | 212              | 0.0                     | 0.1                              |
| Millet (Cumbu or Bajra)            | 73,100            | 455              | 0.0                     | 0.6                              | 107,326                     | —                | —                       | —                                |
| Rice                               | 14,228,900        | 3,502,660        | 64.9                    | 24.6                             | 5,480,040                   | 900,250          | 86.4                    | 16.4                             |
| Sorghum (Chulam or Jowar)          | 83,300            | 3,500            | 0.1                     | 4.2                              | 4,292,941                   | 335              | 0.0                     | 0.0                              |
| Other food-grains including pulses | 7,275,900         | 1,050,252        | 19.6                    | 14.5                             | 6,523,582                   | 2,484            | 0.2                     | 0.0                              |
| Other crops for food               | 4,108,600         | 135,833          | 2.5                     | 6.5                              | 2,542,592                   | 71,331           | 6.8                     | 3.1                              |
| Miscellaneous non-food crops       | 278,800           | 130,674          | 2.4                     | 47.3                             | 6,924                       | 6,924            | 0.7                     | —                                |
| Sugar cane                         | 69,900            | 131,998          | 2.4                     | 67.3                             | 22,286                      | 20,366           | 2.0                     | 91.4                             |
| Cotton                             | —                 | 2,041            | 0.0                     | 2.9                              | 5,175,293                   | 109              | 0.0                     | 0.0                              |
| <b>Total</b>                       | <b>30,387,900</b> | <b>5,480,898</b> | <b>100.0</b>            | <b>17.8</b>                      | <b>27,297,317</b>           | <b>1,062,177</b> | <b>100.0</b>            | <b>3.8</b>                       |

  

| CROPS                              | Assam            |                |                         |                                  | North-West Frontier Province |                |                         |                                  |
|------------------------------------|------------------|----------------|-------------------------|----------------------------------|------------------------------|----------------|-------------------------|----------------------------------|
|                                    | Total Area       | Irrigated Area |                         |                                  | Total Area                   | Irrigated Area |                         |                                  |
|                                    |                  | Absolute data  | Percentage of the total | Ratio of irrigated to total area |                              | Absolute data  | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres            | acres          | %                       | %                                | acres                        | acres          | %                       | %                                |
| Wheat                              | —                | —              | —                       | —                                | 1,056,790                    | 510,238        | 31.8                    | 29.4                             |
| Barley                             | —                | —              | —                       | —                                | 220,948                      | 90,556         | 9.3                     | 41.0                             |
| Maize                              | —                | —              | —                       | —                                | 481,964                      | 267,881        | 27.5                    | 55.7                             |
| Millet (Cumbu or Bajra)            | —                | —              | —                       | —                                | 245,195                      | 10,367         | 1.0                     | 4.2                              |
| Rice                               | 4,229,698        | 552,940        | 99.7                    | 13.1                             | 31,789                       | 33,770         | 3.5                     | 99.9                             |
| Sorghum (Chulam or Jowar)          | —                | —              | —                       | —                                | 121,341                      | 20,449         | 2.1                     | 16.9                             |
| Other food-grains including pulses | 194,692          | 80             | 0.0                     | 0.0                              | 318,561                      | 28,884         | 3.0                     | 9.1                              |
| Other crops for food               | 1,640,278        | 1,800          | 0.3                     | 0.1                              | 339,633                      | 29,376         | 3.0                     | 42.8                             |
| Miscellaneous non-food crops       | 29,502           | 100            | 0.0                     | —                                | 50,740                       | 116,052        | 11.9                    | 99.9                             |
| Sugar cane                         | 41,189           | —              | —                       | —                                | 17,205                       | 16,237         | 1.7                     | 94.6                             |
| Cotton                             | —                | —              | —                       | —                                | —                            | —              | —                       | —                                |
| <b>Total</b>                       | <b>6,135,359</b> | <b>554,929</b> | <b>100.0</b>            | <b>9.0</b>                       | <b>2,885,266</b>             | <b>974,500</b> | <b>100.0</b>            | <b>33.8</b>                      |

  

| CROPS                              | Ajmer-Merwara  |                |                         |                                  | Mysore Pargana |                |                         |                                  |
|------------------------------------|----------------|----------------|-------------------------|----------------------------------|----------------|----------------|-------------------------|----------------------------------|
|                                    | Total Area     | Irrigated Area |                         |                                  | Total Area     | Irrigated Area |                         |                                  |
|                                    |                | Absolute data  | Percentage of the total | Ratio of irrigated to total area |                | Absolute data  | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres          | acres          | %                       | %                                | acres          | acres          | %                       | %                                |
| Wheat                              | 29,258         | 17,521         | 11.5                    | 59.9                             | 1,525          | 26             | 47.3                    | 1.7                              |
| Barley                             | 54,204         | 36,079         | 23.7                    | 66.5                             | 1              | 1              | 1.8                     | 100.0                            |
| Maize                              | 87,746         | 29,968         | 19.6                    | 34.2                             | 990            | —              | —                       | —                                |
| Millet (Cumbu or Bajra)            | 34,151         | 1,966          | 1.5                     | 5.8                              | 13             | —              | —                       | —                                |
| Rice                               | 803            | 26             | 0.0                     | 3.2                              | 111            | —              | —                       | —                                |
| Sorghum (Chulam or Jowar)          | 70,093         | 2,394          | 1.6                     | 3.4                              | 2,011          | —              | —                       | —                                |
| Other food-grains including pulses | 86,573         | 17,852         | 11.7                    | 20.6                             | 1,350          | —              | —                       | —                                |
| Other crops for food               | 51,380         | 10,463         | 6.9                     | 38.2                             | 329            | 22             | 40.0                    | 6.7                              |
| Miscellaneous non-food crops       | —              | 9,152          | 6.0                     | —                                | —              | 6              | 10.9                    | 100.0                            |
| Sugar cane                         | —              | 156            | 0.1                     | 40.7                             | —              | —              | —                       | —                                |
| Cotton                             | 34,008         | 26,624         | 17.6                    | 78.9                             | 1,075          | —              | —                       | —                                |
| <b>Total</b>                       | <b>485,689</b> | <b>152,401</b> | <b>100.0</b>            | <b>34.0</b>                      | <b>7,411</b>   | <b>55</b>      | <b>100.0</b>            | <b>6.7</b>                       |

## 24. — BRITISH INDIA. — TOTAL CROPS AND CROPS IRRIGATED IN 1929-30 (concluded).

| CROPS                              | Coast          |                |                         |                                  | Delhi          |                |                         |                                  |
|------------------------------------|----------------|----------------|-------------------------|----------------------------------|----------------|----------------|-------------------------|----------------------------------|
|                                    | Total Area     | Irrigated Area |                         |                                  | Total Area     | Irrigated Area |                         |                                  |
|                                    |                | Absolute data  | Percentage of the total | Ratio of irrigated to total area |                | Absolute data  | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres          | acres          | %                       | %                                | acres          | acres          | %                       | %                                |
| Wheat                              | —              | —              | —                       | —                                | 33,533         | 27,122         | 34.4                    | 80.9                             |
| Barley                             | —              | —              | —                       | —                                | 14,203         | 11,877         | 15.1                    | 83.6                             |
| Maize                              | —              | —              | —                       | —                                | 3,164          | 1,683          | 2.1                     | 53.2                             |
| Millet (Cumbu or Bajra)            | —              | —              | —                       | —                                | 72,437         | 3,159          | 4.0                     | 4.4                              |
| Rice                               | 81,087         | 3,603          | 100.0                   | 4.3                              | 37             | 35             | 0.0                     | 94.6                             |
| Sorghum (Chulam or Jowar)          | —              | —              | —                       | —                                | 30,274         | 3,324          | 4.2                     | 11.0                             |
| Other food-grains including pulses | 4,516          | —              | —                       | —                                | 10,174         | 7,012          | 8.9                     | 68.9                             |
| Other crops for food               | 51,199         | —              | —                       | —                                | 41,359         | 6,353          | 8.1                     | 47.2                             |
| Miscellaneous non-food crops       | —              | —              | —                       | —                                | 13,142         | 15,142         | 16.7                    | —                                |
| Sugar cane                         | —              | —              | —                       | —                                | 2,580          | 2,556          | 3.3                     | 98.8                             |
| Cotton                             | —              | —              | —                       | —                                | 2,763          | 2,485          | 3.2                     | 89.9                             |
| <b>Total</b>                       | <b>138,628</b> | <b>3,603</b>   | <b>100.0</b>            | <b>2.6</b>                       | <b>210,532</b> | <b>78,768</b>  | <b>100.0</b>            | <b>37.4</b>                      |

  

| CROPS                              | TOTAL BRITISH INDIA |                   |                         |                                  |
|------------------------------------|---------------------|-------------------|-------------------------|----------------------------------|
|                                    | Total Area          | Irrigated Area    |                         |                                  |
|                                    |                     | Absolute data     | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres               | acres             | %                       | %                                |
| Wheat                              | 24,809,419          | 10,651,943        | 19.4                    | 42.9                             |
| Barley                             | 7,058,744           | 2,963,938         | 5.4                     | 42.0                             |
| Maize                              | 6,557,237           | 1,250,472         | 2.3                     | 19.1                             |
| Millet (Cumbu or Bajra)            | 13,291,242          | 1,515,055         | 2.7                     | 11.4                             |
| Rice                               | 29,509,851          | 18,792,609        | 34.2                    | 25.6                             |
| Sorghum (Chulam or Jowar)          | 23,240,828          | 1,633,966         | 3.0                     | 7.1                              |
| Other food-grains including pulses | 45,883,079          | 6,468,768         | 11.8                    | 14.1                             |
| Other crops for food               | 41,766,322          | 1,638,977         | 3.0                     | 16.1                             |
| Miscellaneous non-food crops       | —                   | 5,090,348         | 9.3                     | —                                |
| Sugar cane                         | 2,423,191           | 1,691,465         | 3.1                     | 69.8                             |
| Cotton                             | 16,141,820          | 3,205,049         | 5.8                     | 19.9                             |
| <b>Total</b>                       | <b>260,680,942</b>  | <b>54,923,581</b> | <b>100.0</b>            | <b>21.1</b>                      |

## 25. — INDIAN STATES. — TOTAL CROPS AND CROPS IRRIGATED IN 1929-30.

| CROPS                              | HYDERABAD         |                  |                         |                                  | MISOR                |                  |                         |                                  |
|------------------------------------|-------------------|------------------|-------------------------|----------------------------------|----------------------|------------------|-------------------------|----------------------------------|
|                                    | Total Area        | Irrigated Area   |                         |                                  | Total Area           | Irrigated Area   |                         |                                  |
|                                    |                   | Absolute data    | Percentage of the total | Ratio of irrigated to total area |                      | Absolute data    | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres             | acres            | %                       | %                                | acres                | acres            | %                       | %                                |
| Wheat                              | 1,063,211         | 69,055           | 7.5                     | 9.3                              | 3,826                | 3,826            | 0.3                     | 100.0                            |
| Barley                             | 48,135            | 25,618           | 1.9                     | 53.2                             | —                    | —                | —                       | —                                |
| Maize                              | 880,283           | 47,528           | 5.1                     | 7.7                              | 206                  | 1,421            | 0.1                     | —                                |
| Millet (Cumbu or Bajra)            | 2,113,352         | 25,666           | 1.9                     | 1.2                              | 50,714               | 792              | 0.1                     | 1.6                              |
| Rice                               | 489,957           | 447,401          | 93.7                    | 91.3                             | 720,825              | 707,822          | 65.1                    | 98.2                             |
| Sorghum (Cholum or Jowar)          | 8,873,894         | 286,995          | 15.1                    | 2.3                              | 759,700              | 46,897           | 4.2                     | 6.2                              |
| Other food-grains including pulses | 5,082,549         | 177,622          | 13.4                    | 3.5                              | 3,891,523            | 162,205          | 14.5                    | 4.2                              |
| Other crops for food               | 7,076,579         | 186,429          | 14.0                    | 3.1                              | 1,381,774            | 65,165           | 5.8                     | 11.1                             |
| Miscellaneous non-food crops       | —                 | 35,610           | 2.7                     | —                                | —                    | 88,291           | 7.9                     | —                                |
| Sugar cane                         | 53,263            | 34,801           | 7.6                     | 104.6                            | 33,186               | 33,251           | 3.0                     | —                                |
| Cotton                             | 3,209,509         | 27,650           | 2.1                     | 0.9                              | 75,188               | 11,244           | 1.0                     | 15.6                             |
| <b>Total</b>                       | <b>28,821,132</b> | <b>1,328,335</b> | <b>100.0</b>            | <b>4.6</b>                       | <b>6,856,942</b>     | <b>1,121,372</b> | <b>100.0</b>            | <b>16.4</b>                      |
| CROPS                              | BANGALORE         |                  |                         |                                  | GUJARAT              |                  |                         |                                  |
|                                    | Total Area        | Irrigated Area   |                         |                                  | Total Area           | Irrigated Area   |                         |                                  |
|                                    |                   | Absolute data    | Percentage of the total | Ratio of irrigated to total area |                      | Absolute data    | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres             | acres            | %                       | %                                | acres                | acres            | %                       | %                                |
| Wheat                              | 72,617            | 61,546           | 44.0                    | 84.9                             | 738,242              | 104,363          | 39.4                    | 14.1                             |
| Barley                             | —                 | —                | —                       | —                                | 63,484               | 41,010           | 15.5                    | 64.6                             |
| Maize                              | —                 | —                | —                       | —                                | 153,386              | 9,223            | 3.5                     | 6.0                              |
| Millet (Cumbu or Bajra)            | 628,433           | —                | —                       | —                                | 226,569              | 364              | 0.1                     | 0.1                              |
| Rice                               | 206,845           | 5,107            | 3.7                     | 2.5                              | 30,549               | 8,172            | 3.1                     | 26.8                             |
| Sorghum (Cholum or Jowar)          | 560,085           | —                | —                       | —                                | 1,307,173            | 3,644            | 1.4                     | 8.3                              |
| Other food-grains including pulses | 514,463           | 15,812           | 11.5                    | 3.1                              | 870,312              | 10,410           | 3.0                     | 1.2                              |
| Other crops for food               | 429,234           | 24,215           | 17.6                    | 12.3                             | 35,857               | 39,685           | 15.1                    | 13.5                             |
| Miscellaneous non-food crops       | —                 | 28,636           | 20.8                    | —                                | 557,024              | —                | —                       | —                                |
| Sugar cane                         | 2,188             | 2,086            | 1.5                     | 95.3                             | 5,598                | 5,469            | 2.1                     | 97.7                             |
| Cotton                             | 828,611           | —                | —                       | —                                | 508,160              | 6,715            | 2.5                     | 1.3                              |
| <b>Total</b>                       | <b>3,242,476</b>  | <b>137,502</b>   | <b>100.0</b>            | <b>4.2</b>                       | <b>4,510,487</b>     | <b>264,712</b>   | <b>100.0</b>            | <b>5.0</b>                       |
| CROPS                              | KASHMIR           |                  |                         |                                  | MADRAS STATES        |                  |                         |                                  |
|                                    | Total Area        | Irrigated Area   |                         |                                  | Total Area           | Irrigated Area   |                         |                                  |
|                                    |                   | Absolute data    | Percentage of the total | Ratio of irrigated to total area |                      | Absolute data    | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres             | acres            | %                       | %                                | acres                | acres            | %                       | %                                |
| Wheat                              | 480,632           | 81,512           | 10.6                    | 17.0                             | 187                  | 151              | 0.0                     | 70.1                             |
| Barley                             | 78,246            | 21,990           | 2.8                     | 27.3                             | 240                  | 7                | 0.0                     | 2.9                              |
| Maize                              | 555,819           | 76,350           | 9.9                     | 13.7                             | 288                  | 118              | 0.0                     | 41.0                             |
| Millet (Cumbu or Bajra)            | 188,366           | 3,134            | 0.4                     | 2.9                              | 9,576                | 526              | 0.0                     | 5.5                              |
| Rice                               | 422,965           | 390,589          | 92.3                    | 92.3                             | 1,076,224            | 245,360          | 15.1                    | 22.8                             |
| Sorghum (Cholum or Jowar)          | 31,092            | 26,667           | 3.4                     | 85.8                             | 84,776               | 3,732            | 0.2                     | 3.9                              |
| Other food-grains including pulses | 245,307           | 82,865           | 10.8                    | 33.8                             | 177,374              | 582,872          | 35.9                    | 328.6                            |
| Other crops for food               | —                 | 43,966           | 5.7                     | —                                | 600,250              | —                | —                       | —                                |
| Miscellaneous non-food crops       | 213,562           | 34,862           | 4.6                     | 36.9                             | 1,393,036            | 111,519          | 6.9                     | 56.6                             |
| Sugar cane                         | 7,047             | 3,293            | 0.4                     | 46.7                             | 10,459               | 603              | 0.0                     | 6.3                              |
| Cotton                             | 18,681            | 4,321            | 0.6                     | 23.1                             | 33,959               | 161              | 0.0                     | 0.5                              |
| <b>Total</b>                       | <b>2,161,737</b>  | <b>768,360</b>   | <b>100.0</b>            | <b>35.5</b>                      | <b>(1) 3,162,906</b> | <b>1,624,999</b> | <b>100.0</b>            | <b>52.4</b>                      |

(1) Including 316,387 acres for which details are not available.

## 25. — INDIAN STATES. — TOTAL CROPS AND CROPS IRRIGATED IN 1929-30 (continued).

| CROPS                              | CENTRAL INDIA STATES |                      |                         |                                  | RAJPUTANA STATES        |                    |                         |                                  |
|------------------------------------|----------------------|----------------------|-------------------------|----------------------------------|-------------------------|--------------------|-------------------------|----------------------------------|
|                                    | Total Area           | Irrigated Area       |                         |                                  | Total Area              | Irrigated Area     |                         |                                  |
|                                    |                      | Absolute data        | Percentage of the total | Ratio of irrigated to total area |                         | Absolute data      | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres                | acres                | %                       | %                                | acres                   | acres              | %                       | %                                |
| Wheat                              | 1,086,398            | 75,629               | 25.0                    | 7.0                              | 738,014                 | 325,282            | 25.7                    | 44.6                             |
| Barley                             | 60,896               | 49,867               | 16.5                    | 81.9                             | 479,335                 | 248,817            | 17.3                    | 50.2                             |
| Maize                              | 138,052              | 3,508                | 1.2                     | 2.5                              | 175,569                 | 82,585             | 5.9                     | 47.0                             |
| Millet (Cumbu or Bajra)            | 161,658              | 2                    | 0.0                     | 0.0                              | 1,547,093               | 56,926             | 4.1                     | 3.7                              |
| Rice                               | 85,829               | 21,144               | 7.0                     | 24.9                             | 5,828                   | 2,111              | 0.2                     | 36.2                             |
| Sorghum (Cholum or Jowar)          | 1,064,039            | 52                   | 0.0                     | 0.0                              | 1,222,689               | 54,651             | 3.9                     | 4.4                              |
| Other food-grains including pulses | 625,709              | 19,693               | 6.5                     | 3.1                              | 1,107,964               | 231,274            | 16.6                    | 20.9                             |
| Other crops for food               | —                    | 96,418               | 31.9                    | —                                | —                       | 175,393            | 12.6                    | —                                |
| Miscellaneous non-food crops       | 839,033              | 24,108               | 8.0                     | 14.4                             | 1,335,680               | 123,188            | 8.8                     | 22.4                             |
| Sugar cane                         | —                    | 9,914                | 3.3                     | 101.8                            | 4,558                   | 4,216              | 0.3                     | 92.5                             |
| Cotton                             | 1,002,076            | 1,994                | 0.6                     | 0.2                              | 239,109                 | 91,506             | 6.6                     | 38.3                             |
| <b>Total</b>                       | <b>5,972,628</b>     | <b>302,334</b>       | <b>100.0</b>            | <b>6.0</b>                       | <b>6,855,629</b>        | <b>1,391,349</b>   | <b>100.0</b>            | <b>20.3</b>                      |
| CROPS                              | PUNJAB AGENCY STATES |                      |                         |                                  | PUNJAB STATES           |                    |                         |                                  |
|                                    | Total Area           | Irrigated Area       |                         |                                  | Total Area              | Irrigated Area     |                         |                                  |
|                                    |                      | Absolute data        | Percentage of the total | Ratio of irrigated to total area |                         | Absolute data      | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres                | acres                | %                       | %                                | acres                   | acres              | %                       | %                                |
| Wheat                              | 1,232,668            | 670,736              | 29.2                    | 70.6                             | 104,543                 | 35,105             | 24.6                    | 33.6                             |
| Barley                             | 289,457              | 110,234              | 3.7                     | 38.2                             | 35,995                  | 2,279              | 1.6                     | 6.3                              |
| Maize                              | 226,661              | 96,739               | 3.3                     | 42.7                             | 60,953                  | 1,158              | 0.8                     | 1.9                              |
| Millet (Cumbu or Bajra)            | 795,445              | 124,869              | 4.2                     | 15.7                             | 26,047                  | 257                | 0.2                     | 1.0                              |
| Rice                               | 96,757               | 66,425               | 2.2                     | 68.7                             | 21,259                  | 1,459              | 1.0                     | 6.9                              |
| Sorghum (Cholum or Jowar)          | 106,019              | 102,345              | 3.4                     | 35.4                             | 9,669                   | 143                | 0.1                     | 1.5                              |
| Other food-grains including pulses | 1,160,096            | 494,812              | 16.6                    | 42.7                             | 105,766                 | 30,818             | 21.6                    | 29.7                             |
| Other crops for food               | 1,475,525            | 210,555              | 7.1                     | 58.0                             | 69,018                  | 62,482             | 43.8                    | 102.1                            |
| Miscellaneous non-food crops       | —                    | 645,247              | 21.6                    | —                                | —                       | 7,999              | 5.6                     | —                                |
| Sugar cane                         | 27,181               | 10,281               | 0.3                     | 37.8                             | 1,353                   | 303                | 0.2                     | 22.4                             |
| Cotton                             | 360,977              | 249,081              | 8.4                     | 69.0                             | 7,576                   | 725                | 0.5                     | 9.8                              |
| <b>Total</b>                       | <b>(1) 6,065,947</b> | <b>(2) 3,603,878</b> | <b>100.0</b>            | <b>49.5</b>                      | <b>439,889</b>          | <b>142,728</b>     | <b>100.0</b>            | <b>32.4</b>                      |
| CROPS                              | BOMBAY STATES        |                      |                         |                                  | UNITED PROVINCES STATES |                    |                         |                                  |
|                                    | Total Area           | Irrigated Area       |                         |                                  | Total Area              | Irrigated Area     |                         |                                  |
|                                    |                      | Absolute data        | Percentage of the total | Ratio of irrigated to total area |                         | Absolute data      | Percentage of the total | Ratio of irrigated to total area |
|                                    | acres                | acres                | %                       | %                                | acres                   | acres              | %                       | %                                |
| Wheat                              | 164,510              | 33,898               | 40.4                    | 20.6                             | 115,176                 | 27,491             | 20.7                    | 23.9                             |
| Barley                             | 585                  | 108                  | 0.1                     | 18.5                             | 58,188                  | 14,887             | 11.2                    | 25.6                             |
| Maize                              | 3,257                | 695                  | 0.8                     | 21.3                             | 80,685                  | 20                 | 0.0                     | 0.0                              |
| Millet (Cumbu or Bajra)            | 593,030              | 74                   | 0.1                     | 0.0                              | 41,624                  | 11                 | 0.0                     | 0.0                              |
| Rice                               | 24,498               | 121                  | 0.1                     | 0.5                              | 144,103                 | 50,640             | 38.0                    | 35.1                             |
| Sorghum (Cholum or Jowar)          | 581,186              | 6,653                | 2.9                     | 1.1                              | 36,369                  | 24                 | 0.0                     | 0.1                              |
| Other food-grains including pulses | 30,967               | 22,875               | 27.3                    | 73.9                             | 201,348                 | 21,913             | 16.5                    | 10.9                             |
| Other crops for food               | —                    | 7,250                | 8.7                     | —                                | —                       | 4,022              | 3.0                     | —                                |
| Miscellaneous non-food crops       | 128,999              | 1,208                | 9.1                     | 11.5                             | 59,849                  | 1,667              | 1.3                     | 9.5                              |
| Sugar cane                         | 1,935                | 1,208                | 2.0                     | 88.1                             | 20,997                  | 12,352             | 9.3                     | 58.8                             |
| Cotton                             | 261,423              | 2,919                | 3.5                     | 1.1                              | 12,857                  | 59                 | 0.0                     | 0.5                              |
| <b>Total</b>                       | <b>1,790,392</b>     | <b>(3) 91,185</b>    | <b>100.0</b>            | <b>5.1</b>                       | <b>(4) 1,054,234</b>    | <b>(5) 152,571</b> | <b>100.0</b>            | <b>14.5</b>                      |

(1) Including 96,061 acres for which details are not available. — (2) Including 22,556 acres for which details are not available. — (3) Including 7,284 acres for which details are not available. — (4) Including 283,038 acres for which details are not available. — (5) Including 19,685 acres for which details are not available.

## 25. — INDIAN STATES. — TOTAL CROPS AND CROPS IRRIGATED IN 1929-30 (concluded).

| CROPS  | TOTAL INDIAN STATES |                |                         |                                  |
|--|---------------------|----------------|-------------------------|----------------------------------|
|  | Total Area          | Irrigated Area |                         |                                  |
|  |                     | Absolute data  | Percentage of the total | Ratio of irrigated to total area |
| acres  | acres               | %              | %                       |                                  |
| Wheat . . . . .                              | 5,800,044           | 1,722,674      | 16.7                    | 29.7                             |
| Barley . . . . .                             | 1,313,471           | 506,217        | 4.9                     | 45.5                             |
| Maize . . . . .                              | 2,275,159           | 339,345        | 3.3                     | 14.9                             |
| Millet (Cumbu or Bajra) . . . . .            | 6,351,857           | 212,621        | 2.1                     | 3.3                              |
| Rice . . . . .                               | 3,324,859           | 1,946,362      | 18.9                    | 58.5                             |
| Sorghum (Cholam or Jowar) . . . . .          | 14,786,693          | 444,161        | 4.3                     | 3.0                              |
| Other food-grains including pulses . . . . . | 13,951,378          | 1,853,174      | 18.0                    | 13.1                             |
| Other crops for food . . . . .               | 14,959,363          | 1,591,642      | 15.5                    | 18.3                             |
| Miscellaneous non-food crops . . . . .       |                     | 1,148,632      | 11.2                    |                                  |
| Sugarcane . . . . .                          | 157,503             | 118,337        | 1.2                     | 75.1                             |
| Cotton . . . . .                             | 6,558,326           | 396,835        | 3.9                     | 6.1                              |
| Total . . . . .                              | (1) 69,974,089      | (2) 10,280,000 | 100.0                   | 14.7                             |

(1) Including 695,486 acres for which details are not available. — (2) Not including 49,325 acres for which details are not available.

26. — BRITISH INDIA. — PLOUGHS AND CARTS IN 1930.  
(NUMBER)

| DESCRIPTION       | MADRAS            | BOMBAY           | BEYDAL                      | UNITED PROVINCES | PUNJAB                       |
|-------------------|-------------------|------------------|-----------------------------|------------------|------------------------------|
|                   | Ploughs . . . . . | 4,475,850        | 1,585,342                   | 4,592,215        | 5,053,213                    |
| Carts . . . . .   | 1,255,009         | 783,963          | 859,870                     | 997,996          | 339,058                      |
|                   | BURMA             | BIHAR AND ORISSA | CENTRAL PROVINCES AND BIHAR | ASSAM            | NORTH-WEST FRONTIER PROVINCE |
| Ploughs . . . . . | 813,717           | 3,542,435        | 1,667,574                   | 1,166,762        | 214,555                      |
| Carts . . . . .   | 732,958           | 625,394          | 1,135,661                   | 76,697           | 5,965                        |
|                   | AGHRA-MERWARA     | MARWAR PARLANA   | COORG                       | DELHI            | TOTAL                        |
| Ploughs . . . . . | 47,904            | 695              | 28,684                      | 16,371           | 25,527,658                   |
| Carts . . . . .   | 16,743            | 457              | 1,428                       | 7,446            | 6,818,673                    |

27. — INDIAN STATES. — PLOUGHS AND CARTS IN 1930.  
(NUMBER)

| DESCRIPTION       | HYDERABAD            | MYSORE               | BARDIA                  | GWALIOR              | KASHMIR |
|-------------------|----------------------|----------------------|-------------------------|----------------------|---------|
|                   | Ploughs . . . . .    | 1,332,036            | 866,972                 | 172,734              | 400,328 |
| Carts . . . . .   | 560,740              | 273,213              | 74,655                  | 127,212              | 732     |
|                   | MADRAS STATES        | CENTRAL INDIA STATES | RAJPUTANA STATES        | PUNJAB AGENCY STATES |         |
| Ploughs . . . . . | 326,814              | 575,997              | 968,188                 | 397,898              |         |
| Carts . . . . .   | 41,255               | 193,693              | 251,346                 | 92,069               |         |
|                   | WESTERN INDIA STATES | BOMBAY STATES        | UNITED PROVINCES STATES | TOTAL                |         |
| Ploughs . . . . . | 299,040              | 23,805               | 156,176                 | 5,827,659            |         |
| Carts . . . . .   | 179,697              | 9,673                | 17,291                  | 1,620,976            |         |

## 28. — BRITISH INDIA. — LIVESTOCK IN JANUARY 1930.

(NUMBER)

| DESCRIPTION       | MADRAS            | BOMBAY                  | BENGAL                             | UNITED PROVINCES  | PUNJAB                              |
|-------------------|-------------------|-------------------------|------------------------------------|-------------------|-------------------------------------|
| <b>Horses:</b>    |                   |                         |                                    |                   |                                     |
| Colts and fillies | 3,044             | 23,672                  | 9,396                              | 70,383            | 70,541                              |
| Horses            | 24,761            | 95,496                  | 69,955                             | 205,475           | 118,311                             |
| Mares             | 11,954            | 76,188                  | 34,182                             | 191,132           | 222,966                             |
| <b>Total</b>      | <b>39,759</b>     | <b>195,356</b>          | <b>113,553</b>                     | <b>466,990</b>    | <b>411,818</b>                      |
| <b>Mules</b>      | <b>765</b>        | <b>5,469</b>            | <b>1,055</b>                       | <b>18,250</b>     | <b>31,812</b>                       |
| <b>Asses</b>      | <b>131,104</b>    | <b>188,170</b>          | <b>1,247</b>                       | <b>253,060</b>    | <b>604,641</b>                      |
| <b>Camels</b>     | <b>13</b>         | <b>182,208</b>          | <b>272</b>                         | <b>26,014</b>     | <b>279,203</b>                      |
| <b>CATTLE:</b>    |                   |                         |                                    |                   |                                     |
| Calves            | 3,423,254         | 2,310,230               | 6,402,939                          | 6,578,946         | 2,708,481                           |
| Cows              | 5,622,356         | 2,736,924               | 8,250,610                          | 6,232,522         | 2,418,444                           |
| Bulls             | 1,400,635         | 518,754                 | 1,155,859                          | 23,669            | 10,659                              |
| Bullocks          | 6,801,071         | 3,433,531               | 8,389,464                          | 10,071,103        | 3,939,231                           |
| <b>Total</b>      | <b>16,447,316</b> | <b>8,999,441</b>        | <b>24,198,872</b>                  | <b>22,906,240</b> | <b>9,076,815</b>                    |
| <b>BUFFALOES:</b> |                   |                         |                                    |                   |                                     |
| Calves            | 1,872,626         | 1,075,500               | 122,963                            | 3,690,095         | 2,101,950                           |
| Cows              | 2,765,694         | 1,504,066               | 275,989                            | 4,081,515         | 2,727,264                           |
| Male buffaloes    | 1,354,894         | 216,560                 | 689,140                            | 780,984           | 388,100                             |
| <b>Total</b>      | <b>5,993,414</b>  | <b>2,796,546</b>        | <b>1,088,112</b>                   | <b>8,552,594</b>  | <b>5,217,314</b>                    |
| <b>SHEEP</b>      | <b>12,864,343</b> | <b>2,562,070</b>        | <b>613,677</b>                     | <b>2,230,887</b>  | <b>4,457,786</b>                    |
| <b>GOATS</b>      | <b>7,406,018</b>  | <b>3,859,368</b>        | <b>5,435,252</b>                   | <b>6,563,003</b>  | <b>3,676,792</b>                    |
|                   | <b>BIHAR</b>      | <b>BIHAR AND ORISSA</b> | <b>CENTRAL PROVINCES AND BIHAR</b> | <b>ASSAM</b>      | <b>NORTH-WEST FRONTIER PROVINCE</b> |
| <b>Horses:</b>    |                   |                         |                                    |                   |                                     |
| Colts and fillies | 10,346            | 21,223                  | 26,834                             | 2,298             | 1,330                               |
| Horses            | 29,444            | 112,848                 | 68,496                             | 13,572            | 11,810                              |
| Mares             | 33,534            | 40,074                  | 55,450                             | 6,926             | 11,209                              |
| <b>Total</b>      | <b>73,324</b>     | <b>194,145</b>          | <b>150,780</b>                     | <b>22,796</b>     | <b>24,349</b>                       |
| <b>Mules</b>      | <b>1,705</b>      | <b>868</b>              | <b>1,053</b>                       | <b>117</b>        | <b>13,399</b>                       |
| <b>Asses</b>      | <b>180</b>        | <b>31,509</b>           | <b>41,614</b>                      | <b>81</b>         | <b>115,899</b>                      |
| <b>Camels</b>     | <b>—</b>          | <b>352</b>              | <b>658</b>                         | <b>—</b>          | <b>35,125</b>                       |
| <b>CATTLE:</b>    |                   |                         |                                    |                   |                                     |
| Calves            | 1,055,365         | 4,678,466               | 3,264,280                          | 1,440,330         | 184,987                             |
| Cows              | 1,467,349         | 5,792,528               | 4,127,671                          | 1,658,158         | 277,380                             |
| Bulls             | 681,115           | 141,967                 | 363,025                            | 315,235           | 1,504                               |
| Bullocks          | 1,961,418         | 7,021,339               | 4,318,021                          | 1,683,914         | 374,239                             |
| <b>Total</b>      | <b>5,165,247</b>  | <b>17,634,300</b>       | <b>12,073,203</b>                  | <b>5,096,137</b>  | <b>640,120</b>                      |
| <b>BUFFALOES:</b> |                   |                         |                                    |                   |                                     |
| Calves            | 280,252           | 1,088,355               | 779,706                            | 125,844           | 77,240                              |
| Cows              | 405,740           | 1,625,792               | 943,204                            | 221,726           | 146,715                             |
| Male buffaloes    | 353,665           | 959,433                 | 581,635                            | 217,526           | 14,571                              |
| <b>Total</b>      | <b>1,039,657</b>  | <b>3,673,580</b>        | <b>2,304,545</b>                   | <b>565,096</b>    | <b>241,026</b>                      |
| <b>Sheep</b>      | <b>69,779</b>     | <b>1,253,220</b>        | <b>625,600</b>                     | <b>46,484</b>     | <b>486,417</b>                      |
| <b>Goats</b>      | <b>255,836</b>    | <b>5,545,322</b>        | <b>1,866,906</b>                   | <b>698,033</b>    | <b>454,354</b>                      |

## 28. — BRITISH INDIA. — LIVESTOCK IN JANUARY 1930 (concluded).

(NUMBER)

| DESCRIPTION       | AJMER-MERWARA  | MADHIA PRADESH | COORG          | DELHI         | TOTAL BRITISH INDIA |
|-------------------|----------------|----------------|----------------|---------------|---------------------|
| <b>Horses:</b>    |                |                |                |               |                     |
| Colts and fillies | 577            | 8              | 4              | 155           | 239,811             |
| Horses            | 1,679          | 14             | 231            | 2,395         | 754,679             |
| Mares             | 1,897          | 36             | 52             | 1,377         | 706,977             |
| <b>Total</b>      | <b>4,153</b>   | <b>58</b>      | <b>287</b>     | <b>3,027</b>  | <b>1,701,467</b>    |
| <b>Mules</b>      | <b>3</b>       | <b>—</b>       | <b>—</b>       | <b>655</b>    | <b>75,131</b>       |
| <b>Asses</b>      | <b>7,399</b>   | <b>30</b>      | <b>149</b>     | <b>4,918</b>  | <b>1,379,911</b>    |
| <b>Camels</b>     | <b>1,828</b>   | <b>1</b>       | <b>—</b>       | <b>252</b>    | <b>525,926</b>      |
| <b>CATTLE:</b>    |                |                |                |               |                     |
| Calves            | 80,407         | 1,731          | 30,968         | 27,602        | 32,187,992          |
| Cows              | 139,170        | 2,019          | 39,940         | 21,875        | 38,785,462          |
| Bulls             | 24,035         | 388            | 2,412          | 339           | 4,640,098           |
| Bullocks          | 98,994         | 1,739          | 43,619         | 33,266        | 47,370,969          |
| <b>Total</b>      | <b>342,606</b> | <b>5,877</b>   | <b>116,639</b> | <b>82,280</b> | <b>122,984,521</b>  |
| <b>BUFFALOES:</b> |                |                |                |               |                     |
| Calves            | 41,327         | 344            | 4,171          | 21,025        | 11,282,514          |
| Cows              | 53,943         | 670            | 6,838          | 23,381        | 14,784,537          |
| Male buffaloes    | 8,516          | 26             | 11,514         | 753           | 5,577,525           |
| <b>Total</b>      | <b>103,786</b> | <b>1,040</b>   | <b>22,523</b>  | <b>45,159</b> | <b>31,644,576</b>   |
| <b>Sheep</b>      | <b>339,097</b> | <b>—</b>       | <b>143</b>     | <b>10,169</b> | <b>25,539,692</b>   |
| <b>Goats</b>      | <b>231,094</b> | <b>793</b>     | <b>2,736</b>   | <b>27,742</b> | <b>35,943,049</b>   |

## 29. — INDIAN STATES. — LIVESTOCK IN JANUARY 1930.

(NUMBER)

| DESCRIPTION       | HYDERABAD        | MYSORE           | BAMONA         | GWALIOR          | KASHMIR          |
|-------------------|------------------|------------------|----------------|------------------|------------------|
| <b>Horses:</b>    |                  |                  |                |                  |                  |
| Colts and fillies | 32,176           | 667              | 1,570          | 14,697           | 8,178            |
| Horses            | 62,577           | 7,331            | 4,860          | 21,201           | 21,201           |
| Mares             | 69,051           | 7,239            | 6,316          | 34,152           | 34,152           |
| <b>Total</b>      | <b>163,804</b>   | <b>15,237</b>    | <b>12,746</b>  | <b>70,050</b>    | <b>63,531</b>    |
| <b>Mules</b>      | <b>1,431</b>     | <b>737</b>       | <b>18</b>      | <b>1,804</b>     | <b>5,239</b>     |
| <b>Asses</b>      | <b>75,409</b>    | <b>40,095</b>    | <b>28,690</b>  | <b>24,721</b>    | <b>17,574</b>    |
| <b>Camels</b>     | <b>1,424</b>     | <b>24</b>        | <b>4,777</b>   | <b>6,184</b>     | <b>1,870</b>     |
| <b>CATTLE:</b>    |                  |                  |                |                  |                  |
| Calves            | 2,647,933        | 915,099          | 25,577         | 852,599          | 274,853          |
| Cows              | 2,847,390        | 1,596,909        | 216,076        | 976,766          | 734,835          |
| Bulls             | 758,567          | 251,056          | 8,000          | 111,049          | 573              |
| Bullocks          | 3,407,443        | 1,285,126        | 403,792        | 836,792          | 613,395          |
| <b>Total</b>      | <b>9,661,333</b> | <b>4,058,190</b> | <b>653,345</b> | <b>2,777,206</b> | <b>1,623,656</b> |
| <b>BUFFALOES:</b> |                  |                  |                |                  |                  |
| Calves            | 1,282,163        | 272,774          | 45,569         | 375,808          | 302,579          |
| Cows              | 1,240,132        | 482,951          | 325,538        | 452,569          | 452,569          |
| Male buffaloes    | 580,637          | 87,773           | 5,519          | 12,376           | 62,809           |
| <b>Total</b>      | <b>3,102,932</b> | <b>843,498</b>   | <b>376,626</b> | <b>840,753</b>   | <b>365,397</b>   |
| <b>Sheep</b>      | <b>5,744,347</b> | <b>2,821,320</b> | <b>120,878</b> | <b>184,895</b>   | <b>2,332,145</b> |
| <b>Goats</b>      | <b>3,054,675</b> | <b>1,593,569</b> | <b>195,929</b> | <b>599,973</b>   | <b>—</b>         |



## 29. — INDIAN STATES. — LIVESTOCK IN JANUARY 1930 (concluded).

(NUMBER)

| DESCRIPTION       | MAHARASHTRA STATES   | CENTRAL INDIA STATES | RAJPUTANA STATES        | PUNJAB AGENCY STATES |
|-------------------|----------------------|----------------------|-------------------------|----------------------|
|                   | WESTERN INDIA STATES | BOMBAY STATES        | UNITED PROVINCES STATES | TOTAL INDIAN STATES  |
| <b>HORSES:</b>    |                      |                      |                         |                      |
| Colts and fillies | 30                   | 18,044               | 17,743                  | 4,747                |
| Horses            | 539                  | 30,570               | 33,381                  | 11,557               |
| Mares             | 334                  | 45,558               | 46,078                  | 26,554               |
| Total             | 903                  | 94,172               | 97,202                  | 36,858               |
| <b>MULES</b>      |                      | 427                  | 693                     | 2,353                |
| <b>ASSES</b>      | 1,189                | 26,442               | 150,459                 | 78,699               |
| <b>CAMELS</b>     | 2                    | 3,549                | 305,682                 | 88,025               |
| <b>CATTLE:</b>    |                      |                      |                         |                      |
| Calves            | 322,924              | 1,332,725            | 2,148,443               | 532,846              |
| Cows              | 540,011              | 1,550,590            | 3,365,485               | 578,771              |
| Bulls             | 13,171               | 157,538              | 184,489                 | 256,203              |
| Bullocks          | 454,697              | 1,344,221            | 1,900,313               | 551,248              |
| Total             | 1,330,803            | 4,385,074            | 7,638,729               | 7,919,128            |
| <b>BUFFALOES:</b> |                      |                      |                         |                      |
| Calves            | 24,520               | 449,296              | 657,376                 | 343,648              |
| Cows              | 54,813               | 622,876              | 981,432                 | 442,421              |
| Male buffaloes    | 102,908              | 51,950               | 98,553                  | 29,729               |
| Total             | 182,241              | 1,124,122            | 1,738,361               | 815,799              |
| <b>SHEEP</b>      | 491,977              | 266,779              | 4,313,224               | 992,418              |
| <b>GOATS</b>      | 213,582              | 911,687              | 4,388,907               | 784,749              |
| <b>Horses:</b>    | 13,671               | 169                  | 748                     | 112,440              |
| Colts and fillies | 21,038               | 1,004                | 5,107                   | 198,957              |
| Horses            | 34,458               | 871                  | 2,673                   | 142,839              |
| Mares             | 69,147               | 2,044                | 8,528                   | 694,236              |
| <b>Mules</b>      | 139                  | —                    | 644                     | 11,485               |
| <b>Asses</b>      | 66,295               | 709                  | 2,800                   | 515,177              |
| <b>Camels</b>     | 9,376                | 176                  | 473                     | 421,562              |
| <b>Cattle:</b>    | 410,784 (2)          | 17,940               | 144,083                 | 9,625,806            |
| Calves            | 634,781 (2)          | 51,765               | 307,624                 | 13,400,963           |
| Cows              | 124,416 (2)          | 3,496                | 683                     | 1,863,409            |
| Bulls             | 685,192 (2)          | 72,352               | 274,187                 | 11,893,758           |
| Bullocks          | 1,855,173            | 145,555              | 726,377                 | 36,778,939           |
| <b>Buffaloes</b>  | 222,919              | 4,270                | 77,710                  | 3,756,143            |
| Calves            | 421,735              | 13,000               | 130,736                 | 5,470,381            |
| Cows              | 34,334               | 3,467                | 27,397                  | 1,696,452            |
| Male buffaloes    | 678,886              | 26,777               | 233,843                 | 19,325,376           |
| <b>Sheep</b>      | (1) 1,477,849 (2)    | 182,980              | 160,032                 | 19,686,782           |
| <b>Goats</b>      | (1) 906,938 (2)      | 54,367               | 179,128                 | 12,965,504           |

(1) For Cutch Sheep and Goats are together. — (2) For Dharmpur Bulls and Bullocks, Cows and Calves; Sheep and Goats are together.

## 30. — BRITISH INDIA. — DISTRIBUTION OF TOTAL FULLY ASSESSED AREA ACCORDING TO TENURE.

(ACRES)

| CLASSIFICATION                | MAHARASHTRA       | BOMBAY              | BENGAL                      | UNITED PROVINCES | PUNJAB                       |
|-------------------------------|-------------------|---------------------|-----------------------------|------------------|------------------------------|
|                               | 1928-29           | 1925-26             | 1927-28                     | 1926-27          | 1929-30                      |
| Rajputwari                    | 33,374,884        | 29,164,593          | —                           | —                | —                            |
| Zamindari temporarily settled | —                 | (1) 2,428,848       | 4,367,502                   | (1) 50,325,736   | 45,741,793                   |
| Zamindari permanently settled | 9,804,500         | —                   | 36,537,584                  | 6,001,488        | —                            |
| Total                         | 43,179,384        | 31,593,441          | 40,905,086                  | 56,327,224       | 45,741,793                   |
|                               | BIHAR             | BIHAR AND GUJARA    | CENTRAL PROVINCES AND BEHAR | ASSAM            | NORTH-WEST FRONTIER PROVINCE |
|                               | 1929-30           | 1926-27             | 1929-30                     | 1929-30          | 1929-30                      |
| Rajputwari                    | 21,707,122        | —                   | 9,628,017                   | 3,976,838        | —                            |
| Zamindari temporarily settled | —                 | 6,319,488           | (1) 26,998,471              | (1) 476,485      | 7,349,176                    |
| Zamindari permanently settled | —                 | 39,954,865          | —                           | 3,980,770        | —                            |
| Total                         | 21,707,122        | 46,274,353          | 36,626,488                  | 8,384,093        | 7,349,176                    |
|                               | AGRAH-<br>MERWATA | MAHARAJA<br>PARGANA | COORG                       | DELHI            | TOTAL                        |
|                               | 1929-30           | 1929-30             | 1927-28                     | 1929-30          |                              |
| Rajputwari                    | —                 | 10,503              | 112,942                     | —                | 97,974,099                   |
| Zamindari temporarily settled | (1) 483,229       | —                   | —                           | 365,457          | 144,856,185                  |
| Zamindari permanently settled | 805,274           | —                   | —                           | —                | 97,034,681                   |
| Total                         | 1,288,503         | 10,503              | 112,942                     | 365,457          | 339,865,765                  |

(1) Including village communities.

31. — INDIAN STATES. — DISTRIBUTION OF TOTAL FULLY ASSESSED AREA  
ACCORDING TO TENURE IN 1929-30.  
(ACRES).

| CLASSIFICATION              | HYDERABAD         | MYSORE     | ORISSA     | KASHMIR           | PUNJAB      |
|-----------------------------|-------------------|------------|------------|-------------------|-------------|
| Rajputwari                  | 21,845,305        | 8,148,898  | —          | —                 | (1) 339,527 |
| Zamindari                   | —                 | —          | 12,776,479 | —                 | —           |
| No specified classification | —                 | —          | —          | 5,830,038         | —           |
|                             | BANGA-<br>NAPALLE | SANDUR     | COCHIN     | INDORE            | BHOPAL      |
| Rajputwari                  | —                 | 14,922     | —          | —                 | —           |
| Zamindari                   | 114,557           | —          | 502,000    | 4,484,098         | 2,397,830   |
| No specified classification | —                 | —          | —          | —                 | —           |
|                             | RAJGARH           | NARAINGARH | BARWANE    | NAGOR             | CHENNA      |
| Rajputwari                  | 466,737           | 334,587    | 372,064    | —                 | 1,331,200   |
| Zamindari                   | —                 | —          | —          | 320,903           | —           |
| No specified classification | —                 | —          | —          | —                 | —           |
|                             | BIKANER           | MARWAR     | JAIPOUR    | ALWAR             | BHARATPUR   |
| Rajputwari                  | —                 | —          | —          | —                 | —           |
| Zamindari                   | 4,271,565         | 2,999,943  | 2,255,736  | (2) 1,427,307     | 1,170,850   |
| No specified classification | —                 | —          | —          | —                 | —           |
|                             | JHALAWAR          | TONE       | KOTAH      | BUNDI             | DHOLPUR     |
| Rajputwari                  | —                 | 508,540    | 1,943,261  | 862,958           | —           |
| Zamindari                   | 382,711           | —          | —          | —                 | 739,735     |
| No specified classification | —                 | —          | —          | —                 | —           |
|                             | BELGAUM           | JATH       | PHALTAN    | AUNDH             | SACHIN      |
| Rajputwari                  | 289,666           | —          | 202,194    | 257,392           | 21,542      |
| Zamindari                   | —                 | 627,285    | —          | —                 | —           |
| No specified classification | —                 | —          | —          | —                 | —           |
|                             | DHARAMPUR         | BANARAS    | RAMPUR     | THERI-<br>GARHWAL | TOTAL       |
| Rajputwari                  | —                 | —          | —          | —                 | 37,023,388  |
| Zamindari                   | —                 | —          | 562,718    | —                 | 14,766,704  |
| No specified classification | 278,552           | 366,200    | —          | 458,511           | 27,300,514  |

(1) Including whole team villages. — (2) Including village communities.

32. — BRITISH INDIA. — DISTRIBUTION OF CULTIVATED ASSESSED AREA ACCORDING TO TENURE.  
(ACRES)

| CLASSIFICATION                | MADRAS<br>1928-29            | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1928-29                             |
|-------------------------------|------------------------------|-----------------------------------|---|--------------------------------|---|
| Rajputwari                    | 25,266,691                   | 22,929,201                        | —   | —                              | —   |
| Zamindari temporarily settled | —                            | (1) 665,509                       | (2) 3,024,087                                   | (1) 31,052,083                 | 25,861,705                                    |
| Zamindari permanently settled | 7,295,585                    | —                                 | (2) 18,017,292                                  | 5,735,360                      | —   |
| Total                         | 32,562,276                   | 23,594,710                        | (2) 21,041,379                                  | 34,787,443                     | 25,861,705                                    |
|                               | BURMA<br>1929-30             | BIHAR<br>AND<br>CHHISA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BERAR<br>1929-30 | ARUN<br>1929-30                | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 |
| Rajputwari                    | 17,774,859                   | —                                 | 6,968,296                                       | (2) 2,445,375                  | —   |
| Zamindari temporarily settled | —                            | 6,191,441                         | (1) 14,308,822                                  | (1) 2,039,782                  | 2,414,472                                     |
| Zamindari permanently settled | —                            | 15,643,912                        | —   | (2) 2,098,818                  | —   |
| Total                         | 17,774,859                   | 25,835,353                        | 21,269,118                                      | 4,783,975                      | 2,414,472                                     |
|                               | AJMER-<br>MERWARA<br>1929-30 | MADHIA<br>PRDESH<br>1929-30       | COORG<br>1927-28                                | DELHI<br>1929-30               | TOTAL   |
| Rajputwari                    | —                            | 7,127                             | (3)   | —                              | 75,391,549                                    |
| Zamindari temporarily settled | (1) 190,453                  | —                                 | —   | 186,329                        | 84,146,683                                    |
| Zamindari permanently settled | 106,426                      | —                                 | —   | —                              | 50,897,393                                    |
| Total                         | 296,879                      | 7,127                             | —   | 186,329                        | 210,435,625                                   |

(1) Including village communities. — (2) Incomplete. — (3) No information.

33. — INDIAN STATES. — DISTRIBUTION OF CULTIVATED ASSESSED AREA  
ACCORDING TO TENURE IN 1929-30.

(ACRES)

| CLASSIFICATION              | HYDERABAD         | MYSORE     | GWALIOR   | KASHMIR           | PUNJAB      |
|-----------------------------|-------------------|------------|-----------|-------------------|-------------|
| Rajputwari                  | 21,463,733        | 6,635,197  | —         | —                 | (1) 230,296 |
| Zamindari                   | —                 | —          | 4,261,766 | —                 | —           |
| No specified classification | —                 | —          | —         | 1,642,055         | —           |
|                             |                   |            |           |                   |             |
|                             | BANGA-<br>NAPALLE | SARAWAK    | COCHIN    | INDORE            | BOMBAY      |
| Rajputwari                  | —                 | 9,109      | —         | —                 | —           |
| Zamindari                   | —                 | —          | —         | —                 | —           |
| No specified classification | 107,898           | —          | 502,800   | 2,156,371         | 1,123,243   |
|                             |                   |            |           |                   |             |
|                             | RAJGARH           | NARAINGARH | BARWANI   | NAGPUR            | ORISSA      |
| Rajputwari                  | 248,583           | 199,984    | 253,789   | —                 | 283,800     |
| Zamindari                   | —                 | —          | —         | —                 | —           |
| No specified classification | —                 | —          | —         | 109,751           | —           |
|                             |                   |            |           |                   |             |
|                             | BIKANER           | MARWAR     | JAINPUR   | ALWAR             | BIHARAPUR   |
| Rajputwari                  | —                 | —          | —         | —                 | —           |
| Zamindari                   | —                 | —          | —         | (2) 785,460       | —           |
| No specified classification | 1,421,636         | 865,904    | 728,771   | —                 | 442,044     |
|                             |                   |            |           |                   |             |
|                             | JHALWAR           | TOOK       | KOTAH     | BURDI             | DUDHPUR     |
| Rajputwari                  | —                 | 438,542    | 1,065,853 | 287,027           | —           |
| Zamindari                   | —                 | —          | —         | —                 | —           |
| No specified classification | 118,738           | —          | —         | —                 | 249,489     |
|                             |                   |            |           |                   |             |
|                             | BILASPUR          | JATH       | PHALTAN   | AGNER             | SAGRI       |
| Rajputwari                  | 81,662            | —          | 125,365   | 194,600           | 21,342      |
| Zamindari                   | —                 | —          | —         | —                 | —           |
| No specified classification | —                 | 436,938    | —         | —                 | —           |
|                             |                   |            |           |                   |             |
|                             | DHARAMPUR         | BENARES    | RANPUR    | TIGRI<br>GARHWALL | TOTAL       |
| Rajputwari                  | —                 | —          | —         | —                 | 11,510,382  |
| Zamindari                   | —                 | —          | 347,214   | —                 | 5,374,446   |
| No specified classification | 141,324           | 237,157    | —         | 283,038           | 10,557,207  |

(1) Including whole loan villages. — (2) Including village communities.

34. — BRITISH INDIA. — DISTRIBUTION OF AREA NOT FULLY ASSESSED ACCORDING TO TENURE.  
(ACRES)

| CLASSIFICATION                | MADRAS<br>1928-29           | BOMBAY<br>1925-26                | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                             |
|-------------------------------|-----------------------------|----------------------------------|---|--------------------------------|---|
| Rajputwari                    | 28,474,322                  | 42,760,179                       | —   | —                              | —   |
| Zamindari temporarily settled | —                           | (2) 1,475,910                    | 3,733,187                                       | (2) 2,303,206                  | 1,876,006                                     |
| Zamindari permanently settled | (1) 18,503,014              | —                                | 911,497   | 284,583                        | —   |
| Other classifications         | —                           | —                                | —   | —                              | —   |
| Total                         | 46,977,336                  | 44,236,089                       | 4,644,684                                       | 2,587,789                      | 1,876,006                                     |
|                               |                             |                                  |   |                                |   |
|                               | BURMA<br>1929-30            | BURMA<br>AND<br>CHINA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BIHAR<br>1929-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 |
| Rajputwari                    | —                           | —                                | 1,567,778                                       | 25,621,314                     | —   |
| Zamindari temporarily settled | —                           | 4,022,776                        | (2) 13,516,460                                  | (2) 1,294,563                  | 743,287                                       |
| Zamindari permanently settled | —                           | 1,650,112                        | —   | —                              | —   |
| Other classifications         | —                           | —                                | (3) 12,469,887                                  | —                              | —   |
| Total                         | —                           | 5,672,888                        | 27,984,125                                      | 26,915,877                     | 743,287                                       |
|                               |                             |                                  |   |                                |   |
|                               | AMER-<br>MIRWARA<br>1929-30 | MARWAR<br>PARGANA<br>1929-30     | COORG<br>1927-28                                | DELHI<br>1929-30               | TOTAL   |
| Rajputwari                    | —                           | —                                | 899,318   | —                              | 99,322,902                                    |
| Zamindari temporarily settled | (2) 249,236                 | —                                | —   | 4,878                          | 29,211,509                                    |
| Zamindari permanently settled | 168,421                     | —                                | —   | —                              | 21,517,627                                    |
| Other classifications         | —                           | —                                | —   | —                              | 12,469,887                                    |
| Total                         | 409,657                     | —                                | 899,318   | 4,878                          | 162,521,925                                   |

(1) Including 5,484,213 acres of the loan villages (entire tax-free granted). — (2) Including village communities. — (3) Government Forests.

35. — INDIAN STATES. — DISTRIBUTION OF AREA NOT FULLY ASSESSED  
ACCORDING TO TENURE IN 1929-30.

(ACRES)

| CLASSIFICATION              | HYDERABAD         | MYNORE     | CWALJUR | KANNUR           | PUDUCOTTAI  |
|-----------------------------|-------------------|------------|---------|------------------|-------------|
| Raiyatwari                  | 865,507           | 1,963,219  | —       | —                | (1) 381,909 |
| Zamindari                   | —                 | —          | —       | 919,636          | —           |
| No specified classification | —                 | —          | —       | —                | —           |
|                             | BANGA-<br>NAPALLE | SANDUR     | COCHIN  | INDORE           | BHOPAL      |
| Raiyatwari                  | —                 | 9,660      | —       | —                | —           |
| Zamindari                   | 25,373            | —          | —       | —                | 1,292,521   |
| No specified classification | —                 | —          | —       | —                | —           |
|                             | RAIGARH           | NARSINGARH | BARWANI | NAGOD            | ORISSA      |
| Raiyatwari                  | 147,875           | 133,964    | 38,136  | —                | —           |
| Zamindari                   | —                 | —          | —       | —                | —           |
| No specified classification | —                 | —          | —       | —                | —           |
|                             | BIKANER           | MARWAR     | JAIPIR  | ALWAR            | BHARATPUR   |
| Raiyatwari                  | —                 | —          | —       | —                | —           |
| Zamindari                   | 11,115,500        | 19,410,297 | 853,733 | (2) 270,723      | 97,540      |
| No specified classification | —                 | —          | —       | —                | —           |
|                             | JHALWAR           | TONE       | KOTAH   | BUNDI            | DHOLPUR     |
| Raiyatwari                  | —                 | 680,415    | —       | 18,889           | —           |
| Zamindari                   | —                 | —          | —       | —                | —           |
| No specified classification | —                 | —          | —       | —                | —           |
|                             | BILASPUR          | JABH       | PHALTAN | AUNDH            | SAGUR       |
| Raiyatwari                  | —                 | —          | 51,849  | 54,510           | 2,399       |
| Zamindari                   | —                 | —          | —       | —                | —           |
| No specified classification | —                 | —          | —       | —                | —           |
|                             | DHARAMPUR         | BEHAR      | RAMPUR  | TEHR-<br>GARHWAL | TOTAL       |
| Raiyatwari                  | —                 | —          | —       | —                | 4,352,479   |
| Zamindari                   | 104,240           | 12,345     | 8,508   | —                | 279,231     |
| No specified classification | —                 | —          | —       | —                | 93,811,185  |

(1) Including *Jam* villages. — (2) Including village communities.

36. — BRITISH INDIA. — DISTRIBUTION OF AREA  
FOR WHICH ASSESSMENT DATA ARE NOT AVAILABLE ACCORDING TO TENURE.

(ACRES)

| CLASSIFICATION                | MUMBAI<br>1928-29            | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                             |
|-------------------------------|------------------------------|-----------------------------------|---|--------------------------------|---|
| Raiyatwari                    | 663,580                      | 2,669,360                         | —   | —                              | —   |
| Zamindari temporarily settled | —                            | (1) 138,145                       | 3,228,650                                       | (1) 7,539,848                  | 12,555,990                                    |
| Zamindari permanently settled | 707,917                      | —                                 | 408,489   | 1,096,677                      | —   |
| Total                         | 1,377,497                    | 2,807,505                         | 3,637,139                                       | 8,638,525                      | 12,555,990                                    |
|                               | BORNA<br>1928-30             | BIHAR<br>AND<br>ORISSA<br>1928-27 | CENTRAL<br>PROVINCES<br>AND<br>BERAR<br>1929-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 |
| Raiyatwari                    | 134,142,358                  | —                                 | —   | —                              | —   |
| Zamindari temporarily settled | —                            | 883,019                           | —   | —                              | 344,948                                       |
| Zamindari permanently settled | —                            | 248,599                           | —   | —                              | —   |
| Total                         | 134,142,358                  | 1,131,618                         | —   | —                              | 344,948                                       |
|                               | AJMER-<br>MERWARA<br>1929-30 | MADHIA<br>PARGANA<br>1929-30      | COORG<br>1927-28                                | DELHI<br>1929-30               | TOTAL   |
| Raiyatwari                    | —                            | 20,850                            | —   | —                              | 137,502,148                                   |
| Zamindari temporarily settled | (1) 72,761                   | —                                 | —   | —                              | 24,763,361                                    |
| Zamindari permanently settled | —                            | —                                 | —   | —                              | 2,463,682                                     |
| Total                         | 72,761                       | 20,850                            | —   | —                              | 164,729,191                                   |

(1) Including village communities.

37. — INDIAN STATES. — DISTRIBUTION OF AREA FOR WHICH ASSESSMENT DATA ARE NOT AVAILABLE ACCORDING TO TENURE IN 1929-30.

(ACRES)

| CLASSIFICATION                        | HYDRABAD          | MYSORE      | GWALIOR | KASHMIR           | PUNJAB<br>ROHTAK |
|---------------------------------------|-------------------|-------------|---------|-------------------|------------------|
| Rajputwari . . . . .                  | 10,096,619        | 8,782,409   | —       | —                 | (1) 32,855       |
| Zamindari . . . . .                   | —                 | —           | —       | 295,267           | —                |
| No specified classification . . . . . | —                 | —           | —       | —                 | —                |
|                                       | BANGA-<br>NAPALLE | SANSUR      | COCHIN  | INDORE            | BHOPAL           |
| Rajputwari . . . . .                  | —                 | 76,813      | —       | —                 | —                |
| Zamindari . . . . .                   | —                 | —           | —       | —                 | —                |
| No specified classification . . . . . | 23,974            | —           | 140,119 | 1,609,649         | 966,566          |
|                                       | RAJGIRI           | NARSINGGARH | BARWANI | NAGOD             | ORISSA           |
| Rajputwari . . . . .                  | —                 | —           | —       | —                 | —                |
| Zamindari . . . . .                   | —                 | —           | —       | —                 | —                |
| No specified classification . . . . . | —                 | —           | —       | —                 | —                |
|                                       | BIKANER           | MAHAR       | JASMER  | ALWAR             | BIHARPUR         |
| Rajputwari . . . . .                  | —                 | —           | —       | —                 | —                |
| Zamindari . . . . .                   | —                 | —           | —       | —                 | —                |
| No specified classification . . . . . | —                 | —           | —       | —                 | —                |
|                                       | JHALWAR           | TONK        | KOTAH   | BUNDE             | DHOLPUR          |
| Rajputwari . . . . .                  | —                 | —           | 915,947 | —                 | —                |
| Zamindari . . . . .                   | —                 | —           | —       | —                 | —                |
| No specified classification . . . . . | 26,231            | —           | —       | —                 | —                |
|                                       | BILASPUR          | JABH        | PHALTAN | AMRIT             | SAGUR            |
| Rajputwari . . . . .                  | —                 | —           | —       | 9,065             | —                |
| Zamindari . . . . .                   | —                 | —           | —       | —                 | —                |
| No specified classification . . . . . | —                 | —           | —       | —                 | —                |
|                                       | DHARAMPUR         | BENARES     | RANPUR  | TERRI-<br>GARHWAL | TOTAL            |
| Rajputwari . . . . .                  | —                 | —           | —       | —                 | 19,913,708       |
| Zamindari . . . . .                   | —                 | —           | —       | 2,129,267         | 5,166,064        |
| No specified classification . . . . . | —                 | —           | —       | —                 | —                |

(1) Including whole *Jeem* villages.

38. — BRITISH INDIA. — DISTRIBUTION OF POPULATION OF FULLY ASSESSED AREA ACCORDING TO TENURE.

(NUMBER)

| CLASSIFICATION                          | MAHARAJ<br>1928-29           | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                              |
|---|------------------------------|-----------------------------------|---|--------------------------------|--|
| Rajputwari . . . . .                    | 30,378,117                   | 15,802,854                        | —   | —                              | —  |
| Zamindari temporarily settled . . . . . | —                            | (1) 1,025,227                     | 42,858,199                                      | (2) 32,579,119                 | (3)  |
| Zamindari permanently settled . . . . . | 9,226,592                    | —                                 |   | (2) 2,535,308                  | —  |
| No specified classification . . . . .   | —                            | —                                 | —   | —                              | —  |
| Total . . . . .                         | 39,604,709                   | 16,828,081                        | 42,858,199                                      | 35,114,427                     | —  |
|   | BIHAR<br>1928-30             | BIHAR<br>AND<br>ORISSA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BIHAR<br>1929-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCES<br>1929-30 |
| Rajputwari . . . . .                    | 13,212,192                   | —                                 | —   | (3)                            | —  |
| Zamindari temporarily settled . . . . . | —                            | 28,640,497                        | —   | (3)                            | —  |
| Zamindari permanently settled . . . . . | —                            |                                   | —   | (3)                            | —  |
| No specified classification . . . . .   | —                            | —                                 | 11,708,478                                      | —                              | —  |
| Total . . . . .                         | 13,212,192                   | 28,640,497                        | 11,708,478                                      | —                              | —  |
|   | AGRA-<br>MIRJAPUR<br>1929-30 | MAHARAJ<br>PARDHANA<br>1929-30    | COCHIN<br>1927-28                               | DELHI<br>1929-30               | TOTAL  |
| Rajputwari . . . . .                    | —                            | 4,050                             | (3)   | —                              | 59,397,213                                     |
| Zamindari temporarily settled . . . . . | (1) 171,177                  | —                                 | —   | 488,188                        | 117,659,590                                    |
| Zamindari permanently settled . . . . . | 135,291                      | —                                 | —   | —                              |  |
| No specified classification . . . . .   | —                            | —                                 | —   | —                              | 11,708,478                                     |
| Total . . . . .                         | 306,468                      | 4,050                             | —   | 488,188                        | 186,745,289                                    |

(1) Including village communities. — (2) Incomplete. — (3) Data not available.

39. — INDIAN STATES. — DISTRIBUTION OF POPULATION OF FULLY ASSESSED AREA  
ACCORDING TO TENURE IN 1929-30.

(NUMBER)

| CLASSIFICATION                        | HYDERABAD         | MYNORE     | GWALIOR   | KASHMIR          | PUNJ-ROHTAK |
|---------------------------------------|-------------------|------------|-----------|------------------|-------------|
| Rajputwari . . . . .                  | —                 | 5,082,791  | —         | —                | (1) 426,813 |
| Zamindari . . . . .                   | —                 | —          | 2,667,524 | 2,424,848        | —           |
| No specified classification . . . . . | —                 | —          | —         | —                | —           |
|                                       | BENGA-<br>HAPALLE | SANDUR     | COCHIN    | INDORA           | BROFAL      |
| Rajputwari . . . . .                  | —                 | 10,555     | —         | —                | —           |
| Zamindari . . . . .                   | 36,646            | —          | 940,755   | —                | —           |
| No specified classification . . . . . | —                 | —          | —         | —                | —           |
|                                       | RAJGARH           | NARAINGARH | BARWANI   | NAGOD            | ONCHIA      |
| Rajputwari . . . . .                  | 132,934           | 301,426    | 120,150   | —                | 284,948     |
| Zamindari . . . . .                   | —                 | —          | —         | 68,166           | —           |
| No specified classification . . . . . | —                 | —          | —         | —                | —           |
|                                       | BIKANER           | MARWAR     | JAIPIR    | ALWAR            | BIHARTIPUR  |
| Rajputwari . . . . .                  | —                 | —          | —         | (2) 611,230      | —           |
| Zamindari . . . . .                   | 328,015           | 551,249    | 911,551   | —                | 457,974     |
| No specified classification . . . . . | —                 | —          | —         | —                | —           |
|                                       | JHALWAR           | TONE       | KOTER     | BOSHI            | DHOLPUR     |
| Rajputwari . . . . .                  | —                 | 287,688    | 478,834   | 141,822          | —           |
| Zamindari . . . . .                   | —                 | —          | —         | —                | 230,138     |
| No specified classification . . . . . | —                 | —          | —         | —                | —           |
|                                       | BILASPUR          | JATN       | PRALYAN   | AMBER            | SACHIN      |
| Rajputwari . . . . .                  | 95,710            | —          | 34,042    | 52,541           | 19,977      |
| Zamindari . . . . .                   | —                 | 82,664     | —         | —                | —           |
| No specified classification . . . . . | —                 | —          | —         | —                | —           |
|                                       | DHARAMPUR         | BENARES    | RAMPUR    | TEHR-<br>GARHWAL | TOTAL       |
| Rajputwari . . . . .                  | —                 | —          | —         | —                | 7,270,631   |
| Zamindari . . . . .                   | —                 | —          | 341,264   | —                | 3,620,418   |
| No specified classification . . . . . | 95,171            | 350,529    | —         | 314,885          | 6,592,431   |

(1) Including whole town villages. — (2) Including village communities.

40. — BRITISH INDIA. — DISTRIBUTION OF POPULATION OF TOTAL AREA  
ACCORDING TO TENURE.  
(NUMBER)

| CLASSIFICATION                          | MADRAS<br>1928-29         | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                             |
|---|---------------------------|-----------------------------------|---|--------------------------------|---|
| Rajputwari . . . . .                    | 30,378,117                | —                                 | —   | —                              | —   |
| Zamindari temporarily settled . . . . . | —                         | —                                 | 45,793,288                                      | (2) 40,014,318                 | 20,661,923                                    |
| Zamindari permanently settled . . . . . | 1111,940,898              | —                                 |   |                                |   |
| No specified classification . . . . .   | —                         | 18,117,112                        | —   | —                              | —   |
| Total . . . . .                         | 42,318,985                | 18,117,112                        | 45,793,288                                      | 45,358,489                     | 20,661,923                                    |
|   | BURMA<br>1929-30          | BIHAR<br>AND<br>ORISSA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BIHAR<br>1929-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 |
| Rajputwari . . . . .                    | 13,212,192                | —                                 | —   | —                              | —   |
| Zamindari temporarily settled . . . . . | —                         | 34,003,550                        | —   | —                              | 2,539,183                                     |
| Zamindari permanently settled . . . . . | —                         |                                   | —   | —                              | —   |
| No specified classification . . . . .   | —                         | —                                 | 13,912,760                                      | 7,469,398                      | —   |
| Total . . . . .                         | 13,212,192                | 34,003,550                        | 13,912,760                                      | 7,469,398                      | 2,539,183                                     |
|   | AGRA-<br>MADWA<br>1929-30 | MANNIR<br>PARAGANA<br>1929-30     | COORG<br>1927-28                                | DELHI<br>1929-30               | TOTAL   |
| Rajputwari . . . . .                    | —                         | 4,565                             | 163,838   | —                              | 43,758,712                                    |
| Zamindari temporarily settled . . . . . | (2) 171,177               | —                                 | —   | 488,188                        | 160,925,263                                   |
| Zamindari permanently settled . . . . . | 168,397                   | —                                 | —   | —                              |   |
| No specified classification . . . . .   | —                         | —                                 | —   | —                              | 39,489,270                                    |
| Total . . . . .                         | 339,574                   | 4,565                             | 163,838   | 488,188                        | 244,183,245                                   |

(1) Including town villages. — (2) Including village communities.

41. — INDIAN STATES. — DISTRIBUTION OF POPULATION ON TOTAL AREA  
ACCORDING TO TENURE IN 1929-30  
(NUMBER)

| CLASSIFICATION              | HYDRABAD          | MYSORE     | GWALIOR   | KASHMIR          | PUNJAB      |
|-----------------------------|-------------------|------------|-----------|------------------|-------------|
| Raiyatwari                  | 11,570,085        | 5,561,699  | 2,667,524 | —                | (1) 426,813 |
| Zamindari                   | —                 | —          | —         | 2,859,933        | —           |
| No specified classification | —                 | —          | —         | —                | —           |
|                             | BANGA-<br>NAPALLE | BANDUR     | COCHIN    | INDORE           | BHOPAL      |
| Raiyatwari                  | —                 | 11,686     | —         | —                | —           |
| Zamindari                   | 36,646            | —          | 940,755   | 1,151,578        | 692,448     |
| No specified classification | —                 | —          | —         | —                | —           |
|                             | RAJGARH           | NARAINGARH | BARWANE   | NAGOD            | ORISSA      |
| Raiyatwari                  | 132,934           | 101,426    | 120,150   | —                | 284,948     |
| Zamindari                   | —                 | —          | —         | 68,166           | —           |
| No specified classification | —                 | —          | —         | —                | —           |
|                             | BIKANER           | MARWAR     | JAIPUR    | ALWAR            | BHARATPUR   |
| Raiyatwari                  | —                 | —          | —         | (2) 611,230      | —           |
| Zamindari                   | 658,948           | 1,823,642  | 925,523   | —                | 495,440     |
| No specified classification | —                 | —          | —         | —                | —           |
|                             | JHALWAR           | TONE       | KOTAH     | BUNSI            | DHOLPUR     |
| Raiyatwari                  | —                 | 287,688    | 478,834   | 187,068          | —           |
| Zamindari                   | 95,038            | —          | —         | —                | 230,188     |
| No specified classification | —                 | —          | —         | —                | —           |
|                             | BILASPUR          | JATH       | PHALTA    | AUNSH            | SAGRI       |
| Raiyatwari                  | 95,310            | —          | 43,285    | 64,560           | 19,997      |
| Zamindari                   | —                 | 82,654     | —         | —                | —           |
| No specified classification | —                 | —          | —         | —                | —           |
|                             | DHARAMPUR         | BEWAR      | RANPUR    | TEHU-<br>GARHWAL | TOTAL       |
| Raiyatwari                  | —                 | —          | —         | —                | 19,306,893  |
| Zamindari                   | 95,171            | 362,735    | 346,502   | 314,885          | 3,625,256   |
| No specified classification | —                 | —          | —         | —                | 10,055,589  |

(1) Including whole *lassi* villages. — (2) Including village communities.

42. — BRITISH INDIA. — DISTRIBUTION OF LAND REVENUE ON FULLY ASSESSED AREA  
ACCORDING TO TENURE (\*).  
(RUPEES)

| CLASSIFICATION                | MADRAS<br>1928-29            | BOMBAY<br>1925-26                | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                             |
|-------------------------------|------------------------------|----------------------------------|---|--------------------------------|---|
| Raiyatwari                    | 6,47,19,451                  | 3,92,27,088                      | —   | —                              | —   |
| Zamindari temporarily settled | —                            | (1) 13,27,786                    | 68,81,740                                       | (1) 6,39,59,634                | 5,09,10,010                                   |
| Zamindari permanently settled | 65,53,263                    | —                                | 2,26,40,689                                     | 36,67,977                      | —   |
| Total                         | 7,12,32,714                  | 4,05,54,874                      | 2,95,22,429                                     | 6,96,27,611                    | 5,09,10,010                                   |
|                               | BURMA<br>1929-30             | BURMA<br>AND<br>CHINA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BERAR<br>1929-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 |
| Raiyatwari                    | (2) 3,92,76,689              | —                                | 1,62,57,502                                     | 87,56,582                      | —   |
| Zamindari temporarily settled | —                            | 45,33,150                        | (1) 1,13,21,953                                 | (1) 8,52,386                   | 28,07,240                                     |
| Zamindari permanently settled | —                            | 1,07,28,164                      | —   | 3,76,324                       | —   |
| Total                         | 3,92,76,689                  | (3) 1,52,64,510                  | 2,15,79,455                                     | 99,85,292                      | 28,07,240                                     |
|                               | AJMER-<br>MIRYANA<br>1929-30 | MADHUR<br>PARGANA<br>1929-30     | COORG<br>1927-28                                | DELHI<br>1929-30               | TOTAL   |
| Raiyatwari                    | —                            | 17,332                           | 3,06,974  | —                              | 16,25,61,618                                  |
| Zamindari temporarily settled | (1) 2,37,005                 | —                                | —   | 4,61,048                       | 14,32,91,952                                  |
| Zamindari permanently settled | 1,14,734                     | —                                | —   | —                              | 4,60,81,151                                   |
| Total                         | 3,51,739                     | 17,332                           | 3,06,974  | 4,61,048                       | (3) 35,19,37,917                              |

(\* Where the land revenue includes the zamindar's share, the net demand is entered, and the table states the payments due by the zamindars to Government, and not those due by raiyats to the zamindars. The actual realizable demand on account of the year is entered after excluding arrears for past years and deducting the amounts remaining uncollected at the end of the year.

(1) Including village communities. — (2) Incomplete. — (3) Including 3,196 rupees of miscellaneous revenue.

## 43. — INDIAN STATES. — DISTRIBUTION OF TOTAL REVENUE ON FULLY ASSESSED AREA ACCORDING TO TENURE IN 1929-30 (\*).

(RUPEES)

| CLASSIFICATION              | HYDERABAD         | MYSORE      | GWALIOR   | KASHMIR          | PUNJ-KOTAL   |
|-----------------------------|-------------------|-------------|-----------|------------------|--------------|
| Rajstwari                   | 3,72,89,487       | 1,17,11,652 | —         | —                | (1) 7,81,506 |
| Zamindari                   | —                 | —           | 95,94,373 | 57,86,041        | —            |
| No specified classification | —                 | —           | —         | —                | —            |
|                             | BANGA-<br>NAPALLE | SANJUN      | COCHIN    | INDORE           | BHOOPAL      |
| Rajstwari                   | —                 | 17,158      | —         | —                | —            |
| Zamindari                   | 1,92,807          | —           | 11,14,613 | 59,42,623        | 28,24,476    |
| No specified classification | —                 | —           | —         | —                | —            |
|                             | RAJGARH           | NARINDGARH  | BIRWAN    | NAGOD            | OHANGA       |
| Rajstwari                   | 7,58,172          | 7,04,123    | 3,73,852  | —                | 9,59,080     |
| Zamindari                   | —                 | —           | —         | 2,43,804         | —            |
| No specified classification | —                 | —           | —         | —                | —            |
|                             | BERARH            | MARWAR      | JAIPIR    | ALWAR            | BARBATPUR    |
| Rajstwari                   | —                 | —           | —         | —                | —            |
| Zamindari                   | 12,62,926         | 17,19,639   | 45,86,399 | (1) 28,83,881    | 22,59,824    |
| No specified classification | —                 | —           | —         | —                | —            |
|                             | JHALAWAR          | TONE        | KOTAH     | BUNDA            | DHOOPUR      |
| Rajstwari                   | —                 | 18,45,926   | 30,87,525 | 8,86,953         | —            |
| Zamindari                   | 4,61,088          | —           | —         | —                | 12,05,071    |
| No specified classification | —                 | —           | —         | —                | —            |
|                             | DELAPUR           | JETH        | PHALGAN   | AJMER            | SACHIN       |
| Rajstwari                   | 1,81,516          | —           | 1,20,720  | 2,02,355         | 1,79,760     |
| Zamindari                   | —                 | 2,46,595    | —         | —                | —            |
| No specified classification | —                 | —           | —         | —                | —            |
|                             | DHARAMPUR         | BENARES     | RAMPUR    | TEHR-<br>GARHWAL | TOTAL        |
| Rajstwari                   | —                 | —           | —         | —                | 5,62,97,791  |
| Zamindari                   | 3,30,641          | 11,44,908   | 30,52,072 | 3,95,029         | 1,55,30,326  |
| No specified classification | —                 | —           | —         | —                | 2,96,27,784  |

(\* Where the land revenue includes the zamindar's share, the net demand is entered, and the table states the payments due by the zamindars to Government, and not those due by raiyats to the zamindars. The actual realizable demand on account of the year is entered after excluding cesses, arrears for past years and deducting the amounts remaining uncollected at the end of the year.

(1) Including whole lease villages.

## 44. — BRITISH INDIA. — DISTRIBUTION OF TOTAL REVENUE FROM LAND (EXCLUDING CASSES) ACCORDING TO TENURE (\*).

(RUPEES)

| CLASSIFICATION                | MUMBAI<br>1928-29           | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                               | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                             |
|-------------------------------|-----------------------------|-----------------------------------|---|--------------------------------|---|
| Rajstwari                     | 6,66,04,168                 | —                                 | —   | —                              | —   |
| Zamindari temporarily settled | —                           | —                                 | 69,18,889                                       | (1) 16,58,72,408               | 5,24,79,832                                   |
| Zamindari permanently settled | (2) 87,42,511               | —                                 | 2,26,41,005                                     | 60,67,499                      | —   |
| No specified classification   | —                           | 4,76,46,024                       | —   | —                              | —   |
| Total                         | 7,53,46,679                 | 4,76,46,024                       | (3) 3,00,73,899                                 | 7,19,39,917                    | 5,24,79,832                                   |
|                               | BIHAR<br>1929-30            | BIHAR<br>AND<br>ORISSA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BIHAR<br>1929-30 | ASSAM<br>1929-30               | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 |
| Rajstwari                     | (4) 5,94,32,527             | —                                 | —   | 1,15,54,744                    | —   |
| Zamindari temporarily settled | —                           | 45,71,575                         | —   | (1) 14,40,786                  | 29,39,446                                     |
| Zamindari permanently settled | —                           | 1,67,40,775                       | —   | 5,76,324                       | —   |
| No specified classification   | —                           | —                                 | 2,27,87,610                                     | —                              | —   |
| Total                         | 5,94,32,527                 | (5) 1,63,81,227                   | 2,27,87,610                                     | 1,31,71,854                    | 29,39,446                                     |
|                               | AGRA-<br>MERWARA<br>1929-30 | MISORE<br>PARGANA<br>1929-30      | COORG<br>1927-28                                | DELHI<br>1929-30               | TOTAL   |
| Rajstwari                     | —                           | 17,332                            | 4,12,684  | —                              | 13,78,01,455                                  |
| Zamindari temporarily settled | (1) 2,37,005                | —                                 | —   | 4,70,855                       | 13,49,30,806                                  |
| Zamindari permanently settled | 1,14,734                    | —                                 | —   | —                              | 4,86,82,848                                   |
| No specified classification   | —                           | —                                 | —   | —                              | 7,04,33,634                                   |
| Total                         | 3,51,739                    | 17,332                            | 4,12,684  | 4,70,855                       | (6) 39,34,30,735                              |

(\* Where the land revenue includes the zamindar's share, the net demand is entered, and the table states the payments due by the zamindars to Government, and not those due by raiyats to the zamindars. The actual realizable demand on account of the year is entered after excluding cesses, arrears for past years and deducting the amounts remaining uncollected at the end of the year.

(1) Including village cesses. — (2) Including rupees 15,65,224 of the fees villages. — (3) Including 5,13,115 rupees of miscellaneous revenue. — (4) Incomplete returns. — (5) Including 10,68,877 rupees of miscellaneous revenue. — (6) Including 15,81,992 rupees of miscellaneous revenue.



45. — INDIAN STATES. — DISTRIBUTION OF TOTAL REVENUE FROM LAND (EXCLUDING CASSES) ACCORDING TO TENURE IN 1929-30 (\*).

(RUPEES)

| CLASSIFICATION   | HYDERABAD     | MYSORE        | GWALYER   | KASHMIR       | PUNJ-KOTTAI  |
|--|---------------|---------------|-----------|---------------|--------------|
| Rajyatwari<br>Zamindari<br>No specified classification | 3,80,72,709   | 1,32,25,726   | 95,94,373 | 58,96,251     | (1) 9,46,495 |
|  | BANZA-MAPALLE | SANDUR        | COCHIN    | INDORE        | BHOPAL       |
| Rajyatwari<br>Zamindari<br>No specified classification | —             | 17,158        | —         | —             | —            |
|  | 1,95,699      | —             | 11,14,613 | 68,44,540     | 28,24,476    |
|  | RAJGARH       | NARASINGARH   | BARWANI   | NAGPUR        | CHENNAI      |
| Rajyatwari<br>Zamindari<br>No specified classification | 7,58,172      | 7,04,123      | 3,73,852  | —             | 9,59,080     |
|  | —             | —             | —         | 2,43,804      | —            |
| Rajyatwari<br>Zamindari<br>No specified classification | 15,34,205     | (2) 17,19,639 | 45,86,399 | (3) 28,83,881 | 25,64,797    |
|  | JHALAWAR      | TONK          | KOTAH     | BUNDEL        | DHOOLPUR     |
| Rajyatwari<br>Zamindari<br>No specified classification | —             | 11,01,499     | 32,86,010 | 8,86,953      | —            |
|  | 5,21,196      | —             | —         | —             | 12,03,071    |
|  | BILASPUR      | JAJH          | PHALTAN   | AYNOR         | SACRI        |
| Rajyatwari<br>Zamindari<br>No specified classification | 1,81,516      | —             | 2,29,345  | 2,75,894      | 1,79,760     |
|  | —             | 2,46,695      | —         | —             | —            |
|  | DHARAMPUR     | BENARES       | RAMPUR    | TERI-GARHWAL  | TOTAL        |
| Rajyatwari<br>Zamindari<br>No specified classification | —             | —             | 30,56,662 | —             | 6,12,00,293  |
|  | 3,30,641      | 11,44,908     | —         | 3,09,029      | 1,55,54,516  |
|  |               |               |           |               | 3,12,90,960  |

(\*). Where the land revenue includes the zamindar's share, the net demand is entered, and the table states the payments due by the zamindars to Government, and not those due by tenants to the zamindars. The actual realizable demand on account of the year is entered after excluding cesses, arrears for past years and deducting the amounts remaining uncollected at the end of the year.

(1) Including whole farm villages. — (2) Incomplete returns. — (3) Including village communities.

46. — BRITISH INDIA. — INCIDENCE OF LAND REVENUE ASSESSMENT ON FULLY ASSESSED AREA PER ACRE OF TOTAL FULLY ASSESSED AREA ACCORDING TO TENURE (\*).

(RUPEES)

| CLASSIFICATION                | MADRAS<br>1928-29           | BOMBAY<br>1925-26                 | BENGAL<br>1927-28                                | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30                 |
|-------------------------------|-----------------------------|-----------------------------------|--|--------------------------------|-----------------------------------|
| Rajyatwari                    | 1-15-0                      | 1-5-6                             | —  | —                              | —                                 |
| Zamindari temporarily settled | —                           | (1) 0-8-9                         | 1-9-3  | (1) 1-4-4                      | 1-1-10                            |
| Zamindari permanently settled | 0-10-8                      | —                                 | 0-9-11   | 0-15-1                         | —                                 |
| Total                         | 1-10-5                      | 1-4-6                             | 0-11-7   | 1-3-9                          | 1-1-10                            |
|                               | BIHAR<br>1929-30            | BIHAR<br>AND<br>ORISSA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BHOJPA<br>1929-30 | ARUN<br>1929-30                | NORTH-WEST<br>PROVINCE<br>1929-30 |
| Rajyatwari                    | (2) 1-12-11                 | —                                 | 1-1-1  | 2-3-3                          | —                                 |
| Zamindari temporarily settled | —                           | 0-11-6                            | (1) 0-6-5  | (1) 1-12-9                     | 0-6-1                             |
| Zamindari permanently settled | —                           | 0-4-4                             | —  | 0-1-6                          | —                                 |
| Total                         | 1-12-11                     | 0-5-3                             | 0-9-5  | 1-3-1                          | 0-6-1                             |
|                               | ARUN-<br>MISRAWA<br>1929-30 | MADHIA<br>PANCHAL<br>1929-30      | COORG<br>1927-28                                 | DELHI<br>1929-30               | TOTAL                             |
| Rajyatwari                    | —                           | 1-10-5                            | 2-11-6   | —                              | 1-10-7                            |
| Zamindari temporarily settled | (1) 0-7-10                  | —                                 | —  | 1-4-2                          | 0-15-10                           |
| Zamindari permanently settled | 0-2-3                       | —                                 | —  | —                              | 0-7-7                             |
| Total                         | 0-4-4                       | 1-10-5                            | 2-11-6   | 1-4-2                          | 1-0-7                             |

(\*). Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed by each acre of land in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including village communities. — (2) Based on incomplete data.

47. — INDIAN STATES. — INCIDENCE OF LAND REVENUE ASSESSMENT ON FULLY ASSESSED AREA PER ACRE OF TOTAL FULLY ASSESSED AREA ACCORDING TO TENURE IN 1929-30 (\*).

(RUPEES)

| CLASSIFICATION              | HYDRABAD          | MYSORE     | GUJARAT | KASHMIR           | PUNJAB<br>AND<br>CHINA |
|-----------------------------|-------------------|------------|---------|-------------------|------------------------|
| Raiyatwari                  | 1-11-4            | 1-7-0      | 0-12-0  | —                 | (1) 2-4-10             |
| Zamindari                   | —                 | —          | —       | 0-15-11           | —                      |
| No specified classification | —                 | —          | —       | —                 | —                      |
|                             | BANGA-<br>NAPALLE | SANHER     | COCCHIN | INDORE            | BHOPAL                 |
| Raiyatwari                  | —                 | 1-2-5      | —       | —                 | —                      |
| Zamindari                   | 1-10-10           | —          | 2-3-6   | 1-5-2             | 1-2-10                 |
| No specified classification | —                 | —          | —       | —                 | —                      |
|                             | RAJGARH           | NARINDIARH | BARWANI | NAGOR             | ORISSA                 |
| Raiyatwari                  | 1-10-0            | 2-1-8      | 1-0-1   | —                 | 0-11-6                 |
| Zamindari                   | —                 | —          | —       | 0-12-2            | —                      |
| No specified classification | —                 | —          | —       | —                 | —                      |
|                             | BIKANER           | MARWAR     | JAIPOUR | ALWAR             | BHARATPUR              |
| Raiyatwari                  | —                 | —          | —       | (2) 2-0-4         | —                      |
| Zamindari                   | 0-4-9             | 0-9-2      | 2-0-6   | —                 | 1-14-11                |
| No specified classification | —                 | —          | —       | —                 | —                      |
|                             | JALAWAR           | TONA       | KOTAH   | BUNDEL            | DHOLPUR                |
| Raiyatwari                  | —                 | 1-11-11    | 1-9-5   | 1-0-5             | —                      |
| Zamindari                   | 1-3-3             | —          | —       | —                 | 1-10-0                 |
| No specified classification | —                 | —          | —       | —                 | —                      |
|                             | BIKANER           | JAIN       | PHALTAN | AHMED             | SACHIN                 |
| Raiyatwari                  | 0-10-0            | —          | 0-9-7   | 0-12-7            | 8-1-9                  |
| Zamindari                   | —                 | 0-6-4      | —       | —                 | —                      |
| No specified classification | —                 | —          | —       | —                 | —                      |
|                             | DHARWADPUR        | BERARH     | RAIPUR  | TEHRI-<br>GARHWAL | TOTAL                  |
| Raiyatwari                  | —                 | —          | —       | —                 | 1-0-1                  |
| Zamindari                   | 1-3-0             | 3-2-0      | 5-6-9   | 0-10-9            | 1-0-10                 |
| No specified classification | —                 | —          | —       | —                 | 1-1-5                  |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed by each acre of land in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including whole town villages. — (2) Including village communities.

48. — BRITISH INDIA. — INCIDENCE OF LAND REVENUE ASSESSMENT ON FULLY ASSESSED AREA PER ACRE OF CULTIVATED AREA ACCORDING TO TENURE (\*).

(RUPEES)

| CLASSIFICATION                | MADRAS<br>1928-29                               | BOMBAY<br>1925-26                             | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30             | BIHAR<br>AND<br>CHINA<br>1926-27 |
|-------------------------------|---|---|--------------------------------|-------------------------------|----------------------------------|
| Raiyatwari                    | 2-9-0   | 1-11-4  | —                              | —                             | —                                |
| Zamindari temporarily settled | —   | (1) 1-15-11                                   | (1) 2-0-11                     | 1-15-6                        | 0-11-9                           |
| Zamindari permanently settled | 0-14-4  | —   | 1-8-3                          | —                             | 0-8-9                            |
| Total                         | 2- 3-0  | 1-11-6  | 2-0-0                          | 1-15-6                        | 0-9-5                            |
|                               | CENTRAL<br>PROVINCES<br>AND<br>BIHAR<br>1929-30 | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 | AGRA-<br>MERWARA<br>1929-30    | MADHUR<br>PARAGANA<br>1929-30 | DELHI                            |
| Raiyatwari                    | 1-7-7   | —   | —                              | 2-6-11                        | —                                |
| Zamindari temporarily settled | 0-12-8  | 1-2-7   | 1-3-11                         | —                             | 2-7-7                            |
| Zamindari permanently settled | —   | —   | 1-1-3                          | —                             | —                                |
| Total                         | 1-0-3   | 1-2-7   | 1-2-11                         | 2-6-11                        | 2-7-7                            |
|                               | BENGAL<br>1927-28                               | BHARH<br>1929-30                              | ASSAM<br>1929-30               | TOTAL                         |                                  |
| Raiyatwari                    | —   | 2-3-4   | 3-9-4                          | 2- 2-5                        |                                  |
| Zamindari temporarily settled | 2-4-5   | —   | 3-8-11                         | 1-11-3                        |                                  |
| Zamindari permanently settled | 1-4-1   | —   | 0-2-10                         | 0-14-6                        |                                  |
| Total                         | 1-4-5   | 2-3-4   | 2-1- 5                         | 1-10-9                        |                                  |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed by each acre of land in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including village communities.

49. — INDIAN STATES. — INCIDENCE OF LAND REVENUE ASSESSMENT  
ON FULLY ASSESSED AREA PER ACRE OF CULTIVATED AREA ACCORDING TO TENURE IN 1929-30 (\*).  
(RUPEES)

| CLASSIFICATION              | HYDERABAD | MYSORE  | GWALIOR | KASHMIR       | PRINCIPALITY |
|-----------------------------|-----------|---------|---------|---------------|--------------|
| Raiyatwari                  | 1-11-10   | 1-12-3  | 2-4-0   | —             | (1) 3-6-4    |
| Zamindari                   | —         | —       | —       | 3-8-5         | —            |
| No specified classification | —         | —       | —       | —             | —            |
|                             | BANGALORE | SANDER  | COCHIN  | INDORE        | BHOJAL       |
| Raiyatwari                  | —         | 1-14-2  | —       | —             | —            |
| Zamindari                   | 1-12-6    | —       | 2-3-6   | 2-12-1        | 2-8-3        |
| No specified classification | —         | —       | —       | —             | —            |
|                             | RAJASHTH  | NARAYAN | BANWARI | NAGPUR        | ORISSA       |
| Raiyatwari                  | 3-0-11    | 3-8-4   | 1-7-7   | —             | 3-6-1        |
| Zamindari                   | —         | —       | —       | 2-3-7         | —            |
| No specified classification | —         | —       | —       | —             | —            |
|                             | BIKANER   | MARWAR  | JAIPUR  | ALWAR         | BHARATPUR    |
| Raiyatwari                  | —         | —       | —       | (1) 3-12-3    | —            |
| Zamindari                   | 0-14-3    | 1-15-9  | 6-4-8   | —             | 5-1-10       |
| No specified classification | —         | —       | —       | —             | —            |
|                             | JHALWAR   | TONE    | KOTAH   | BUNDEL        | DURGAPUR     |
| Raiyatwari                  | —         | 2-6-1   | 2-14-4  | 3-1-5         | —            |
| Zamindari                   | 3-14-2    | —       | —       | —             | 5-0-8        |
| No specified classification | —         | —       | —       | —             | —            |
|                             | BILASPUR  | JETA    | PHALTAN | AVNER         | SACHIN       |
| Raiyatwari                  | 2-3-7     | —       | 0-15-5  | 1-0-8         | 8-6-9        |
| Zamindari                   | —         | 0-9-0   | —       | —             | —            |
| No specified classification | —         | —       | —       | —             | —            |
|                             | DURGAPUR  | BEMAR   | RAMPUR  | TERRI-GARHWAL | TOTAL        |
| Raiyatwari                  | —         | —       | —       | —             | 1-11-7       |
| Zamindari                   | 2-5-5     | 4-13-3  | 8-12-8  | 1-1-6         | 2-14-3       |
| No specified classification | —         | —       | —       | —             | 2-12-11      |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed by each acre of land in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including village communities.

50. — BRITISH INDIA. — INCIDENCE OF LAND REVENUE ASSESSMENT  
PER HEAD OF POPULATION OF FULLY ASSESSED AREA ACCORDING TO TENURE (\*).  
(RUPEES)

| CLASSIFICATION                | MADRAS<br>1928-29                               | BOMBAY<br>1925-26            | BENGAL<br>1927-28            | BIHAR<br>AND<br>ORISSA<br>1926-27 |
|-------------------------------|---|------------------------------|------------------------------|-----------------------------------|
| Raiyatwari                    | 2-2-1   | 2-7-9                        | —                            | —                                 |
| Zamindari temporarily settled | —   | 1-4-0                        | } 0-11-0                     | } 0-8-6                           |
| Zamindari permanently settled | 0-11-4  | —                            |                              |                                   |
| No specified classification   | —   | —                            | —                            | —                                 |
| Total                         | 1-12-10   | 2-6-7                        | 0-11-0                       | 0-8-6                             |
|                               | CENTRAL<br>PROVINCES<br>AND<br>BERAR<br>1929-30 | ANDHRA<br>PRADESH<br>1929-30 | MADHYA<br>PRADESH<br>1929-30 | DELHI<br>1929-30                  |
| Raiyatwari                    | —   | —                            | 4-4-6                        | —                                 |
| Zamindari temporarily settled | —   | (1) 1-6-2                    | —                            | 0-15-1                            |
| Zamindari permanently settled | —   | 0-13-7                       | —                            | —                                 |
| No specified classification   | 1-13-6  | —                            | —                            | —                                 |
| Total                         | 1-13-6  | 1-2-4                        | 4-4-6                        | 0-15-1                            |
|                               | UNITED PROVINCES<br>1926-27                     | BHARAT<br>1929-30            | TOTAL                        |                                   |
| Raiyatwari                    | —   | (2) 2-15-7                   | 2-6-7                        |                                   |
| Zamindari temporarily settled | (2) 1-15-5                                      | —                            | } 1-0-9                      |                                   |
| Zamindari permanently settled | 2-3-9   | —                            | } 1-13-6                     |                                   |
| No specified classification   | —   | —                            | 1-13-6                       |                                   |
| Total                         | 1-15-9  | 2-15-7                       | 1-8-5                        |                                   |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed per head of population in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including village communities. — (2) Based on incomplete data.

51. — INDIAN STATES. — INCIDENCE OF LAND REVENUE ASSESSMENT PER HEAD OF POPULATION OF FULLY ASSESSED AREA ACCORDING TO TENURE IN 1929-30 (\*).

(RUPEES)

| CLASSIFICATION                        | MYSORE  | GWALIOR  | KASHMIR           | PUNJAB<br>KOTAL | BANGA-<br>MALLA |
|---------------------------------------|---------|----------|-------------------|-----------------|-----------------|
| Raiyatwari . . . . .                  | 2-4-10  | —        | —                 | (1) 1-13-4      | —               |
| Zamindari . . . . .                   | —       | 3-9-6    | —                 | —               | 5-3-10          |
| No specified classification . . . . . | —       | —        | 2-6-2             | —               | —               |
|                                       | SANDUR  | COCHIN   | RAJGARH           | NARASINGGARH    | BARWANI         |
| Raiyatwari . . . . .                  | 1-10-0  | —        | 5-11-3            | 6-15-1          | 3-1-9           |
| Zamindari . . . . .                   | —       | 1-2-11   | —                 | —               | —               |
| No specified classification . . . . . | —       | —        | —                 | —               | —               |
|                                       | NAGOD   | COCIBA   | BIKANER           | MARWAR          | JALPUR          |
| Raiyatwari . . . . .                  | —       | 3-5-10   | —                 | —               | —               |
| Zamindari . . . . .                   | 3-9-3   | —        | 3-13-7            | 4-14-4          | 5-0-6           |
| No specified classification . . . . . | —       | —        | —                 | —               | —               |
|                                       | ALWAR   | BANSTWAR | TONK              | KOTAH           |                 |
| Raiyatwari . . . . .                  | (1) —   | —        | 3-10-1            | —               | 6-7-2           |
| Zamindari . . . . .                   | 4-11-6  | 4-14-11  | —                 | —               | —               |
| No specified classification . . . . . | —       | —        | —                 | —               | —               |
|                                       | BOSHT   | DIGLUPUR | BLASPUR           | JAIN            |                 |
| Raiyatwari . . . . .                  | 6-4-1   | —        | 1-14-4            | —               | —               |
| Zamindari . . . . .                   | —       | 3-3-7    | —                 | —               | 2-15-9          |
| No specified classification . . . . . | —       | —        | —                 | —               | —               |
|                                       | PHALTAN | ANSH     | SACHIN            | DHARAMPUR       |                 |
| Raiyatwari . . . . .                  | 3-8-10  | 3-13-2   | 9-0-9             | —               | —               |
| Zamindari . . . . .                   | —       | —        | —                 | —               | 3-7-7           |
| No specified classification . . . . . | —       | —        | —                 | —               | —               |
|                                       | BHANGSI | RANPUR   | TERRI-<br>GARHWAL | TOTAL           |                 |
| Raiyatwari . . . . .                  | —       | —        | —                 | 2-14-3          |                 |
| Zamindari . . . . .                   | —       | 8-15-1   | —                 | 4-4-8           |                 |
| No specified classification . . . . . | 3-4-3   | —        | 0-15-8            | 3-1-5           |                 |

(\*). Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed per head of population in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including whole from villages.

52. — BRITISH INDIA. — INCIDENCE OF LAND REVENUE ASSESSMENT PER ACRE OF TOTAL AREA (ASSESSED AND NOT ASSESSED) ACCORDING TO TENURE (\*).

(RUPEES)

| CLASSIFICATION                            | MADRAS<br>1928-29                 | BOMBAY<br>1925-26                               | BENGAL<br>1927-28 | UNITED<br>PROVINCES<br>1926-27                | PUNJAB<br>1929-30            |
|---|-----------------------------------|---|-------------------|---|------------------------------|
| Raiyatwari . . . . .                      | 1-1-1                             | —   | —                 | —   | —                            |
| Zamindari temporarily settled . . . . .   | —                                 | —   | 0-9-9             | (1) 1-1-6                                     | 0-13-11                      |
| Zamindari permanently settled . . . . .   | (2) 0-4-10                        | —   | 0-9-7             | 0-13-2  | —                            |
| No specified classification (3) . . . . . | —                                 | 0-9-8   | —                 | —   | —                            |
| Total . . . . .                           | 0-13-2                            | 0-9-8   | 0-9-9             | 1-1-0   | 0-13-11                      |
|   | BIHAR<br>AND<br>ORISSA<br>1926-27 | CENTRAL<br>PROVINCES<br>AND<br>BERAR<br>1929-30 | ASSAM<br>1929-30  | NORTH-WEST<br>FRONTIER<br>PROVINCE<br>1929-30 | ALMER-<br>MERWARA<br>1929-30 |
| Raiyatwari . . . . .                      | —                                 | —   | —                 | —   | —                            |
| Zamindari temporarily settled . . . . .   | 0-6-6                             | —   | (1) 0-13-0        | 0-5-7   | (1) 0-4-9                    |
| Zamindari permanently settled . . . . .   | 0-4-1                             | —   | 0-1-6             | —   | 0-1-11                       |
| No specified classification (3) . . . . . | —                                 | 0-7-1   | —                 | —   | —                            |
| Total . . . . .                           | 0-4-7                             | 0-7-1   | 0-6-6             | 0-5-7   | 0-3-2                        |
|   | MADHUR<br>PARGANA<br>1929-30      | COORG<br>1927-28                                | DELHI<br>1929-30  | SIKHA<br>1929-30                              | TOTAL                        |
| Raiyatwari . . . . .                      | 0-8-10                            | 0-6-6   | —                 | 0-6-1   | 0-8-10                       |
| Zamindari temporarily settled . . . . .   | —                                 | —   | 1-4-4             | —   | 0-14-0                       |
| Zamindari permanently settled . . . . .   | —                                 | —   | —                 | —   | 0-6-5                        |
| No specified classification (3) . . . . . | —                                 | —   | —                 | —   | 0-8-7                        |
| Total . . . . .                           | 0-8-10                            | 0-6-6   | 1-4-4             | 0-6-1   | 0-9-5                        |

(\*). Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed by each acre of land in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including village communities. — (2) Whole from villages — (3) Raiyatwari with zamindari and village communities temporarily settled.

53. — INDIAN STATES. — INCIDENCE OF LAND REVENUE ASSESSMENT PER ACRE OF TOTAL AREA (ASSESSED AND NOT ASSESSED) ACCORDING TO TENURE IN 1929-30 (\*).

(RUPEES)

| CLASSIFICATION              | INDIAN STATES |            |           |               |         |
|-----------------------------|---------------|------------|-----------|---------------|---------|
|                             | MYSORE        | GUJARAT    | KASHMIR   | PUNJAB        | COCHIN  |
| Rajawari                    | (1) 0-11-2    | —          | —         | (1) (2) 1-4-1 | —       |
| Zamindari                   | —             | 0-12-0     | —         | —             | 1-11-9  |
| No specified classification | —             | —          | 0-13-5    | —             | —       |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
| Rajawari                    | —             | 1-3-9      | —         | 1-8-1         | 0-14-7  |
| Zamindari                   | (1) 1-2-0     | —          | (1) 0-9-8 | —             | —       |
| No specified classification | —             | —          | —         | —             | —       |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
| Rajawari                    | —             | 0-11-6     | —         | —             | —       |
| Zamindari                   | 0-12-2        | —          | (1) 0-1-7 | 2-0-4         | 1-7-9   |
| No specified classification | —             | —          | —         | —             | —       |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
| Rajawari                    | 0-13-9        | 1-2-5      | 1-0-1     | —             | 0-10-0  |
| Zamindari                   | —             | —          | —         | 1-10-0        | —       |
| No specified classification | —             | —          | —         | —             | —       |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
| Rajawari                    | —             | (1) 0-13-9 | 0-14-5    | 0-4-3         | —       |
| Zamindari                   | 0-6-4         | —          | —         | —             | 0-13-10 |
| No specified classification | —             | —          | —         | —             | —       |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
|                             |               |            |           |               |         |
| Rajawari                    | —             | (1) 5-5-7  | —         | 0-2-8         | 0-13-0  |
| Zamindari                   | 5-0-3         | —          | (1) 1-3-1 | —             | 6-15-2  |
| No specified classification | —             | —          | —         | —             | 0-11-3  |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed by each acre of land in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Calculated on total area by professional survey. — (2) Including whole farm villages.

54. — BRITISH INDIA. — INCIDENCE OF LAND REVENUE ASSESSMENT PER HEAD OF POPULATION OF TOTAL AREA, ACCORDING TO TENURE (\*).

(RUPEES)

| CLASSIFICATION                | BRITISH INDIA     |                   |                   |                                |                   |
|-------------------------------|-------------------|-------------------|-------------------|--------------------------------|-------------------|
|                               | MADRAS<br>1926-29 | BOMBAY<br>1925-26 | BENGAL<br>1927-28 | UNITED<br>PROVINCES<br>1926-27 | PUNJAB<br>1929-30 |
| Rajawari                      | 2-3-1             | —                 | —                 | —                              | —                 |
| Zamindari permanently settled | 0-12-5            | —                 | (1) 0-10-6        | 1-2-2                          | —                 |
| Zamindari temporarily settled | —                 | —                 | —                 | (2) 1-10-4                     | 2-8-8             |
| Other classification          | (3) 0-9-3         | —                 | —                 | —                              | —                 |
| No specified classification   | —                 | 2-10-1            | —                 | —                              | —                 |
| Total                         | 1-12-6            | 2-10-1            | 0-10-6            | 1-9-5                          | 2-8-8             |
|                               |                   |                   |                   |                                |                   |
|                               |                   |                   |                   |                                |                   |
|                               |                   |                   |                   |                                |                   |
| Rajawari                      | 4-7-11            | —                 | —                 | —                              | —                 |
| Zamindari permanently settled | —                 | (1) 0-7-8         | —                 | —                              | —                 |
| Zamindari temporarily settled | —                 | —                 | —                 | —                              | 1-4-1             |
| Other classification          | —                 | —                 | —                 | —                              | —                 |
| No specified classification   | —                 | —                 | 1-10-2            | 1-12-3                         | —                 |
| Total                         | 4-7-11            | 0-7-5             | 1-10-2            | 1-12-3                         | 1-4-1             |
|                               |                   |                   |                   |                                |                   |
|                               |                   |                   |                   |                                |                   |
|                               |                   |                   |                   |                                |                   |
| Rajawari                      | —                 | 3-12-9            | 2-8-4             | —                              | 2-14-3            |
| Zamindari permanently settled | 0-10-11           | —                 | —                 | —                              | 1-2-1             |
| Zamindari temporarily settled | (2) 1-6-2         | —                 | —                 | 0-15-5                         | —                 |
| Other classification          | —                 | —                 | —                 | —                              | 0-9-3             |
| No specified classification   | —                 | —                 | —                 | —                              | 2-3-2             |
| Total                         | 1-0-7             | 3-12-9            | 2-8-4             | 0-15-5                         | 1-9-9             |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed per head of population in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Taking account of miscellaneous revenue. — (2) Including village communities. — (3) Whole farm villages.

55. — INDIAN STATES. — INCIDENCE OF LAND REVENUE ASSESSMENT PER HEAD OF POPULATION OF TOTAL AREA, ACCORDING TO TENURE IN 1929-30 (\*).

(RUPEES)

| CLASSIFICATION                        | HYDRABAD  | MYSORE     | GWALIOR    | KASHMIR       | PUNJAB    |
|---------------------------------------|-----------|------------|------------|---------------|-----------|
| Raiyatwari . . . . .                  | 3-4-8     | 2-6-1      | —          | —             | (1) 2-3-7 |
| Zamindari . . . . .                   | —         | —          | 3-9-7      | —             | —         |
| No specified classification . . . . . | —         | —          | —          | 2-1-0         | —         |
|                                       | BANGALORE | SANDUR     | COCHIN     | INDORE        | BHOPAL    |
| Raiyatwari . . . . .                  | —         | 1-7-6      | —          | —             | —         |
| Zamindari . . . . .                   | 5-5-5     | —          | 1-2-11     | 5-15-1        | 4-1-3     |
| No specified classification . . . . . | —         | —          | —          | —             | —         |
|                                       | RAJGARH   | NARINDGARH | BARWANI    | NAGOD         | CHENNA    |
| Raiyatwari . . . . .                  | 5-11-3    | 6-15-1     | 3-1-9      | —             | 3-5-10    |
| Zamindari . . . . .                   | —         | —          | —          | 5-9-3         | —         |
| No specified classification . . . . . | —         | —          | —          | —             | —         |
|                                       | BIKANER   | JAIPOUR    | MARWAR     | ALWAR         | BORWAL    |
| Raiyatwari . . . . .                  | —         | —          | —          | —             | —         |
| Zamindari . . . . .                   | 2-5-9     | 4-15-4     | (3) 0-15-1 | (2) 4-11-6    | 5-2-8     |
| No specified classification . . . . . | —         | —          | —          | —             | —         |
|                                       | JHALWAR   | TANK       | KOTAH      | BUNH          | DHOOLPUR  |
| Raiyatwari . . . . .                  | —         | 3-13-3     | 6-13-10    | 4-11-10       | —         |
| Zamindari . . . . .                   | 5-6-10    | —          | —          | —             | 5-3-7     |
| No specified classification . . . . . | —         | —          | —          | —             | —         |
|                                       | BELASIPUR | JATH       | PHALGAN    | AONH          | SACHIN    |
| Raiyatwari . . . . .                  | 1-14-4    | —          | 5-4-9      | 4-4-5         | 9-0-0     |
| Zamindari . . . . .                   | —         | 2-15-9     | —          | —             | —         |
| No specified classification . . . . . | —         | —          | —          | —             | —         |
|                                       | DHANSAPUR | BENARES    | RANPUR     | TERRA-GARHWAL | TOTAL     |
| Raiyatwari . . . . .                  | —         | —          | 8-13-2     | —             | 3-2-6     |
| Zamindari . . . . .                   | 3-7-7     | 3-2-6      | —          | 0-15-8        | 4-4-7     |
| No specified classification . . . . . | —         | —          | —          | —             | 2-14-3    |

(\* Statistics of the incidence of land revenue assessment dealt with in these tables show only the average amount contributed per head of population in each province or State towards land revenue. They cannot be used for comparing the burden of land-revenue on land in the different tracts as no valid comparison is possible without taking into account such factors as the nature of the soil, climate, facilities for irrigation, etc.

(1) Including whole *hiss* villages. — (2) Including village communities. — (3) Incomplete returns.

JAPAN

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## THE AGRICULTURAL CENSUS IN JAPAN

The census of arable lands in Japan Proper was taken on 1 September 1929 by the Ministry of Agriculture and Forestry in cooperation with the Bureau of Statistics of the Imperial Cabinet.

The standard form of the World Agricultural Census, prepared by the International Institute of Agriculture, was taken as a basis.

No census was taken regarding agricultural tenure and production.

The data contained in this Bulletin were taken from the following sources:

- 1) Statistics of Agricultural Management and Production of Japan in 1929, communicated to the International Institute of Agriculture by the Ministry of Agriculture and Forestry, Tokyo, 1931.

- 2) *Statistical Abstract of the Ministry of Agriculture and Forestry 1933-34*, published by the Section of Statistics, Ministry of Agriculture and Forestry, Tokyo, March 1935.



## 1. — NUMBER OF HOLDINGS ACCORDING TO EXTENT OF ARABLE LAND

| CLASSIFICATION                         | NUMBER OF HOLDINGS |                         |
|--|--------------------|-------------------------|
|  | Absolute data      | Percentage of the total |
|  | number             | %                       |
| Under 0.50 hectares . . . . .          | 1,938,155          | 34.8                    |
| 0.50 hectares and under 0.99 . . . . . | 1,899,842          | 34.1                    |
| 0.99 " " " 1.98 . . . . .              | 1,220,132          | 21.9                    |
| 1.98 " " " 2.98 . . . . .              | 318,037            | 5.7                     |
| 2.98 " " " 4.96 . . . . .              | 191,169            | 2.3                     |
| 4.96 hectares and above . . . . .      | 69,248             | 1.2                     |
| Total . . . . .                        | 5,575,583          | 100.0                   |

## 2. — NUMBER OF HOLDINGS ACCORDING TO MODE OF TENURE.

| CLASSIFICATION                    | NUMBER OF HOLDINGS |                         |
|-----------------------------------|--------------------|-------------------------|
|                                   | Absolute data      | Percentage of the total |
|                                   | number             | %                       |
| Holdings run by owners . . . . .  | 1,737,438          | 31.2                    |
| Holdings run by tenants . . . . . | 1,478,214          | 26.5                    |
| Mixed holdings (1) . . . . .      | 2,359,931          | 42.3                    |
| Total . . . . .                   | 5,575,583          | 100.0                   |

(1) Holdings on part of which the occupier is owner, on part tenant.

## 3. — NUMBER OF HOLDINGS ACCORDING TO WHETHER OR NOT RUN BY PERSONS ENGAGED PRINCIPALLY IN AGRICULTURE.

| CLASSIFICATION  | NUMBER OF HOLDINGS |                         |
|---|--------------------|-------------------------|
|   | Absolute data      | Percentage of the total |
|   | number             | %                       |
| Holdings run by persons principally engaged in agriculture . . . . .  | 3,990,135          | 71.6                    |
| Holdings run by persons subsidiarily engaged in agriculture . . . . . | 1,585,448          | 28.4                    |
| Total . . . . .   | 5,575,583          | 100.0                   |

4. — NUMBER OF OWNERS OF ARABLE LAND  
ACCORDING TO AMOUNT OF ARABLE LAND OWNED.

| CLASSIFICATION                         | Number of owners     |                         |
|--|----------------------|-------------------------|
|  | Absolute data        | Percentage of the total |
|  | number               | %                       |
| Under 0.50 hectares . . . . .          | 2,508,933            | 49.8                    |
| 0.50 hectares and under 0.99 . . . . . | 1,246,245            | 24.7                    |
| 0.99 " " " 2.98 . . . . .              | 899,560              | 17.8                    |
| 2.98 " " " 4.96 . . . . .              | 272,984              | 4.4                     |
| 4.96 " " " 9.92 . . . . .              | 113,623              | 2.3                     |
| 9.92 " " " 49.59 . . . . .             | 45,445               | 0.9                     |
| 49.59 " " " above . . . . .            | 4,057                | 0.1                     |
| <b>Total . . . . .</b>                 | <b>(1) 5,040,649</b> | <b>100.0</b>            |

(1) The larger number of owners than of holdings run by owners whether entirely so or of mixed tenures (see table 2), is due to the inclusion in the former figure of owners not engaged in agriculture. The fact that the number of holdings run by tenants (table 2) is greater than the difference between number of owners and total number of holdings, that is, than the number of absolute owners, is due to some of the latter leasing to more than one tenant.

5. — LAND UTILIZATION (1).

| CLASSIFICATION  | Area              |                     |                             |
|---|-------------------|---------------------|-----------------------------|
|   | Absolute data     | Average per holding | Percentage of general total |
|   | acres             | acres               | %                           |
| <b>ARABLE (2):</b>  |                   |                     |                             |
| Irrigated fields . . . . .                                      | 7,825,162         | 1.4                 | 10.4                        |
| Upland fields . . . . .   | 4,613,713         | 0.8                 | 6.2                         |
| <b>Total . . . . .</b>  | <b>12,438,875</b> | <b>2.2</b>          | <b>16.6</b>                 |
| <b>PERMANENT MEADOW AND PASTURE:</b>                            |                   |                     |                             |
| Permanent meadow . . . . .                                      | 2,068,890         | 0.4                 | 2.8                         |
| Pasture . . . . .   | 1,612,552         | 0.3                 | 2.1                         |
| <b>Total . . . . .</b>  | <b>3,681,442</b>  | <b>0.7</b>          | <b>4.9</b>                  |
| <b>LAND CULTIVATED FOR TREES AND SHRUBS (3):</b>                |                   |                     |                             |
| Mulberries . . . . .  | 1,686,796         | 0.3                 | 2.2                         |
| Tea . . . . .   | 62,741            | 0.01                | 0.1                         |
| Orchards . . . . .  | 190,822           | 0.03                | 0.3                         |
| Bamboo groves . . . . .   | 325,880           | 0.1                 | 0.4                         |
| Other . . . . .   | 77,387            | 0.01                | 0.1                         |
| <b>Total . . . . .</b>  | <b>2,343,616</b>  | <b>0.4</b>          | <b>3.1</b>                  |
| <b>FOREST (4)</b>   | <b>47,895,439</b> | <b>8.6</b>          | <b>63.7</b>                 |
| <b>MARSH, HEATH AND OTHER LANDS PRODUCTIVE BUT UNCULTIVATED</b> | <b>5,074,097</b>  | <b>0.9</b>          | <b>6.5</b>                  |
| <b>UNPRODUCTIVE LANDS:</b>                                      |                   |                     |                             |
| Lands earmarked for future afforestation (5) . . . . .          | 3,706,695         | 0.7                 | 4.9                         |
| <b>Total of areas considered . . . . .</b>                      | <b>75,138,095</b> | <b>13.5</b>         | <b>100.0</b>                |

(1) No investigation of the total farm area has been made. — (2) Data based on the results of the agricultural census held on 1 September 1929. Lands cultivated for trees and shrubs are not included here though classified as arable in the Statistics of Japan. — (3) Data based on the results of the agricultural census held on 1 September 1929, with the exception of bamboo groves. — (4) As the end of 1927. — (5) Approximate data.

6. — AREA OF ARABLE AND OF LAND CULTIVATED FOR TREES AND SHRUBS  
(EXCLUDING BAMBOO GROVES) ACCORDING TO MODE OF TENURE (1).

| CLASSIFICATION                               | Area                 |                             |                       |                             |                   |                             |
|--|----------------------|-----------------------------|-----------------------|-----------------------------|-------------------|-----------------------------|
|  | cultivated by owners |                             | cultivated by tenants |                             | Total             |                             |
|  | Absolute data        | Percentage of general total | Absolute data         | Percentage of general total | Absolute data     | Percentage of general total |
|  | acres                | %                           | acres                 | %                           | acres             | %                           |
| <b>ARABLE LAND:</b>                          |                      |                             |                       |                             |                   |                             |
| Irrigated fields . . . . .                   | 3,505,199            | 46.7                        | 4,317,963             | 62.1                        | 7,823,162         | 54.1                        |
| Upland fields (2) . . . . .                  | 2,604,336            | 34.7                        | 2,000,377             | 28.9                        | 4,613,713         | 31.9                        |
| <b>Total . . . . .</b>                       | <b>6,109,535</b>     | <b>81.4</b>                 | <b>6,327,340</b>      | <b>91.0</b>                 | <b>12,436,875</b> | <b>86.0</b>                 |
| <b>LAND CULTIVATED FOR TREES AND SHRUBS:</b> |                      |                             |                       |                             |                   |                             |
| Mulberries . . . . .                         | 1,148,249            | 15.3                        | 538,537               | 7.8                         | 1,686,786         | 11.7                        |
| Tea . . . . .                                | 47,440               | 0.6                         | 15,301                | 0.2                         | 62,741            | 0.4                         |
| Orchards . . . . .                           | 141,163              | 1.9                         | 49,659                | 0.7                         | 190,822           | 1.3                         |
| Other . . . . .                              | 58,031               | 0.8                         | 19,356                | 0.3                         | 77,387            | 0.6                         |
| <b>Total . . . . .</b>                       | <b>1,394,883</b>     | <b>18.6</b>                 | <b>622,853</b>        | <b>9.0</b>                  | <b>2,017,736</b>  | <b>14.0</b>                 |
| <b>General total . . . . .</b>               | <b>7,504,418</b>     | <b>100.0</b>                | <b>6,950,193</b>      | <b>100.0</b>                | <b>14,454,611</b> | <b>100.0</b>                |

(1) Based on the results of the agricultural census held on 1 September, 1929. — (2) Excluding land cultivated for trees and shrubs.

7. — AREA AND PRODUCTION OF PRINCIPAL CROPS IN 1929.

| CROPS  | Area (1)          |                          | Production      |                |
|--|-------------------|--------------------------|-----------------|----------------|
|  | Absolute data     | Average per 100 holdings | Absolute data   | Yield per acre |
|  | acres             | acres                    | 1,000 lb.       | lb.            |
| <b>CEREALS CUT FOR GRAIN:</b>                            |                   |                          |                 |                |
| Wheat . . . . .  | 1,213,091         | 21.8                     | 1,913,408       | 1,577          |
| Barley . . . . .   | 998,713           | 17.3                     | 1,708,274       | 1,705          |
| Naked barley . . . . .                                   | 1,227,885         | 22.0                     | 2,249,857       | 1,824          |
| Oats . . . . .   | 289,451           | 5.2                      | 353,456         | 1,221          |
| Indian millet . . . . .                                  | 192,893           | 3.5                      | 238,979         | 1,187          |
| Coarsefoot panic . . . . .                               | 84,565            | 1.5                      | 62,775          | 744            |
| Proso millet . . . . .                                   | 46,669            | 0.8                      | 46,560          | 1,002          |
| Maze . . . . .   | 109,704           | 2.0                      | 146,067         | 1,331          |
| Rice . . . . .   | 7,848,124         | 141.1                    | (*) 107,426,356 | (*) 14         |
| Buckwheat . . . . .                                      | 230,680           | 3.9                      | 181,080         | 823            |
| <b>Total cereals . . . . .</b>                           | <b>12,218,665</b> | <b>219.1</b>             | <b>—</b>        | <b>—</b>       |
| <b>LEGUMINOUS CROPS FOR SEED:</b>                        |                   |                          |                 |                |
| Soye . . . . .   | 849,978           | 15.2                     | 755,109         | 888            |
| Green gram . . . . .                                     | 270,814           | 4.9                      | 341,437         | 892            |
| <b>Total . . . . .</b>                                   | <b>1,120,792</b>  | <b>20.1</b>              | <b>—</b>        | <b>—</b>       |
| <b>TUBER AND ROOT CROPS FOR FOOD OR FEEDER:</b>          |                   |                          |                 |                |
| Potatoes . . . . .                                       | 242,048           | 4.4                      | 2,664,446       | 8,528          |
| Sweet potatoes . . . . .                                 | 618,600           | 11.1                     | 6,624,195       | 10,708         |
| Taro . . . . .   | 123,668           | 2.2                      | 1,269,646       | 10,267         |
| Radishes, green . . . . .                                | 247,000           | 4.4                      | 5,349,263       | 21,657         |
| Turkeys . . . . .  | 24,595            | 0.4                      | 329,588         | 13,035         |
| Carrots . . . . .  | 24,012            | 0.4                      | 242,734         | 10,109         |
| Burdocks . . . . .                                       | 38,532            | 0.7                      | 467,484         | 10,375         |
| Economic lotus . . . . .                                 | 8,733             | 0.2                      | 109,298         | 12,511         |
| <b>Total . . . . .</b>                                   | <b>1,327,206</b>  | <b>23.8</b>              | <b>—</b>        | <b>—</b>       |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY:</b> |                   |                          |                 |                |
| Grasses and leguminous plants cut for hay . . . . .      | (2) 33,891        | —                        | (2) 43,263      | —              |

(\*) Hectolitres.

7. — AREA CULTIVATED <sup>(1)</sup> AND PRODUCTION OF THE PRINCIPAL CROPS IN 1929 (continued).

| CROPS   | Area (1)      |                          | Production     |                |
|---|---------------|--------------------------|----------------|----------------|
|   | Absolute data | Average per 100 holdings | Absolute data  | Yield per acre |
|   | acres         | acres                    | 1,000 lb.      | lb.            |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>  |               |                          |                |                |
| Sugar-cane  | 63,692        | 1.2                      | 2,123,833      | 33,345         |
| <b>Fiber crops:</b>   |               |                          |                |                |
| Hemp  | 19,047        | 0.3                      | 17,780         | 933            |
| Ramie   | 395           | 0.01                     | 171            | 444            |
| Flax  | 25,951        | 0.5                      | 38,905         | 1,499          |
| Jute  | 1,422         | 0.03                     | 1,961          | 1,379          |
| Cotton (raw)  | 1,794         | 0.03 (3)                 | 1,385 (3)      | 772            |
| <b>Total of fiber crops</b>   | 48,599        | 0.9                      | —              | —              |
| <b>Oilseed crops:</b>   |               |                          |                |                |
| Rapeseed  | 174,518       | 3.1                      | 1,644          | 9              |
| Sesame  | 11,844        | 0.2                      | 75             | 6              |
| Flax  | (25,951)      | 0.5                      | 6,912          | 262            |
| <b>Total of oilseed crops</b>   | 196,362       | 3.3                      | —              | —              |
| <b>Other industrial crops:</b>  |               |                          |                |                |
| Rushes  | 13,161        | 0.2                      | 120,154        | 9,128          |
| Stachitos ( <i>Cyperus malaccensis</i> )  | 6,630         | 0.1                      | 39,264         | 5,922          |
| Towel gourd ( <i>Luffa aegyptiaca</i> )   | 615           | 0.01 (4)                 | 4,801,676 (4)  | 7,813          |
| Indigo  | 2,226         | 0.04                     | 3,758          | 1,688          |
| Insecticide plants  | 29,567        | 0.5                      | 12,576         | 425            |
| Cuckoo-bit  | 19,062        | 0.3                      | 117,195        | 6,148          |
| Peppermint  | 36,861        | 0.7                      | 93,522         | 2,537          |
| Ginseng   | 292           | 0.01                     | 204            | 699            |
| Tobacco   | 88,329        | 1.6                      | 136,209        | 1,542          |
| <b>Total of other industrial crops</b>  | 196,741       | 3.3                      | —              | —              |
| <b>Total of crops for industrial purposes</b>   | 495,394       | 8.9                      | —              | —              |
| <b>VEGETABLES:</b>  |               |                          |                |                |
| Peanut  | 129,250       | 2.3                      | 130,524        | 1,010          |
| Horse beans   | 162,829       | 1.8                      | 135,846        | 1,321          |
| Kidney beans  | 203,749       | 3.7                      | 204,461        | 1,003          |
| Cucumbers   | 40,625        | 0.7                      | 503,149        | 12,385         |
| Squash cucumbers  | 13,314        | 0.2                      | 162,432        | 12,200         |
| Pumpkins  | 48,587        | 0.9                      | 558,341        | 11,493         |
| Water-melons  | 43,817        | 0.8                      | 684,076        | 15,612         |
| Musk-melons   | 11,093        | 0.2                      | 102,197        | 9,213          |
| Egg-plants  | 67,236        | 1.2                      | 927,705        | 13,796         |
| Tomatoes  | 4,048         | 0.1                      | 61,969         | 15,313         |
| Welsh onion   | 41,574        | 0.7                      | 465,075        | 11,167         |
| Onions  | 15,219        | 0.3                      | 236,357        | 15,544         |
| Cabbages  | 18,899        | 0.3                      | 290,249        | 15,357         |
| Taro ( <i>Colocasia esculenta</i> var.)   | 92,221        | 1.7                      | 1,356,877      | 14,715         |
| Groundnuts  | 14,352        | 0.3                      | 22,658         | 1,579          |
| <b>Total of vegetables</b>  | 866,813       | 15.2                     | —              | —              |
| <b>Lilies</b>   | 1,850         | 0.03 (4)                 | 33,876,200 (4) | 18,432         |
| <b>Seven land from which no crop was harvested in 1929 because of crop failure or destruction</b> | 56,645        | 1.0                      | —              | —              |
| <b>GRASSES AND LEGUMINOUS PLANTS CHIEFLY UTILIZED AS GREEN MANURE:</b>                            |               |                          |                |                |
| Genge ( <i>Astragalus sinensis</i> , L.)  | 486,261       | 12.3                     | 8,767,055      | 12,775         |
| Toothed bear clover   | 23,189        | 0.4                      | 158,966        | 6,855          |
| Horse-beans and peas  | 16,655        | 0.3                      | 184,248        | 11,065         |
| Soya utilized as green manure   | 308,432       | 5.3                      | 2,303,991      | 7,470          |
| Others  | 13,897        | 0.3                      | 166,914        | 12,011         |
| <b>Total</b>  | 1,048,434     | 18.8                     | —              | —              |

7. — AREA CULTIVATED <sup>(1)</sup> AND PRODUCTION OF THE PRINCIPAL CROPS IN 1929 (concluded).

| CROPS                                     | Area (1)      |                          | Production        |                |
|---|---------------|--------------------------|-------------------|----------------|
|   | Absolute data | Average per 100 holdings | Absolute data     | Yield per acre |
|   | acres         | acres                    | 1,000 lb.         | lb.            |
| <b>IRRIGABLE LANDS LYING FALLOW (5)</b>   | 186,809       | 3.4                      | —                 | —              |
| <b>PERMANENT MEADOW AND PASTURE</b>       | 3,681,442     | 66.0                     | —                 | —              |
| <b>MISCELLANEOUS PLANTATIONS:</b>         |               |                          |                   |                |
| Paper mulberry                            | 33,287        | 0.6                      | 30,761            | 924            |
| Indian paper tree                         | 32,159        | 0.6                      | 26,346            | 819            |
| Quercus                                   | 3,015         | 0.1                      | 6,003             | 1,991          |
| Wax berry bushes                          | 14,779        | 0.3                      | 43,550            | 2,949          |
| <b>Tea:</b>                               |               |                          |                   |                |
| Green tea                                 | —             | —                        | (6) 86,824        | —              |
| Black tea                                 | —             | —                        | (6) 22            | —              |
| <b>Total of tea</b>                       | (7) 62,741    | (7) 1.1                  | (6) 86,846        | —              |
| Mulberry                                  | 1,686,786     | 30.2 (8)                 | 14,854,950 (8)    | 8,807          |
| Barberry                                  | (8) 325,800   | (8) 5.8                  | (9) 4,522,092 (9) | 14             |
| <b>Total of miscellaneous plantations</b> | 2,158,631     | 38.7                     | —                 | —              |

(1) The total of arable land resulting from this table and that of arable land given in tables 5 and 6 do not coincide, for two reasons: (a) if the same area is cultivated contemporaneously or successively for more than one product (as in the case of mixed crops or multiple crops) it is counted more than once; — (b) all crops were not covered by the census. — (2) Hokkaido only. — (3) The total net weight ginned was 35 % of this figure. — (4) Number. — (5) Upland fields lying fallow were not covered by the census. — (6) Quantity of tea manufactured. — (7) Principal crops only. — (8) Investigated in 1927. — (9) Given only in bundles, that is, a number of lambeos tied together with a straw rope of 1 meter length.

8. — VINES AND ORCHARD FRUITS IN 1929.

| CLASSIFICATION                      | Area          |                          |                                 | NUMBER OF VINES OR TREES IN BEARING |             |           | PRODUCTION    |           |      |
|-------------------------------------|---------------|--------------------------|---------------------------------|-------------------------------------|-------------|-----------|---------------|-----------|------|
|                                     | Absolute data | Average per 100 holdings | Percentage of the general total | Absolute data                       | Average per |           | Absolute data | Yield per |      |
|                                     |               |                          |                                 |                                     | holding     | acre      |               | acre      | tree |
|                                     | acres         | acres                    | %                               | number                              | number      | number    | 1,000 lb.     | lb.       | lb.  |
| <b>A) Vines</b>                     | 15,770        | 0.3                      | 3.5                             | 5,147,965                           | 0.9         | 326.4 (1) | 106,196       | 6,754     | 20.6 |
| <b>B) Orchard fruits:</b>           |               |                          |                                 |                                     |             |           |               |           |      |
| Date ( <i>Phoenix dactylifera</i> ) | 28,387        | 0.4                      | 8.5                             | 4,975,622                           | 0.9         | 204.0     | 107,418       | 4,405     | 21.6 |
| Peaches                             | 17,387        | 0.3                      | 6.1                             | 5,676,287                           | 1.0         | 326.5     | 106,464       | 6,123     | 18.8 |
| Cherries                            | 2,409         | 0.04                     | 0.8                             | 294,981                             | 0.1         | 122.4     | 7,225         | 2,999     | 24.5 |
| Lemons                              | 7,221         | 0.1                      | 2.5                             | 1,767,811                           | 0.3         | 244.8     | 31,826        | 4,407     | 18.0 |
| Pears, native                       | 27,498        | 0.5                      | 9.6                             | 8,415,928                           | 1.5         | 396.1     | 323,846       | 11,777    | 38.5 |
| Pears, foreign                      | 687           | 0.01                     | 0.2                             | 269,939                             | 0.04        | 305.6     | 5,196         | 7,566     | 24.8 |
| Apples                              | 19,746        | 0.4                      | 6.9                             | 2,820,384                           | 0.5         | 142.8     | 207,805       | 10,483    | 73.4 |
| Persimmons                          | 79,893        | 1.4                      | 27.8                            | 13,040,089                          | 2.3         | 163.2     | 531,374       | 6,651     | 40.7 |
| Mandarins                           | 66,356        | 1.2                      | 23.1                            | 20,968,463                          | 3.8         | 316.3     | 495,510       | 7,467     | 23.6 |
| Oranges, naval                      | 4,925         | 0.1                      | 1.7                             | 1,406,913                           | 0.3         | 285.7     | 36,714        | 7,455     | 26.1 |
| Oranges, bitter                     | 12,526        | 0.2                      | 4.3                             | 3,269,606                           | 0.6         | 285.3     | 144,924       | 11,665    | 44.0 |
| Oranges, other                      | 8,599         | 0.2                      | 3.0                             | 2,281,056                           | 0.4         | 285.3     | 52,110        | 6,060     | 22.8 |
| <b>Total B)</b>                     | 271,434       | 4.9                      | 94.5                            | —                                   | —           | —         | —             | —         | —    |
| <b>General total</b>                | 287,204       | 5.2                      | 100.0                           | —                                   | —           | —         | —             | —         | —    |

(1) Grapes.

9. — NUMBER OF YOUNG FRUIT TREES AND YOUNG MULBERRY TREES SOLD BY GROWERS <sup>(1)</sup>  
IN 1929 <sup>(2)</sup> AND AMOUNT RECEIVED FROM SALE.

| CLASSIFICATION                     | YOUNG FRUIT TREES |                         |                                      | AMOUNT RECEIVED FROM SALE |                             |                                      |                             |
|------------------------------------|-------------------|-------------------------|--------------------------------------|---------------------------|-----------------------------|--------------------------------------|-----------------------------|
|                                    | Absolute data     | Average per planter (1) | Percentage of total of each category | Absolute data             | Average per 100 fruit-trees | Percentage of total of each category | Percentage of total general |
|                                    | number            | number                  | %                                    | Yen                       | Yen                         | %                                    | %                           |
| <b>A) Fruit trees and vines:</b>   |                   |                         |                                      |                           |                             |                                      |                             |
| Apples . . . . .                   | 1,453,554         | 107.7                   | 14.0                                 | 48,271                    | 3.32                        | 5.7                                  | 0.8                         |
| Citrus . . . . .                   | 2,238,527         | 165.8                   | 21.5                                 | 304,228                   | 13.59                       | 35.9                                 | 5.0                         |
| Peaches . . . . .                  | 1,195,427         | 88.6                    | 11.5                                 | 70,923                    | 5.93                        | 8.4                                  | 1.2                         |
| Pears . . . . .                    | 1,057,379         | 78.3                    | 10.2                                 | 60,028                    | 5.68                        | 7.1                                  | 1.0                         |
| Perseemons . . . . .               | 1,725,349         | 127.8                   | 16.6                                 | 182,452                   | 10.57                       | 21.5                                 | 3.0                         |
| Vines . . . . .                    | 754,009           | 55.9                    | 7.2                                  | 46,940                    | 6.23                        | 5.5                                  | 0.8                         |
| Others . . . . .                   | 1,992,452         | 147.6                   | 19.0                                 | 135,085                   | 6.78                        | 15.9                                 | 2.2                         |
| <b>Total . . . . .</b>             | <b>10,416,679</b> | <b>771.6</b>            | <b>100.0</b>                         | <b>847,927</b>            | <b>8.14</b>                 | <b>100.0</b>                         | <b>14.0</b>                 |
| <b>B) Mulberry trees . . . . .</b> |                   |                         |                                      |                           |                             |                                      |                             |
|                                    | 400,848,802       | 2,572.5                 | 100.0                                | 5,211,969                 | 1.27                        | 100.0                                | 86.0                        |
| <b>General total . . . . .</b>     | <b>—</b>          | <b>—</b>                | <b>—</b>                             | <b>6,059,896</b>          | <b>—</b>                    | <b>—</b>                             | <b>100.0</b>                |

(1) In 1929 the number of planters of fruit trees was 13,500 and that of planters of mulberry trees 163,122. — (2) Year ending June 1929 for fruit trees and May 1929 for mulberry trees.

10. — WOODS AND FORESTS <sup>(1)</sup>.

| CLASSIFICATION                    | Area              |                         |
|-----------------------------------|-------------------|-------------------------|
|                                   | Absolute data     | Percentage of the total |
|                                   | acres             | %                       |
| Coppices . . . . .                | 17,052,624        | 35.6                    |
| Other woods and forests . . . . . | 30,842,806        | 64.4                    |
| <b>Total . . . . .</b>            | <b>47,895,430</b> | <b>100.0</b>            |

(1) At the end of 1927. Not including bare tracts and bamboo groves (325,877 acres).

11. — FOREST PRODUCTION.

| CLASSIFICATION   | Unit of measure | Production        |
|--|-----------------|-------------------|
| Wood for fuel cut in 1929 . . . . .                                  | (1) cubic feet  | (1) 1,834,442,619 |
|  | (2) bundles     | 1,133,498         |
| Wood for all other purposes . . . . .                                | cubic feet      | (3) 506,195,957   |
| <b>Other forest products</b>   |                 |                   |
| Products directly or indirectly to be used for human consumption:    |                 |                   |
| Chestnut . . . . .   | hectolitres     | 255,321           |
| Walnut . . . . .   | "               | 14,074            |
| Matsutake (mushroom naturally grown under pine-trees) . . . . .      | 1,000 lb.       | 15,857            |
| Shitake (mushroom artificially grown under chestnut-trees) . . . . . | "               | 2,300             |
| Bamboo sprouts . . . . .   | "               | 123,994           |
| Wasabi (Eutrema wasabi) . . . . .                                    | "               | 3,840             |
| Charcoal . . . . .   | "               | (4) (3,994,215)   |
| <b>Resin and resinous products:</b>                                  |                 |                   |
| Resin . . . . .  | "               | 17                |
| Seeds for afforestation . . . . .                                    | hectolitres     | 874               |
| Fruits, nuts and berries . . . . .                                   | "               | 53,129            |
| <b>Barks . . . . .</b>   |                 |                   |
|  | (2) square feet | 428,896,757       |
|  | (2) bundles     | 168,026           |
|  | 1,000 lb.       | 3,537             |
| Bamboo sheaths . . . . .   | "               | 11,062            |
| Grasses, green . . . . .   | "               | 8,615,642         |
| Vines and ferns . . . . .  | "               | 2,164             |
| Wood-wool . . . . .  | hectolitres     | 3,797             |
| Calcium acetate . . . . .  | 1,000 lb.       | 2,287             |
| Galls . . . . .  | "               | 405               |

(1) Heap measure; this figure is equal to 1,284,109,853 cubic feet. — (2) A bundle means a number of bamboos tied up with a straw rope of 1 m. in length. — (3) Heap measure. — (4) Wood utilized as raw material is included under "Wood for fuel cut in 1929".

12. — AGRICULTURAL POWER MACHINERY AT END OF SEPTEMBER 1927.

| CLASSIFICATION   | Number of machines      | Average per 100 holdings |
|--|-------------------------|--------------------------|
|  | number                  | number                   |
|  | <b>POWER MACHINERY:</b> |                          |
| Electric motors . . . . .  | 11,603                  | 0.2                      |
| Oil engines . . . . .  | 39,405                  | 0.7                      |
| Gas engines . . . . .  | 367                     | 0.01                     |
| Steam engines . . . . .  | 252                     | 0.005                    |
| Water wheels and turbines . . . . .                                  | 37,354                  | 0.7                      |
| Animal gears . . . . .   | 33,084                  | 0.6                      |
| <b>MACHINES AND IMPLEMENTS FOR WORKING THE SOIL:</b>                 |                         |                          |
| Tillage implements and machinery . . . . .                           | 119                     | 0.002                    |
| <b>MACHINES AND IMPLEMENTS FOR THE TREATMENT OF HARVESTED CROPS:</b> |                         |                          |
| Threshers . . . . .  | 20,820                  | 0.5                      |
| Rice-hullers . . . . .   | 30,091                  | 0.7                      |
| Rice or barley cleaning machinery . . . . .                          | 25,153                  | 0.5                      |
| Soya crushers . . . . .  | 5,841                   | 0.1                      |
| Grain driers . . . . .   | 118                     | 0.002                    |
| Mills . . . . .  | 3,264                   | 0.1                      |
| <b>OTHER MACHINES AND IMPLEMENTS:</b>                                |                         |                          |
| Centrifugal pumps . . . . .  | 11,180                  | 0.2                      |
| Cylindrical pumps . . . . .  | 6,233                   | 0.1                      |

## 13. — CONSUMPTION OF PRINCIPAL FERTILIZERS IN 1929.

| CLASSIFICATION                    | QUANTITY CONSUMED | AVERAGE PER HOLDING |
|-----------------------------------|-------------------|---------------------|
|                                   | 1,000 lb.         | lb.                 |
| <b>A) NATURAL FERTILIZERS:</b>    |                   |                     |
| Compost . . . . .                 | 51,118,141        | 9,188               |
| Green manure . . . . .            | 13,931,008        | 2,499               |
| Human manure . . . . .            | 36,530,236        | 6,552               |
| Other . . . . .                   | 18,778,161        | 3,368               |
| <b>B) COMMERCIAL FERTILIZERS:</b> |                   |                     |
| <i>Animal fertilizers:</i>        |                   |                     |
| Pressed herrings . . . . .        | 118,301           | 22                  |
| Pressed sardines . . . . .        | 125,479           | 23                  |
| Dried sardines . . . . .          | 25,695            | 5                   |
| Fish meal . . . . .               | 164,311           | 29                  |
| <i>Vegetable fertilizers:</i>     |                   |                     |
| Soy-bean cake . . . . .           | 2,234,348         | 401                 |
| Rapeseed cake . . . . .           | 271,024           | 49                  |
| Cottonseed cake . . . . .         | 224,775           | 40                  |
| <i>Mineral fertilizers:</i>       |                   |                     |
| Superphosphate of lime . . . . .  | 1,221,744         | 219                 |
| Sodium nitrate . . . . .          | 179,503           | 32                  |
| Ammonium sulphate . . . . .       | 710,151           | 127                 |
| Calcium cyanamide . . . . .       | 190,092           | 34                  |
| Potassium sulphate . . . . .      | 98,326            | 16                  |
| Other Potassium salts . . . . .   | 29,185            | 5                   |
| Mixed fertilizers . . . . .       | 1,719,488         | 308                 |

14. — LIVESTOCK REARERS AND ANIMALS REARED BY THEM IN 1929 <sup>(1)</sup>  
ACCORDING TO SPECIES.

| CLASSIFICATION           | NUMBER OF REARERS | NUMBER OF ANIMALS | AVERAGE NUMBER OF ANIMALS PER REARER |
|--------------------------|-------------------|-------------------|--------------------------------------|
|                          | number            | number            | number                               |
| Horse rearers . . . . .  | 1,120,617         | 1,490,360         | 1.3                                  |
| Cattle rearers . . . . . | 1,208,042         | 1,488,240         | 1.2                                  |
| Sheep rearers . . . . .  | 4,696             | 20,728            | 4.4                                  |
| Goat rearers . . . . .   | 84,484            | 215,439           | 2.6                                  |
| Swine rearers . . . . .  | 392,718           | 706,151           | 1.8                                  |
| Fowl rearers . . . . .   | 3,488,622         | 48,258,520        | 14.0                                 |
| Duck rearers . . . . .   | 49,270            | 537,088           | 10.9                                 |
| Bees keepers . . . . .   | 37,658            | 154,140           | 3.6                                  |

(1) At end of year for all rearers except those of fowls and ducks, who were enumerated on 30 June.

15. — LIVESTOCK IN 1929 <sup>(1)</sup>.

| CLASSIFICATION                                      | NUMBER        |   |                          | PERCENTAGE OF TOTAL OF THE RESPECTIVE SPECIES |
|---|---------------|---|--------------------------|---|
|   | Absolute data | Average per 100 rearers of the respective species (2) | Average per 100 holdings | %   |
|   | number        | number  | number                   | %   |
| <b>HORSES:</b>                                      |               |   |                          |   |
| Colts and fillies under 1 year old . . . . .        | 95,175        | 8.5   | 1.7                      | 6.4   |
| Young stock over 1 and under 3 years old . . . . .  | 83,628        | 7.4   | 1.5                      | 5.6   |
| Stallions (3) 3 years old and over:                 |               |   |                          |   |
| Native . . . . .                                    | 30            | 0.003   | 0.001                    | 0.002   |
| Crossbred . . . . .                                 | 2,359         | 0.2   | 0.04                     | 0.2   |
| Foreign, imported . . . . .                         | 541           | 0.05  | 0.01                     | 0.04  |
| Foreign, raised at home . . . . .                   | 2,368         | 0.2   | 0.04                     | 0.2   |
| <i>Total of stallions (3) . . . . .</i>             | 5,298         | 0.5   | 0.1                      | 0.4   |
| Mares and geldings 3 years old and over . . . . .   | 1,306,259     | 116.6   | 23.4                     | 87.6  |
| <i>Total of horses . . . . .</i>                    | 1,490,360     | 133.0   | 26.7                     | 100.0   |
| <b>CATTLE:</b>                                      |               |   |                          |   |
| Calves under 1 year old . . . . .                   | 157,374       | 13.0  | 2.8                      | 10.6  |
| Heifers and cows 1 year old and over:               |               |   |                          |   |
| Kept for milk . . . . .                             | 72,281        | 6.0   | 1.3                      | 4.9   |
| Kept exclusively for reproduction . . . . .         | 297,280       | 24.6  | 5.3                      | 20.0  |
| Others . . . . .                                    | 624,031       | 51.6  | 11.2                     | 41.9  |
| <i>Total of heifers and cows . . . . .</i>          | 993,592       | 82.2  | 17.8                     | 66.8  |
| Bulls for reproduction (3) 1 year old and over:     |               |   |                          |   |
| Native . . . . .                                    | 3,635         | 0.3   | 0.1                      | 0.2   |
| Crossbred . . . . .                                 | 79            | 0.01  | 0.001                    | 0.01  |
| Foreign . . . . .                                   | 209           | 0.02  | 0.004                    | 0.01  |
| <i>Total of bulls (3) . . . . .</i>                 | 4,639         | 0.5   | 0.2                      | 0.4   |
| Other cattle 1 year old and over . . . . .          | 330,615       | 27.4  | 5.9                      | 22.2  |
| <i>Total of cattle . . . . .</i>                    | 1,488,240     | 123.1   | 26.7                     | 100.0   |
| <b>SHEEP:</b>                                       |               |   |                          |   |
| Young sheep under 1 year old . . . . .              | 4,589         | 97.7  | 0.1                      | 22.1  |
| All other sheep 1 year old and over . . . . .       | 16,139        | 343.5   | 0.3                      | 77.9  |
| <i>Total of sheep . . . . .</i>                     | 20,728        | 441.2   | 0.4                      | 100.0   |
| <b>GOATS:</b>                                       |               |   |                          |   |
| Young goats under 1 year old . . . . .              | 74,064        | 87.7  | 1.3                      | 34.4  |
| All other goats 1 year old and over . . . . .       | 141,375       | 167.3   | 2.6                      | 65.6  |
| <i>Total of goats . . . . .</i>                     | 215,439       | 255.0   | 3.9                      | 100.0   |
| <b>SWINE:</b>                                       |               |   |                          |   |
| Pigs under 10 months old . . . . .                  | 389,466       | 99.2  | 7.0                      | 55.1  |
| Boars for breeding 10 months old and over . . . . . | 8,844         | 2.2   | 0.2                      | 1.5   |
| All other pigs 10 months old and over . . . . .     | 307,847       | 78.4  | 5.5                      | 43.6  |
| <i>Total of pigs . . . . .</i>                      | 706,151       | 179.8   | 12.7                     | 100.0   |
| <b>FOWLS:</b>                                       |               |   |                          |   |
| Young fowls under 6 months old at 30 June . . . . . | 21,841,971    | 635.2   | 391.7                    | 45.3  |
| Matured fowls 6 months old and over at 30 June:     |               |   |                          |   |
| Male . . . . .                                      | 3,849,478     | 111.9   | 69.0                     | 8.0   |
| Female . . . . .                                    | 22,567,071    | 656.3   | 404.8                    | 46.7  |
| <i>Total of matured fowls . . . . .</i>             | 26,416,549    | 768.2   | 473.8                    | 54.7  |
| <i>Total of fowls . . . . .</i>                     | 48,258,520    | 1,403.4   | 865.5                    | 100.0   |

15. — LIVESTOCK IN 1929 <sup>(1)</sup> (concluded).

| CLASSIFICATION                                      | NUMBER        |   |                          | PERCENTAGE OF TOTAL OF THE RESPECTIVE SPECIES |
|---|---------------|---|--------------------------|---|
|   | Absolute data | Average per 100 rearers of the respective species (2) | Average per 100 holdings |   |
|   | number        | number  | number                   | %   |
| <b>Ducks:</b>                                       |               |   |                          |   |
| Young ducks under 6 months old at 30 June . . . . . | 271,099       | 554.3   | 4.9                      | 50.5  |
| Matured ducks 6 months old and over at 30 June:     |               |   |                          |   |
| Male . . . . .                                      | 66,636        | 135.2   | 1.2                      | 12.4  |
| Female . . . . .                                    | 197,353       | 400.6   | 3.5                      | 36.8  |
| Total of matured ducks . . . . .                    | 263,989       | 535.8   | 4.7                      | 49.2  |
| Total of ducks . . . . .                            | 537,088       | 1,090.1   | 9.6                      | 100.0   |
| <b>Hares and rabbits (3):</b>                       |               |   |                          |   |
| Under 4 months old . . . . .                        | 540,337       | —   | 9.7                      | 59.0  |
| 4 months old and over . . . . .                     | 844,663       | —   | 15.1                     | 61.0  |
| Total . . . . .                                     | 1,385,000     | —   | 24.8                     | 100.0   |
| <b>Bees:</b>  |               |   |                          |   |
| Native hives . . . . .                              | 66,029        | 177.5   | 1.2                      | 49.8  |
| Foreign hives . . . . .                             | 67,311        | 178.7   | 1.2                      | 50.2  |
| Total number of hives . . . . .                     | 133,340       | 356.2   | 2.4                      | 100.0   |

(1) At the end of 1929 for horses, cattle, sheep, goats and swine, and at 30 June 1929 for hares and ducks. — (2) See in preceding table the number of rearers of each species of livestock. — (3) Licensed by the Government. — (4) Of which 72,542 are capable of milking. — (5) At end of 1928.

## 16. — FOREIGN (PEDIGREE) AND CROSSBRED BULLS ACCORDING TO BREED.

| VARIETY                  | FOREIGN (PEDIGREE) |                     | CROSSBRED     |                     |
|--------------------------|--------------------|---------------------|---------------|---------------------|
|                          | Absolute data      | Percentage of total | Absolute data | Percentage of total |
|                          | number             | %                   | number        | %                   |
| Holstein . . . . .       | 2,409              | 88.0                | 121           | 57.9                |
| Ayrshire . . . . .       | 122                | 4.5                 | —             | —                   |
| Jersey . . . . .         | 22                 | 0.8                 | —             | —                   |
| Shorthorn . . . . .      | 177                | 6.5                 | 75            | 35.9                |
| Guernsey . . . . .       | 3                  | 0.1                 | —             | —                   |
| Aberdeen-Angus . . . . . | 3                  | 0.1                 | —             | —                   |
| Simmentaler . . . . .    | —                  | —                   | 12            | 5.7                 |
| Brown Swiss . . . . .    | —                  | —                   | 1             | 0.5                 |
| Total . . . . .          | 2,736              | 100.0               | 209           | 100.0               |

## 17. — CHANGE IN NUMBER OF LIVESTOCK IN 1929.

| SPECIES          | INCREASE |          |         | DECREASE |             |          |         | EXCESS OF INCREASE (+) OR DECREASE (-) |
|------------------|----------|----------|---------|----------|-------------|----------|---------|--|
|                  | Produced | Imported | Total   | Perished | Slaughtered | Exported | Total   |  |
|                  | number   | number   | number  | number   | number      | number   | number  | number                                 |
| Horses . . . . . | 116,598  | 362      | 116,960 | 30,498   | 77,224      | 645      | 108,367 | + 8,593                                |
| Cattle . . . . . | 208,096  | 48,677   | 256,773 | 16,099   | 329,004     | 658      | 345,761 | - 88,988                               |
| Sheep . . . . .  | 6,064    | 507      | 6,571   | 2,096    | 874         | —        | 2,970   | + 3,601                                |
| Goats . . . . .  | 74,026   | 2        | 74,028  | 8,570    | 12,986      | 2        | 21,558  | + 52,670                               |
| Swine . . . . .  | 487,666  | 15       | 487,681 | 62,889   | 862,580     | 18,812   | 944,282 | - 456,571                              |

18. — PRODUCERS OF MILK AND QUANTITIES PRODUCED IN 1929 <sup>(1)</sup>.

| CLASSIFICATION               | NUMBER OF ESTABLISHMENTS | NUMBER OF COWS | QUANTITY OF MILK |                   |            |
|------------------------------|--------------------------|----------------|------------------|-------------------|------------|
|                              |                          |                | total            | per establishment | per cow    |
|                              | number                   | number         | Imp. gallons     | Imp. gall.        | Imp. gall. |
| Licensed dairies . . . . .   | 5,711                    | 44,721         | 20,893,713       | 3,659             | 467        |
| Farmers and others . . . . . | 13,610                   | 27,560         | 14,906,046       | 1,095             | 541        |
| Total . . . . .              | 19,321                   | 72,281         | 35,799,759       | 1,853             | 495        |

(1) Excluding milk for producers' consumption.

19. — PRODUCTION OF DAIRY FACTORIES IN 1929 <sup>(1)</sup>.

| CLASSIFICATION           | QUANTITY      |                     |
|--------------------------|---------------|---------------------|
|                          | Absolute data | Percentage of total |
|                          | 1,000 lb.     | %                   |
| Condensed milk . . . . . | 24,063        | 65.0                |
| Powdered milk . . . . .  | 1,204         | 3.3                 |
| Butter . . . . .         | 3,018         | 8.2                 |
| Margarine . . . . .      | 2,658         | 6.9                 |
| Cheese . . . . .         | 87            | 0.2                 |
| Other . . . . .          | 6,055         | 16.4                |
| Total . . . . .          | 36,995        | 100.0               |

(1) In 1929 there were 261 dairy factories in operation.

## 20. — SLAUGHTERINGS AND MEAT PRODUCTION IN 1929.

| CLASSIFICATION        | ANIMALS<br>SLAUGHTERED | MEAT<br>PRODUCED | AVERAGE<br>PRODUCTION<br>OF MEAT<br>PER<br>ANIMAL | PERCENTAGE<br>OF<br>GENERAL<br>TOTAL |           |
|-----------------------|------------------------|------------------|---|--------------------------------------|-----------|
|                       |                        |                  |   | number                               | 1,000 lb. |
| <b>HORSES:</b>        |                        |                  |   |                                      |           |
| Male                  | 41,874                 | 12,022           | 287   | 5.4                                  |           |
| Female                | 35,350                 | 9,129            | 258   | 4.3                                  |           |
| Total                 | 77,224                 | 21,151           | 274   | 9.5                                  |           |
| <b>CATTLE:</b>        |                        |                  |   |                                      |           |
| Calves, male          | 25,861                 | 2,457            | 95  | 1.1                                  |           |
| Calves, female        | 2,236                  | 272              | 122   | 0.1                                  |           |
| Total of calves       | 28,097                 | 2,729            | 97  | 1.2                                  |           |
| Other cattle, male    | 123,955                | 45,326           | 366   | 20.2                                 |           |
| Other cattle, female  | 176,972                | 65,131           | 368   | 29.0                                 |           |
| Total of other cattle | 300,927                | 110,457          | 367   | 49.2                                 |           |
| Total of cattle       | 329,024                | 113,186          | 366   | 50.4                                 |           |
| <b>SWINE:</b>         |                        |                  |   |                                      |           |
| Male                  | 352,411                | 36,852           | 103   | 16.4                                 |           |
| Female                | 505,149                | 53,030           | 105   | 23.6                                 |           |
| Total                 | 857,560                | 89,882           | 104   | 40.0                                 |           |
| <b>SHEEP:</b>         |                        |                  |   |                                      |           |
| Male                  | 639                    | 27               | 42  | 0.01                                 |           |
| Female                | 235                    | 9                | 38  | 0.004                                |           |
| Total                 | 874                    | 36               | 41  | 0.01                                 |           |
| <b>GOATS:</b>         |                        |                  |   |                                      |           |
| Male                  | 6,432                  | 116              | 18  | 0.05                                 |           |
| Female                | 6,354                  | 117              | 18  | 0.05                                 |           |
| Total                 | 12,786                 | 233              | 18  | 0.1                                  |           |
| Total of meat         | —                      | 224,488          | —   | 100.0                                |           |

## 21. — PRODUCTION OF WOOL, EGGS, HONEY, BEESWAX AND COCOONS IN 1929.

| CLASSIFICATION            | UNITY     | QUANTITY      |
|---------------------------|-----------|---------------|
| <b>WOOL:</b>              |           |               |
| Sheep shorn               | number    | 10,695        |
| Wool obtained             | 1,000 lb. | 136           |
| <b>EGGS (1):</b>          |           |               |
| Fowls' eggs               | number    | 2,528,301,964 |
| Ducks' eggs               | "         | 12,968,461    |
| Total                     | "         | 2,541,270,425 |
| <b>HONEY AND BEESWAX:</b> |           |               |
| Honey                     | lb.       | 3,490,580     |
| Beeswax                   | "         | 44,115        |
| <b>SILKWORMS (2):</b>     |           |               |
| Eggs incubated            | ounces    | 6,335,831     |
| Cocoons produced:         |           |               |
| Yellow                    | lb.       | 212,338,790   |
| White                     | "         | 631,304,606   |
| Total of cocoons          | "         | 844,043,396   |

(1) Eggs produced during the year 1 July 1928 to 30 June 1929. — (2) Excluding those of *Antheraea yamamai* and *Antheraea pernyi*.

## 22. — AGRICULTURAL LABOUR EMPLOYED ON 1 OCTOBER 1929.

| CLASSIFICATION   | Sex        |           | Total            |                    |                     |
|--|------------|-----------|------------------|--------------------|---------------------|
|  | Male       | Female    | Absolute<br>data | Percentage         |                     |
|  |            |           |                  | of total<br>A or B | of general<br>total |
| number   | number     | number    | %                | %                  |                     |
| <b>A) MEMBERS OF HOLDERS FAMILY EMPLOYED ON HOLDING:</b> |            |           |                  |                    |                     |
| Persons 15 years old and over                            | 8,668,700  | 7,906,800 | 16,575,500       | 96.5               | 81.4                |
| Persons under 15 years old                               | 281,000    | 319,300   | 601,200          | 3.5                | 3.0                 |
| Total  | 8,950,600  | 8,225,600 | 17,176,200       | 100.0              | 84.4                |
| <b>B) PERSONS NOT MEMBERS OF HOLDERS' FAMILY:</b>        |            |           |                  |                    |                     |
| Persons 15 years old and over                            | 1,799,100  | 1,340,700 | 3,139,800        | 98.9               | 15.4                |
| Persons under 15 years old                               | 17,100     | 17,800    | 34,900           | 1.1                | 0.2                 |
| Total  | 1,816,200  | 1,358,500 | 3,174,700        | 100.0              | 15.6                |
| General total of persons employed on farms               | 10,766,800 | 9,584,100 | 20,350,900       | —                  | 100.0               |

## 23. — TOTAL NUMBER OF DAYS WORKED ON HOLDING (1).

| CLASSIFICATION                             | TOTAL NUMBER<br>OF<br>DAYS WORKED |
|--|-----------------------------------|
| <b>A) PERSONS PERMANENTLY EMPLOYED BY:</b> |                                   |
| Owner cultivators                          | 261.3                             |
| Tenant cultivators                         | 286.9                             |
| Cultivators with mixed tenure              | 196.3                             |
| <b>B) PERSONS TEMPORARILY EMPLOYED BY:</b> |                                   |
| Owner cultivators                          | 62.1                              |
| Tenant cultivators                         | 16.9                              |
| Cultivators with mixed tenure              | 27.3                              |

(1) Based on the results of an investigation concerning economic conditions of 235 standard agricultural households held during the year from 1 February 1928 to 31 January 1929.

24. — WAGES OF HIRED LABOUR <sup>(1)</sup>.

| CLASSIFICATION          | AVERAGE<br>PER DAY |
|-------------------------|--------------------|
|                         | Yen                |
| A) AGRICULTURAL LABOUR: |                    |
| Permanent workers:      |                    |
| Male . . . . .          | 0.66               |
| Female . . . . .        | 0.48               |
| Seasonal workers:       |                    |
| Male . . . . .          | 1.45               |
| Female . . . . .        | 1.08               |
| Day workers:            |                    |
| Male:                   |                    |
| In winter . . . . .     | 1.17               |
| In summer . . . . .     | 1.44               |
| Average . . . . .       | 1.35               |
| Female:                 |                    |
| In winter . . . . .     | 0.89               |
| In summer . . . . .     | 1.00               |
| Average . . . . .       | 1.03               |
| B) SUBCULTURAL LABOUR:  |                    |
| Permanent workers:      |                    |
| Male . . . . .          | 0.94               |
| Female . . . . .        | 0.72               |
| Seasonal workers:       |                    |
| Male . . . . .          | 1.32               |
| Female . . . . .        | 1.01               |
| Day workers:            |                    |
| Male . . . . .          | 1.52               |
| Female . . . . .        | 1.21               |

(1) Wages are inclusive of average amount per day paid in kind (food, etc.).

## ALGERIA





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## THE AGRICULTURAL CENSUS IN ALGERIA

The imperfect state of Algerian statistics at the time of the World Agricultural Census made it impossible to carry out a census in the real signification of the word. The quinquennial enquiry of 1930 may, however, be assimilated to a partial census; its results have been supplemented by data from the annual statistical returns of the same year but both series are somewhat imperfect; only the *provisional* results of the quinquennial enquiry have been published while the annual statistics present frequent anomalies, especially as regards the distribution of the area (these anomalies have since, however, disappeared). The incorporation in a single table of data from both the annual and the quinquennial statistics can be carried out only with a very large measure of approximation.

Thus, the results of the elaboration presented in this Bulletin can be considered only as a first draft of an agricultural census, serving as a point of departure for the next census, to be made in 1940.

The data for area and production refer to the agricultural year 1929-30 (1 October-30 September) and those on holdings to the year 1930, while the returns of livestock were made on 1 January 1930.

The sources from which the data in the various tables are drawn are as follows:

*Statistique quinquennale de 1930*, published by the Bureau of Agriculture: holdings, agricultural population, agricultural labour, implements, truck crops, and livestock products (poultry, eggs, milk, butter, cheese, number of beehives), tree or bush fruit crops.

*Annuaire statistique de l'Algérie, 1930*: area and production of the various crops; numbers of livestock and animal products; sericulture; woods and forests; agricultural cooperatives.

*Renseignements statistiques*, published by the Bureau of Agriculture: distribution of agricultural area; various partial data.

The equivalents in British measures are given below for the hectare, hectolitre and quintal groups adopted in certain tables:

|     |                               |          |                            |
|-----|-------------------------------|----------|----------------------------|
| Ha. | 10 = 25 acres                 | Quintals | 10,000 = 2,000 (1,000 lb.) |
| "   | 50 = 124 "                    | "        | 19,000 = 4,000 "           |
| "   | 100 = 247 "                   | "        | 20,000 = 4,400 "           |
| Hl. | 10,000 = 220,000 Imp. gallons | "        | 49,000 = 10,800 "          |
| "   | 19,000 = 418,000 " "          | "        | 50,000 = 11,000 "          |
| "   | 20,000 = 440,000 " "          | "        | 99,000 = 21,800 "          |
| "   | 49,000 = 1,078,000 " "        | "        | 100,000 = 22,000 "         |
| "   | 50,000 = 1,100,000 " "        | "        | 200,000 = 44,000 "         |
| "   | 100,000 = 2,200,000 " "       |          |                            |

A — GENERAL DATA

## 1. — DISTRIBUTION OF TOTAL AREA IN 1929-30 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|---|--------------------|----------------------|---------------|
|   | acres              | acres                | acres         |
| European agricultural properties . . . . .  | 5,770,217          | 26,137               | 5,796,354     |
| Native agricultural properties . . . . .  | 18,222,700         | 466,097              | 18,688,797    |
| Total agricultural properties (1) . . . . .   | 23,992,917         | 492,234              | 24,485,151    |
| Other agricultural land, cultivated or not, productive or unproductive, including grazing tracks and desert (2) . . . . . | 22,374,852         | 478,555,745          | 500,929,797   |
| Total agricultural land, productive and unproductive . . . . .  | 46,366,769         | 479,047,979          | 525,414,748   |
| Urban and industrial sites, public domain . . . . .   | 5,019,221          | —                    | 5,019,221     |
| Total area (3) . . . . .  | 51,386,190         | 479,047,979          | 530,434,169   |

(\*) *Recensement statistique et Statistique quinquennale*. — (1) The area of total agricultural properties corresponds to the area of cultivated productive land, including privately and communally owned forests, (19,782,341 acres in the Northern Territory, 345,976 acres in the Southern Territories and 26,126,317 acres total) and to a small degree (4,210,577 and 148,258 acres, or 4,358,835 acres total), to privately owned meadows for pasture and unproductive land. — (2) Corresponding to State forests and the greater part of the pastures and unproductive land. The juridical status of pasture and unproductive land of this type is still indeterminate; the *alla gress* land is demersed, the grazing tracks are communal or destined to become so. — (3) These figures were revised in the population census of 1931, as follows: 51,568,873 acres in the Northern Territory, 491,155,027 acres in the Southern Territories, 542,723,960 acres in the whole country.

## 2. — PRIVATE AGRICULTURAL PROPERTIES IN 1930 ACCORDING TO SIZE (\*).

| CLASSIFICATION                                  | NORTHERN TERRITORY |                          |                     |                   |
|---|--------------------|--------------------------|---------------------|-------------------|
|   | Number of owners   | Total area of land owned |                     |                   |
|   |                    | Absolute data            | Percentage of total | Average per owner |
| number  | acres              | %                        | acres               |                   |
| Owners possessing:                              |                    |                          |                     |                   |
| less than 10 ha. . . . .                        | 372,258            | 4,032,480                | 16.8                | 10.8              |
| from 10 to 50 ha. . . . .                       | 140,040            | 6,939,144                | 29.1                | 47.9              |
| from 50 to 100 ha. . . . .                      | 41,535             | 4,816,530                | 20.1                | 116.0             |
| over 100 ha. . . . .                            | 18,370             | 8,154,763                | 34.0                | 609.9             |
| Total private agricultural properties . . . . . | 573,203            | 23,992,917               | 100.0               | 41.9              |

(\*) *Statistique quinquennale*.

## 2. — PRIVATE AGRICULTURAL PROPERTIES IN 1930 ACCORDING TO SIZE (\*) (continued).

| CLASSIFICATION                                  | SOUTHERN TERRITORIES |                          |                     |                   |
|---|----------------------|--------------------------|---------------------|-------------------|
|   | Number of owners     | Total area of land owned |                     |                   |
|   |                      | Absolute data            | Percentage of total | Average per owner |
| number  | acres                | %                        | acres               |                   |
| Owners possessing:                              |                      |                          |                     |                   |
| less than 10 ha. . . . .                        | 71,156               | 369,374                  | 75.1                | 5.2               |
| from 10 to 50 ha. . . . .                       | 1,110                | 58,558                   | 11.9                | 52.8              |
| from 50 to 100 ha. . . . .                      | 152                  | 26,273                   | 5.3                 | 172.5             |
| over 100 ha. . . . .                            | 76                   | 38,079                   | 7.7                 | 501.0             |
| Total private agricultural properties . . . . . | 73,494               | 492,234                  | 100.0               | 6.8               |

(\*) *Statistique quinquennale*.

## 2. — PRIVATE AGRICULTURAL PROPERTIES IN 1930 ACCORDING TO SIZE (\*) (concluded).

| CLASSIFICATION                              | WHOLE COUNTRY    |                          |                     |                   |
|---|------------------|--------------------------|---------------------|-------------------|
|   | Number of owners | Total area of land owned |                     |                   |
|   |                  | Absolute data            | Percentage of total | Average per owner |
| number                                      | acres            | %                        | acres               |                   |
| Owners possessing:                          | 443,414          | 4,401,854                | 19.0                | 9.9               |
| less than 10 ha. . . . .                    | 147,150          | 7,047,793                | 28.8                | 47.9              |
| from 10 to 50 ha. . . . .                   | 41,667           | 4,842,753                | 19.8                | 116.2             |
| from 50 to 100 ha. . . . .                  | 13,446           | 8,192,642                | 35.4                | 609.3             |
| over 100 ha. . . . .                        |                  |                          |                     |                   |
| Total private agricultural properties . . . | 645,697          | 24,485,151               | 100.0               | 37.9              |

(\*) Statistique quinquennale.

## 3. — CULTIVATED AND UNCULTIVATED, PRODUCTIVE AND UNPRODUCTIVE AGRICULTURAL LAND ACCORDING TO UTILIZATION IN 1929-30 (\*).

| CLASSIFICATION                              | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY   |                     |
|---|--------------------|---------------------|----------------------|---------------------|-----------------|---------------------|
|   | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data   | Percentage of total |
|   | acres              | %                   | acres                | %                   | acres           | %                   |
| <b>CULTIVATED ARABLE LAND:</b>              |                    |                     |                      |                     |                 |                     |
| Sown or grazed . . . . .                    | (1) (8,729,000)    | 18.8                | 90,565               | 0.02                | (1) (8,820,000) | 1.7                 |
| Fallow land . . . . .                       | (1) (6,420,000)    | 13.9                | 156,069              | 0.05                | (1) (6,576,000) | 1.3                 |
| Total . . . . .                             | (2) 15,149,072     | 32.6                | 257,634              | 0.05                | (2) 15,389,706  | 2.9                 |
| <b>TREE AND BUSH PLANTATIONS:</b>           |                    |                     |                      |                     |                 |                     |
| Vines (3) . . . . .                         | 670,587            | 1.5                 | (4)                  | —                   | 670,587         | 0.1                 |
| Trees in plantations . . . . .              | 467,757            | 1.0                 | 88,342               | 0.02                | 556,129         | 0.1                 |
| Total . . . . .                             | 1,138,374          | 2.5                 | 88,342               | 0.02                | 1,226,716       | 0.2                 |
| <b>PRODUCTIVE UNCULTIVATED ARABLE LAND:</b> |                    |                     |                      |                     |                 |                     |
| Permanent meadow . . . . .                  | 667,061            | 1.5                 |                      |                     |                 |                     |
| Pasture land (5) . . . . .                  | 10,679,582         | 23.0                |                      |                     |                 |                     |
| Total . . . . .                             | 11,346,643         | 24.5                | 66478,397,588        | 99.8                | 488,975,051     | 95.0                |
| <b>UNPRODUCTIVE LAND . . . . .</b>          | 9,299,820          | 19.9                |                      |                     |                 |                     |
| <b>FOREST, WOODS AND BUSH:</b>              |                    |                     |                      |                     |                 |                     |
| Belonging to the State . . . . .            | 6,107,168          | 13.0                | 306,415              | 0.1                 | 6,413,583       | 1.2                 |
| Belonging to others . . . . .               | 3,509,692          | 7.5                 | —                    | —                   | 3,509,692       | 0.7                 |
| Total . . . . .                             | 9,616,860          | 20.5                | 306,415              | 0.1                 | 9,923,275       | 1.9                 |
| General total . . . . .                     | 46,366,969         | 100.0               | 479,047,979          | 100.0               | 525,414,948     | 100.0               |

(\*) *Annuaire and Recensements statistiques*. — (1) Approximate data, including a certain indeterminate area of various crops (about 20,000 acres); on the other hand, the area of fallow land is calculated by difference, (see Table 6). — (2) Exact figure. — (3) Vines bearing, the total area of vineyards not being given (over 879,000 acres, if it is estimated on the basis of the comparative area of vines in 1932). — (4) The *Recensements statistiques* give 2 acres of vines, but do not include them in the classifications. — (5) Only 35 to 37 millions acres were at the time of the Census usable as grazing tracks for livestock. — (6) According to the latest statistics, pastures and grazing tracks usable for grazing livestock covered 13,100,000 to 13,600,000 acres in the Northern Territory and 25 to 37 million acres in the Southern Territories according to the distribution and extent of the annual rainfall.

## 4. — ARABLE LAND ACCORDING TO CROPS IN 1929-30 (\*).

| CLASSIFICATION                                  | NORTHERN TERRITORY |            |          | SOUTHERN TERRITORIES |            |          | WHOLE COUNTRY |            |          |
|---|--------------------|------------|----------|----------------------|------------|----------|---------------|------------|----------|
|   | Area sown          | Percentage |          | Area sown            | Percentage |          | Area sown     | Percentage |          |
|   |                    | of group   | of total |                      | of group   | of total |               | of group   | of total |
| acres   | %                  | %          | acres    | %                    | %          | acres    | %             | %          |          |
| <b>CEREALS CULTIVATED FOR GRAIN:</b>            |                    |            |          |                      |            |          |               |            |          |
| <b>Winter cereals:</b>                          |                    |            |          |                      |            |          |               |            |          |
| Hard wheat . . . . .                            | 3,255,730          | 39.3       | 37.3     | 33,661               | 34.4       | 32.2     | 3,289,391     | 39.2       | 37.3     |
| Soft wheat . . . . .                            | 736,936            | 8.9        | 8.4      | 1,750                | 1.8        | 1.7      | 738,686       | 8.8        | 8.4      |
| Barley . . . . .                                | 3,588,930          | 43.3       | 41.2     | 60,678               | 62.1       | 58.0     | 3,649,608     | 43.5       | 41.4     |
| Oats . . . . .                                  | 636,761            | 7.6        | 7.3      | —                    | —          | 0.003    | 634,763       | 7.6        | 7.2      |
| Rye . . . . .                                   | 4,483              | 0.1        | 0.1      | —                    | —          | —        | 4,483         | 0.1        | 0.05     |
| Total . . . . .                                 | 8,220,840          | 99.2       | 94.3     | 96,091               | 98.3       | 91.9     | 8,316,931     | 99.2       | 94.3     |
| <b>Summer cereals:</b>                          |                    |            |          |                      |            |          |               |            |          |
| Maize . . . . .                                 | 23,673             | 0.3        | 0.3      | 435                  | 0.5        | 0.4      | 24,108        | 0.3        | 0.3      |
| Spiked millet (Beshma or dadi) . . .            | 38,458             | 0.5        | 0.4      | 815                  | 0.8        | 0.8      | 39,273        | 0.5        | 0.5      |
| Great millet . . . . .                          | 1,470              | 0.02       | 0.02     | 427                  | 0.4        | 0.4      | 1,897         | 0.02       | 0.02     |
| Total . . . . .                                 | 63,601             | 0.8        | 0.7      | 1,677                | 1.7        | 1.6      | 65,274        | 0.8        | 0.8      |
| Total of cereals . . . . .                      | 8,284,441          | 100.0      | 95.0     | 97,768               | 100.0      | 93.5     | 8,382,205     | 100.0      | 95.1     |
| <b>LEGUMINOUS CROPS FOR GRAIN (1):</b>          |                    |            |          |                      |            |          |               |            |          |
| Broad beans and horse beans . . . .             | 84,118             | 39.7       | 1.0      | 213                  | 69.4       | 0.2      | 84,331        | 39.7       | 1.0      |
| Dried peas . . . . .                            | 35,351             | 16.7       | 0.4      | 7                    | 2.4        | 0.01     | 35,358        | 16.7       | 0.4      |
| Chickpeas . . . . .                             | 70,747             | 33.4       | 0.8      | 30                   | 9.7        | 0.03     | 70,777        | 33.3       | 0.8      |
| Lentils . . . . .                               | 7,962              | 3.7        | 0.1      | 47                   | 15.3       | 0.04     | 8,009         | 3.8        | 0.1      |
| Vetching . . . . .                              | 10,893             | 5.1        | 0.1      | —                    | —          | —        | 10,893        | 5.1        | 0.1      |
| Dried kidney beans . . . . .                    | 2,896              | 1.4        | 0.03     | 10                   | 3.2        | 0.01     | 2,906         | 1.4        | 0.03     |
| Total . . . . .                                 | 211,967            | 100.0      | 2.4      | 307                  | 100.0      | 0.3      | 212,274       | 100.0      | 2.4      |
| <b>LEGUMINOUS AND GRAMINEOUS PASTURE CROPS:</b> |                    |            |          |                      |            |          |               |            |          |
| Vetches and oats . . . . .                      | 40,993             | 55.5       | 0.5      | —                    | —          | —        | 40,993        | 54.6       | 0.5      |
| Alfalfa . . . . .                               | 6,835              | 9.3        | 0.1      | 670                  | 53.6       | 0.6      | 7,505         | 10.0       | 0.1      |
| Green barley . . . . .                          | 21,926             | 29.7       | 0.3      | 576                  | 46.0       | 0.6      | 22,502        | 30.0       | 0.3      |
| Egyptian clover (Bersin) . . . . .              | 2,283              | 3.1        | 0.03     | —                    | —          | —        | 2,283         | 3.0        | 0.03     |
| Sods, napier grass, etc. . . . .                | 1,779              | 2.4        | 0.02     | 5                    | 0.4        | 0.005    | 1,784         | 2.4        | 0.02     |
| Total . . . . .                                 | 73,866             | 100.0      | 0.9      | 1,251                | 100.0      | 1.2      | 75,177        | 100.0      | 0.9      |
| <b>TUBER AND ROOT CROPS:</b>                    |                    |            |          |                      |            |          |               |            |          |
| Winter potatoes (2) . . . . .                   | (33,202)           | —          | —        | (59)                 | —          | —        | (33,261)      | —          | —        |
| Spring and summer potatoes (3) . .              | 25,558             | 97.0       | 0.5      | 257                  | 100.0      | 0.3      | 25,815        | 97.0       | 0.3      |
| Mangels . . . . .                               | 796                | 3.0        | 0.01     | —                    | —          | —        | 796           | 3.0        | 0.01     |
| Sugar-beet for sugar or alcohol . . .           | 2                  | 0.01       | 0.0      | —                    | —          | —        | 2             | 0.01       | 0.00     |
| Total . . . . .                                 | 26,356             | 100.0      | 0.3      | 257                  | 100.0      | 0.3      | 26,613        | 100.0      | 0.3      |

(\*) *Annuaire and Recensements statistiques*. — (1) Catch crops on cultivated fallow (preparatory work—see table 7) are not included here. — (2) Early crops (harvested October to February), chiefly for export. These crops are for the most part intercropped or in market gardens and followed in such cases by catch crops; in some cases they are even grown among vines. Except for the latter, their area is included here in "Various crops". — (3) Seasonal crop (planted in spring, harvested during summer or autumn), chiefly for local consumption.

## 4. — ARABLE LAND ACCORDING TO CROPS IN 1929-30 (\*) (concluded).

| CLASSIFICATION   | NORTHERN TERRITORY |            |          | SOUTHERN TERRITORIES |            |          | WHOLE COUNTRY |            |          |
|--|--------------------|------------|----------|----------------------|------------|----------|---------------|------------|----------|
|  | Area sown          | Percentage |          | Area sown            | Percentage |          | Area sown     | Percentage |          |
|  |                    | of group   | of total |                      | of group   | of total |               | of group   | of total |
|  | acres              | %          | %        | acres                | %          | %        | acres         | %          | %        |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                            |                    |            |          |                      |            |          |               |            |          |
| Cotton   | 10,220             | 13.8       | 0.1      | —                    | —          | —        | 10,220        | 13.8       | 0.1      |
| Essential-oil and aromatic plants:<br>Rose geranium              | 6,254              | 8.5        | 0.1      | —                    | —          | —        | 6,254         | 8.5        | 0.1      |
| Bitter orange, lavender, black-sultana, yarrow, citronella, etc. | 158                | 0.2        | 0.002    | 2                    | 1.1        | 0.002    | 160           | 0.2        | 0.002    |
| Total  | 6,412              | 8.7        | 0.1      | 2                    | 1.1        | 0.002    | 6,414         | 8.7        | 0.1      |
| <b>Tobacco:</b>  |                    |            |          |                      |            |          |               |            |          |
| for smoking  | 53,375             | 72.3       | 0.6      | —                    | —          | —        | 53,375        | 72.1       | 0.6      |
| for snuff  | 3,828              | 5.2        | 0.04     | 217                  | 98.9       | 0.2      | 4,045         | 5.4        | 0.05     |
| Total  | 57,203             | 77.5       | 0.6      | 217                  | 98.9       | 0.2      | 57,420        | 77.5       | 0.6      |
| Total crops for industrial purposes                              | 73,835             | 100.0      | 0.8      | 219                  | 100.0      | 0.2      | 74,094        | 100.0      | 0.8      |
| <b>VARIOUS CROPS (1):</b>  |                    |            |          |                      |            |          |               |            |          |
|  | 50,000             | 100.0      | 0.6      | 5,000                | 100.0      | 4.7      | 55,000        | 100.0      | 0.6      |
| TOTAL SOWN CULTIVATED ARABLE                                     | (2)<br>8,720,000   | —          | 100.0    | 104,527              | —          | 100.0    | 8,820,000     | —          | 100.0    |
| CULTIVATED ARABLE NOT UNDER CROPS                                | (2)<br>6,420,000   | —          | 73.7     | 151,107              | —          | 144.6    | 6,500,000     | —          | 74.5     |
| TOTAL LAND CULTIVATED ARABLE                                     | 15,140,000         | —          | —        | 255,634              | —          | —        | 15,389,706    | —          | —        |

(\*) *Annuaire and Recensements* statistics. — (1) Part of the early potato crop, garden crops and various others; the figure given is approximate and calculated from the estimates of subsequent years. — (2) Rounded, to take account of the approximate nature of the figure for the area of "Various crops". — (3) Percentage of "Total land cultivated arable": 57.5 per cent. for the Northern Territory, 40.9 per cent. for the Southern Territories and 57.3 per cent. for the whole country.

## 5. — TRUCK CROPS IN 1930 (\*).

| CLASSIFICATION           | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|--------------------------|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|                          | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|                          |                    |                     |                      |                     |               |                     |
| Tomatoes                 | 7,910              | 18.5                | 492                  | 9.9                 | 8,402         | 17.6                |
| Artichokes               | 6,200              | 14.5                | 5                    | 0.1                 | 6,205         | 13.0                |
| Green kidney beans       | 2,817              | 6.6                 | 7                    | 0.1                 | 2,824         | 5.9                 |
| Fresh green peas         | 11,379             | 26.5                | 29                   | 0.4                 | 11,399        | 23.6                |
| Carrots                  | 1,515              | 3.5                 | 976                  | 19.6                | 2,491         | 5.2                 |
| Various fresh vegetables | 13,033             | 30.4                | 3,482                | 69.9                | 16,515        | 34.5                |
| Total                    | 42,854             | 100.0               | 4,982                | 100.0               | 47,836        | 100.0               |

(\*) *Statistique quinquennale*. — The total area devoted to these crops is reckoned under "Various crops" in Table 4.

## 6. — NATURAL FODDER: AREA CUT IN 1929-30 (\*).

|                      |       |         |
|----------------------|-------|---------|
| Northern Territory   | acres | 286,038 |
| Southern Territories | "     | 25      |
| Whole country        | acres | 286,113 |

(\*) *Annuaire* statistics. — Natural fodder cut for hay on unownable land (fallow).

## 7. — WINTER CEREALS: PREPARATORY WORK IN 1930 (\*).

| CLASSIFICATION                                     | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|--|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|  | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|  |                    |                     |                      |                     |               |                     |
| <b>LAND ON WHICH PREPARATORY WORK DONE:</b>        |                    |                     |                      |                     |               |                     |
| <b>Spring work:</b>                                |                    |                     |                      |                     |               |                     |
| Unproductive up to sowing                          | 1,277,277          | 17.6                | 8,797                | 12.4                | 1,286,074     | 17.5                |
| Productive of pulses in catch crops                | 105,495            | 1.4                 | 62                   | 0.1                 | 105,555       | 1.4                 |
| Total  | 1,382,770          | 19.0                | 8,859                | 12.5                | 1,391,629     | 18.9                |
| <b>Summer work:</b>                                |                    |                     |                      |                     |               |                     |
| Total preparatory work                             | 253,910            | 3.5                 | 531                  | 0.7                 | 254,441       | 3.5                 |
| Total preparatory work                             | 1,636,680          | 22.5                | 9,390                | 13.2                | 1,646,070     | 22.4                |
| <b>LAND ON WHICH NO PREPARATORY WORK DONE (1):</b> |                    |                     |                      |                     |               |                     |
| Total land sown to winter cereals (1)              | 5,636,596          | 77.5                | 61,777               | 66.8                | 5,698,373     | 77.6                |
| Total land sown to winter cereals (1)              | 7,273,276          | 100.0               | 71,367               | 100.0               | 7,344,643     | 100.0               |

(\*) *Recensements* statistics. — Land, intended for winter cereals, on which work was done in the spring or summer preceding the autumn sowing of the agricultural season 1930-31. — (1) Area cultivated according to first sowing estimates for the 1930-31 season.

## 8. — SPECIAL CROPS: NUMBER OF GROWERS AND AREA IN 1929-30 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY |                 |                    | SOUTHERN TERRITORIES |                 |                    | WHOLE COUNTRY     |                 |                    |
|---|--------------------|-----------------|--------------------|----------------------|-----------------|--------------------|-------------------|-----------------|--------------------|
|   | Number of growers  | Area cultivated |                    | Number of growers    | Area cultivated |                    | Number of growers | Area cultivated |                    |
|   |                    | Absolute data   | Average per grower |                      | Absolute data   | Average per grower |                   | Absolute data   | Average per grower |
|   | number             | acres           | acres              | number               | acres           | acres              | number            | acres           | acres              |
| <b>TOBACCO GROWERS:</b>                                   |                    |                 |                    |                      |                 |                    |                   |                 |                    |
| Smoking tobacco   | 10,592             | 53,375          | 5.0                | —                    | —               | —                  | 10,592            | 53,375          | 5.0                |
| Snuff tobacco   | 5,797              | 3,828           | 0.7                | 1,061                | 217             | 0.2                | 6,858             | 4,045           | 0.6                |
| Total   | 16,389             | 57,203          | 3.5                | 1,061                | 217             | 0.2                | 17,450            | 57,420          | 3.3                |
| <b>COTTON GROWERS:</b>                                    |                    |                 |                    |                      |                 |                    |                   |                 |                    |
| Total   | 365                | 10,220          | 28.0               | —                    | —               | —                  | 365               | 10,220          | 28.0               |
| <b>BEET GROWERS:</b>                                      |                    |                 |                    |                      |                 |                    |                   |                 |                    |
| Marengo   | 208                | 796             | 3.8                | —                    | —               | —                  | 208               | 796             | 3.8                |
| Super-beet  | 1                  | 2               | 2.0                | —                    | —               | —                  | 1                 | 2               | 2.0                |
| Total   | 209                | 798             | 3.8                | —                    | —               | —                  | 209               | 798             | 3.8                |
| <b>GROWERS OF PLANTS FOR PARFUMS AND AROMATIC PLANTS:</b> |                    |                 |                    |                      |                 |                    |                   |                 |                    |
| Rose geranium   | 139                | 6,254           | 45.0               | —                    | —               | —                  | 139               | 6,254           | 45.0               |
| Various   | 18                 | 158             | 8.8                | 1                    | 2               | 2.0                | 19                | 160             | 8.5                |
| Total   | 157                | 6,412           | 46.8               | 1                    | 2               | 2.0                | 158               | 6,414           | 46.6               |

(\*) *Annuaire and Recensements* statistics.

## 9. — PRODUCTION OF ARABLE LAND IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY |                  |              | SOUTHERN TERRITORIES |               |              | WHOLE COUNTRY    |                  |              |
|--|--------------------|------------------|--------------|----------------------|---------------|--------------|------------------|------------------|--------------|
|  | Area cultivated    | Production       |              | Area cultivated      | Production    |              | Area cultivated  | Production       |              |
|  |                    | Absolute data    | Yield        |                      | Absolute data | Yield        |                  | Absolute data    | Yield        |
|  | acres              | 1000 lb.         | lb. per acre | acres                | 1000 lb.      | lb. per acre | acres            | 1000 lb.         | lb. per acre |
| <b>CEREALS OUT FOR GRAIN:</b>  |                    |                  |              |                      |               |              |                  |                  |              |
| Hard wheat . . . . .   | 3,255,730          | 1,362,570        | 419          | 35,661               | 9,486         | 279          | 3,289,391        | 1,371,976        | 417          |
| Soft wheat . . . . .   | 796,936            | 573,256          | 778          | 1,750                | 1,335         | 763          | 738,686          | 574,591          | 778          |
| Barley . . . . .   | 3,588,930          | 1,806,239        | 503          | 60,678               | 26,697        | 440          | 3,649,608        | 1,832,936        | 502          |
| Oats . . . . .   | 634,761            | 529,963          | 835          | 2                    | 1             | 500          | 634,761          | 529,964          | 835          |
| Rye . . . . .  | 4,483              | 3,605            | 804          | —                    | —             | —            | 4,483            | 3,605            | 804          |
| Mais . . . . .   | 23,675             | 16,145           | 682          | 433                  | 172           | 397          | 24,108           | 16,517           | 677          |
| Spiked millet (Buhma ordani) . . . . .                                   | 36,458             | 22,735           | 591          | 813                  | 134           | 165          | 39,271           | 22,869           | 582          |
| Great millet . . . . .   | 1,670              | 772              | 525          | 427                  | 108           | 255          | 1,897            | 889              | 464          |
| <b>Total . . . . .</b>   | <b>8,294,441</b>   | <b>4,315,285</b> | <b>521</b>   | <b>97,794</b>        | <b>37,853</b> | <b>387</b>   | <b>8,382,205</b> | <b>4,353,138</b> | <b>519</b>   |
| <b>LEGUMINOUS CROPS FOR GRAIN (1):</b>                                   |                    |                  |              |                      |               |              |                  |                  |              |
| Broad beans and horse beans . . . . .                                    | 84,118             | 46,984           | 487          | 213                  | 77            | 362          | 84,531           | 41,661           | 487          |
| Dried peas . . . . .   | 35,351             | 22,042           | 624          | 7                    | 1             | 143          | 35,358           | 22,043           | 623          |
| Chickpeas . . . . .  | 70,747             | 30,698           | 434          | 30                   | 7             | 233          | 70,777           | 30,705           | 434          |
| Lentils . . . . .  | 7,962              | 4,700            | 590          | 47                   | 15            | 319          | 8,009            | 4,715            | 589          |
| Vetching . . . . .   | 10,893             | 4,417            | 405          | —                    | —             | —            | 10,893           | 4,417            | 405          |
| Dried kidney beans . . . . .   | 2,896              | 1,779            | 614          | 10                   | 4             | 400          | 2,906            | 1,783            | 614          |
| <b>Total . . . . .</b>   | <b>211,567</b>     | <b>104,620</b>   | <b>494</b>   | <b>307</b>           | <b>104</b>    | <b>339</b>   | <b>212,274</b>   | <b>104,724</b>   | <b>493</b>   |
| <b>LEGUMINOUS AND CEREALOUS FOOD CROPS (2):</b>                          |                    |                  |              |                      |               |              |                  |                  |              |
| Vetches and oats: dry fodder . . . . .                                   | 40,993             | 77,672           | 1,895        | —                    | —             | —            | 40,993           | 77,672           | 1,895        |
| Alfalfa: dry fodder . . . . .  | 6,885              | 26,574           | 3,851        | 670                  | 351           | 524          | 7,555            | 26,725           | 3,537        |
| Natural fodder: dried hay (3) . . . . .                                  | 286,888            | 422,024          | 1,475        | 25                   | 13            | 520          | 286,113          | 422,037          | 1,475        |
| <b>TUBERS AND ROOTS:</b>   |                    |                  |              |                      |               |              |                  |                  |              |
| Winter potatoes (4) . . . . .  | 33,202             | 105,835          | 3,188        | 50                   | 317           | 5,373        | 33,261           | 106,152          | 3,191        |
| Spring and summer potatoes . . . . .                                     | 25,558             | 90,696           | 3,549        | 257                  | 751           | 2,844        | 25,815           | 91,427           | 3,542        |
| Sugar-beet for sugar or alcohol . . . . .                                | 2                  | 18               | 9,000        | —                    | —             | —            | 2                | 18               | 9,000        |
| Mangels . . . . .  | 796                | 8,672            | 10,894       | —                    | —             | —            | 796              | 8,672            | 10,894       |
| <b>TREE CROPS:</b>   |                    |                  |              |                      |               |              |                  |                  |              |
| Tomatoes . . . . .   | 7,910              | 55,259           | 6,986        | 492                  | 1,270         | 2,581        | 5,402            | 56,529           | 6,728        |
| Artichokes . . . . .   | 6,200              | 32,184           | 5,191        | 5                    | 4             | 890          | 6,205            | 32,188           | 5,187        |
| Green kidney beans . . . . .   | 2,817              | 5,795            | 2,056        | 7                    | 18            | 2,571        | 2,824            | 5,811            | 2,056        |
| Fresh green peas . . . . .   | 11,579             | 16,154           | 1,420        | 20                   | 52            | 2,600        | 11,399           | 16,286           | 1,422        |
| Carrots . . . . .  | 1,515              | 8,869            | 5,815        | 976                  | 6,228         | 6,381        | 2,491            | 15,057           | 6,057        |
| Various fresh vegetables . . . . .                                       | 13,038             | 57,643           | 4,423        | 3,482                | 12,239        | 3,515        | 16,515           | 69,862           | 4,231        |
| <b>Total . . . . .</b>   | <b>42,854</b>      | <b>175,842</b>   | <b>4,103</b> | <b>4,382</b>         | <b>19,811</b> | <b>3,977</b> | <b>47,836</b>    | <b>195,653</b>   | <b>4,050</b> |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                                    |                    |                  |              |                      |               |              |                  |                  |              |
| Cotton: unginned . . . . .   | 10,220             | 7,431            | 724          | —                    | —             | —            | 10,220           | 7,431            | 724          |
| ginned (lin) . . . . .   | —                  | 2,559            | 250          | —                    | —             | —            | —                | 2,559            | 250          |
| Smoking tobacco . . . . .  | 53,375             | 41,223           | 772          | —                    | —             | —            | 53,375           | 41,223           | 772          |
| Snuff tobacco . . . . .  | 3,828              | 2,246            | 587          | 217                  | 290           | 1,290        | 4,045            | 2,526            | 624          |
| <b>Essential oils:</b>   |                    | lb.              |              |                      |               |              |                  |                  |              |
| Rose geranium . . . . .  | 6,254              | 77,809           | 12           | —                    | —             | —            | 6,254            | 77,809           | 12           |
| Sitona orange, lavender, blackcurrant, verbena, citrusella, etc. . . . . | 158                | 467              | 3            | 2                    | —             | —            | 160              | 467              | 3            |

(\*). *Annuaire, Recensement statistique, and Statistique quinquennale.* See Tables 4 to 7. — (1) Including pulses grown as catch crops on fallow (see Table 7). — (2) Data lacking for the production of green or ensiled fodder, barley out green, sainfoin, etc. (see Table 6). — (3) Natural fodder cut on uncultivated arable land (see Table 6). — (4) Part of these crops grown between vines (see note 2, Table 4).

## 10. — AREAS OF VINES AND CITRUS, NUMBERS OF OLIVE TREES AND DATE-PALMS AND PRODUCTION IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY      |                     |                |                     |
|--|-------------------------|---------------------|----------------|---------------------|
|  | Area or number of trees |                     | Production     |                     |
|  | Absolute data           | percentage of total | Absolute data  | Yield               |
|  | acres                   | %                   | Imp. gallons   | Imp. gall. per acre |
| <b>VINES:</b>  |                         |                     |                |                     |
| bearing (1) . . . . .                                  | 670,587                 | 71.4 (3)            | 302,336,045    | 450.9               |
| not bearing (2) . . . . .                              | 270,000                 | 28.6                | —              | —                   |
| <b>Total (2) . . . . .</b>                             | <b>940,000</b>          | <b>100.0</b>        | <b>—</b>       | <b>—</b>            |
| <b>CITRUS:</b>   |                         |                     | 1000 lb.       | lb. per acre        |
| Oranges . . . . .                                      | 10,362                  | 53.2                | 86,893         | 8,074               |
| Tangerines and mandarines . . . . .                    | 7,967                   | 39.4                | 58,518         | 7,345               |
| Lemons, cedrats and others . . . . .                   | 1,495                   | 7.4                 | 6,675          | 4,471               |
| <b>Total . . . . .</b>                                 | <b>20,222</b>           | <b>100.0</b>        | <b>152,086</b> | <b>—</b>            |
| <b>OLIVES:</b>   |                         |                     | number         | lb. per tree        |
| Cultivated (bearing or grafted):                       |                         |                     |                |                     |
| bearing . . . . .                                      | 7,706,465               | 79.9 (4)            | 457,120        | 59                  |
| not bearing . . . . .                                  | 1,943,265               | 20.1                | —              | —                   |
| <b>Total . . . . .</b>                                 | <b>9,649,730</b>        | <b>100.0</b>        | <b>—</b>       | <b>—</b>            |
| Wild (oleasters) . . . . .                             | 5,612,751               | —                   | —              | —                   |
| <b>DATE-PALMS:</b>                                     |                         |                     |                |                     |
| <b>Dry-ear and similar (five varieties):</b>           |                         |                     |                |                     |
| bearing . . . . .                                      | 80,895                  | 16.8                | 10,386         | 128                 |
| not bearing . . . . .                                  | 11,591                  | 2.4                 | —              | —                   |
| <b>Total . . . . .</b>                                 | <b>92,486</b>           | <b>19.2</b>         | <b>—</b>       | <b>—</b>            |
| <b>Green and similar (soft varieties):</b>             |                         |                     |                |                     |
| bearing . . . . .                                      | 101,005                 | 20.9                | 8,924          | 88                  |
| not bearing . . . . .                                  | 8,015                   | 1.7                 | —              | —                   |
| <b>Total . . . . .</b>                                 | <b>109,020</b>          | <b>22.6</b>         | <b>—</b>       | <b>—</b>            |
| <b>Single-leaf and similar (varieties for drying):</b> |                         |                     |                |                     |
| bearing . . . . .                                      | 224,774                 | 46.6                | 20,478         | 91                  |
| not bearing . . . . .                                  | 55,924                  | 11.6                | —              | —                   |
| <b>Total . . . . .</b>                                 | <b>280,698</b>          | <b>58.2</b>         | <b>—</b>       | <b>—</b>            |
| <b>All varieties:</b>                                  |                         |                     |                |                     |
| bearing . . . . .                                      | 486,674                 | 84.3                | 39,708         | 86                  |
| not bearing . . . . .                                  | 75,530                  | 15.7                | —              | —                   |
| <b>Total date-palms . . . . .</b>                      | <b>562,204</b>          | <b>100.0</b>        | <b>—</b>       | <b>—</b>            |

(\*). *Annuaire statistique.* — (1) According to the fiscal returns, excluding a small quantity reserved solely for household consumption. — (2) Approximation, based on area of vines bearing in 1932 and given only as an indication. — (3) Wine. — (4) Total olive production.

10. — AREA OF VINES AND CITRUS, NUMBER OF OLIVE-TREES AND DATE-PALMS AND PRODUCTION IN 1930 (\*) (continued).

| CLASSIFICATION   | SOUTHERN TERRITORIES    |                     |               |                       |
|--|-------------------------|---------------------|---------------|-----------------------|
|  | Area or number of trees |                     | Production    |                       |
|  | Absolute data           | percentage of total | Absolute data | Yield                 |
|  | acres                   | %                   | Imp. gallons  | Imp. gallons per acre |
| <b>VINES:</b>  |                         |                     |               |                       |
| bearing (1)  | (3) 2                   | —                   | (2) (3) 132   | 66.0                  |
| not bearing  | —                       | —                   | —             | —                     |
| Total (2)  | 2                       | —                   | —             | —                     |
|  |                         |                     | 1000 lb.      |                       |
| <b>CITRUS:</b>   |                         |                     |               |                       |
| Oranges  | (4) —                   | —                   | (3) 65        | —                     |
| Tangerines and mandarins                               | (4) —                   | —                   | (3) 18        | —                     |
| Lemons, cedars and others                              | (4) —                   | —                   | (3) 211       | —                     |
| Total  | (4) —                   | —                   | (3) 294       | —                     |
|  |                         |                     |               | lb. per tree          |
| <b>OLIVES:</b>   |                         |                     |               |                       |
| <i>Cultivated (planted or grafted):</i>                | number                  |                     |               |                       |
| bearing  | 7,747                   | 40.1                | (5) 111       | 14                    |
| not bearing  | 11,594                  | 59.9                | —             | —                     |
| Total  | 19,341                  | 100.0               | —             | —                     |
| Wild (oleaster)  | 1,708                   | —                   | —             | —                     |
| <b>DATE-PALMS:</b>                                     |                         |                     |               |                       |
| <i>Deqlat-our and similar (fine varieties):</i>        |                         |                     |               |                       |
| bearing  | 706,860                 | 10.9                | 45,958        | 65                    |
| not bearing  | 194,250                 | 3.0                 | —             | —                     |
| Total  | 901,000                 | 13.9                | —             | —                     |
| <i>Glans and similar (soft varieties):</i>             |                         |                     |               |                       |
| bearing  | 2,718,210               | 42.0                | 269,852       | 99                    |
| not bearing  | 524,550                 | 8.1                 | —             | —                     |
| Total  | 3,242,760               | 50.1                | —             | —                     |
| <i>Deqla-baida and similar (varieties for drying):</i> |                         |                     |               |                       |
| bearing  | 1,619,880               | 25.1                | 111,943       | 69                    |
| not bearing  | 705,480                 | 10.9                | —             | —                     |
| Total  | 2,325,360               | 35.0                | —             | —                     |
| <i>All varieties:</i>                                  |                         |                     |               |                       |
| bearing  | 5,044,950               | 78.0                | 427,733       | 85                    |
| not bearing  | 1,425,240               | 22.0                | —             | —                     |
| Total date-palms                                       | 6,469,190               | 100.0               | —             | —                     |

(\*) Approximate statistics. — (1) According to the fiscal returns, excluding a small quantity reserved solely for household consumption. — (2) Wine. — (3) Resurgence statistics. — (4) Citrus fruits in the Southern Territories only cover small areas in scattered plantations. — (5) Total olive production.

10. — AREAS OF VINES AND CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS AND PRODUCTION IN 1930 (\*) (concluded).

| CLASSIFICATION   | WHOLE COUNTRY           |                     |                 |                       |
|--|-------------------------|---------------------|-----------------|-----------------------|
|  | Area or number of trees |                     | Production      |                       |
|  | Absolute data           | percentage of total | Absolute data   | Yield                 |
|  | acres                   | %                   | Imp. gallons    | Imp. gallons per acre |
| <b>VINES:</b>  |                         |                     |                 |                       |
| bearing (1)  | 670,589                 | 71.4                | (3) 302,336,109 | 450.9                 |
| not bearing (2)  | 200,600                 | 28.6                | —               | —                     |
| Total (2)  | 870,600                 | 100.0               | —               | —                     |
|  |                         |                     | 1000 lb.        |                       |
| <b>CITRUS:</b>   |                         |                     |                 |                       |
| Oranges  | 10,762                  | 53.2                | (4) 86,958      | —                     |
| Tangerines and mandarins                               | 7,967                   | 39.4                | (4) 58,536      | —                     |
| Lemons, cedars and others                              | 1,493                   | 7.4                 | (4) 6,886       | —                     |
| Total  | 20,222                  | 100.0               | (4) 152,380     | —                     |
|  |                         |                     |                 | lb. per tree          |
| <b>OLIVES:</b>   |                         |                     |                 |                       |
| <i>Cultivated (planted or grafted):</i>                | number                  |                     |                 |                       |
| bearing  | 7,714,212               | 79.8                | (5) 457,231     | 59                    |
| not bearing  | 1,954,859               | 20.2                | —               | —                     |
| Total  | 9,669,071               | 100.0               | —               | —                     |
| Wild (oleaster)  | 5,614,459               | —                   | —               | —                     |
| <b>DATE-PALMS:</b>                                     |                         |                     |                 |                       |
| <i>Deqlat-our and similar (fine varieties):</i>        |                         |                     |                 |                       |
| bearing  | 787,755                 | 11.3                | 56,344          | 72                    |
| not bearing  | 205,821                 | 3.0                 | —               | —                     |
| Total  | 993,576                 | 14.3                | —               | —                     |
| <i>Glans and similar (soft varieties):</i>             |                         |                     |                 |                       |
| bearing  | 2,819,215               | 40.6                | 278,756         | 99                    |
| not bearing  | 552,545                 | 7.6                 | —               | —                     |
| Total  | 3,371,760               | 48.2                | —               | —                     |
| <i>Deqla-baida and similar (varieties for drying):</i> |                         |                     |                 |                       |
| bearing  | 1,844,654               | 26.5                | 132,421         | 72                    |
| not bearing  | 760,404                 | 11.0                | —               | —                     |
| Total  | 2,605,058               | 37.5                | —               | —                     |
| <i>All varieties:</i>                                  |                         |                     |                 |                       |
| bearing  | 5,451,624               | 78.4                | 467,521         | 86                    |
| not bearing  | 1,498,770               | 21.6                | —               | —                     |
| Total date-palms                                       | 6,950,394               | 100.0               | —               | —                     |

(\*) Approximate statistics. — (1) According to the fiscal returns, excluding a small quantity reserved solely for household consumption. — (2) Approximate estimate, made on the basis of the bearing area in 1932 and given as an indication. — (3) Wine. — (4) Resurgence statistics. — (5) Total olive production.



## 11. — DETAILS REGARDING VITICULTURE AND OLIVICULTURE IN 1930 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|---|--------------------|----------------------|---------------|
|   | number             |                      | number        |
| VITICULTURE: VINTAGE RETURNS:   |                    |                      |               |
| Number of returns received . . . . .  | 7,799              | —                    | 7,799         |
| Average cultivated area per return . . . . .                                      | 86.0               | —                    | 86.0          |
| Average wine production per return . . . . .                                      | 38,760             | —                    | 38,760        |
| Wine produced by growers making returns . . . . .                                 | 264,490,446        | —                    | 264,490,446   |
| Must received from other growers (1) . . . . .                                    | 362,366            | —                    | 362,366       |
| Quantity of wine represented by vintage received from other growers (2) . . . . . | 37,483,231         | —                    | 37,483,231    |
| Total wine produced by growers making returns . . . . .                           | 302,336,043        | —                    | 302,336,043   |
| Stocks of wine from previous vintages . . . . .                                   | 10,938,546         | —                    | 10,938,546    |
| Total quantity returned . . . . .   | 313,274,589        | —                    | 313,274,589   |
| Must shipped (3) . . . . .  | 486,716            | —                    | 486,716       |
| Vintage shipped (3) . . . . .   | 36,510,940         | —                    | 36,510,940    |
| OLIVICULTURE: PRODUCTION:   |                    |                      |               |
| Olive production for preserving . . . . .   | 58,733             | 37                   | 33,779        |
| Olive production for oil . . . . .  | 423,367            | 74                   | 423,461       |
| Total . . . . .   | 482,100            | 111                  | 457,240       |
| Production of olive-oil . . . . .   | (3) 5,556,493      | (3) 704              | (3) 5,557,197 |
| Oil yield of olives . . . . .   | 13.1               | 9.5                  | 13.1          |

(\*). *Annuaire statistique*. — (1) One imp. gallon of must is treated as equal to one imp. gallon of wine. — (2) Derived from a vintage of 464,065,000 lb. and calculated on the basis of 2 imp. gallons of wine to 3 imp. gallons of vintage. — (3) One imp. gallon weighs on the average about 9 lb.

## 12. — FRUIT AND OTHER TREE CROPS AND NURSERIES IN 1930 (\*).

| CLASSIFICATION                      | NORTHERN TERRITORY |                     |                 |                     |
|-------------------------------------|--------------------|---------------------|-----------------|---------------------|
|                                     | Trees in orchards  |                     | Scattered trees |                     |
|                                     | Absolute data      | Percentage of total | Absolute data   | Percentage of total |
|                                     | acres              | %                   | number          | %                   |
| FRUIT TREES:                        |                    |                     |                 |                     |
| Apple and pear . . . . .            | 4,418              | 4.1                 | 92,788          | 3.2                 |
| Cherry . . . . .                    | 2,301              | 2.1                 | 54,076          | 1.9                 |
| Apricot . . . . .                   | 1,927              | 1.8                 | 103,759         | 3.5                 |
| Peach . . . . .                     | 3,190              | 2.9                 | 84,884          | 2.9                 |
| Almond . . . . .                    | 4,648              | 4.3                 | 351,756         | 11.3                |
| Fig . . . . .                       | 76,497             | 72.6                | 1,603,890       | 54.6                |
| Medlar . . . . .                    | 459                | 0.9                 | 48,411          | 1.6                 |
| Plum . . . . .                      | 3,843              | 3.5                 | 177,485         | 6.0                 |
| Carob . . . . .                     | 3,666              | 3.3                 | 249,592         | 8.5                 |
| Various . . . . .                   | 2,671              | 2.5                 | 192,030         | 6.5                 |
| Total . . . . .                     | 108,162            | 100.0               | 2,998,671       | 100.0               |
| SPECIAL TREES AND BUSHES:           |                    |                     |                 |                     |
| Caper . . . . .                     | —                  | —                   | 420,439         | 49.8                |
| Eucalyptus . . . . .                | —                  | —                   | 424,136         | 50.2                |
| Total . . . . .                     | —                  | —                   | 844,575         | 100.0               |
| NURSERIES FOR YOUNG TREES . . . . . | 1,240              | —                   | —               | —                   |

(\*). *Statistique algérienne*.

## 12. — FRUIT AND OTHER TREE CROPS AND NURSERIES IN 1930 (\*). (continued).

| CLASSIFICATION                      | SOUTHERN TERRITORIES |                     |                 |                     |
|-------------------------------------|----------------------|---------------------|-----------------|---------------------|
|                                     | Trees in orchards    |                     | Scattered trees |                     |
|                                     | Absolute data        | Percentage of total | Absolute data   | Percentage of total |
|                                     | acres                | %                   | number          | %                   |
| FRUIT TREES:                        |                      |                     |                 |                     |
| Apple and pear . . . . .            | 22                   | 4.3                 | 3,730           | 2.6                 |
| Cherry . . . . .                    | 0                    | 0.0                 | 210             | 0.2                 |
| Apricot . . . . .                   | 121                  | 25.2                | 23,842          | 16.9                |
| Peach . . . . .                     | 35                   | 2.9                 | 13,782          | 9.8                 |
| Almond . . . . .                    | 5                    | 0.9                 | 1,316           | 0.9                 |
| Fig . . . . .                       | 339                  | 64.9                | 72,540          | 51.5                |
| Medlar . . . . .                    | —                    | —                   | 2,412           | 1.7                 |
| Plum . . . . .                      | 17                   | 3.3                 | 2,938           | 1.4                 |
| Carob . . . . .                     | —                    | —                   | 789             | 0.6                 |
| Various . . . . .                   | 2                    | 0.5                 | 20,373          | 14.4                |
| Total . . . . .                     | 521                  | 100.0               | 141,634         | 100.0               |
| SPECIAL TREES AND BUSHES:           |                      |                     |                 |                     |
| Caper . . . . .                     | —                    | —                   | 1,050           | 81.6                |
| Eucalyptus . . . . .                | —                    | —                   | 236             | 18.4                |
| Total . . . . .                     | —                    | —                   | 1,286           | 100.0               |
| NURSERIES FOR YOUNG TREES . . . . . | 29                   | —                   | —               | —                   |

(\*). *Statistique algérienne*.

## 12. — FRUIT AND OTHER TREE CROPS AND NURSERIES IN 1930 (\*) (concluded).

| CLASSIFICATION                   | WHOLE COUNTRY     |                     |                  |                     |
|----------------------------------|-------------------|---------------------|------------------|---------------------|
|                                  | Trees in orchards |                     | Scattered trees  |                     |
|                                  | Absolute data     | Percentage of total | Absolute data    | Percentage of total |
|                                  | acres             | %                   | number           | %                   |
| <b>FRUIT TREES</b>               |                   |                     |                  |                     |
| Apple and pear                   | 4,440             | 4.1                 | 96,518           | 3.1                 |
| Cherry                           | 2,301             | 2.1                 | 54,786           | 1.8                 |
| Apricot                          | 2,048             | 1.9                 | 127,601          | 4.2                 |
| Peach                            | 3,250             | 2.9                 | 96,666           | 3.2                 |
| Almond                           | 4,653             | 4.3                 | 332,972          | 10.8                |
| Fig                              | 28,836            | 22.5                | 1,676,530        | 54.4                |
| Muldar                           | 959               | 0.9                 | 50,823           | 1.7                 |
| Plum                             | 5,960             | 5.5                 | 174,523          | 5.8                 |
| Carob                            | 3,608             | 3.3                 | 250,381          | 8.1                 |
| Various                          | 2,675             | 2.5                 | 212,405          | 6.9                 |
| <b>Total</b>                     | <b>168,683</b>    | <b>100.0</b>        | <b>3,079,705</b> | <b>100.0</b>        |
| <b>SPECIAL TREE AND BUSHES</b>   |                   |                     |                  |                     |
| Cocot                            | —                 | —                   | 421,499          | 41.8                |
| Eucalyptus                       | —                 | —                   | 424,412          | 50.2                |
| <b>Total</b>                     | <b>—</b>          | <b>—</b>            | <b>845,911</b>   | <b>100.0</b>        |
| <b>NURSERIES FOR YOUNG TREES</b> | <b>7,329</b>      | <b>—</b>            | <b>—</b>         | <b>—</b>            |

(\*) *Statistique quinquennale.*

## 13. — EXPORTS OF FRUIT IN 1930 (\*).

| CLASSIFICATION                              | QUANTITY      |
|---|---------------|
|   | 1000 lb.      |
| <b>FRESH FRUIT:</b>                         |               |
| <b>Citrus:</b>                              |               |
| Lemons                                      | 636           |
| Mandarins and tangerines                    | 34,424        |
| Oranges                                     | 13,656        |
| <b>Total</b>                                | <b>48,696</b> |
| <b>Almonds</b> . . . . . 695                |               |
| <b>Dates</b> . . . . . 26,522               |               |
| <b>Fresh figs</b> . . . . . 8               |               |
| <b>Fresh apples and pears</b> . . . . . 272 |               |
| <b>Plums</b> . . . . . 4,235                |               |
| <b>Table grapes</b> . . . . . 17,693        |               |
| <b>Other fresh fruits</b> . . . . . 579     |               |
| <b>Dried fruit:</b>                         |               |
| Carobs                                      | 19,814        |
| Dried figs                                  | 25,575        |

(\*) *Annuaire statistique.*

## 14. — STATE FORESTS: AREA AND VARIATIONS IN AREA OF DEMESNE FORESTS, AND PROPORTION TO TOTAL FOREST AREA IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY    |                     |
|--|--------------------|---------------------|----------------------|---------------------|------------------|---------------------|
|  | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data    | Percentage of total |
|  | acres              | %                   | acres                | %                   | acres            | %                   |
| <b>FORESTS, WOODS AND BUSHES BELONGING TO THE STATE</b>    |                    |                     |                      |                     |                  |                     |
| <i>Area of demesne forests:</i>                            |                    |                     |                      |                     |                  |                     |
| Area on 1 January 1930                                     | 5,393,546          | —                   | —                    | —                   | 5,393,546        | —                   |
| <i>Variations in the course of the year:</i>               |                    |                     |                      |                     |                  |                     |
| by acquisitions  | + 33,842           | —                   | —                    | —                   | + 33,842         | —                   |
| by disposals   | — 3,437            | —                   | —                    | —                   | — 3,437          | —                   |
| by various changes   | — 3,393            | —                   | —                    | —                   | — 3,393          | —                   |
| Area on 31 December 1930                                   | 5,420,558          | 56.9                | —                    | —                   | 5,420,558        | 55.2                |
| Other forests, woods and bushes belonging to the State (1) | (1) 506,610        | 6.2                 | (1) 306,415          | 100.0               | (1) 895,025      | 9.1                 |
| <b>Total</b>   | <b>6,007,168</b>   | <b>63.1</b>         | <b>306,415</b>       | <b>100.0</b>        | <b>6,313,583</b> | <b>64.3</b>         |
| <b>FORESTS, WOODS AND BUSHES BELONGING TO OTHER OWNERS</b> |                    |                     |                      |                     |                  |                     |
| <b>Total</b>   | <b>3,509,892</b>   | <b>35.9</b>         | <b>—</b>             | <b>—</b>            | <b>3,509,892</b> | <b>35.7</b>         |
| <b>Grand total</b>   | <b>9,517,060</b>   | <b>100.0</b>        | <b>306,415</b>       | <b>100.0</b>        | <b>9,823,475</b> | <b>100.0</b>        |

(\*) *Annuaire and Recensements statistiques.* — (1) Figures representing the difference between the Statistics obtained by the Agricultural Department for the purpose of ascertaining the distribution of land, and those of the area of demesne forests obtained by the Forest Department.

## 15. — PRODUCTION OF DEMESNE FORESTS IN 1930 (\*).

| CLASSIFICATION                  | NORTHERN TERRITORY |               |
|---------------------------------|--------------------|---------------|
|                                 | Measure            | Absolute data |
| <b>WOOD AND BARK (BELLING):</b> |                    |               |
| Wood for fuel                   | cubic feet         | 4,951,446     |
| Charcoal                        | 1000 lb.           | 45,740        |
| Timber                          | cubic feet         | 1,487,989     |
| Railway sleepers                | number             | 117,458       |
| Pole                            | "                  | 101,567       |
| Timber                          | 1000 lb.           | 3,311         |
| <b>CORK:</b>                    |                    |               |
| Marketable cork                 | 1000 lb.           | 11,179        |
| Waste cork                      | "                  | 11,360        |
| <b>Total cork harvested</b>     | <b>1000 lb.</b>    | <b>22,539</b> |

(\*) *Annuaire statistique.*

## 16. — VALUE OF PRODUCTION OF ALL STATE FORESTS IN 1930 (\*).

| CLASSIFICATION                                    | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|---|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|   | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|   | francs             | %                   | francs               | %                   | francs        | %                   |
| <b>PRODUCTS SOLD FOR CASH:</b>                    |                    |                     |                      |                     |               |                     |
| Sale of wood and bark (fellings) . . . . .        | 4,925,052          | 21.1                | 59,410               | 56.7                | 4,984,462     | 21.2                |
| Sale of cork (1):                                 |                    |                     |                      |                     |               |                     |
| marketable cork . . . . .                         | 6,124,697          | 26.2                | —                    | —                   | 6,124,697     | 26.1                |
| waste cork . . . . .                              | 927,272            | 3.9                 | —                    | —                   | 927,272       | 3.9                 |
| Total . . . . .                                   | 7,051,969          | 30.1                | —                    | —                   | 7,051,969     | 30.0                |
| Sale of various products . . . . .                | 4,768,701          | 20.4                | 44,790               | 42.7                | 2,410,611     | 10.3                |
| Sale of silva gross . . . . .                     | —                  | —                   | —                    | —                   | 2,402,890     | 10.2                |
| Total products sold for cash . . . . .            | 16,745,722         | 71.6                | 104,200              | 99.4                | 16,849,927    | 71.7                |
| Average product per acre . . . . .                | 6.39               | —                   | 0.64                 | —                   | 6.60          | —                   |
| <b>PRODUCTS GIVEN AWAY FREE OR EXCHANGED FOR:</b> |                    |                     |                      |                     |               |                     |
| Total . . . . .                                   | 6,644,955          | 28.4                | 659                  | 0.6                 | 6,645,585     | 28.3                |
| Average product per acre . . . . .                | 2.73               | —                   | 0.01                 | —                   | 2.80          | —                   |
| Grand total of products . . . . .                 | 23,390,677         | 100.0               | 104,859              | 100.0               | 23,495,507    | 100.0               |
| Average product per acre . . . . .                | 9.62               | —                   | 0.85                 | —                   | 9.20          | —                   |

(\*). *Assessable and Reassignments statistics.* — (1) Average price per quintal (1 quintal = 220.463 lb.) of reproductive cork: 239.33 francs.

## 17. — FOREST FIRES ON TOTAL FOREST AREA IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORIES | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|--|----------------------|----------------------|---------------|
|  | number               | number               | number        |
| <b>NUMBER OF FIRES:</b>  |                      |                      |               |
| Periods 1 January to 30 June and 1 November to 31 December . . . . . | 196                  | —                    | 196           |
| Period 1 July to 31 October . . . . .                                | 267                  | 1                    | 268           |
| Total . . . . .  | 465                  | 1                    | 466           |
| <b>EXTENT OF FIRES:</b>  |                      |                      |               |
| Acres burnt . . . . .  | 26,379 acres         | 5 acres              | 26,384 acres  |
| Proportion of total forest area . . . . .                            | 0.28 %               | 0.002 %              | 0.27 %        |
| <b>ESTIMATE OF DAMAGE DONE:</b>                                      |                      |                      |               |
| Total damage . . . . .   | (1) 2,749,876        | 200                  | 2,750,076     |
| Damage per acre of area burnt . . . . .                              | (1) 104.25           | 40.47                | 104.25        |
| Damage per acre of total forest area . . . . .                       | (1) 0.29             | 0.00                 | 0.28          |

(\*). *Assessable statistics.* — (1) Including 2,176,072 frs. for State forests (0.36 frs. per acre), 120,630 frs. for communally owned forests, and 453,174 frs. for privately-owned forests (0.16 frs. per acre for those forests together). For State forests, the estimated damage represents 9.3 per cent. of the estimated production in 1930.

## 18. — AGRICULTURAL MACHINERY AND IMPLEMENTS ON AGRICULTURAL PROPERTIES IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|--|--------------------|----------------------|---------------|
|  | number             | number               | number        |
| <b>MACHINES FOR FIELD WORK:</b>                                    |                    |                      |               |
| <i>Equipment for digging:</i>                                      |                    |                      |               |
| steam . . . . .  | 144                | 2                    | 146           |
| electric . . . . .   | 2                  | —                    | 2             |
| Total . . . . .  | 146                | 2                    | 148           |
| <i>Tractors for agriculture and viticulture:</i>                   |                    |                      |               |
| under 25 h. p. . . . .   | 3,610              | 9                    | 3,619         |
| over 25 h. p. . . . .  | 1,555              | 1                    | 1,556         |
| unspecified . . . . .  | 159                | —                    | 159           |
| Total . . . . .  | 5,324              | 10                   | 5,334         |
| <i>Mixer threshers and threshers driven by stationary engines:</i> |                    |                      |               |
| under 25 h. p. . . . .   | 350                | —                    | 350           |
| over 25 h. p. . . . .  | 227                | —                    | 227           |
| Total . . . . .  | 577                | —                    | 577           |
| <i>Ploughs:</i>  |                    |                      |               |
| European type . . . . .  | 194,845            | 5,669                | 200,514       |
| native type . . . . .  | 319,936            | 24,125               | 344,061       |
| Total . . . . .  | 514,781            | 29,794               | 544,575       |
| Harrow . . . . .   | 56,123             | 313                  | 56,436        |
| Disc pulverizers . . . . .   | 8,964              | 3                    | 8,967         |
| Cultivators, Canadian harrows, scarifiers . . . . .                | 14,833             | 2                    | 14,835        |
| Ordinary rollers and creskills . . . . .                           | 10,239             | 18                   | 10,257        |
| Sowing machines . . . . .  | 4,885              | 6                    | 4,891         |
| <b>HARVESTING MACHINES:</b>  |                    |                      |               |
| Mowers . . . . .   | 6,592              | 4                    | 6,596         |
| Harvester-binders . . . . .  | 15,421             | 12                   | 15,433        |
| Harvester-threshers . . . . .                                      | 439                | 1                    | 440           |
| Cereal threshers . . . . .   | 1,581              | 4                    | 1,585         |
| <b>TRANSPORT MATERIAL:</b>   |                    |                      |               |
| Locomotives (steam-engines) . . . . .                              | 1,524              | —                    | 1,524         |
| Wagons, trucks and carts . . . . .                                 | 52,813             | 193                  | 53,006        |

(\*). *Statistique européenne.*

## 19. — LIVESTOCK ON 31 DECEMBER 1929 (\*).

| CLASSIFICATION        | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|-----------------------|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|                       | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|                       | number             | %                   | number               | %                   | number        | %                   |
| <b>HORSES</b>         |                    |                     |                      |                     |               |                     |
| Male                  | 71,558             | 42.8                | 1,859                | 20.4                | 73,417        | 42.3                |
| Female                | 95,599             | 57.2                | 4,461                | 70.6                | 100,060       | 57.7                |
| Total                 | 167,157            | 100.0               | 6,320                | 100.0               | 173,477       | 100.0               |
| <b>MULES</b>          | 168,023            | —                   | 1,375                | —                   | 169,398       | —                   |
| <b>ASSES</b>          | 360,116            | —                   | 41,524               | —                   | 401,640       | —                   |
| <b>CATTLE</b>         |                    |                     |                      |                     |               |                     |
| Cows and heifers      | 459,254            | 50.5                | 17,391               | 59.5                | 476,645       | 50.8                |
| Oxen and bull-calves  | 386,612            | 42.6                | 9,012                | 31.2                | 395,624       | 42.2                |
| Bulls                 | 62,747             | 6.9                 | 2,685                | 9.3                 | 65,432        | 7.0                 |
| Total                 | 908,613            | 100.0               | 28,668               | 100.0               | 937,281       | 100.0               |
| <b>SHEPS</b>          |                    |                     |                      |                     |               |                     |
| Ewes and ewe-lambs    | 2,668,500          | 56.1                | 1,474,880            | 61.1                | 4,143,380     | 57.8                |
| Wethers and ram-lambs | 1,772,130          | 37.3                | 852,586              | 35.3                | 2,624,716     | 36.6                |
| Rams                  | 316,420            | 6.6                 | 87,405               | 3.6                 | 403,825       | 5.6                 |
| Total                 | 4,756,850          | 100.0               | 2,414,871            | 100.0               | 7,171,721     | 100.0               |
| <b>GOATS</b>          | 2,498,038          | —                   | 768,716              | —                   | 3,266,754     | —                   |
| <b>PIGS (1)</b>       | 86,920             | —                   | 507                  | —                   | 87,427        | —                   |
| <b>CAMELS</b>         | 45,231             | —                   | 156,125              | —                   | 201,356       | —                   |

(\*). Annuaire statistique. — (1) Owned by Europeans only; Modern natives, as a rule, do not keep pigs.

## 20. — POULTRY AND RABBITS IN 1930 (\*).

| CLASSIFICATION | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|----------------|--------------------|----------------------|---------------|
|                | number             | number               | number        |
| <b>Fowl</b>    | 3,899,579          | 208,849              | 4,108,428     |
| Geese          | 58,735             | 198                  | 58,933        |
| Ducks          | 127,695            | 800                  | 128,495       |
| Turkeys        | 56,206             | 659                  | 56,865        |
| Guinea-fowl    | 28,135             | 211                  | 28,346        |
| Total poultry  | 4,170,350          | 210,717              | 4,381,067     |
| <b>Pigeons</b> | 589,615            | 118,434              | 708,049       |
| <b>Rabbits</b> | 307,088            | 104,120              | 411,208       |

(\*). Statistique quinquennale.

## 21. — ANIMAL PRODUCTS IN 1929-30.

| CLASSIFICATION  | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |                     |
|-----------------|--------------------|----------------------|---------------|---------------------|
|                 |                    |                      | Absolute data | Percentage of total |
| Milk (1)        | 23,926,818         | 6,660,736            | 30,587,554    |                     |
| Butter (1)      | 2,856,954          | 1,849,541            | 4,706,495     |                     |
| Cheese (1)      | 136,246            | 350,831              | 487,077       |                     |
| Greasy wool (2) | 46,888 (3)         | 8,382 (3)            | 55,270        |                     |

(1) Statistique quinquennale. — (2) Annuaire statistique. — Yield of seamed wool: 45 per cent. — (3) These figures have been shown by subsequent enquiries to be too low and they are given only to serve as an indication.

## 22. — CONTAGIOUS LIVESTOCK DISEASES IN 1929-30: NORTHERN TERRITORY (\*).

| CLASSIFICATION  | FARM OR INFECTED FLOCKS |          | DISEASED ANIMALS | MORTALITY  | ANIMALS TREATED |
|---|-------------------------|----------|------------------|------------|-----------------|
|   | number                  | head     | head             | head       | head            |
| <b>CONTAGIOUS DISEASES AFFECTING ALL CLASSES OF LIVESTOCK, EXCEPT CAMELS:</b> |                         |          |                  |            |                 |
| Rabies  | —                       | —        | (1) 623          | —          | —               |
| Anthrax   | 20                      | 1,346    | —                | 52 (2)     | 9,971           |
| Foot-and-mouth disease (excepting horses and asses)                           | 255                     | —        | 5,419            | —          | —               |
| <b>CONTAGIOUS HORSE AND ASS DISEASES:</b>                                     |                         |          |                  |            |                 |
| Clebscher's   | 43                      | —        | (3) 53           | —          | (4) 1,316       |
| Cowdriep-disease  | 36                      | 114      | 66               | 28 (5)     | 18              |
| Scab  | 6                       | 23       | 19               | —          | —               |
| Farcy   | 44                      | 706      | 64               | 1          | —               |
| <b>CONTAGIOUS CATTLE DISEASES:</b>  |                         |          |                  |            |                 |
| Tuberculosis  | (6) 83                  | —        | (7) 98           | —          | —               |
| Blackleg  | 59                      | 2,141    | —                | 182 (2)    | 24,904          |
| <b>CONTAGIOUS SHEEP AND GOAT DISEASES:</b>                                    |                         |          |                  |            |                 |
| Scab  | 12                      | 341      | 174              | 49         | —               |
| Sheep-pox   | 85                      | 47,646   | 1,147            | 113 (2)    | 1,550,573       |
| <b>CONTAGIOUS PIG DISEASES:</b>   |                         |          |                  |            |                 |
| Swine plague  | 11                      | 636      | 52               | 48         | —               |
| <b>Total contagious livestock diseases</b>                                    | <b>640</b>              | <b>—</b> | <b>—</b>         | <b>473</b> | <b>—</b>        |

(\*). Annuaire statistique. — Diseases which must be compulsorily notified under the sanitary police regulations. — (1) Cases reported; persons bitten: 3,909. — (2) Vaccinations. — (3) Animals suspected: 41. — (4) Treated with mallein subcutaneous. — (5) Castration. — (6) Contagious infected: 83. — (7) Cases reported.

## 23. — APICULTURE: EXTENT AND PRODUCTION IN 1930 (\*).

| CLASSIFICATION                   | NORTHERN TERRITORY |                       | SOUTHERN TERRITORIES |                       | WHOLE COUNTRY |                       |
|----------------------------------|--------------------|-----------------------|----------------------|-----------------------|---------------|-----------------------|
|                                  | Absolute data      | Average               | Absolute data        | Average               | Absolute data | Average               |
|                                  | number             | number per bee-keeper | number               | number per bee-keeper | number        | number per bee-keeper |
| NUMBER OF BEE-KEEPERS . . . . .  | 19,022             | —                     | 25                   | —                     | 19,047        | —                     |
| NUMBER OF HIVES IN USE . . . . . | 136,139            | 7.2                   | 251                  | 10.0                  | 136,390       | 7.2                   |
| PRODUCTION:                      | lb.                | lb. per hive          | lb.                  | lb. per hive          | lb.           | lb. per hive          |
| Honey . . . . .                  | 1,099,967          | 8.1                   | 1,830                | 7.3                   | 1,101,797     | 8.1                   |
| Wax . . . . .                    | 296,002            | 2.2                   | 758                  | 3.0                   | 296,760       | 2.2                   |

(\*) Statistique économique.

## 24. — SERICULTURE: EXTENT AND PRODUCTION IN 1930.

| CLASSIFICATION                                       | NORTHERN TERRITORY |                   | SOUTHERN TERRITORIES |         | WHOLE COUNTRY |                   |
|--|--------------------|-------------------|----------------------|---------|---------------|-------------------|
|  | Absolute data      | Average           | Absolute data        | Average | Absolute data | Average           |
|  | number             | number            | number               | number  | number        | number            |
| MILKMAKERS (1) . . . . .                             | 79,982             | —                 | 81                   | —       | 79,963        | —                 |
| SILKMOON REARERS (2) . . . . .                       | 51                 | —                 | (3)                  | —       | 51            | —                 |
| REARINGS (2):  | oases              | oases per rearing | (3)                  | (3)     | oases         | oases per rearing |
| Eggs put into incubation . . . . .                   | 62                 | 1.2               | (3)                  | (3)     | 62            | 1.2               |
| Fresh cocoons delivered to killing centres . . . . . | lb. 3,390          | lb. per oasis 55  | (3)                  | (3)     | lb. 3,390     | lb. per oasis 55  |

(1) Statistique économique. — (2) Assaïre statistique. — (3) No information available, but rearings are non-existent or insignificant.

## 25. — AGRICULTURAL POPULATION ACCORDING TO STATUS AND NATIONALITY (\*).

| CLASSIFICATION  | NORTHERN TERRITORY |            |          | SOUTHERN TERRITORIES |            |          | WHOLE COUNTRY |            |          |
|---|--------------------|------------|----------|----------------------|------------|----------|---------------|------------|----------|
|   | Absolute data      | Percentage |          | Absolute data        | Percentage |          | Absolute data | Percentage |          |
|   |                    | of group   | of total |                      | of group   | of total |               | of group   | of total |
| OWNERS:   | number             | %          | %        | number               | %          | %        | number        | %          | %        |
| Europeans:  |                    |            |          |                      |            |          |               |            |          |
| French . . . . .                                      | 31,160             | 2.5        | 1.3      | —                    | —          | —        | —             | —          | —        |
| Spanish . . . . .                                     | 2,111              | 0.2        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Italian . . . . .                                     | 479                | 0.04       | 0.02     | —                    | —          | —        | —             | —          | —        |
| Other Europeans . . . . .                             | 311                | 0.03       | 0.01     | —                    | —          | —        | —             | —          | —        |
| Total of Europeans . . . . .                          | 34,061             | 2.8        | 1.4      | 760                  | 0.6        | 0.3      | 34,821        | 2.5        | 1.4      |
| Natives . . . . .                                     | 1,295,069          | 97.2       | 98.2     | 129,701              | 99.4       | 92.1     | 1,338,770     | 97.5       | 98.3     |
| Total number of owners . . . . .                      | 1,263,130          | 100.0      | 91.6     | 130,461              | 100.0      | 92.4     | 1,373,591     | 100.0      | 91.7     |
| SHARE-TENANTS AND „KHAMMIS“ (1):                      |                    |            |          |                      |            |          |               |            |          |
| Europeans:  |                    |            |          |                      |            |          |               |            |          |
| French . . . . .                                      | 3,899              | 0.6        | 0.2      | —                    | —          | —        | —             | —          | —        |
| Spanish . . . . .                                     | 1,578              | 0.3        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Italian . . . . .                                     | 116                | 0.02       | 0.005    | —                    | —          | —        | —             | —          | —        |
| Other Europeans . . . . .                             | 85                 | 0.01       | 0.004    | —                    | —          | —        | —             | —          | —        |
| Total of Europeans . . . . .                          | 5,678              | 0.9        | 0.3      | 110                  | 0.1        | 0.1      | 5,788         | 0.8        | 0.2      |
| Natives . . . . .                                     | 634,690            | 99.1       | 26.3     | 78,787               | 99.9       | 31.6     | 713,357       | 99.2       | 26.9     |
| Total number of share-tenants and „Khammis“ . . . . . | 640,270            | 100.0      | 26.6     | 78,897               | 100.0      | 31.7     | 719,175       | 100.0      | 27.1     |
| TENANTS:  |                    |            |          |                      |            |          |               |            |          |
| Europeans:  |                    |            |          |                      |            |          |               |            |          |
| French . . . . .                                      | 5,999              | 9.5        | 0.2      | —                    | —          | —        | —             | —          | —        |
| Spanish . . . . .                                     | 2,116              | 3.6        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Italian . . . . .                                     | 298                | 0.5        | 0.01     | —                    | —          | —        | —             | —          | —        |
| Other Europeans . . . . .                             | 136                | 0.2        | 0.01     | —                    | —          | —        | —             | —          | —        |
| Total of Europeans . . . . .                          | 8,149              | 13.8       | 0.3      | 21                   | 0.4        | 0.008    | 8,170         | 12.8       | 0.3      |
| Natives . . . . .                                     | 50,771             | 86.2       | 2.1      | 4,875                | 99.6       | 1.9      | 55,606        | 87.2       | 2.1      |
| Total number of tenants . . . . .                     | 58,920             | 100.0      | 2.4      | 4,896                | 100.0      | 1.9      | 63,776        | 100.0      | 2.4      |
| LABOURERS:  |                    |            |          |                      |            |          |               |            |          |
| Europeans:  |                    |            |          |                      |            |          |               |            |          |
| French . . . . .                                      | 18,917             | 4.1        | 0.8      | —                    | —          | —        | —             | —          | —        |
| Spanish . . . . .                                     | 14,559             | 3.1        | 0.6      | —                    | —          | —        | —             | —          | —        |
| Italian . . . . .                                     | 1,951              | 0.4        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Other Europeans . . . . .                             | 1,655              | 0.4        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Total of Europeans . . . . .                          | 37,082             | 8.0        | 1.6      | 552                  | 1.6        | 0.2      | 37,634        | 7.5        | 1.4      |
| Natives . . . . .                                     | 428,032            | 92.0       | 17.8     | 34,435               | 98.4       | 13.8     | 462,467       | 92.5       | 17.4     |
| Total number of labourers . . . . .                   | 465,114            | 100.0      | 19.4     | 34,987               | 100.0      | 14.0     | 500,101       | 100.0      | 18.8     |
| TOTAL AGRICULTURAL POPULATION:                        |                    |            |          |                      |            |          |               |            |          |
| Europeans:  |                    |            |          |                      |            |          |               |            |          |
| French . . . . .                                      | 59,575             | 2.5        | 2.5      | —                    | —          | —        | —             | —          | —        |
| Spanish . . . . .                                     | 20,364             | 0.8        | 0.9      | —                    | —          | —        | —             | —          | —        |
| Italian . . . . .                                     | 2,644              | 0.1        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Other Europeans . . . . .                             | 2,187              | 0.1        | 0.1      | —                    | —          | —        | —             | —          | —        |
| Total of Europeans . . . . .                          | 84,970             | 3.5        | 3.5      | 1,443                | 0.6        | 0.6      | 86,413        | 3.3        | 3.3      |
| Natives . . . . .                                     | 2,322,472          | 96.5       | 96.4     | 247,758              | 99.4       | 99.4     | 2,570,230     | 96.7       | 96.7     |
| Total agricultural population . . . . .               | 2,407,442          | 100.0      | 100.0    | 249,201              | 100.0      | 100.0    | 2,656,643     | 100.0      | 100.0    |

(\*) Statistique économique. — (1) A form of share-cropping, known as khammis, practised only by the natives, in which the tenant supplies only the labour for cultivation and receives generally one-fifth of the crop.

25. — AGRICULTURAL POPULATION ACCORDING TO STATUS AND NATIONALITY (\*) (concluded).

| CLASSIFICATION   | NORTHERN TERRITORY |                     |  | SOUTHERN TERRITORIES |                     |  | WHOLE COUNTRY    |                     |  |
|--|--------------------|---------------------|--|----------------------|---------------------|--|------------------|---------------------|--|
|  | Total population   | Percentage of total | Agricultural population as percentage of group | Total population     | Percentage of total | Agricultural population as percentage of total | Total population | Percentage of total | Agricultural population as percentage of total |
|  | number             | %                   | %  | number               | %                   | %  | number           | %                   | %  |
| Municipal population (1):  |                    |                     |  |                      |                     |  |                  |                     |  |
| Europeans:   |                    |                     |  |                      |                     |  |                  |                     |  |
| French   | 327,865            | 12.3                | 8.2  | 5,377                | 0.9                 | —  | 733,242          | 11.3                | —  |
| Other Europeans  | 147,771            | 2.5                 | 17.2   | 571                  | 0.1                 | —  | 148,342          | 2.3                 | —  |
| Total Europeans  | 475,636            | 14.8                | 9.7  | 5,948                | 1.0                 | 24.7   | 881,584          | 13.6                | 9.8  |
| Natives  | 5,038,383          | 85.2                | 46.2   | 261,931              | 99.0                | 44.1   | 5,588,314        | 86.4                | 46.0   |
| Total municipal population                                       | 5,902,019          | 100.0               | 40.8   | 267,879              | 100.0               | 43.9   | 6,469,898        | 100.0               | 41.1   |
| Total population, including the population calculated separately | 5,978,833          | —                   | 40.3   | 274,618              | —                   | 43.3   | 6,553,451        | —                   | 40.5   |

(\*) Statistique quinquennale. — (1) Organized in municipalities; part of the country, where the population is scattered and none has no municipal organization.

26. — AGRICULTURAL LABOUR IN 1930, ACCORDING TO RESIDENCE AND NATIONALITY (\*) (1).

| CLASSIFICATION  | NORTHERN TERRITORY               |                     |                     | SOUTHERN TERRITORIES             |                     |                     | WHOLE COUNTRY                    |                     |                     |
|---|----------------------------------|---------------------|---------------------|----------------------------------|---------------------|---------------------|----------------------------------|---------------------|---------------------|
|   | Number of agricultural labourers |                     |                     | Number of agricultural labourers |                     |                     | Number of agricultural labourers |                     |                     |
|   | Absolute data                    | Percentage of group | Percentage of total | Absolute data                    | Percentage of group | Percentage of total | Absolute data                    | Percentage of group | Percentage of total |
|   | number                           | %                   | %                   | number                           | %                   | %                   | number                           | %                   | %                   |
| LABOURERS PERMANENTLY RESIDENT IN THE DISTRICT WHERE THEY ARE EMPLOYED:     |                                  |                     |                     |                                  |                     |                     |                                  |                     |                     |
| Europeans:  |                                  |                     |                     |                                  |                     |                     |                                  |                     |                     |
| French  | 19,680                           | 4.3                 | 3.4                 | —                                | —                   | —                   | —                                | —                   | —                   |
| Other Europeans   | 17,663                           | 3.9                 | 3.0                 | —                                | —                   | —                   | —                                | —                   | —                   |
| Total Europeans   | 37,343                           | 4.2                 | 6.4                 | 56                               | 0.1                 | 0.1                 | 37,399                           | 7.1                 | 3.7                 |
| Natives   | 419,830                          | 91.8                | 72.2                | 71,511                           | 99.9                | 97.4                | 481,341                          | 92.9                | 75.0                |
| Total Europeans and natives   | 457,173                          | 100.0               | 78.6                | 71,567                           | 100.0               | 97.5                | 528,740                          | 100.0               | 80.7                |
| LABOURERS NOT PERMANENTLY RESIDENT IN THE DISTRICT WHERE THEY ARE EMPLOYED: |                                  |                     |                     |                                  |                     |                     |                                  |                     |                     |
| Europeans:  |                                  |                     |                     |                                  |                     |                     |                                  |                     |                     |
| French  | 2,153                            | 1.8                 | 0.4                 | —                                | —                   | —                   | —                                | —                   | —                   |
| Other Europeans   | 4,026                            | 3.2                 | 0.7                 | —                                | —                   | —                   | 6,179                            | 4.9                 | 1.0                 |
| Total Europeans   | 6,179                            | 5.0                 | 1.1                 | —                                | —                   | —                   | 6,179                            | 5.1                 | 1.3                 |
| Natives   | 118,260                          | 95.0                | 20.3                | 1,828                            | 100.0               | 2.5                 | 124,438                          | 95.1                | 19.3                |
| Total Europeans and natives   | 124,439                          | 100.0               | 21.4                | 1,828                            | 100.0               | 2.5                 | 130,617                          | 100.0               | 19.3                |
| TOTAL LABOURERS:  |                                  |                     |                     |                                  |                     |                     |                                  |                     |                     |
| Europeans:  |                                  |                     |                     |                                  |                     |                     |                                  |                     |                     |
| French  | 21,833                           | 50.2                | 3.8                 | —                                | —                   | —                   | —                                | —                   | —                   |
| Other Europeans   | 21,669                           | 49.8                | 3.7                 | —                                | —                   | —                   | 6,179                            | 100.0               | 6.7                 |
| Total Europeans   | 43,502                           | 100.0               | 7.5                 | 56                               | 100.0               | 0.1                 | 43,558                           | 100.0               | 6.7                 |
| Natives   | 518,096                          | 100.0               | 92.5                | 73,337                           | 100.0               | 99.9                | 611,427                          | 100.0               | 93.3                |
| Total number of agricultural labourers (1)                                  | 561,612                          | —                   | 100.0               | 73,393                           | —                   | 100.0               | 655,005                          | —                   | 100.0               |

(\*) Statistique quinquennale. — (1) Excluding farmers who are employed as seasonal workers at certain periods of the year, numbering approximately 239,700 share-tenants and *ghazalis* (1,900 Europeans and 237,800 natives) and 445,414 smallholders of less than 25 acres (8,877 Europeans and 434,537 natives). In addition the native cultivators fairly generally practice amongst themselves or through the medium of their *ghazalis* a form of cooperation known as *taize* during the principal season of work, particularly at sowing and harvest as they also practice only on large areas of which the maintenance does not require much work and as their methods of cultivation are frequently rudimentary, they employ relatively little hired labour.

27. — NUMBER AND SIZE OF AGRICULTURAL COOPERATIVES IN 1930 (\*) (1).

| CLASSIFICATION  | COOPERATIVES  |                     | MEMBERS       |                     |                                | STORAGE CAPACITY |                                  |                             |
|---|---------------|---------------------|---------------|---------------------|--------------------------------|------------------|----------------------------------|-----------------------------|
|   | Absolute data | Percentage of total | Absolute data | Percentage of total | Average number per cooperative | Total capacity   | Average capacity per cooperative | Average capacity per member |
|   | number        | %                   | number        | %                   | number                         | imp.gallons      | imp.gallons                      | imp.gallons                 |
| COOPERATIVE CELLARS   | 127           | 45.2                | 2,783         | 16.6                | 22                             | 35,691,509       | 281,096                          | 12,825                      |
| WAREHOUSES FOR GRAIN  | 21            | 7.5                 | 1,657         | 9.9                 | 79                             | 217,800          | 10,380                           | 131,800                     |
| WAREHOUSES FOR TOBACCO  | 3             | 1.1                 | 9,125         | 54.6                | 3,042                          | 44,000           | 15,000                           | 5,000                       |
| SOCIETIES FOR AGRICULTURAL EQUIPMENT:                                 |               |                     |               |                     |                                |                  |                                  |                             |
| Motorcultur   | 9             | 3.2                 | 100           | 0.6                 | 11                             | —                | —                                | —                           |
| Electric ploughing  | 2             | 0.7                 | 103           | 0.6                 | 51                             | —                | —                                | —                           |
| Deep ploughing (digging)  | 3             | 1.1                 | 79            | 0.4                 | 23                             | —                | —                                | —                           |
| Threshing   | 64            | 22.9                | 802           | 4.8                 | 13                             | —                | —                                | —                           |
| Trussing  | 6             | 2.2                 | 62            | 0.4                 | 10                             | —                | —                                | —                           |
| Threshing and trussing  | 2             | 0.7                 | 18            | 0.1                 | 9                              | —                | —                                | —                           |
| Threshing and trussing  | 4             | 1.4                 | 132           | 0.8                 | 33                             | —                | —                                | —                           |
| Air compression   | 7             | 2.5                 | 175           | 1.1                 | 25                             | —                | —                                | —                           |
| Repair shop   | 1             | 0.4                 | 171           | 1.0                 | 171                            | —                | —                                | —                           |
| Agricultural equipment  | 3             | 1.1                 | 36            | 0.2                 | 12                             | —                | —                                | —                           |
| Total   | 191           | 36.2                | 1,669         | 10.0                | 17                             | —                | —                                | —                           |
| VARIOUS SOCIETIES   |               |                     |               |                     |                                |                  |                                  |                             |
| Viticultural societies (2)  | 4             | 1.4                 | 344           | 2.0                 | 86                             | —                | —                                | —                           |
| Cooperative oil refineries  | 5             | 1.8                 | 211           | 1.3                 | 42                             | —                | —                                | —                           |
| Cooperative for the treatment of by-products of vines and olive-trees | 1             | 0.4                 | 198           | 1.2                 | 199                            | —                | —                                | —                           |
| Cooperative for tomatoes  | 1             | 0.4                 | 75            | 0.4                 | 75                             | —                | —                                | —                           |
| Cooperatives for cotton   | 6             | 1.4                 | 360           | 2.1                 | 90                             | —                | —                                | —                           |
| Cooperative distillery  | 1             | 0.4                 | 18            | 0.1                 | 18                             | —                | —                                | —                           |
| Poultry cooperative   | 1             | 0.4                 | 7             | 0.1                 | 7                              | —                | —                                | —                           |
| Cooperative for seed selection  | 1             | 0.4                 | 7             | 0.1                 | 7                              | —                | —                                | —                           |
| Sheep raising cooperatives  | 6             | 2.2                 | 86            | 0.5                 | 14                             | —                | —                                | —                           |
| Cooperative for calcination   | 1             | 0.4                 | 18            | 0.1                 | 18                             | —                | —                                | —                           |
| Labour cooperative  | 1             | 0.4                 | (3)           | (3)                 | —                              | —                | —                                | —                           |
| Cooperative mill  | 1             | 0.4                 | 165           | 1.0                 | 165                            | —                | —                                | —                           |
| Total   | 27            | 10.0                | 1,490         | 8.9                 | 55                             | —                | —                                | —                           |
| Total agricultural cooperatives                                       | 279           | 100.0               | 16,724        | 100.0               | 65                             | —                | —                                | —                           |

(\*) Average statistics. — (1) The cooperatives mentioned are only those obtaining advances or subsidies from the Government; amongst those formed without Government assistance six are important, of which four are viticultural, one for citrus and one for grapes. Some of the cooperatives mentioned in this table were still in process of formation in 1930 (see Table 30). — (2) One of these cooperatives, with 134 members, was syndical. — (3) In formation; the number of members not known.

## 28. — AGRICULTURAL COOPERATIVES IN 1930, ACCORDING TO NUMBER OF MEMBERS (\*).

| CLASSIFICATION                               | NUMBER OF COOPERATIVES |                         | NUMBER OF MEMBERS |                         |                                | CAPACITY       |                         |                  |              |
|--|------------------------|-------------------------|-------------------|-------------------------|--------------------------------|----------------|-------------------------|------------------|--------------|
|  | Absolute data          | Percentage of sub-total | Total number      |                         | Average member per cooperative | Total capacity |                         | Average capacity |              |
|  |                        |                         | Absolute data     | Percentage of sub-total |                                | Absolute data  | Percentage of sub-total | Per cooperative  | Per member   |
|  | number                 | %                       | number            | %                       | number                         | Imp. gallons   | %                       | Imp. gallons     | Imp. gallons |
| <b>COOPERATIVE CELLARS:</b>                  |                        |                         |                   |                         |                                |                |                         |                  |              |
| less than 20 members . . . . .               | 70                     | 55.1                    | 910               | 32.7                    | 13.0                           | 13,587,029     | 38.1                    | 194,100          | 14,931       |
| 20 to 49 members . . . . .                   | 51                     | 40.2                    | 1,479             | 53.1                    | 29.0                           | 17,607,829     | 49.3                    | 345,232          | 11,905       |
| 50 to 99 members . . . . .                   | 6                      | 4.7                     | 394               | 14.2                    | 65.7                           | 4,496,651      | 12.6                    | 749,442          | 11,413       |
| Total . . . . .                              | 127                    | 100.0                   | 2,783             | 100.0                   | 71.9                           | 35,691,509     | 100.0                   | 281,636          | 12,825       |
| <b>GRAIN WAREHOUSES:</b>                     |                        |                         |                   |                         |                                |                |                         |                  |              |
|  |                        |                         |                   |                         |                                | 1000 lb.       |                         | 1000 lb.         | lb.          |
| less than 20 members . . . . .               | 2                      | 9.5                     | 27                | 1.6                     | 13.5                           | 4,000          | 1.8                     | 2,000            | 148,148      |
| 20 to 49 members . . . . .                   | 8                      | 36.1                    | 253               | 15.3                    | 51.6                           | 37,080         | 17.1                    | 4,625            | 146,247      |
| 50 to 99 members . . . . .                   | 6                      | 28.6                    | 395               | 23.8                    | 45.8                           | 67,000         | 30.7                    | 11,166           | 169,620      |
| 100 members or more . . . . .                | 5                      | 23.8                    | 862               | 59.3                    | 196.4                          | 109,500        | 50.4                    | 21,800           | 110,998      |
| Total . . . . .                              | 21                     | 100.0                   | 1,657             | 100.0                   | 78.9                           | 217,000        | 100.0                   | 10,300           | 130,800      |
| <b>TOBACCO WAREHOUSES:</b>                   |                        |                         |                   |                         |                                |                |                         |                  |              |
| 500 to 999 members . . . . .                 | 1                      | 33.3                    | 503               | 5.5                     | 503.0                          | 16,000         | 20.0                    | 10,000           | 10,881       |
| 1,000 members or more . . . . .              | 2                      | 66.7                    | 8,622             | 94.5                    | 4,311.0                        | 30,000         | 80.0                    | 15,000           | 3,479        |
| Total . . . . .                              | 3                      | 100.0                   | 9,125             | 100.0                   | 3,041.7                        | 44,000         | 100.0                   | 25,000           | 5,000        |
| <b>SOCIETIES FOR AGRICULTURAL EQUIPMENT:</b> |                        |                         |                   |                         |                                |                |                         |                  |              |
| less than 20 members . . . . .               | 80                     | 79.2                    | 792               | 47.5                    | 9.9                            | —              | —                       | —                | —            |
| 20 to 49 members . . . . .                   | 16                     | 15.8                    | 456               | 27.3                    | 28.5                           | —              | —                       | —                | —            |
| 50 to 99 members . . . . .                   | 4                      | 4.0                     | 250               | 15.0                    | 62.5                           | —              | —                       | —                | —            |
| 100 members or more . . . . .                | 1                      | 1.0                     | 171               | 10.2                    | 171.0                          | —              | —                       | —                | —            |
| Total . . . . .                              | 101                    | 100.0                   | 1,669             | 100.0                   | 16.5                           | —              | —                       | —                | —            |
| <b>VARIOUS SOCIETIES:</b>                    |                        |                         |                   |                         |                                |                |                         |                  |              |
| less than 20 members . . . . .               | 11                     | 49.3                    | 141               | 9.5                     | 12.8                           | —              | —                       | —                | —            |
| 20 to 49 members . . . . .                   | 3                      | 11.5                    | 92                | 6.2                     | 30.7                           | —              | —                       | —                | —            |
| 50 to 99 members . . . . .                   | 6                      | 23.1                    | 403               | 27.0                    | 67.2                           | —              | —                       | —                | —            |
| 100 members or more . . . . .                | 6                      | 23.1                    | 854               | 57.3                    | 142.3                          | —              | —                       | —                | —            |
| Total . . . . . (1)                          | 26                     | 100.0                   | 1,490             | 100.0                   | 57.3                           | —              | —                       | —                | —            |
| <b>TOTAL COOPERATIVES:</b>                   |                        |                         |                   |                         |                                |                |                         |                  |              |
| less than 20 members . . . . .               | 163                    | 58.6                    | 1,870             | 11.2                    | 11.3                           | —              | —                       | —                | —            |
| 20 to 49 members . . . . .                   | 78                     | 28.1                    | 2,280             | 13.6                    | 29.2                           | —              | —                       | —                | —            |
| 50 to 99 members . . . . .                   | 22                     | 7.9                     | 1,442             | 8.6                     | 65.5                           | —              | —                       | —                | —            |
| 100 to 199 members . . . . .                 | 12                     | 4.3                     | 2,007             | 12.0                    | 167.2                          | —              | —                       | —                | —            |
| 200 to 499 members . . . . .                 | —                      | —                       | —                 | —                       | —                              | —              | —                       | —                | —            |
| 500 to 999 members . . . . .                 | 1                      | 0.4                     | 503               | 3.0                     | 503.0                          | —              | —                       | —                | —            |
| 1,000 members or more . . . . .              | 2                      | 0.7                     | 8,622             | 51.6                    | 4,311.0                        | —              | —                       | —                | —            |
| Grand total . . . . . (1)                    | 278                    | 100.0                   | 16,724            | 100.0                   | 60.2                           | —              | —                       | —                | —            |

(\*). Annuaire statistique. — (1) One of the cooperatives, in process of formation and of which the number of members was not known, is excluded here.

## 29. — COOPERATIVE CELLARS AND GRAIN WAREHOUSES IN 1930 ACCORDING TO STORAGE CAPACITY (\*).

| CLASSIFICATION                          | NUMBER OF COOPERATIVES | NUMBER OF MEMBERS |                     |                                | STORAGE CAPACITY |                     |                  |              |  |
|---|------------------------|-------------------|---------------------|--------------------------------|------------------|---------------------|------------------|--------------|--|
|   |                        | Absolute data     | Percentage of total | Average number per cooperative | Total capacity   |                     | Average capacity |              |  |
|   |                        |                   |                     |                                | Absolute data    | Percentage of total | Per cooperative  | Per member   |  |
|   | number                 | number            | %                   | number                         | Imp. gallons     | %                   | Imp. gallons     | Imp. gallons |  |
| <b>COOPERATIVE CELLARS:</b>             |                        |                   |                     |                                |                  |                     |                  |              |  |
| Less than 10,000 hectolitres . . . . .  | 62                     | 947               | 34.0                | 35.3                           | 8,718,421        | 24.4                | 140,620          | 9,206        |  |
| 10,000 to 19,000 hectolitres . . . . .  | 45                     | 1,864             | 36.2                | 23.6                           | 13,108,692       | 36.7                | 291,304          | 12,320       |  |
| 20,000 to 49,000 hectolitres . . . . .  | 17                     | 605               | 21.8                | 35.6                           | 10,201,804       | 28.6                | 600,106          | 16,862       |  |
| 50,000 to 100,000 hectolitres . . . . . | 3                      | 167               | 6.0                 | 55.7                           | 3,662,592        | 10.3                | 1,220,964        | 21,932       |  |
| Total . . . . .                         | 127                    | 2,783             | 100.0               | 21.9                           | 35,691,509       | 100.0               | 281,636          | 12,825       |  |
| <b>GRAIN WAREHOUSES:</b>                |                        |                   |                     |                                |                  |                     |                  |              |  |
|   |                        |                   |                     |                                | 1000 lb.         |                     | 1000 lb.         | lb.          |  |
| Less than 10,000 quintals . . . . .     | 1                      | 11                | 0.7                 | 11.0                           | 1,000            | 0.6                 | 1,000            | 90,909       |  |
| 10,000 to 19,000 quintals . . . . .     | 4                      | 111               | 6.7                 | 27.7                           | 13,000           | 5.9                 | 3,250            | 117,117      |  |
| 20,000 to 49,000 quintals . . . . .     | 9                      | 445               | 26.8                | 49.4                           | 58,000           | 26.9                | 6,444            | 130,337      |  |
| 50,000 to 99,000 quintals . . . . .     | 4                      | 596               | 36.1                | 149.5                          | 54,000           | 24.9                | 15,500           | 90,301       |  |
| 100,000 to 200,000 quintals . . . . .   | 3                      | 492               | 29.7                | 164.0                          | 91,000           | 41.7                | 3,033            | 194,959      |  |
| Total . . . . .                         | 21                     | 1,657             | 100.0               | 78.9                           | 217,000          | 100.0               | 10,300           | 130,800      |  |

(\*). Annuaire statistique.

## 30. — AGRICULTURAL COOPERATIVES IN 1930 ACCORDING TO DATE OF ESTABLISHMENT (\*).

| CLASSIFICATION                               | NUMBER OF COOPERATIVES |                     | NUMBER OF MEMBERS |                     |                         | STORAGE CAPACITY |                     |                  |              |
|--|------------------------|---------------------|-------------------|---------------------|-------------------------|------------------|---------------------|------------------|--------------|
|  | Absolute data          | Percentage of total | Absolute data     | Percentage of total | Average per cooperative | Total capacity   |                     | Average capacity |              |
|  |                        |                     |                   |                     |                         | Absolute data    | Percentage of total | Per cooperative  | Per member   |
|  | number                 | %                   | number            | %                   | number                  | Imp. gallons     | %                   | Imp. gallons     | Imp. gallons |
| <b>COOPERATIVE CELLARS:</b>                  |                        |                     |                   |                     |                         |                  |                     |                  |              |
| Established 1905 to 1918 . . . .             | 18                     | 14.2                | 557               | 20.0                | 30.9                    | 8,836,257        | 24.7                | 490,570          | 15,853       |
| Established 1919 to 1926 . . . .             | 52                     | 40.9                | 1,157             | 41.6                | 22.2                    | 15,393,138       | 43.1                | 296,022          | 13,304       |
| Established 1927 to 1930 . . . . (1)         | 57                     | 44.9                | 1,069             | 38.4                | 18.8                    | 11,468,114       | 32.2                | 201,195          | 10,728       |
| Total . . . .                                | 127                    | 100.0               | 2,783             | 100.0               | 21.9                    | 35,697,509       | 100.0               | 987,787          | 49,885       |
| <b>GRAIN WAREHOUSES:</b>                     |                        |                     |                   |                     |                         |                  |                     |                  |              |
| Established 1905 to 1918 . . . .             | —                      | —                   | —                 | —                   | —                       | —                | —                   | —                | —            |
| Established 1919 to 1926 . . . .             | 12                     | 57.1                | 770               | 46.5                | 64.2                    | 135,000          | 62.5                | 11,250           | 175,325      |
| Established 1927 to 1930 . . . . (2)         | 9                      | 42.9                | 887               | 53.5                | 98.6                    | 82,000           | 37.5                | 9,111            | 92,446       |
| Total . . . .                                | 21                     | 100.0               | 1,657             | 100.0               | 78.9                    | 217,000          | 100.0               | 20,361           | 267,771      |
| <b>TOBACCO WAREHOUSES:</b>                   |                        |                     |                   |                     |                         |                  |                     |                  |              |
| Established 1905 to 1918 . . . .             | —                      | —                   | —                 | —                   | —                       | —                | —                   | —                | —            |
| Established 1919 to 1926 . . . .             | 3                      | 100.0               | 9,125             | 100.0               | 3,041.7                 | 44,000           | 100.0               | 15,000           | 5,000        |
| Established 1927 to 1930 . . . .             | —                      | —                   | —                 | —                   | —                       | —                | —                   | —                | —            |
| Total . . . .                                | 3                      | 100.0               | 9,125             | 100.0               | 3,041.7                 | 44,000           | 100.0               | 15,000           | 5,000        |
| <b>SOCIETIES FOR AGRICULTURAL EQUIPMENT:</b> |                        |                     |                   |                     |                         |                  |                     |                  |              |
| Established 1905 to 1918 . . . .             | —                      | —                   | —                 | —                   | —                       | —                | —                   | —                | —            |
| Established 1919 to 1926 . . . .             | 46                     | 45.5                | 594               | 35.0                | 12.7                    | —                | —                   | —                | —            |
| Established 1927 to 1930 . . . . (3)         | 55                     | 54.5                | 1,085             | 65.0                | 19.7                    | —                | —                   | —                | —            |
| Total . . . .                                | 101                    | 100.0               | 1,679             | 100.0               | 16.5                    | —                | —                   | —                | —            |
| <b>VARIOUS SOCIETIES:</b>                    |                        |                     |                   |                     |                         |                  |                     |                  |              |
| Established 1905 to 1918 . . . .             | 1                      | 3.7                 | 55                | 3.7                 | 55.0                    | —                | —                   | —                | —            |
| Established 1919 to 1926 . . . .             | 10                     | 37.0                | 669               | 41.9                | 66.9                    | —                | —                   | —                | —            |
| Established 1927 to 1930 . . . .             | 16                     | 59.3                | 766               | 51.4                | 47.9                    | —                | —                   | —                | —            |
| Total . . . .                                | 27                     | 100.0               | 1,490             | 100.0               | 55.2                    | —                | —                   | —                | —            |
| <b>TOTAL AGRICULTURAL COOPERATIVES:</b>      |                        |                     |                   |                     |                         |                  |                     |                  |              |
| Established 1905 to 1918 . . . .             | 19                     | 6.8                 | 612               | 3.6                 | 32.2                    | —                | —                   | —                | —            |
| Established 1919 to 1926 . . . .             | 123                    | 44.1                | 12,305            | 73.6                | 100.0                   | —                | —                   | —                | —            |
| Established 1927 to 1930 . . . .             | 137                    | 49.1                | 3,807             | 22.8                | 27.6                    | —                | —                   | —                | —            |
| Grand Total . . . .                          | 279                    | 100.0               | 16,724            | 100.0               | 59.9                    | —                | —                   | —                | —            |

(\*). *Annuaire statistique*. — (1) Including three cooperatives established in 1929 and 23 cooperatives established in 1930 comprising 417 members and having a total storage capacity of 4,667,788 Imp. gallons, still in process of formation. — (2) Including one cooperative established in 1924 and one established in 1930, having a membership of 91 and a storage capacity of 9,000,000 lb. still in process of formation. — (3) Including six cooperatives established in 1929 and four established in 1930 with a membership of 384, still in process of formation.

## B — EUROPEAN AGRICULTURE



31. — PRIVATE EUROPEAN AGRICULTURAL PROPERTIES IN 1930  
ACCORDING TO SIZE (\*).

| CLASSIFICATION             | NORTHERN TERRITORY     |                          |                        |                      |
|----------------------------|------------------------|--------------------------|------------------------|----------------------|
|                            | Number<br>of<br>owners | Total area of land owned |                        |                      |
|                            |                        | Absolute<br>data         | Percentage<br>of total | Average<br>per owner |
|                            | number                 | acres                    | %                      | acres                |
| Owners possessing:         |                        |                          |                        |                      |
| less than 10 ha. . . . .   | 8,643                  | 102,721                  | 1.8                    | 11.9                 |
| from 10 to 50 ha. . . . .  | 7,095                  | 513,550                  | 9.2                    | 75.2                 |
| from 50 to 100 ha. . . . . | 4,700                  | 895,751                  | 15.5                   | 190.6                |
| over 100 ha. . . . .       | 5,369                  | 4,218,216                | 73.5                   | 789.4                |
| <b>Total . . . . .</b>     | <b>25,807</b>          | <b>5,720,218</b>         | <b>100.0</b>           | <b>223.6</b>         |

(\*) Statistique g n rale.

31. — PRIVATE EUROPEAN AGRICULTURAL PROPERTIES IN 1930  
ACCORDING TO SIZE (\*) (continued).

| CLASSIFICATION             | SOUTHERN TERRITORY     |                          |                        |                      |
|----------------------------|------------------------|--------------------------|------------------------|----------------------|
|                            | Number<br>of<br>owners | Total area of land owned |                        |                      |
|                            |                        | Absolute<br>data         | Percentage<br>of total | Average<br>per owner |
|                            | number                 | acres                    | %                      | acres                |
| Owners possessing:         |                        |                          |                        |                      |
| less than 10 ha. . . . .   | 234                    | 2,385                    | 9.1                    | 10.2                 |
| from 10 to 50 ha. . . . .  | 45                     | 2,150                    | 8.2                    | 47.8                 |
| from 50 to 100 ha. . . . . | 25                     | 4,650                    | 17.8                   | 186.0                |
| over 100 ha. . . . .       | 42                     | 16,952                   | 64.9                   | 403.6                |
| <b>Total . . . . .</b>     | <b>346</b>             | <b>26,137</b>            | <b>100.0</b>           | <b>75.5</b>          |

(\*) Statistique g n rale.

31. — PRIVATE EUROPEAN AGRICULTURAL PROPERTIES IN 1930  
ACCORDING TO SIZE (\*) (concluded).

| CLASSIFICATION             | WHOLE COUNTRY          |                          |                        |                      |
|----------------------------|------------------------|--------------------------|------------------------|----------------------|
|                            | Number<br>of<br>owners | Total area of land owned |                        |                      |
|                            |                        | Absolute<br>data         | Percentage<br>of total | Average<br>per owner |
|                            | number                 | acres                    | %                      | acres                |
| Owners possessing:         |                        |                          |                        |                      |
| less than 10 ha. . . . .   | 8,877                  | 105,106                  | 1.8                    | 11.8                 |
| from 10 to 50 ha. . . . .  | 7,140                  | 515,700                  | 9.3                    | 75.0                 |
| from 50 to 100 ha. . . . . | 4,725                  | 900,501                  | 15.5                   | 190.5                |
| over 100 ha. . . . .       | 5,411                  | 4,255,168                | 73.4                   | 786.4                |
| <b>Total . . . . .</b>     | <b>26,153</b>          | <b>5,796,355</b>         | <b>100.0</b>           | <b>221.6</b>         |

(\*) Statistique g n rale.

## 32. — EUROPEAN-OWNED ARABLE LAND ACCORDING TO CROPS IN 1929-30 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY |              |             | SOUTHERN TERRITORIES |              |             | WHOLE COUNTRY    |              |             |
|---|--------------------|--------------|-------------|----------------------|--------------|-------------|------------------|--------------|-------------|
|   | Area sown          | Percentage   |             | Area sown            | Percentage   |             | Area sown        | Percentage   |             |
|   |                    | of group     | of total    |                      | of group     | of total    |                  | of group     | of total    |
|   | acres              | %            | %           | acres                | %            | %           | acres            | %            | %           |
| <b>CEREALS CUT FOR GRAIN:</b>   |                    |              |             |                      |              |             |                  |              |             |
| <i>Winter cereals:</i>  |                    |              |             |                      |              |             |                  |              |             |
| Hard wheat . . . . .  | 656,282            | 32.0         | 28.5        | 872                  | 28.4         | 25.2        | 657,154          | 32.0         | 28.6        |
| Soft wheat . . . . .  | 514,973            | 25.1         | 22.4        | 15                   | 0.5          | 0.5         | 514,988          | 25.1         | 22.4        |
| Barley . . . . .  | 444,905            | 21.7         | 19.4        | 2,160                | 70.5         | 62.4        | 447,065          | 21.8         | 19.5        |
| Oats . . . . .  | 421,679            | 20.6         | 18.4        | 2                    | 0.1          | 0.1         | 421,881          | 20.5         | 18.3        |
| Rye . . . . .   | 2,602              | 0.1          | 0.1         | —                    | —            | —           | 2,602            | 0.1          | 0.1         |
| <b>Total . . . . .</b>  | <b>2,040,641</b>   | <b>99.5</b>  | <b>82.8</b> | <b>3,049</b>         | <b>99.5</b>  | <b>82.2</b> | <b>2,043,690</b> | <b>99.5</b>  | <b>82.9</b> |
| <i>Summer cereals:</i>  |                    |              |             |                      |              |             |                  |              |             |
| Maize . . . . .   | 6,875              | 0.3          | 0.3         | 2                    | 0.1          | 0.1         | 6,877            | 0.3          | 0.3         |
| Spiked millet (Boussa or deth) . . . . .                                  | 3,657              | 0.2          | 0.2         | 12                   | 0.4          | 0.3         | 3,679            | 0.2          | 0.2         |
| Great millet . . . . .  | 232                | 0.01         | 0.01        | —                    | —            | —           | 232              | 0.01         | 0.01        |
| <b>Total . . . . .</b>  | <b>10,774</b>      | <b>0.5</b>   | <b>0.5</b>  | <b>14</b>            | <b>0.5</b>   | <b>0.4</b>  | <b>10,788</b>    | <b>0.5</b>   | <b>0.5</b>  |
| <b>Total of cereals . . . . .</b>   | <b>2,051,415</b>   | <b>100.0</b> | <b>83.3</b> | <b>3,063</b>         | <b>100.0</b> | <b>82.6</b> | <b>2,054,478</b> | <b>100.0</b> | <b>83.4</b> |
| <b>LEGUMINOUS CROPS FOR GRAIN (1):</b>                                    |                    |              |             |                      |              |             |                  |              |             |
| Broad beans and horse beans . . . . .                                     | 19,359             | 20.3         | 0.8         | 10                   | 50.0         | 0.3         | 19,369           | 20.3         | 0.8         |
| Dried peas . . . . .  | 25,316             | 26.5         | 1.1         | 2                    | 12.5         | 0.1         | 25,318           | 26.5         | 1.1         |
| Chickpeas . . . . .   | 39,258             | 41.1         | 1.7         | —                    | —            | —           | 39,258           | 41.1         | 1.7         |
| Lentils . . . . .   | 5,730              | 6.0          | 0.3         | 5                    | 25.0         | 0.1         | 5,735            | 6.0          | 0.3         |
| Vetchling . . . . .   | 4,534              | 4.8          | 0.2         | —                    | —            | —           | 4,534            | 4.8          | 0.2         |
| Dried kidney beans . . . . .  | 1,275              | 1.3          | 0.1         | 2                    | 12.5         | 0.1         | 1,277            | 1.3          | 0.1         |
| <b>Total . . . . .</b>  | <b>95,472</b>      | <b>100.0</b> | <b>4.2</b>  | <b>19</b>            | <b>100.0</b> | <b>0.6</b>  | <b>95,491</b>    | <b>100.0</b> | <b>4.2</b>  |
| <b>LEGUMINOUS AND GRAMINACEOUS FODDER CROPS:</b>                          |                    |              |             |                      |              |             |                  |              |             |
| Vetches and oats . . . . .  | 32,252             | 58.4         | 1.6         | —                    | —            | —           | 32,252           | 58.8         | 1.6         |
| Alfalfa . . . . .   | 6,640              | 10.5         | 0.3         | 47                   | 82.6         | 1.4         | 6,687            | 10.6         | 0.3         |
| Green barley . . . . .  | 16,977             | 25.4         | 0.7         | 10                   | 17.4         | 0.3         | 16,987           | 25.3         | 0.7         |
| Egyptian clover (Berme) . . . . .   | 2,249              | 3.5          | 0.1         | —                    | —            | —           | 2,249            | 3.6          | 0.1         |
| Sulla, rapier grass, etc. . . . .   | 1,056              | 1.7          | 0.05        | —                    | —            | —           | 1,056            | 1.7          | 0.0         |
| <b>Total . . . . .</b>  | <b>63,276</b>      | <b>100.0</b> | <b>2.7</b>  | <b>57</b>            | <b>100.0</b> | <b>1.7</b>  | <b>63,333</b>    | <b>100.0</b> | <b>2.7</b>  |
| <b>TUBER AND ROOT CROPS:</b>  |                    |              |             |                      |              |             |                  |              |             |
| Winter potatoes (2) . . . . .   | 25,435             | —            | —           | —                    | —            | —           | 25,440           | —            | —           |
| Spring and summer potatoes (3) . . . . .                                  | 16,388             | 95.4         | 0.7         | 20                   | 100.0        | 0.6         | 16,408           | 95.4         | 0.63        |
| Mangels . . . . .   | 796                | 4.6          | 0.03        | —                    | —            | —           | 796              | 4.6          | 0.03        |
| Sugar-beet for sugar or alcohol . . . . .                                 | 2                  | 0.01         | 0.00        | —                    | —            | —           | 2                | 0.01         | 0.00        |
| <b>Total . . . . .</b>  | <b>42,621</b>      | <b>100.0</b> | <b>0.7</b>  | <b>20</b>            | <b>100.0</b> | <b>0.6</b>  | <b>42,648</b>    | <b>100.0</b> | <b>0.7</b>  |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                                     |                    |              |             |                      |              |             |                  |              |             |
| Cotton . . . . .  | 8,622              | 28.3         | 0.4         | —                    | —            | —           | 8,622            | 28.3         | 0.4         |
| Essential-oil and aromatic plants . . . . .                               | 6,099              | 20.0         | 0.3         | —                    | —            | —           | 6,099            | 20.0         | 0.3         |
| Rose geranium . . . . .   | —                  | —            | —           | —                    | —            | —           | —                | —            | —           |
| Bitter orange, lavender, black-currant, verbain, citrusella, etc. . . . . | 158                | 0.5          | 0.01        | 2                    | 100.0        | 0.1         | 160              | 0.5          | 0.01        |
| <b>Total . . . . .</b>  | <b>14,879</b>      | <b>20.5</b>  | <b>0.3</b>  | <b>2</b>             | <b>100.0</b> | <b>0.1</b>  | <b>14,881</b>    | <b>20.5</b>  | <b>0.3</b>  |

(\*) *Annuaire and Recensements statistiques.* — (1) Each crop on cultivated fallow (see Table 35) are not included here. — (2) Early crops (planted October to February), chiefly for export. These crops are for the most part intercalary or in market gardens, and followed in such cases by such crops as some cases they are even grown among vines. Except for the latter, their area is included here among the crops indicated in Note 3, page 153. — (3) Seasonal crops (planted in spring and harvested during summer or autumn), chiefly for local consumption.

## 32. — EUROPEAN-OWNED ARABLE LAND ACCORDING TO CROPS IN 1929-30 (\*) (concluded).

| CLASSIFICATION                               | NORTHERN TERRITORY |              |              | SOUTHERN TERRITORIES |              |              | WHOLE COUNTRY     |              |              |
|--|--------------------|--------------|--------------|----------------------|--------------|--------------|-------------------|--------------|--------------|
|  | Area sown          | Percentage   |              | Area sown            | Percentage   |              | Area sown         | Percentage   |              |
|  |                    | of group     | of total     |                      | of group     | of total     |                   | of group     | of total     |
|  | acres              | %            | %            | acres                | %            | %            | acres             | %            | %            |
| Tobacco . . . . .                            | (1) 15,605         | 51.2         | 0.6          | —                    | —            | —            | (1) 15,605        | 51.2         | 0.6          |
| <b>Total . . . . .</b>                       | <b>39,484</b>      | <b>100.0</b> | <b>1.3</b>   | <b>2</b>             | <b>100.0</b> | <b>0.1</b>   | <b>39,486</b>     | <b>100.0</b> | <b>1.3</b>   |
| <b>Total sown cultivated arable land (2)</b> | <b>32,300,000</b>  | <b>—</b>     | <b>100.0</b> | <b>(3) 3,500</b>     | <b>—</b>     | <b>100.0</b> | <b>32,300,000</b> | <b>100.0</b> | <b>100.0</b> |

(\*) *Annuaire and Recensements statistiques.* — (1) No information is available of the relative proportions of this area cultivated to tobacco for smoking and tobacco for snuff. — (2) No information is available of fallow land (cultivated land without trees but not sown or planted) in regard to European or native agriculture. — (3) Approximate rounded figure including a certain area of various crops, part of the early potato crops, garden crops, etc. (50 to 62,000 acres).

## 33. — TRUCK CROPS GROWN BY EUROPEANS IN 1930 (\*).

| CLASSIFICATION                     | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|------------------------------------|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|                                    | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|                                    | acres              | %                   | acres                | %                   | acres         | %                   |
| Tomatoes . . . . .                 | 5,139              | 17.6                | 67                   | 18.0                | 5,306         | 17.6                |
| Artichokes . . . . .               | 5,649              | 19.0                | 5                    | 1.3                 | 5,654         | 18.8                |
| Green kidney beans . . . . .       | 2,021              | 6.8                 | 5                    | 1.3                 | 2,026         | 6.7                 |
| Green peas . . . . .               | 8,073              | 27.1                | 2                    | 0.7                 | 8,075         | 26.8                |
| Carex . . . . .                    | 993                | 3.3                 | 94                   | 25.4                | 1,087         | 3.6                 |
| Various green vegetables . . . . . | 7,804              | 26.2                | 198                  | 53.3                | 8,002         | 26.5                |
| <b>Total . . . . .</b>             | <b>29,779</b>      | <b>100.0</b>        | <b>371</b>           | <b>100.0</b>        | <b>30,150</b> | <b>100.0</b>        |

(\*) *Statistique quinquennale.* — The total area under these crops is included in table 32 with various unspecified crops and under cultivated fallow land without trees.

## 34. — NATURAL FODDER AREA CUT BY EUROPEANS IN 1929-30 (\*).

|                                |              |                |
|--------------------------------|--------------|----------------|
| Northern Territory . . . . .   | acres        | 136,214        |
| Southern Territories . . . . . | "            | —              |
| <b>Whole country . . . . .</b> | <b>acres</b> | <b>136,214</b> |

(\*) *Annuaire statistiques.* — Natural fodder cut for lay on unsown arable land (fallow).

## 35. — WINTER CEREALS ON EUROPEAN HOLDINGS: PREPARATORY WORK IN 1930 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|---|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|   | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|   | acres              | %                   | acres                | %                   | acres         | %                   |
| <b>LAND ON WHICH PREPARATORY WORK DONE:</b>             |                    |                     |                      |                     |               |                     |
| <i>Sowing work:</i>                                     |                    |                     |                      |                     |               |                     |
| Unproductive up to sowing . . . . .                     | 838,913            | 45.0                | 42                   | 1.9                 | 838,955       | 43.0                |
| Productive of palmas as catch crops . . . . .           | 59,746             | 3.1                 | 7                    | 0.4                 | 59,755        | 3.0                 |
| <i>Total</i> . . . . .                                  | 898,661            | 48.1                | 49                   | 2.3                 | 898,710       | 46.0                |
| <i>Summer work</i> . . . . .                            |                    |                     |                      |                     |               |                     |
| <i>Total preparatory work</i> . . . . .                 | 1,070,609          | 56.9                | 76                   | 3.5                 | 1,070,685     | 54.8                |
| <b>LAND ON WHICH NO PREPARATORY WORK DONE . . . . .</b> |                    |                     |                      |                     |               |                     |
| Total land sown to winter cereals (1) . . . . .         | 1,950,534          | 100.0               | 2,167                | 100.0               | 1,952,701     | 100.0               |

(\*). *Renseignements statistiques*. — Land intended for winter cereals worked in the spring or summer preceding the autumn sowing of the 1930-31 season. — (1) Area calculated on the basis of the first estimate of sowing of the 1930-31 season.

## 36. — SPECIAL CROPS: NUMBER OF EUROPEAN GROWERS AND AREA IN 1929-30 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY |               |                    | SOUTHERN TERRITORIES |               |                    | WHOLE COUNTRY     |               |                    |
|--|--------------------|---------------|--------------------|----------------------|---------------|--------------------|-------------------|---------------|--------------------|
|  | Number of growers  | Area          |                    | Number of growers    | Area          |                    | Number of growers | Area          |                    |
|  |                    | Absolute data | Average per grower |                      | Absolute data | Average per grower |                   | Absolute data | Average per grower |
|  | number             | acres         | acres              | number               | acres         | acres              | number            | acres         | acres              |
| <b>TOBACCO GROWERS (1)</b> . . . . .                             | 1,030              | 15,605        | 15.2               | —                    | —             | —                  | 1,030             | 15,605        | 15.2               |
| <b>COTTON GROWERS</b> . . . . .                                  | 289                | 8,622         | 29.8               | —                    | —             | —                  | 289               | 8,622         | 29.8               |
| <b>BEET GROWERS:</b>   |                    |               |                    |                      |               |                    |                   |               |                    |
| Mangels . . . . .  | 208                | 796           | 3.8                | —                    | —             | —                  | 208               | 796           | 3.8                |
| Sugar-beet . . . . .   | 1                  | 2             | 2.0                | —                    | —             | —                  | 1                 | 2             | 2.0                |
| <i>Total</i> . . . . .   | 209                | 798           | 3.0                | —                    | —             | —                  | 209               | 798           | 3.0                |
| <b>GROWERS OF ESSENTIAL OIL OR AROMATIC PLANTS:</b>              |                    |               |                    |                      |               |                    |                   |               |                    |
| Roos geranium . . . . .  | 135                | 6,099         | 45.2               | —                    | —             | —                  | 135               | 6,099         | 45.2               |
| Various plants: bitter orange, citronella, verbena, etc. . . . . | 18                 | 150           | 8.8                | 1                    | 2             | 2.0                | 19                | 160           | 8.4                |
| <i>Total</i> . . . . .   | 153                | 6,257         | 49.9               | 1                    | 2             | 2.0                | 154               | 6,259         | 49.6               |

(\*). *Annuaire et Renseignements statistiques*. — (1) No distinction is made between tobacco for smoking and for snuff in the case of European or native agriculture.

## 37. — PRODUCTION OF EUROPEAN-OWNED ARABLE LAND IN 1930 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY |               |              | SOUTHERN TERRITORIES |               |              | WHOLE COUNTRY |               |              |
|---|--------------------|---------------|--------------|----------------------|---------------|--------------|---------------|---------------|--------------|
|   | Area               | Production    |              | Area                 | Production    |              | Area          | Production    |              |
|   |                    | Absolute data | Yield        |                      | Absolute data | Yield        |               | Absolute data | Yield        |
|   | acres              | 1000 lb.      | lb. per acre | acres                | 1000 lb.      | lb. per acre | acres         | 1000 lb.      | lb. per acre |
| <b>CEREALS CUT FOR GRAIN:</b>   |                    |               |              |                      |               |              |               |               |              |
| Hard wheat . . . . .  | 656,282            | 499,714       | 766          | 672                  | 267           | 329          | 657,154       | 490,001       | 746          |
| Soft wheat . . . . .  | 514,973            | 460,299       | 894          | 15                   | 12            | 800          | 514,988       | 460,281       | 894          |
| Barley . . . . .  | 444,005            | 394,482       | 887          | 2,160                | 324           | 381          | 447,065       | 395,306       | 884          |
| Oats . . . . .  | 421,879            | 422,255       | 1,002        | 2                    | 1             | 500          | 421,881       | 422,256       | 1,002        |
| Rye . . . . .   | 2,602              | 2,017         | 775          | —                    | —             | —            | 2,602         | 2,017         | 775          |
| Maize . . . . .   | 6,875              | 5,309         | 801          | 2                    | 1             | 500          | 6,877         | 5,310         | 801          |
| Spelt millet (Bambou or dail) . . . . .                                   | 3,667              | 2,112         | 576          | 12                   | 2             | 167          | 3,679         | 2,114         | 575          |
| Great millet . . . . .  | 232                | 203           | 875          | —                    | —             | —            | 232           | 203           | 875          |
| <b>LEGUMINOUS CROPS FOR GRAIN (1):</b>                                    |                    |               |              |                      |               |              |               |               |              |
| Broad beans and horse beans . . . . .                                     | 19,359             | 15,750        | 813          | 10                   | 3             | 500          | 19,369        | 15,755        | 812          |
| Dried peas . . . . .  | 25,316             | 17,266        | 682          | 2                    | 0             | 0            | 25,318        | 17,266        | 682          |
| Chickpeas . . . . .   | 39,258             | 19,141        | 488          | —                    | —             | —            | 39,258        | 19,141        | 488          |
| Lentils . . . . .   | 5,750              | 4,801         | 836          | 5                    | 0             | 0            | 5,755         | 4,801         | 836          |
| Vetching . . . . .  | 4,534              | 2,179         | 481          | —                    | —             | —            | 4,534         | 2,179         | 481          |
| Dried kidney beans . . . . .  | 1,275              | 705           | 553          | 2                    | 0             | 0            | 1,277         | 705           | 552          |
| <b>LEGUMINOUS AND GRAMINACEOUS FODDER CROPS (2):</b>                      |                    |               |              |                      |               |              |               |               |              |
| Vetches and oats: dry fodder . . . . .                                    | 37,252             | 71,619        | 1,923        | —                    | —             | —            | 37,252        | 71,619        | 1,923        |
| Alfalfa: dry fodder . . . . .   | 6,680              | 25,354        | 3,848        | 47                   | 20            | 426          | 6,687         | 25,374        | 3,824        |
| Natural fodder: dried hay (3) . . . . .                                   | 136,214            | 213,745       | 1,569        | —                    | —             | —            | 136,214       | 213,745       | 1,569        |
| <b>TUBER AND ROOT CROPS:</b>  |                    |               |              |                      |               |              |               |               |              |
| Winter potatoes (4) . . . . .   | 25,435             | 88,871        | 3,494        | 5                    | 2             | 480          | 25,440        | 88,873        | 3,495        |
| Spring and summer potatoes . . . . .                                      | 16,368             | 69,828        | 4,261        | 20                   | 53            | 2,650        | 16,408        | 69,881        | 4,259        |
| Sugar-beet for sugar or alcohol . . . . .                                 | 2                  | 18            | 9,000        | —                    | —             | —            | 2             | 18            | 9,000        |
| Mangels . . . . .   | 796                | 8,672         | 10,894       | —                    | —             | —            | 796           | 8,672         | 10,894       |
| <b>TRUCK CROPS:</b>   |                    |               |              |                      |               |              |               |               |              |
| Turnips . . . . .   | 5,299              | 47,235        | 9,016        | 47                   | 178           | 2,657        | 5,306         | 47,411        | 8,935        |
| Artichokes . . . . .  | 5,649              | 28,606        | 5,054        | 5                    | 1             | 200          | 5,654         | 28,607        | 5,060        |
| Green kidney beans . . . . .  | 2,021              | 4,861         | 2,405        | 5                    | 14            | 2,800        | 2,026         | 4,875         | 2,406        |
| Fresh green peas . . . . .  | 8,073              | 12,754        | 1,580        | 2                    | 2             | 1,000        | 8,075         | 12,756        | 1,580        |
| Carcas . . . . .  | 995                | 7,199         | 7,250        | 94                   | 196           | 2,106        | 1,087         | 7,397         | 6,805        |
| Various fresh vegetables . . . . .  | 7,804              | 44,109        | 5,652        | 198                  | 236           | 1,444        | 8,002         | 44,395        | 5,548        |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                                     |                    |               |              |                      |               |              |               |               |              |
| <b>COCOA:</b>   |                    |               |              |                      |               |              |               |               |              |
| engineered . . . . .  | —                  | 6,313         | 732          | —                    | —             | —            | —             | 6,313         | 732          |
| steamed (5) . . . . .   | 8,622              | 2,193         | 254          | —                    | —             | —            | 8,622         | 2,193         | 254          |
| Tobacco (5) . . . . .   | 15,605             | 12,277        | 787          | —                    | —             | —            | 15,605        | 12,277        | 787          |
| <b>ESSENTIAL OIL:</b>   |                    |               |              |                      |               |              |               |               |              |
| Raw geranium . . . . .  | 6,099              | 76,296        | 13           | —                    | —             | —            | 6,099         | 76,296        | 13           |
| Bitter orange, lavender, black currant, citronella, verbena, etc. . . . . | 158                | 467           | 3            | 2                    | —             | —            | 160           | 467           | 3            |

(\*). *Annuaire, Renseignements statistiques, and Statistique économique*. See Tables 32 to 35. — (1) Including palmas grown as catch crops on fallow (see Table 35). — (2) Data lacking for production of green or ensiled fodder, barley, oat green, vetches, etc. (see Table 32). — (3) Natural fodder cut on unsown arable land (see Table 34). — (4) Part of the crops grown between rows (see note 2, Table 32). — (5) No separate data given for smoking and snuff tobacco in regard to European or native agriculture.

38. — AREA OF CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS BELONGING TO EUROPEANS AND PRODUCTION IN 1930 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY      |                     |                |                     |
|---|-------------------------|---------------------|----------------|---------------------|
|   | Area or number of trees |                     | Production     |                     |
|   | Absolute data           | Percentage of total | Absolute data  | Yield               |
|   | acres                   | %                   | 1000 lb.       | lb. per acre        |
| <b>CITRUS:</b>  |                         |                     |                |                     |
| Oranges . . . . .                                     | 8,891                   | 50.8                | 79,927         | 8,990               |
| Tangerines and mandarines . . . . .                   | 7,450                   | 42.5                | 55,438         | 7,441               |
| Lemons, cedrats and others . . . . .                  | 1,169                   | 6.7                 | 5,694          | 4,871               |
| <i>Total . . . . .</i>                                | <i>17,510</i>           | <i>100.0</i>        | <i>141,059</i> | <i>—</i>            |
| <b>OLIVES:</b>  |                         |                     |                |                     |
| <i>Cultivated (planted or grafted):</i>               | <i>number</i>           |                     |                | <i>lb. per tree</i> |
| bearing . . . . .                                     | 3,027,483               | 76.0 (1)            | 142,319        | 47                  |
| not bearing . . . . .                                 | 956,816                 | 24.0                | —              | —                   |
| <i>Total . . . . .</i>                                | <i>3,984,299</i>        | <i>100.0</i>        | <i>—</i>       | <i>—</i>            |
| <i>Wild (oleasters) . . . . .</i>                     | <i>1,927,751</i>        | <i>—</i>            | <i>—</i>       | <i>—</i>            |
| <b>DATE-PALMS:</b>                                    |                         |                     |                |                     |
| <i>Deyle-var and similar (fine varieties):</i>        |                         |                     |                |                     |
| bearing . . . . .                                     | 2,175                   | 21.5                | 236            | 109                 |
| not bearing . . . . .                                 | 550                     | 5.2                 | —              | —                   |
| <i>Total . . . . .</i>                                | <i>2,725</i>            | <i>26.7</i>         | <i>—</i>       | <i>—</i>            |
| <i>Chers and similar (soft varieties):</i>            |                         |                     |                |                     |
| bearing . . . . .                                     | 2,530                   | 25.0                | 275            | 109                 |
| not bearing . . . . .                                 | 1,070                   | 10.6                | —              | —                   |
| <i>Total . . . . .</i>                                | <i>3,600</i>            | <i>35.6</i>         | <i>—</i>       | <i>—</i>            |
| <i>Deyle-heds and similar (varieties for drying):</i> |                         |                     |                |                     |
| bearing . . . . .                                     | 3,683                   | 36.4                | 387            | 105                 |
| not bearing . . . . .                                 | 126                     | 1.3                 | —              | —                   |
| <i>Total . . . . .</i>                                | <i>3,809</i>            | <i>37.7</i>         | <i>—</i>       | <i>—</i>            |
| <i>All varieties:</i>                                 |                         |                     |                |                     |
| bearing . . . . .                                     | 8,388                   | 82.9                | 898            | 107                 |
| not bearing . . . . .                                 | 1,726                   | 17.1                | —              | —                   |
| <i>Total date-palms . . . . .</i>                     | <i>10,114</i>           | <i>100.0</i>        | <i>—</i>       | <i>—</i>            |

(\*) *Annuaire statistique.* — The information on total vines given in Table 10 is not available in regard to European or native vines. — (1) Total olive production.

38. — AREA OF CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS BELONGING TO EUROPEANS AND PRODUCTION IN 1930 (\*) (continued).

| CLASSIFICATION  | SOUTHERN TERRITORIES    |                     |               |                     |
|---|-------------------------|---------------------|---------------|---------------------|
|   | Area or number of trees |                     | Production    |                     |
|   | Absolute data           | Percentage of total | Absolute data | Yield               |
|   | acres                   | %                   | 1000 lb.      | lb. per acre        |
| <b>CITRUS:</b>  |                         |                     |               |                     |
| Oranges . . . . .                                     | —                       | —                   | (1)           | 10                  |
| Tangerines and mandarines . . . . .                   | —                       | —                   | (1)           | 3                   |
| Lemons, cedrats and others . . . . .                  | —                       | —                   | (1)           | 0                   |
| <i>Total . . . . .</i>                                | <i>—</i>                | <i>—</i>            | <i>(1)</i>    | <i>13</i>           |
| <b>OLIVES:</b>  |                         |                     |               |                     |
| <i>Cultivated (planted or grafted):</i>               |                         |                     |               |                     |
|   | <i>number</i>           |                     |               | <i>lb. per tree</i> |
| bearing . . . . .                                     | 2,343                   | 27.6 (2)            | 20            | 8                   |
| not bearing . . . . .                                 | 6,189                   | 72.4                | —             | —                   |
| <i>Total . . . . .</i>                                | <i>8,532</i>            | <i>100.0</i>        | <i>—</i>      | <i>—</i>            |
| <i>Wild (oleasters) . . . . .</i>                     | <i>70</i>               | <i>—</i>            | <i>—</i>      | <i>—</i>            |
| <b>DATE-PALMS:</b>                                    |                         |                     |               |                     |
| <i>Deyle-var and similar (fine varieties):</i>        |                         |                     |               |                     |
| bearing . . . . .                                     | 42,560                  | 20.5                | 3,871         | 91                  |
| not bearing . . . . .                                 | 13,880                  | 6.7                 | —             | —                   |
| <i>Total . . . . .</i>                                | <i>56,440</i>           | <i>27.2</i>         | <i>—</i>      | <i>—</i>            |
| <i>Chers and similar (soft varieties):</i>            |                         |                     |               |                     |
| bearing . . . . .                                     | 92,210                  | 47.0                | 7,908         | 86                  |
| not bearing . . . . .                                 | 7,710                   | 3.7                 | —             | —                   |
| <i>Total . . . . .</i>                                | <i>104,920</i>          | <i>50.7</i>         | <i>—</i>      | <i>—</i>            |
| <i>Deyle-heds and similar (varieties for drying):</i> |                         |                     |               |                     |
| bearing . . . . .                                     | 38,080                  | 18.4                | 3,169         | 83                  |
| not bearing . . . . .                                 | 7,700                   | 3.7                 | —             | —                   |
| <i>Total . . . . .</i>                                | <i>45,780</i>           | <i>22.1</i>         | <i>—</i>      | <i>—</i>            |
| <i>All varieties:</i>                                 |                         |                     |               |                     |
| bearing . . . . .                                     | 177,850                 | 85.9                | 15,028        | 84                  |
| not bearing . . . . .                                 | 29,290                  | 14.1                | —             | —                   |
| <i>Total date-palms . . . . .</i>                     | <i>207,140</i>          | <i>100.0</i>        | <i>—</i>      | <i>—</i>            |

(\*) *Annuaire statistique.* — The information on total vines given in Table 10 is not available in regard to European or native vines. — (1) Production from scattered trees. Citrus in the Southern Territories only cover a small area in scattered plantations. — (2) Total olive production.

## 38. — AREAS OF CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS BELONGING TO EUROPEANS AND PRODUCTION IN 1930 (\*) (concluded).

| CLASSIFICATION  | WHOLE COUNTRY           |                     |                |                     |
|---|-------------------------|---------------------|----------------|---------------------|
|   | Area or number of trees |                     | Production     |                     |
|   | Absolute data           | Percentage of total | Absolute data  | Yield               |
|   | acres                   | %                   | 1000 lb.       | lb. per acre        |
| <b>CITRUS</b>   |                         |                     |                |                     |
| Oranges . . . . .                                     | 8,891                   | 50.8 (1)            | 79,937         | —                   |
| Tangerines and mandarinæ . . . . .                    | 7,459                   | 42.5 (1)            | 55,441         | —                   |
| Lemons, cedrats and others . . . . .                  | 1,169                   | 6.7 (1)             | 5,694          | —                   |
| <i>Total . . . . .</i>                                | <i>17,519</i>           | <i>100.0 (1)</i>    | <i>141,072</i> | <i>—</i>            |
| <b>OLIVES</b>   |                         |                     |                |                     |
| <i>Cultivated (planted or grafted)</i>                | <i>number</i>           |                     |                | <i>lb. per tree</i> |
| bearing . . . . .                                     | 3,029,896               | 75.9 (2)            | 142,539        | 47                  |
| not bearing . . . . .                                 | 963,005                 | 24.1                | —              | —                   |
| <i>Total . . . . .</i>                                | <i>3,992,901</i>        | <i>100.0</i>        | <i>—</i>       | <i>—</i>            |
| Wild (shoots) . . . . .                               | 1,927,801               | —                   | —              | —                   |
| <b>DATE-PALMS</b>                                     |                         |                     |                |                     |
| <i>Deqlis-sar and similar (fine varieties)</i>        |                         |                     |                |                     |
| bearing . . . . .                                     | 44,735                  | 20.6                | 4,197          | 92                  |
| not bearing . . . . .                                 | 14,410                  | 6.6                 | —              | —                   |
| <i>Total . . . . .</i>                                | <i>59,145</i>           | <i>27.2</i>         | <i>—</i>       | <i>—</i>            |
| <i>Glans and similar (soft varieties)</i>             |                         |                     |                |                     |
| bearing . . . . .                                     | 99,740                  | 45.9                | 8,263          | 83                  |
| not bearing . . . . .                                 | 8,780                   | 4.1                 | —              | —                   |
| <i>Total . . . . .</i>                                | <i>108,520</i>          | <i>50.0</i>         | <i>—</i>       | <i>—</i>            |
| <i>Deqlis-baida and similar varieties for dragees</i> |                         |                     |                |                     |
| bearing . . . . .                                     | 41,763                  | 19.2                | 3,556          | 85                  |
| not bearing . . . . .                                 | 7,626                   | 3.6                 | —              | —                   |
| <i>Total . . . . .</i>                                | <i>49,389</i>           | <i>22.8</i>         | <i>—</i>       | <i>—</i>            |
| <i>All varieties</i>                                  |                         |                     |                |                     |
| bearing . . . . .                                     | 186,238                 | 85.7                | 15,926         | 86                  |
| not bearing . . . . .                                 | 31,016                  | 14.3                | —              | —                   |
| <i>Total date-palms . . . . .</i>                     | <i>217,254</i>          | <i>100.0</i>        | <i>—</i>       | <i>—</i>            |

(\*) *Annuaire statistique*. — The information on total vines given in Table 30 is not available in regard to European or native vines — (1) Includes the production of scattered trees. — (2) Total olive production.

## 39. — PRODUCTION OF EUROPEAN OLIVICULTURE IN 1930 (\*).

| CLASSIFICATION                  | NORTHERN TERRITORY        | SOUTHERN TERRITORIES      | WHOLE COUNTRY             |
|---------------------------------|---------------------------|---------------------------|---------------------------|
|                                 | 1000 lb.                  | 1000 lb.                  | 1000 lb.                  |
| Olives for preserving . . . . . | 26,464                    | 11                        | 26,475                    |
| Olives for oil . . . . .        | 115,855                   | 9                         | 115,864                   |
| <i>Total . . . . .</i>          | <i>142,319</i>            | <i>20</i>                 | <i>142,339</i>            |
|                                 | Imp. gallons              | Imp. gallons              | Imp. gallons              |
| Olive-oil . . . . .             | (1) 1,796,716             | —                         | (1) 1,796,716             |
|                                 | Imp. gallons per 1000 lb. | Imp. gallons per 1000 lb. | Imp. gallons per 1000 lb. |
| Oil yield of olives . . . . .   | (1) 15.5                  | —                         | (1) 15.5                  |

(\*) *Annuaire statistique*. — The information given in Table 31 on wine production for the whole country is not available for European or native production. — (1) One Imp. gallon weighs on the average about 7 lb.

## 40. — FRUIT AND OTHER TREE CROPS AND NURSERIES BELONGING TO EUROPEANS IN 1930 (\*).

| CLASSIFICATION                      | NORTHERN TERRITORY |                     |                 |                     |
|-------------------------------------|--------------------|---------------------|-----------------|---------------------|
|                                     | Trees in orchards  |                     | Scattered trees |                     |
|                                     | Absolute data      | Percentage of total | Absolute data   | Percentage of total |
|                                     | acres              | %                   | number          | %                   |
| <b>FRUIT TREES</b>                  |                    |                     |                 |                     |
| Apple and pear . . . . .            | 3,039              | 9.1                 | 43,730          | 5.4                 |
| Cherry . . . . .                    | 1,955              | 5.9                 | 32,880          | 4.1                 |
| Apricot . . . . .                   | 1,152              | 3.5                 | 44,829          | 5.6                 |
| Peach . . . . .                     | 2,978              | 8.9                 | 37,859          | 4.7                 |
| Almond . . . . .                    | 3,959              | 11.9                | 235,064         | 29.2                |
| Fig . . . . .                       | 6,629              | 25.9                | 111,879         | 13.9                |
| Mediterranean . . . . .             | 785                | 2.3                 | 33,164          | 4.1                 |
| Pine . . . . .                      | 5,377              | 16.2                | 56,331          | 7.1                 |
| Cash . . . . .                      | 3,585              | 10.8                | 108,656         | 13.5                |
| Various . . . . .                   | 1,821              | 5.5                 | 98,317          | 12.2                |
| <i>Total . . . . .</i>              | <i>33,278</i>      | <i>100.0</i>        | <i>694,689</i>  | <i>100.0</i>        |
| <b>SPECIAL TREES AND NURSERIES</b>  |                    |                     |                 |                     |
| Caper . . . . .                     | —                  | —                   | 9,139           | —                   |
| Eucalyptus . . . . .                | —                  | —                   | 339,843         | —                   |
| NURSERIES FOR YOUNG TREES . . . . . | 1,801              | —                   | —               | —                   |

(\*) *Statistique algérienne*.

40. — FRUIT AND OTHER TREE CROPS AND NURSERIES  
BELONGING TO EUROPEANS IN 1930 (\*) (continued).

| CLASSIFICATION                             | SOUTHERN TERRITORIES |                     |                 |                     |
|--|----------------------|---------------------|-----------------|---------------------|
|  | Trees in orchards    |                     | Scattered trees |                     |
|  | Absolute data        | Percentage of total | Absolute data   | Percentage of total |
|  | acres                | %                   | number          | %                   |
| <b>FRUIT TREES:</b>                        |                      |                     |                 |                     |
| Apple and pear . . . . .                   | 1                    | 11.9                | 736             | 7.8                 |
| Cherry . . . . .                           | —                    | —                   | 150             | 1.6                 |
| Apricot . . . . .                          | —                    | —                   | 2,080           | 22.1                |
| Peach . . . . .                            | 0.12                 | 1.2                 | 767             | 8.2                 |
| Almond . . . . .                           | 0.25                 | 2.4                 | 549             | 5.8                 |
| Fig . . . . .                              | 8                    | 72.6                | 1,587           | 16.9                |
| Medlar . . . . .                           | —                    | —                   | 151             | 1.6                 |
| Plum . . . . .                             | 1                    | 11.9                | 1,173           | 12.5                |
| Carob . . . . .                            | —                    | —                   | 129             | 1.3                 |
| Various . . . . .                          | —                    | —                   | 2,082           | 22.2                |
| <b>Total . . . . .</b>                     | <b>19</b>            | <b>100.0</b>        | <b>9,395</b>    | <b>100.0</b>        |
| <b>SPECIAL TREES AND BUSHES:</b>           |                      |                     |                 |                     |
| Caper . . . . .                            | —                    | —                   | 40              | —                   |
| Eucalyptus . . . . .                       | —                    | —                   | 152             | —                   |
| <b>NURSERIES FOR YOUNG TREES . . . . .</b> | <b>60</b>            | <b>—</b>            | <b>—</b>        | <b>—</b>            |

(\*) Statistique quinquennale.

40. — FRUIT AND OTHER TREE CROPS AND NURSERIES  
BELONGING TO EUROPEANS IN 1930 (\*) (concluded).

| CLASSIFICATION                             | WHOLE COUNTRY     |                     |                 |                     |
|--|-------------------|---------------------|-----------------|---------------------|
|  | Trees in orchards |                     | Scattered trees |                     |
|  | Absolute data     | Percentage of total | Absolute data   | Percentage of total |
|  | acres             | %                   | number          | %                   |
| <b>FRUIT TREES:</b>                        |                   |                     |                 |                     |
| Apple and pear . . . . .                   | 3,040             | 9.0                 | 44,466          | 5.5                 |
| Cherry . . . . .                           | 1,955             | 5.9                 | 33,010          | 4.1                 |
| Apricot . . . . .                          | 1,152             | 3.5                 | 46,909          | 5.8                 |
| Peach . . . . .                            | 2,878             | 8.9                 | 30,626          | 4.7                 |
| Almond . . . . .                           | 3,959             | 11.9                | 235,613         | 28.9                |
| Fig . . . . .                              | 8,637             | 25.9                | 113,466         | 13.9                |
| Medlar . . . . .                           | 765               | 2.4                 | 33,315          | 4.1                 |
| Plum . . . . .                             | 5,378             | 16.2                | 59,504          | 7.3                 |
| Carob . . . . .                            | 3,585             | 10.8                | 108,776         | 13.4                |
| Various . . . . .                          | 1,821             | 5.5                 | 100,399         | 12.3                |
| <b>Total . . . . .</b>                     | <b>33,285</b>     | <b>100.0</b>        | <b>814,084</b>  | <b>100.0</b>        |
| <b>SPECIAL TREES AND BUSHES:</b>           |                   |                     |                 |                     |
| Caper . . . . .                            | —                 | —                   | 9,179           | —                   |
| Eucalyptus . . . . .                       | —                 | —                   | 399,995         | —                   |
| <b>NURSERIES FOR YOUNG TREES . . . . .</b> | <b>1,061</b>      | <b>—</b>            | <b>—</b>        | <b>—</b>            |

(\*) Statistique quinquennale.

41. — AGRICULTURAL MACHINERY AND IMPLEMENTS ON EUROPEAN AGRICULTURAL  
PROPERTIES IN 1930 (\*).

| CLASSIFICATION  | NORTHERN TERRITORY |                      | SOUTHERN TERRITORIES |                      | WHOLE COUNTRY  |                      |
|---|--------------------|----------------------|----------------------|----------------------|----------------|----------------------|
|   | Absolute data      | Average per property | Absolute data        | Average per property | Absolute data  | Average per property |
|   | number             | number               | number               | number               | number         | number               |
| <b>MACHINES FOR FIELD WORK:</b>                               |                    |                      |                      |                      |                |                      |
| <i>Equipment for digging:</i>                                 |                    |                      |                      |                      |                |                      |
| steam . . . . .   | 144                | 0.01                 | 1                    | 0.003                | 145            | 0.01                 |
| electric . . . . .  | 2                  | 0.0                  | —                    | —                    | 2              | 0.0                  |
| <b>Total . . . . .</b>  | <b>146</b>         | <b>0.01</b>          | <b>1</b>             | <b>0.003</b>         | <b>147</b>     | <b>0.01</b>          |
| <i>Tractors for agriculture or viticulture:</i>               |                    |                      |                      |                      |                |                      |
| under 25 h. p. . . . .  | 3,345              | 0.1                  | 5                    | 0.02                 | 3,350          | 0.1                  |
| over 25 h. p. . . . .   | 1,454              | 0.1                  | 1                    | 0.003                | 1,455          | 0.1                  |
| unspecified . . . . .   | 150                | 0.01                 | —                    | —                    | 150            | 0.01                 |
| <b>Total . . . . .</b>  | <b>4,949</b>       | <b>0.2</b>           | <b>6</b>             | <b>0.02</b>          | <b>4,955</b>   | <b>0.2</b>           |
| <i>Misc ploughs and ploughs driven by stationary engines:</i> |                    |                      |                      |                      |                |                      |
| under 25 h. p. . . . .  | 314                | 0.01                 | —                    | —                    | 314            | 0.01                 |
| over 25 h. p. . . . .   | 219                | 0.01                 | —                    | —                    | 219            | 0.01                 |
| <b>Total . . . . .</b>  | <b>533</b>         | <b>0.02</b>          | <b>—</b>             | <b>—</b>             | <b>533</b>     | <b>0.02</b>          |
| <i>Ploughs:</i>   |                    |                      |                      |                      |                |                      |
| European type . . . . .                                       | 112,828            | 4.4                  | 122                  | 0.4                  | 112,950        | 4.3                  |
| native type . . . . .   | 4,398              | 0.2                  | 13                   | 0.04                 | 4,411          | 0.2                  |
| <b>Total . . . . .</b>  | <b>117,226</b>     | <b>4.6</b>           | <b>135</b>           | <b>0.4</b>           | <b>117,361</b> | <b>4.5</b>           |
| <i>Harrow:</i>  |                    |                      |                      |                      |                |                      |
| Disc pulverizers . . . . .                                    | 20,009             | 1.1                  | 67                   | 0.2                  | 20,076         | 1.1                  |
| Disc pulverizers . . . . .                                    | 8,702              | 0.3                  | 1                    | 0.003                | 8,703          | 0.3                  |
| Cultivators, Canadian harrows and scarifiers . . . . .        | 13,683             | 0.5                  | 1                    | 0.003                | 13,684         | 0.5                  |
| Ordinary rollers and crinkles . . . . .                       | 8,289              | 0.3                  | 9                    | 0.03                 | 8,298          | 0.3                  |
| <b>SOILING MACHINES . . . . .</b>                             | <b>4,401</b>       | <b>0.2</b>           | <b>3</b>             | <b>0.01</b>          | <b>4,404</b>   | <b>0.2</b>           |
| <b>HARVESTING MACHINES:</b>                                   |                    |                      |                      |                      |                |                      |
| Mowers . . . . .  | 5,679              | 0.2                  | 2                    | 0.01                 | 5,681          | 0.2                  |
| Harvester-blades . . . . .                                    | 12,093             | 0.5                  | 6                    | 0.02                 | 12,099         | 0.5                  |
| Harvester-threshers . . . . .                                 | 426                | 0.02                 | 1                    | 0.003                | 427            | 0.02                 |
| Cereal threshers . . . . .                                    | 1,386              | 0.1                  | 2                    | 0.01                 | 1,388          | 0.1                  |
| <b>TRACTOR MATERIAL:</b>                                      |                    |                      |                      |                      |                |                      |
| Locomotives (steam-engines) . . . . .                         | 1,404              | 0.1                  | —                    | —                    | 1,404          | 0.1                  |
| Wagons, trucks and carts . . . . .                            | 39,852             | 1.5                  | 86                   | 0.2                  | 39,938         | 1.5                  |

(\*) Statistique quinquennale.

## 42. — LIVESTOCK BELONGING TO EUROPEANS ON 31 DECEMBER 1929 (\*).

| CLASSIFICATION        | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY  |                     |
|-----------------------|--------------------|---------------------|----------------------|---------------------|----------------|---------------------|
|                       | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data  | Percentage of total |
|                       | number             | %                   | number               | %                   | number         | %                   |
| <b>Horses:</b>        |                    |                     |                      |                     |                |                     |
| Male                  | 25,453             | 54.3                | 46                   | 52.9                | 25,499         | 54.3                |
| Female                | 21,427             | 45.7                | 41                   | 47.1                | 21,468         | 45.7                |
| <b>Total</b>          | <b>46,880</b>      | <b>100.0</b>        | <b>87</b>            | <b>100.0</b>        | <b>46,967</b>  | <b>100.0</b>        |
| <b>Mules</b>          | 59,569             | —                   | 108                  | —                   | 59,677         | —                   |
| <b>Asses</b>          | 5,484              | —                   | 124                  | —                   | 5,608          | —                   |
| <b>Cattle:</b>        |                    |                     |                      |                     |                |                     |
| Cows and heifers      | 56,532             | 48.1                | 492                  | 55.3                | 57,024         | 48.2                |
| Oxen and bull-calves  | 66,960             | 51.0                | 318                  | 35.8                | 67,278         | 50.9                |
| Bulls                 | 7,719              | 5.9                 | 79                   | 8.9                 | 7,798          | 5.9                 |
| <b>Total</b>          | <b>131,211</b>     | <b>100.0</b>        | <b>689</b>           | <b>100.0</b>        | <b>132,100</b> | <b>100.0</b>        |
| <b>Sheep:</b>         |                    |                     |                      |                     |                |                     |
| Ewes and ewe-lambs    | 216,492            | 50.6                | 37,575               | 62.5                | 254,067        | 52.0                |
| Wethers and ram-lambs | 188,372            | 44.0                | 20,716               | 34.4                | 209,088        | 42.8                |
| Rams                  | 23,377             | 5.4                 | 1,868                | 3.1                 | 25,245         | 5.2                 |
| <b>Total</b>          | <b>428,241</b>     | <b>100.0</b>        | <b>60,159</b>        | <b>100.0</b>        | <b>488,400</b> | <b>100.0</b>        |
| <b>GOATS</b>          | 64,176             | —                   | 2,088                | —                   | 66,264         | —                   |
| <b>Pigs</b>           | 86,920             | —                   | 507                  | —                   | 87,427         | —                   |
| <b>Camels</b>         | 191                | —                   | 175                  | —                   | 365            | —                   |

(\*) *Assessive statistics.*

## 43. — POULTRY AND RABBITS BELONGING TO EUROPEANS IN 1930 (\*).

| CLASSIFICATION       | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY  |
|----------------------|--------------------|----------------------|----------------|
|                      | number             | number               | number         |
| Fowl                 | 670,507            | 14,549               | 684,856        |
| Geese                | 45,909             | 543                  | 46,452         |
| Ducks                | 105,961            | 491                  | 106,452        |
| Turkeys              | 52,100             | 469                  | 52,569         |
| Guinea-fowl          | 26,348             | 211                  | 26,559         |
| <b>Total poultry</b> | <b>900,825</b>     | <b>15,863</b>        | <b>916,488</b> |
| Pigeons              | 295,079            | 4,422                | 299,501        |
| Rabbits              | 236,077            | 11,961               | 248,038        |

(\*) *Statistique quinquennale.*

## 44. — ANIMAL PRODUCTS PRODUCED BY EUROPEANS IN 1929-30.

| CLASSIFICATION  |              | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|-----------------|--------------|--------------------|----------------------|---------------|
|                 |              |                    |                      |               |
| Milk (1)        | imp. gallons | 8,199,133          | 173,526              | 8,372,659     |
| Butter (1)      | lb.          | 379,141            | 419                  | 379,560       |
| Cheese (1)      | "            | 107,707            | 1,235                | 108,942       |
| Crassy wool (2) | 1000 lb. (3) | 7,846 (3)          | 155 (3)              | 8,001         |

(1) *Statistique quinquennale.* — (2) *Assessive statistics.* — Yield of scoured wool: 45 per cent. — (3) These figures have been shown by subsequent inquiries to be too low, and they are given only to serve as an indication.

## 45. — EXTENT AND PRODUCTION OF EUROPEAN APICULTURE IN 1930 (\*).

| CLASSIFICATION            | NORTHERN TERRITORY |                       | SOUTHERN TERRITORIES |                       | WHOLE COUNTRY |                       |
|---------------------------|--------------------|-----------------------|----------------------|-----------------------|---------------|-----------------------|
|                           | Absolute data      | Average               | Absolute data        | Average               | Absolute data | Average               |
|                           | number             |                       | number               |                       | number        |                       |
| NUMBER OF BEE-KEEPERS     | 844                | —                     | 14                   | —                     | 858           | —                     |
|                           |                    | number per bee-keeper |                      | number per bee-keeper |               | number per bee-keeper |
| NUMBER OF BEEHIVES IN USE | 8,998              | 10.7                  | 212                  | 15.1                  | 9,210         | 10.7                  |
| PRODUCTION:               | lb.                | lb. per hive          | lb.                  | lb. per hive          | lb.           | lb. per hive          |
| Honey                     | 130,071            | 14.5                  | 616                  | 3.8                   | 130,687       | 14.2                  |
| Wax                       | 42,653             | 4.7                   | 582                  | 2.7                   | 43,235        | 4.7                   |

(\*) *Statistique quinquennale.*

## 46. — NUMBER OF MULBERRY TREES BELONGING TO EUROPEANS IN 1930 (\*).

|                      |               |
|----------------------|---------------|
| Northern Territory   | 64,947        |
| Southern Territories | 2             |
| <b>WHOLE COUNTRY</b> | <b>64,949</b> |

(\*) *Statistique quinquennale.* Information in regard to European and native sericulture is not available.

## 47. — AGRICULTURAL LABOUR EMPLOYED BY EUROPEANS IN 1930 (\*).

Europeans employ approximately 60 per cent. of the total agricultural labour including seasonal workers (*shars-oumaris* *gharnis*, and smallholders; see Table 26). This proportion is estimated approximately on the basis of the cultivated area and the nature of the crops, but excludes stock-raising, which is mainly done by natives.(\*) *Statistique quinquennale.*

C — NATIVE AGRICULTURE



48. — PRIVATE NATIVE AGRICULTURAL PROPERTIES IN 1930  
ACCORDING TO SIZE (\*).

| CLASSIFICATION             | NORTHERN TERRITORY     |                          |                        |                      |
|----------------------------|------------------------|--------------------------|------------------------|----------------------|
|                            | Number<br>of<br>owners | Total area of land owned |                        |                      |
|                            |                        | Absolute<br>data         | Percentage<br>of total | Average<br>per owner |
|                            | number                 | acres                    | %                      | acres                |
| Owners possessing:         |                        |                          |                        |                      |
| less than 10 ha. . . . .   | 368,615                | 3,929,757                | 21.6                   | 10.8                 |
| from 10 to 50 ha. . . . .  | 138,945                | 6,455,594                | 35.4                   | 46.5                 |
| from 50 to 100 ha. . . . . | 36,835                 | 3,520,799                | 21.5                   | 105.4                |
| over 100 ha. . . . .       | 8,001                  | 3,916,549                | 21.5                   | 490.5                |
| Total . . . . .            | 547,396                | 18,222,699               | 100.0                  | 33.3                 |

(\*) Statistique quinquennale.

48. — PRIVATE NATIVE AGRICULTURAL PROPERTIES IN 1930  
ACCORDING TO SIZE (\*) (continued).

| CLASSIFICATION             | SOUTHERN TERRITORIES   |                          |                        |                      |
|----------------------------|------------------------|--------------------------|------------------------|----------------------|
|                            | Number<br>of<br>owners | Total area of land owned |                        |                      |
|                            |                        | Absolute<br>data         | Percentage<br>of total | Average<br>per owner |
|                            | number                 | acres                    | %                      | acres                |
| Owners possessing:         |                        |                          |                        |                      |
| less than 10 ha. . . . .   | 79,922                 | 356,969                  | 78.7                   | 5.2                  |
| from 10 to 50 ha. . . . .  | 1,065                  | 56,408                   | 12.1                   | 53.0                 |
| from 50 to 100 ha. . . . . | 127                    | 21,573                   | 4.6                    | 169.9                |
| over 100 ha. . . . .       | 34                     | 21,128                   | 4.6                    | 621.4                |
| Total . . . . .            | 72,148                 | 486,098                  | 100.0                  | 6.5                  |

(\*) Statistique quinquennale.

48. — PRIVATE NATIVE AGRICULTURAL PROPERTIES IN 1930  
ACCORDING TO SIZE (\*) (concluded).

| CLASSIFICATION             | WHOLE COUNTRY          |                          |                        |                      |
|----------------------------|------------------------|--------------------------|------------------------|----------------------|
|                            | Number<br>of<br>owners | Total area of land owned |                        |                      |
|                            |                        | Absolute<br>data         | Percentage<br>of total | Average<br>per owner |
|                            | number                 | acres                    | %                      | acres                |
| Owners possessing:         |                        |                          |                        |                      |
| less than 10 ha. . . . .   | 454,537                | 4,296,746                | 23.0                   | 9.9                  |
| from 10 to 50 ha. . . . .  | 140,010                | 6,512,002                | 34.8                   | 46.5                 |
| from 50 to 100 ha. . . . . | 36,962                 | 3,942,592                | 21.1                   | 105.7                |
| over 100 ha. . . . .       | 8,035                  | 3,937,677                | 21.1                   | 490.1                |
| Total . . . . .            | 619,544                | 18,688,797               | 100.0                  | 30.2                 |

(\*) Statistique quinquennale.

## 49. — NATIVE-OWNED ARABLE LAND ACCORDING TO CROPS IN 1929-30 (\*) (see over)

| CLASSIFICATION                                | NORTHERN TERRITORY |              |             | SOUTHERN TERRITORIES |              |             | WHOLE COUNTRY    |              |             |
|---|--------------------|--------------|-------------|----------------------|--------------|-------------|------------------|--------------|-------------|
|   | Area sown          | Percentage   |             | Area sown            | Percentage   |             | Area sown        | Percentage   |             |
|   |                    | of group     | of total    |                      | of group     | of total    |                  | of group     | of total    |
|   | acres              | %            | %           | acres                | %            | %           | acres            | %            | %           |
| <b>CEREALS CUT FOR GRAIN</b>                  |                    |              |             |                      |              |             |                  |              |             |
| <b>Winter cereals:</b>                        |                    |              |             |                      |              |             |                  |              |             |
| Hard wheat . . . . .                          | 2,599,448          | 41.7         | 40.5        | 32,789               | 34.6         | 32.4        | 2,632,237        | 41.6         | 40.4        |
| Soft wheat . . . . .                          | 221,963            | 3.6          | 3.5         | 1,735                | 1.8          | 1.7         | 223,698          | 3.5          | 3.4         |
| Barley . . . . .                              | 3,146,025          | 50.5         | 48.9        | 58,518               | 61.8         | 57.9        | 3,204,543        | 50.6         | 49.1        |
| Oats . . . . .                                | 212,382            | 3.4          | 3.3         | —                    | —            | —           | 212,882          | 3.4          | 3.3         |
| Rye . . . . .                                 | 1,890              | 0.03         | 0.03        | —                    | —            | —           | 1,890            | 0.03         | 0.03        |
| <b>Total . . . . .</b>                        | <b>6,180,198</b>   | <b>99.2</b>  | <b>96.2</b> | <b>93,042</b>        | <b>98.2</b>  | <b>92.0</b> | <b>6,273,240</b> | <b>99.1</b>  | <b>96.1</b> |
| <b>Summer cereals:</b>                        |                    |              |             |                      |              |             |                  |              |             |
| Maize . . . . .                               | 16,798             | 0.3          | 0.3         | 430                  | 0.5          | 0.4         | 17,228           | 0.3          | 0.3         |
| Spelt millet (Basha or daril) . . . . .       | 34,791             | 0.5          | 0.5         | 801                  | 0.8          | 0.8         | 35,592           | 0.6          | 0.5         |
| Great millet . . . . .                        | 1,238              | 0.02         | 0.02        | 427                  | 0.5          | 0.4         | 1,665            | 0.03         | 0.03        |
| <b>Total . . . . .</b>                        | <b>52,827</b>      | <b>0.8</b>   | <b>0.8</b>  | <b>1,658</b>         | <b>1.8</b>   | <b>1.6</b>  | <b>54,485</b>    | <b>0.9</b>   | <b>0.8</b>  |
| <b>Total of cereals . . . . .</b>             | <b>6,233,025</b>   | <b>100.0</b> | <b>97.0</b> | <b>94,700</b>        | <b>100.0</b> | <b>93.6</b> | <b>6,327,725</b> | <b>100.0</b> | <b>97.0</b> |
| <b>LEGUMINOUS CROPS FOR GRAIN (1)</b>         |                    |              |             |                      |              |             |                  |              |             |
| Broad beans and horse beans . . . . .         | 64,760             | 55.6         | 1.8         | 203                  | 20.7         | 0.2         | 64,963           | 55.6         | 1.0         |
| Dried peas . . . . .                          | 10,035             | 8.6          | 0.2         | 5                    | 1.7          | 0.00        | 10,040           | 8.6          | 0.2         |
| Chickpeas . . . . .                           | 31,489             | 27.0         | 0.5         | 39                   | 10.3         | 0.05        | 31,528           | 27.0         | 0.5         |
| Lentils . . . . .                             | 2,231              | 1.9          | 0.05        | 42                   | 14.7         | 0.04        | 2,273            | 1.9          | 0.05        |
| Vetching . . . . .                            | 6,358              | 5.5          | 0.1         | —                    | —            | —           | 6,358            | 5.5          | 0.1         |
| Dried kidney beans . . . . .                  | 1,621              | 1.4          | 0.02        | 7                    | 2.6          | 0.01        | 1,628            | 1.4          | 0.02        |
| <b>Total . . . . .</b>                        | <b>116,494</b>     | <b>100.0</b> | <b>1.8</b>  | <b>287</b>           | <b>100.0</b> | <b>0.3</b>  | <b>116,781</b>   | <b>100.0</b> | <b>1.8</b>  |
| <b>LEGUMINOUS AND GRAMINEOUS FODDER CROPS</b> |                    |              |             |                      |              |             |                  |              |             |
| Vetches and oats . . . . .                    | 3,741              | 35.4         | 0.1         | —                    | —            | —           | 3,741            | 31.7         | 0.1         |
| Alfalfa . . . . .                             | 245                | 2.3          | 0.004       | 623                  | 52.2         | 0.6         | 868              | 7.4          | 0.01        |
| Green barley . . . . .                        | 5,849              | 55.2         | 0.1         | 366                  | 47.4         | 0.6         | 6,215            | 54.4         | 0.1         |
| Egyptian clover (Bessim) . . . . .            | 35                 | 0.3          | 0.001       | —                    | —            | —           | 35               | 0.3          | 0.001       |
| Sulla, napier grass, etc. . . . .             | 722                | 6.9          | 0.01        | 5                    | 0.4          | 0.0         | 727              | 6.2          | 0.01        |
| <b>Total . . . . .</b>                        | <b>10,592</b>      | <b>100.0</b> | <b>0.2</b>  | <b>1,194</b>         | <b>100.0</b> | <b>1.2</b>  | <b>11,786</b>    | <b>100.0</b> | <b>0.2</b>  |
| <b>TUBERS AND ROOT CROPS</b>                  |                    |              |             |                      |              |             |                  |              |             |
| Winter potatoes (2) . . . . .                 | (7,767)            | —            | —           | (54)                 | —            | —           | (7,821)          | —            | —           |
| Spring and summer potatoes (3) . . . . .      | 9,170              | 100.0        | 0.1         | 237                  | 100.0        | 0.2         | 9,407            | 100.0        | 0.1         |

(\*) *Annuaire and Recensements statistiques*. — (1) Catch crops on cultivated fallow (see Table 52) are not included here. — (2) Early crops (planted October to February), chiefly for export. These crops are for the most part intercalary or in market gardens, and followed in such cases by catch crops; in some cases they are even grown among vines. Except for the latter, their area is included here among the crops indicated in note 3 page 149. — (3) Seasonal crops (planted in spring and harvested during summer or autumn), chiefly for local consumption.

## 49. — NATIVE-OWNED ARABLE LAND ACCORDING TO CROPS IN 1929-30 (\*) (concluded).

| CLASSIFICATION   | NORTHERN TERRITORY   |              |              | SOUTHERN TERRITORIES |              |              | WHOLE COUNTRY        |              |              |
|--|----------------------|--------------|--------------|----------------------|--------------|--------------|----------------------|--------------|--------------|
|  | Area sown            | Percentage   |              | Area sown            | Percentage   |              | Area sown            | Percentage   |              |
|  |                      | of group     | of total     |                      | of group     | of total     |                      | of group     | of total     |
|  | acres                | %            | %            | acres                | %            | %            | acres                | %            | %            |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                                |                      |              |              |                      |              |              |                      |              |              |
| Cotton . . . . .   | 1,599                | 3.7          | 0.02         | —                    | —            | —            | 1,599                | 3.7          | 0.02         |
| <b>Essential-oil and aromatic plants:</b>                            |                      |              |              |                      |              |              |                      |              |              |
| Rose geranium . . . . .  | 156                  | 0.4          | 0.002        | —                    | —            | —            | 156                  | 0.3          | 0.002        |
| Tobacco . . . . .  | (1) 41,598           | 95.9         | 0.7          | (2) 217              | 100.0        | 0.2          | (1) 41,815           | 96.0         | 0.7          |
| <b>Total . . . . .</b>   | <b>43,253</b>        | <b>100.0</b> | <b>0.7</b>   | <b>217</b>           | <b>100.0</b> | <b>0.2</b>   | <b>43,570</b>        | <b>100.0</b> | <b>0.7</b>   |
| <b>Total sown cultivated arable land without trees (3) . . . . .</b> | <b>(4) 6,000,000</b> | <b>—</b>     | <b>100.0</b> | <b>(1) 101,100</b>   | <b>—</b>     | <b>100.0</b> | <b>(4) 6,520,000</b> | <b>—</b>     | <b>100.0</b> |

(\*) *Annuaire and Recensements statistiques*. — (1) No indication is available of the relative proportions of this area cultivated to smoking and snuff tobacco. — (2) Tobacco for snuff only. — (3) No information is available of fallow (uncultivated and unplanted arable land) for native or European agriculture. — (4) Approximate rounded figure, including a certain area of various crops, part of the early potato, garden crops etc. (12 to 25,000 acres).

## 50. — TRUCK CROPS GROWN BY NATIVES IN 1930 (\*).

| CLASSIFICATION                     | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|------------------------------------|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|                                    | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|                                    | acres              | %                   | acres                | %                   | acres         | %                   |
| Tanatoes . . . . .                 | 2,671              | 20.4                | 425                  | 9.2                 | 3,096         | 17.5                |
| Artichokes . . . . .               | 551                | 4.2                 | 1                    | 0.03                | 552           | 3.1                 |
| Green kidney beans . . . . .       | 796                | 6.1                 | 1                    | 0.03                | 797           | 4.5                 |
| Green peas . . . . .               | 3,306              | 25.3                | 17                   | 0.4                 | 3,323         | 18.8                |
| Carrots . . . . .                  | 521                | 4.0                 | 882                  | 19.1                | 1,403         | 7.9                 |
| Various green vegetables . . . . . | 5,229              | 40.0                | 5,284                | 71.2                | 8,513         | 48.2                |
| <b>Total . . . . .</b>             | <b>13,074</b>      | <b>100.0</b>        | <b>4,610</b>         | <b>100.0</b>        | <b>17,684</b> | <b>100.0</b>        |

(\*) *Statistique quinquennale*. — The total area under these crops is included in table 49 with various unspecified crops under cultivated fallow land without trees.

## 51. — NATURAL FODDER: AREA CUT BY NATIVES IN 1929-30 (\*).

|                                |                      |
|--------------------------------|----------------------|
| Northern Territory . . . . .   | acres 149,874        |
| Southern Territories . . . . . | " 25                 |
| <b>Whole country . . . . .</b> | <b>acres 149,899</b> |

(\*) *Annuaire statistiques*. — Natural fodder cut for hay on uncultivated arable land (fallow).

## 52. — WINTER CEREALS ON NATIVE HOLDINGS: PREPARATORY WORK IN 1930 (\*).

| CLASSIFICATION                                    | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY    |                     |
|---|--------------------|---------------------|----------------------|---------------------|------------------|---------------------|
|   | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data    | Percentage of total |
|   | acres              | %                   | acres                | %                   | acres            | %                   |
| <b>LAND ON WHICH PREPARATORY WORK DONE</b>        |                    |                     |                      |                     |                  |                     |
| <i>Spring work:</i>                               |                    |                     |                      |                     |                  |                     |
| Unproductive up to sowing . . . . .               | 438,304            | 8.2                 | 8,755                | 12.7                | 447,119          | 8.3                 |
| Productive of pulses as catch crops . . . . .     | 45,745             | 0.9                 | 54                   | 0.1                 | 45,799           | 0.9                 |
| <i>Total . . . . .</i>                            | <i>484,109</i>     | <i>9.1</i>          | <i>8,809</i>         | <i>12.8</i>         | <i>492,918</i>   | <i>9.2</i>          |
| <i>Summer work . . . . .</i>                      | <i>81,961</i>      | <i>1.5</i>          | <i>504</i>           | <i>0.7</i>          | <i>82,465</i>    | <i>1.5</i>          |
| <i>Total preparatory work . . . . .</i>           | <i>566,070</i>     | <i>10.6</i>         | <i>9,313</i>         | <i>13.5</i>         | <i>575,383</i>   | <i>10.7</i>         |
| <b>LAND ON WHICH NO PREPARATORY WORK DONE (1)</b> |                    |                     |                      |                     |                  |                     |
| <i>Total land sown to winter cereals (1)</i>      | <i>4,756,670</i>   | <i>89.4</i>         | <i>59,687</i>        | <i>86.5</i>         | <i>4,816,357</i> | <i>89.3</i>         |
| <i>Total land sown to winter cereals (1)</i>      | <i>5,322,740</i>   | <i>100.0</i>        | <i>68,000</i>        | <i>100.0</i>        | <i>5,391,740</i> | <i>100.0</i>        |

(\* *Recensements statistiques*. — Land, intended for winter cereals, on which work was done in the spring or summer preceding the autumn sowing of the 1930-31 season. — (1) Area calculated according to first sowing estimates for the 1930-31 season.

## 53. — SPECIAL CROPS: NUMBER OF NATIVE GROWERS AND AREA IN 1929-30 (\*).

| CLASSIFICATION                          | NORTHERN TERRITORY |               |                    | SOUTHERN TERRITORIES |               |                    | WHOLE COUNTRY     |               |                    |
|---|--------------------|---------------|--------------------|----------------------|---------------|--------------------|-------------------|---------------|--------------------|
|   | Number of growers  | Area          |                    | Number of growers    | Area          |                    | Number of growers | Area          |                    |
|   |                    | Absolute data | Average for grower |                      | Absolute data | Average for grower |                   | Absolute data | Average for grower |
|   | number             | acres         | acres              | number               | acres         | acres              | number            | acres         | acres              |
| <b>TOBACCO GROWERS</b> . . . . .        | (1) 15,359         | 41,598        | 2.7                | (2) 1,001            | (2) 217       | 0.2                | (1) 16,420        | (1) 41,815    | 2.5                |
| <b>COTTON GROWERS</b> . . . . .         | 76                 | 1,599         | 21.0               | —                    | —             | —                  | 76                | 1,599         | 21.0               |
| <b>GROWERS OF ESSENTIAL-OIL PLANTS:</b> |                    |               |                    |                      |               |                    |                   |               |                    |
| Rose geranium . . . . .                 | 4                  | 156           | 39.0               | —                    | —             | —                  | 4                 | 156           | 39.0               |

(\* *Annuaire et Recensements statistiques*. — (1) No distinction was made between smoking and snuff tobacco in regard to native and of European crops. — (2) Snuff tobacco only.

## 54. — PRODUCTION OF NATIVE-OWNED ARABLE LAND IN 1930 (\*).

| CLASSIFICATION                                       | NORTHERN TERRITORY |               |              | SOUTHERN TERRITORIES |               |              | WHOLE COUNTRY |               |              |
|--|--------------------|---------------|--------------|----------------------|---------------|--------------|---------------|---------------|--------------|
|  | Area               | Production    |              | Area                 | Production    |              | Area          | Production    |              |
|  |                    | Absolute data | Yield        |                      | Absolute data | Yield        |               | Absolute data | Yield        |
|  | acres              | 1000 lb.      | lb. per acre | acres                | 1000 lb.      | lb. per acre | acres         | 1000 lb.      | lb. per acre |
| <b>CEREALS CUT FOR GRAIN</b>                         |                    |               |              |                      |               |              |               |               |              |
| Hard wheat . . . . .                                 | 2,599,448          | 872,855       | 336          | 32,789               | 9,120         | 278          | 2,632,237     | 881,975       | 335          |
| Soft wheat . . . . .                                 | 221,963            | 112,967       | 509          | 1,735                | 1,323         | 763          | 223,698       | 114,310       | 511          |
| Barley . . . . .                                     | 3,144,025          | 1,411,757     | 449          | 56,518               | 25,673        | 442          | 3,200,543     | 1,437,430     | 449          |
| Oats . . . . .                                       | 212,882            | 107,207       | 504          | —                    | —             | —            | 212,882       | 107,207       | 504          |
| Rye . . . . .  | 1,880              | 1,588         | 845          | —                    | —             | —            | 1,880         | 1,588         | 845          |
| Millets . . . . .                                    | 16,798             | 10,656        | 631          | 430                  | 172           | 400          | 17,228        | 10,828        | 627          |
| Synked millet (Beless or dard) . . . . .             | 34,791             | 20,624        | 593          | 801                  | 132           | 165          | 35,592        | 20,756        | 583          |
| Great millet . . . . .                               | 1,238              | 569           | 460          | 427                  | 108           | 253          | 1,665         | 677           | 407          |
| <b>LEGUMINOUS CROPS FOR GRAIN (1):</b>               |                    |               |              |                      |               |              |               |               |              |
| Broad beans and beam beans . . . . .                 | 64,780             | 25,254        | 390          | 205                  | 72            | 355          | 64,985        | 25,326        | 390          |
| Dried peas . . . . .                                 | 10,035             | 4,776         | 476          | 5                    | 1             | 209          | 10,040        | 4,777         | 476          |
| Chickpeas . . . . .                                  | 31,489             | 11,557        | 367          | 30                   | 7             | 233          | 31,519        | 11,564        | 367          |
| Lentils . . . . .                                    | 2,231              | 699           | 313          | 42                   | 15            | 357          | 2,273         | 714           | 314          |
| Vetching . . . . .                                   | 6,358              | 2,259         | 352          | —                    | —             | —            | 6,358         | 2,259         | 352          |
| Dried kidney beans . . . . .                         | 1,621              | 1,074         | 661          | 7                    | 4             | 571          | 1,628         | 1,078         | 662          |
| <b>LEGUMINOUS AND GRAMINACEOUS FODDER CROPS (2):</b> |                    |               |              |                      |               |              |               |               |              |
| Vetches and oats: dry fodder . . . . .               | 3,741              | 6,053         | 1,618        | —                    | —             | —            | 3,741         | 6,053         | 1,618        |
| Alfalfa: dry fodder . . . . .                        | 245                | 820           | 3,347        | 623                  | 330           | 530          | 868           | 1,150         | 1,325        |
| Natural fodder: dried hay (3) . . . . .              | 149,874            | 208,279       | 1,390        | 25                   | 13            | 520          | 149,899       | 208,292       | 1,390        |
| <b>TUBERS:</b>                                       |                    |               |              |                      |               |              |               |               |              |
| Winter potatoes (4) . . . . .                        | 7,767              | 16,965        | 2,184        | 54                   | 315           | 5,833        | 7,821         | 17,280        | 2,209        |
| Spring and summer potatoes . . . . .                 | 9,170              | 20,069        | 2,276        | 237                  | 678           | 2,861        | 9,407         | 21,547        | 2,291        |
| <b>TRUCK CROPS:</b>                                  |                    |               |              |                      |               |              |               |               |              |
| Turnatoes . . . . .                                  | 2,671              | 8,027         | 3,005        | 425                  | 1,091         | 2,567        | 3,096         | 9,118         | 2,945        |
| Artichokes . . . . .                                 | 551                | 3,578         | 6,494        | 1                    | 3             | 3,000        | 552           | 3,581         | 6,487        |
| Green kidney beans . . . . .                         | 796                | 932           | 1,171        | 1                    | 3             | 3,000        | 797           | 935           | 1,173        |
| Fresh green peas . . . . .                           | 3,306              | 3,400         | 1,028        | 17                   | 50            | 2,941        | 3,323         | 3,420         | 1,038        |
| Cucumbers . . . . .                                  | 521                | 1,610         | 3,090        | 882                  | 6,030         | 6,837        | 1,403         | 7,640         | 5,445        |
| Various fresh vegetables . . . . .                   | 5,229              | 18,534        | 2,508        | 3,284                | 11,953        | 3,640        | 8,513         | 25,487        | 2,994        |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                |                    |               |              |                      |               |              |               |               |              |
| Cotton: unspinned . . . . .                          | 1,599              | 1,089         | 681          | —                    | —             | —            | 1,599         | 1,089         | 681          |
| spinned (line) . . . . .                             | —                  | 366           | 229          | —                    | —             | —            | —             | 366           | 229          |
| Tobacco . . . . .                                    | (5) 41,598         | (5) 31,192    | (5) 750      | (6) 217              | (6) 280       | (6) 1,290    | 41,815        | 31,472        | 753          |
| <b>ESSENTIAL OILS:</b>                               |                    |               |              |                      |               |              |               |               |              |
| Rose geranium . . . . .                              | 156                | 1,614         | 10           | —                    | —             | —            | 156           | 1,614         | 10           |

(\* *Annuaire, Recensements statistiques et Statistique quinquennale*. See Tables 49 to 52. — (1) Including pulses grown as catch crops on fallow (see Table 52). — (2) No data available for the production of green or ensiled fodder, barley cut green, sainfoin, etc. (see Table 49). — (3) Natural fodder cut on sown arable land (see Table 51). — (4) Part of these crops are grown between vines (see note 2, Table 49). — (5) No distinction was made between smoking and snuff tobacco in regard to native or European agriculture. — (6) Snuff tobacco only.

55. — AREA OF CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS  
 BELONGING TO NATIVES AND PRODUCTION IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY      |                     |               |                     |
|--|-------------------------|---------------------|---------------|---------------------|
|  | Area or number of trees |                     | Production    |                     |
|  | Absolute data           | Percentage of total | Absolute data | Yield               |
|  | acres                   | %                   | 1000 lb.      | lb. per acre        |
| <b>CITRUS:</b>   |                         |                     |               |                     |
| Oranges . . . . .                                      | 1,871                   | 69.0                | 6,904         | 3,722               |
| Tangerines and mandarins . . . . .                     | 516                     | 19.1                | 3,061         | 5,971               |
| Lemons, cedrats and others . . . . .                   | 324                     | 11.9                | 962           | 3,031               |
| <i>Total . . . . .</i>                                 | <i>2,711</i>            | <i>100.0</i>        | <i>11,027</i> | <i>—</i>            |
| <b>OLIVES:</b>   |                         |                     |               |                     |
| <i>Cultivated (planted or grafted):</i>                | <i>number</i>           |                     |               | <i>lb. per tree</i> |
| bearing . . . . .                                      | 4,678,982               | 82.6 (1)            | 314,801       | 67                  |
| not bearing . . . . .                                  | 986,449                 | 17.4                | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>5,665,431</i>        | <i>100.0</i>        | <i>—</i>      | <i>—</i>            |
| Wild (oleasters) . . . . .                             | 3,685,020               | —                   | —             | —                   |
| <b>DATE-PALMS:</b>                                     |                         |                     |               |                     |
| <i>Deglet-ner and similar (fine varieties):</i>        |                         |                     |               |                     |
| bearing . . . . .                                      | 78,720                  | 16.7                | 10,150        | 129                 |
| not bearing . . . . .                                  | 11,061                  | 2.3                 | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>89,781</i>           | <i>19.0</i>         | <i>—</i>      | <i>—</i>            |
| <i>Ghars and similar (soft varieties):</i>             |                         |                     |               |                     |
| bearing . . . . .                                      | 98,475                  | 20.9                | 8,649         | 88                  |
| not bearing . . . . .                                  | 6,945                   | 1.5                 | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>105,420</i>          | <i>22.4</i>         | <i>—</i>      | <i>—</i>            |
| <i>Deglet-béda and similar (varieties for drying):</i> |                         |                     |               |                     |
| bearing . . . . .                                      | 221,091                 | 46.8                | 20,092        | 91                  |
| not bearing . . . . .                                  | 55,708                  | 11.8                | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>276,809</i>          | <i>58.6</i>         | <i>—</i>      | <i>—</i>            |
| <i>All varieties:</i>                                  |                         |                     |               |                     |
| bearing . . . . .                                      | 998,286                 | 84.4                | 38,891        | 98                  |
| not bearing . . . . .                                  | 73,804                  | 15.6                | —             | —                   |
| <i>Total date-palms . . . . .</i>                      | <i>472,099</i>          | <i>100.0</i>        | <i>—</i>      | <i>—</i>            |

(\*). *Annual statistics.* — The information given in Table 10 for total vines is not available in regard to native or European vines. — (1) Total olive production.

 55. — AREA OF CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS  
 BELONGING TO NATIVES AND PRODUCTION IN 1930 (\*) (continued).

| CLASSIFICATION   | SOUTHERN TERRITORIES    |                           |               |                     |
|--|-------------------------|---------------------------|---------------|---------------------|
|  | Area or number of trees |                           | Production    |                     |
|  | Absolute data           | Percentage of group total | Absolute data | Yield               |
|  | acres                   | %                         | 1000 lb.      | lb. per acre        |
| <b>CITRUS:</b>   |                         |                           |               |                     |
| Oranges . . . . .                                      | —                       | —                         | (1)           | 55                  |
| Tangerines and mandarins . . . . .                     | —                       | —                         | (1)           | 14                  |
| Lemons, cedrats and others . . . . .                   | —                       | —                         | (1)           | 210                 |
| <i>Total . . . . .</i>                                 | <i>—</i>                | <i>—</i>                  | <i>(1)</i>    | <i>279</i>          |
| <b>OLIVES:</b>   |                         |                           |               |                     |
| <i>Cultivated (planted or grafted):</i>                |                         |                           |               | <i>lb. per tree</i> |
| bearing . . . . .                                      | 5,384                   | 49.9 (2)                  | 91            | 17                  |
| not bearing . . . . .                                  | 5,405                   | 50.1                      | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>10,789</i>           | <i>100.0</i>              | <i>—</i>      | <i>—</i>            |
| Wild (oleasters) . . . . .                             | 1,638                   | —                         | —             | —                   |
| <b>DATE-PALMS:</b>                                     |                         |                           |               |                     |
| <i>Deglet-ner and similar (fine varieties):</i>        |                         |                           |               |                     |
| bearing . . . . .                                      | 664,300                 | 10.6                      | 62,087        | 63                  |
| not bearing . . . . .                                  | 180,350                 | 2.9                       | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>844,650</i>          | <i>13.5</i>               | <i>—</i>      | <i>—</i>            |
| <i>Ghars and similar (soft varieties):</i>             |                         |                           |               |                     |
| bearing . . . . .                                      | 2,621,000               | 41.9                      | 261,844       | 106                 |
| not bearing . . . . .                                  | 516,820                 | 8.2                       | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>3,137,820</i>        | <i>50.1</i>               | <i>—</i>      | <i>—</i>            |
| <i>Deglet-béda and similar (varieties for drying):</i> |                         |                           |               |                     |
| bearing . . . . .                                      | 1,581,800               | 25.3                      | 108,773       | 69                  |
| not bearing . . . . .                                  | 696,780                 | 11.1                      | —             | —                   |
| <i>Total . . . . .</i>                                 | <i>2,278,580</i>        | <i>36.4</i>               | <i>—</i>      | <i>—</i>            |
| <i>All varieties:</i>                                  |                         |                           |               |                     |
| bearing . . . . .                                      | 4,867,100               | 77.8                      | 412,704       | 85                  |
| not bearing . . . . .                                  | 1,395,900               | 22.2                      | —             | —                   |
| <i>Total date-palms . . . . .</i>                      | <i>6,263,000</i>        | <i>100.0</i>              | <i>—</i>      | <i>—</i>            |

(\*). *Annual statistics.* — The information given in Table 10 for total vines is not available in regard to native or European vines. — (1) Production of scattered trees. Citrus cover in the Southern Territories only small areas in widely dispersed plantations. — (2) Total olive production.

## 55. AREA OF CITRUS, NUMBERS OF OLIVE-TREES AND DATE-PALMS BELONGING TO NATIVES AND PRODUCTION IN 1930 (\*) (concluded).

| CLASSIFICATION                                       | WHOLE COUNTRY           |                     |               |              |
|--|-------------------------|---------------------|---------------|--------------|
|  | Area or number of trees |                     | Production    |              |
|  | Absolute data           | Percentage of total | Absolute data | Yield        |
|  | acres                   | %                   | 1000 lb.      | lb. per acre |
| <b>CITRUS:</b>                                       |                         |                     |               |              |
| Oranges . . . . .                                    | 1,871                   | 69.0 (1)            | 7,019         | —            |
| Tangerines and mandarines . . . . .                  | 516                     | 19.1 (1)            | 3,055         | —            |
| Lemons, cedrais and others . . . . .                 | 324                     | 11.9 (1)            | 1,192         | —            |
| <i>Total . . . . .</i>                               | <i>2,711</i>            | <i>100.0 (1)</i>    | <i>11,396</i> | <i>—</i>     |
| <b>OLIVES:</b>                                       |                         |                     |               | lb. per tree |
| <i>Cultivated (planted or grafted)</i>               | <i>number</i>           |                     |               |              |
| bearing . . . . .                                    | 4,684,366               | 82.5 (2)            | 314,892       | 67           |
| not bearing . . . . .                                | 991,854                 | 17.5                | —             | —            |
| <i>Total . . . . .</i>                               | <i>5,676,220</i>        | <i>100.0</i>        | <i>—</i>      | <i>—</i>     |
| Wild (oleasters) . . . . .                           | 3,686,658               | —                   | —             | —            |
| <b>DATE-PALMS:</b>                                   |                         |                     |               |              |
| <i>Deqla-our and similar (fine varieties)</i>        |                         |                     |               |              |
| bearing . . . . .                                    | 743,020                 | 11.0                | 52,237        | 71           |
| not bearing . . . . .                                | 191,411                 | 2.8                 | —             | —            |
| <i>Total . . . . .</i>                               | <i>934,431</i>          | <i>13.8</i>         | <i>—</i>      | <i>—</i>     |
| <i>Glava and similar (soft varieties)</i>            |                         |                     |               |              |
| bearing . . . . .                                    | 2,719,475               | 40.4                | 270,493       | 99           |
| not bearing . . . . .                                | 523,765                 | 7.8                 | —             | —            |
| <i>Total . . . . .</i>                               | <i>3,243,240</i>        | <i>48.2</i>         | <i>—</i>      | <i>—</i>     |
| <i>Deqla-bada and similar (varieties for dryish)</i> |                         |                     |               |              |
| bearing . . . . .                                    | 1,802,891               | 26.8                | 128,865       | 71           |
| not bearing . . . . .                                | 752,578                 | 11.2                | —             | —            |
| <i>Total . . . . .</i>                               | <i>2,555,469</i>        | <i>38.0</i>         | <i>—</i>      | <i>—</i>     |
| <b>All varieties:</b>                                |                         |                     |               |              |
| bearing . . . . .                                    | 5,265,586               | 78.2                | 451,595       | 88           |
| not bearing . . . . .                                | 1,467,754               | 21.8                | —             | —            |
| <i>Total date-palms . . . . .</i>                    | <i>6,733,340</i>        | <i>100.0</i>        | <i>—</i>      | <i>—</i>     |

(\*) *Annuaire statistique.* — The information given in Table 10 for total vines is not available in regard to native or European vines. — (1) Including the production of scattered trees. — (2) Total olive production.

## 56. — PRODUCTION OF NATIVE OLIVICULTURE IN 1930 (\*).

| CLASSIFICATION                 | NORTHERN TERRITORY        | SOUTHERN TERRITORIES      | WHOLE COUNTRY             |
|--------------------------------|---------------------------|---------------------------|---------------------------|
|                                | 1000 lb.                  | 1000 lb.                  | 1000 lb.                  |
| Olive for preserving . . . . . | 7,269                     | 26                        | 7,295                     |
| Olive for oil . . . . .        | 307,532                   | 65                        | 307,597                   |
| <i>Total . . . . .</i>         | <i>314,801</i>            | <i>91</i>                 | <i>314,892</i>            |
|                                | Imp. gallons              | Imp. gallons              | Imp. gallons              |
| Olive-oil . . . . .            | (1) 3,759,777             | (1) 550                   | (1) 3,760,327             |
|                                | Imp. gallons per 1000 lb. | Imp. gallons per 1000 lb. | Imp. gallons per 1000 lb. |
| Oil yield of olives . . . . .  | 12.2                      | 6.5                       | 12.2                      |

(\*) *Annuaire statistique.* — The information given in Table 11 on total wine production is not available in regard to native or European viticulture. — (1) One Imp. gallon weighs on the average about 9 lb.

## 57. — FRUIT AND OTHER TREE CROPS AND NURSERIES BELONGING TO NATIVES IN 1930 (\*).

| CLASSIFICATION                             | NATIVE TERRITORY  |                     |                  |                     |
|--|-------------------|---------------------|------------------|---------------------|
|  | Trees in orchards |                     | Scattered trees  |                     |
|  | Absolute data     | Percentage of total | Absolute data    | Percentage of total |
|  | acres             | %                   | number           | %                   |
| <b>FRUIT TREES:</b>                        |                   |                     |                  |                     |
| Apple and pear . . . . .                   | 1,379             | 1.9                 | 49,058           | 2.3                 |
| Cherry . . . . .                           | 346               | 0.5                 | 21,216           | 1.0                 |
| Apricot . . . . .                          | 776               | 1.0                 | 58,930           | 2.8                 |
| Peach . . . . .                            | 213               | 0.3                 | 47,025           | 2.2                 |
| Almond . . . . .                           | 689               | 0.9                 | 96,692           | 4.5                 |
| Fig . . . . .                              | 69,866            | 95.3                | 1,492,011        | 70.0                |
| Medlar . . . . .                           | 175               | 0.2                 | 15,247           | 0.7                 |
| Plum . . . . .                             | 566               | 0.8                 | 118,154          | 5.5                 |
| Carob . . . . .                            | 22                | 0.03                | 146,936          | 6.6                 |
| Various . . . . .                          | 830               | 1.1                 | 93,713           | 4.4                 |
| <i>Total . . . . .</i>                     | <i>74,884</i>     | <i>100.0</i>        | <i>2,132,962</i> | <i>100.0</i>        |
| <b>SPECIAL TREES AND BUSHES:</b>           |                   |                     |                  |                     |
| Caper . . . . .                            | —                 | —                   | 411,300          | —                   |
| Eucalyptus . . . . .                       | —                 | —                   | 84,333           | —                   |
| <b>NURSERIES FOR YOUNG TREES . . . . .</b> | 240               | —                   | —                | —                   |

(\*) *Statistique quinquennale.*

57. — FRUIT AND OTHER TREE CROPS AND NURSERIES  
BELONGING TO NATIVES IN 1930 (\*) (continued).

| CLASSIFICATION                             | SOUTHERN TERRITORIES |                     |                 |                     |
|--|----------------------|---------------------|-----------------|---------------------|
|  | Trees in orchards    |                     | Scattered trees |                     |
|  | Absolute data        | Percentage of total | Absolute data   | Percentage of total |
|  | acres                | %                   | number          | %                   |
| <b>FRUIT TREES</b>                         |                      |                     |                 |                     |
| Apple and pear . . . . .                   | 22                   | 4.3                 | 2,994           | 2.3                 |
| Cherry . . . . .                           | —                    | —                   | 60              | 0.05                |
| Apricot . . . . .                          | 121                  | 23.7                | 21,762          | 16.4                |
| Peach . . . . .                            | 15                   | 2.9                 | 15,015          | 9.8                 |
| Almond . . . . .                           | 5                    | 1.0                 | 667             | 0.5                 |
| Fig . . . . .                              | 331                  | 64.7                | 71,053          | 55.6                |
| Medlar . . . . .                           | —                    | —                   | 2,261           | 1.7                 |
| Plum . . . . .                             | 15                   | 2.9                 | 1,865           | 1.4                 |
| Carob . . . . .                            | —                    | —                   | 669             | 0.5                 |
| Various . . . . .                          | 2                    | 0.5                 | 18,259          | 13.8                |
| <b>Total . . . . .</b>                     | <b>511</b>           | <b>100.0</b>        | <b>132,670</b>  | <b>100.0</b>        |
| <b>SPECIAL TREES AND BUSHES:</b>           |                      |                     |                 |                     |
| Caper . . . . .                            | —                    | —                   | 1,610           | —                   |
| Eucalyptus . . . . .                       | —                    | —                   | 84              | —                   |
| <b>NURSERIES FOR YOUNG TREES . . . . .</b> | <b>30</b>            | <b>—</b>            | <b>—</b>        | <b>—</b>            |

(\*) Statistique quinquennale.

57. — FRUIT AND OTHER TREE CROPS AND NURSERIES  
BELONGING TO NATIVES IN 1930 (\*) (concluded).

| CLASSIFICATION                             | WHOLE COUNTRY     |                     |                  |                     |
|--|-------------------|---------------------|------------------|---------------------|
|  | Trees in orchards |                     | Scattered trees  |                     |
|  | Absolute data     | Percentage of total | Absolute data    | Percentage of total |
|  | acres             | %                   | number           | %                   |
| <b>FRUIT TREES:</b>                        |                   |                     |                  |                     |
| Apple and pear . . . . .                   | 1,401             | 1.9                 | 52,052           | 2.3                 |
| Cherry . . . . .                           | 346               | 0.5                 | 21,276           | 0.9                 |
| Apricot . . . . .                          | 897               | 1.2                 | 86,692           | 3.6                 |
| Peach . . . . .                            | 228               | 0.3                 | 60,040           | 2.7                 |
| Almond . . . . .                           | 694               | 0.9                 | 97,359           | 4.5                 |
| Fig . . . . .                              | 70,199            | 93.1                | 1,565,064        | 69.0                |
| Medlar . . . . .                           | 175               | 0.2                 | 17,508           | 0.8                 |
| Plum . . . . .                             | 581               | 0.8                 | 120,019          | 5.3                 |
| Carob . . . . .                            | 22                | 0.03                | 141,605          | 6.2                 |
| Various . . . . .                          | 852               | 1.1                 | 112,006          | 4.9                 |
| <b>Total . . . . .</b>                     | <b>75,395</b>     | <b>100.0</b>        | <b>2,265,627</b> | <b>100.0</b>        |
| <b>SPECIAL TREES AND BUSHES:</b>           |                   |                     |                  |                     |
| Caper . . . . .                            | —                 | —                   | 412,310          | —                   |
| Eucalyptus . . . . .                       | —                 | —                   | 84,417           | —                   |
| <b>NURSERIES FOR YOUNG TREES . . . . .</b> | <b>270</b>        | <b>—</b>            | <b>—</b>         | <b>—</b>            |

(\*) Statistique quinquennale.

58. — AGRICULTURAL MACHINERY AND IMPLEMENTS  
ON NATIVE AGRICULTURAL PROPERTIES IN 1930 (\*).

| CLASSIFICATION   | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY  |
|--|--------------------|----------------------|----------------|
|  | number             | number               | number         |
| <b>MACHINES FOR FIELD WORK:</b>                                |                    |                      |                |
| <i>Equipment for digging:</i>                                  |                    |                      |                |
| steam . . . . .  | —                  | 1                    | 1              |
| electric . . . . .   | —                  | —                    | —              |
| <i>Tractors for agriculture and viticulture:</i>               |                    |                      |                |
| under 25 h. p. . . . .   | 265                | 4                    | 269            |
| over 25 h. p. . . . .  | 101                | —                    | 101            |
| not specified . . . . .  | 9                  | —                    | 9              |
| <b>Total . . . . .</b>   | <b>375</b>         | <b>4</b>             | <b>379</b>     |
| <i>Motor ploughs and ploughs driven by stationary engines:</i> |                    |                      |                |
| under 25 h. p. . . . .   | 36                 | —                    | 36             |
| over 25 h. p. . . . .  | 8                  | —                    | 8              |
| <b>Total . . . . .</b>   | <b>44</b>          | <b>—</b>             | <b>44</b>      |
| <i>Ploughs:</i>  |                    |                      |                |
| European type . . . . .  | 82,015             | 5,547                | 87,562         |
| native type . . . . .  | 315,538            | 24,112               | 339,650        |
| <b>Total . . . . .</b>   | <b>397,553</b>     | <b>29,659</b>        | <b>427,212</b> |
| <i>Harrow . . . . .</i>  | <i>27,254</i>      | <i>246</i>           | <i>27,500</i>  |
| <i>Disc pulverizers . . . . .</i>                              | <i>262</i>         | <i>2</i>             | <i>264</i>     |
| <i>Cultivators, Canadian harrows and scarifiers . . . . .</i>  | <i>1,150</i>       | <i>1</i>             | <i>1,151</i>   |
| <i>Ordinary rollers and crosskifs . . . . .</i>                | <i>1,950</i>       | <i>9</i>             | <i>1,959</i>   |
| <b>Sowing machines . . . . .</b>                               | <b>484</b>         | <b>3</b>             | <b>487</b>     |
| <b>HARVESTING MACHINES:</b>                                    |                    |                      |                |
| Mowers . . . . .   | 913                | 2                    | 915            |
| Harvester-binders . . . . .                                    | 3,328              | 6                    | 3,334          |
| Harvester-threshers . . . . .                                  | 13                 | —                    | 13             |
| Cereal threshers . . . . .                                     | 175                | 2                    | 177            |
| <b>TRANSPORT MATERIAL:</b>                                     |                    |                      |                |
| Locomobiles (Steam-engines) . . . . .                          | 120                | —                    | 120            |
| Wagons, trucks and carts . . . . .                             | 12,961             | 107                  | 13,068         |

(\*) Statistique quinquennale.

## 59. — LIVESTOCK BELONGING TO NATIVES ON 31 DECEMBER 1929 (\*).

| CLASSIFICATION                  | NORTHERN TERRITORY |                     | SOUTHERN TERRITORIES |                     | WHOLE COUNTRY |                     |
|---------------------------------|--------------------|---------------------|----------------------|---------------------|---------------|---------------------|
|                                 | Absolute data      | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|                                 | number             | %                   | number               | %                   | number        | %                   |
| <b>HORSES:</b>                  |                    |                     |                      |                     |               |                     |
| Males . . . . .                 | 46,105             | 38.3                | 1,813                | 29.1                | 47,918        | 37.9                |
| Females . . . . .               | 74,172             | 61.7                | 4,420                | 70.9                | 78,592        | 62.1                |
| Total . . . . .                 | 120,277            | 100.0               | 6,233                | 100.0               | 126,510       | 100.0               |
| <b>MULES</b> . . . . .          | 108,454            | —                   | 1,207                | —                   | 109,721       | —                   |
| <b>ASSES</b> . . . . .          | 254,632            | —                   | 41,400               | —                   | 296,032       | —                   |
| <b>CATTLE:</b>                  |                    |                     |                      |                     |               |                     |
| Cows and heifers . . . . .      | 402,722            | 51.8                | 16,693               | 59.6                | 419,423       | 52.1                |
| Oxen and bull-calves . . . . .  | 319,652            | 41.1                | 8,694                | 31.1                | 328,346       | 40.8                |
| Bulls . . . . .                 | 55,028             | 7.1                 | 2,606                | 9.3                 | 57,634        | 7.1                 |
| Total . . . . .                 | 777,402            | 100.0               | 27,999               | 100.0               | 805,401       | 100.0               |
| <b>SHEEP:</b>                   |                    |                     |                      |                     |               |                     |
| Ewes and ewe-lambs . . . . .    | 2,451,816          | 56.6                | 1,437,305            | 61.0                | 3,889,121     | 58.2                |
| Wethers and ram-lambs . . . . . | 1,583,758          | 36.6                | 831,870              | 35.3                | 2,415,628     | 36.1                |
| Rams . . . . .                  | 293,043            | 6.8                 | 85,535               | 3.7                 | 378,578       | 5.7                 |
| Total . . . . .                 | 4,328,617          | 100.0               | 2,354,710            | 100.0               | 6,683,327     | 100.0               |
| <b>GOATS</b> . . . . .          | 2,433,862          | —                   | 766,628              | —                   | 3,200,490     | —                   |
| <b>PIGS (1)</b> . . . . .       | —                  | —                   | —                    | —                   | —             | —                   |
| <b>CAMELS</b> . . . . .         | 45,049             | —                   | 155,950              | —                   | 200,999       | —                   |

(\*) *Annuaire statistique*. — (1) No census made; Moors, as a rule, do not keep pigs.

## 60. — POULTRY AND RABBITS BELONGING TO NATIVES IN 1930 (\*).

| CLASSIFICATION          | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|-------------------------|--------------------|----------------------|---------------|
|                         | number             | number               | number        |
| Fowl . . . . .          | 3,229,272          | 194,300              | 3,423,572     |
| Geese . . . . .         | 12,826             | 55                   | 12,881        |
| Ducks . . . . .         | 21,734             | 309                  | 22,043        |
| Turkeys . . . . .       | 4,106              | 190                  | 4,296         |
| Guinea-fowl . . . . .   | 1,787              | —                    | 1,787         |
| Total poultry . . . . . | 3,269,725          | 194,854              | 3,464,579     |
| Pigeons . . . . .       | 94,536             | 114,012              | 208,548       |
| Rabbits . . . . .       | 71,011             | 82,159               | 153,170       |

(\*) *Statistique quinquennale*.

## 61. — ANIMAL PRODUCTS PRODUCED BY NATIVES IN 1929-30.

| CLASSIFICATION                         | NORTHERN TERRITORY | SOUTHERN TERRITORIES | WHOLE COUNTRY |
|--|--------------------|----------------------|---------------|
| Milk (1) . . . . . Imp. gallons        | 15,727,685         | 6,487,210            | 22,214,895    |
| Butter (1) . . . . . lb.               | 2,477,812          | 1,849,122            | 4,326,934     |
| Cheese (1) . . . . . "                 | 28,539             | 349,566              | 378,105       |
| Greasy wool (2) . . . . . 1000 lb. (3) | 33,042 (3)         | 8,227 (3)            | 41,269        |

(1) *Statistique quinquennale*. — (2) *Annuaire statistique*. — Yield of scoured wool: 45 per cent. — (3) These figures have been shown by subsequent enquiries to be too low, and they are given only to serve as an indication.

## 62. — EXTENT AND PRODUCTION OF NATIVE APICULTURE IN 1930 (\*).

| CLASSIFICATION                   | NORTHERN TERRITORY |                       | SOUTHERN TERRITORIES |                       | WHOLE COUNTRY |                       |
|----------------------------------|--------------------|-----------------------|----------------------|-----------------------|---------------|-----------------------|
|                                  | Absolute data      | Average               | Absolute data        | Average               | Absolute data | Average               |
|                                  | number             | number per bee-keeper | number               | number per bee-keeper | number        | number per bee-keeper |
| NUMBER OF BEE-KEEPERS . . . . .  | 18,178             | —                     | 11                   | —                     | 18,189        | —                     |
| NUMBER OF HIVES IN USE . . . . . | 12,7141            | 7.0                   | 39                   | 3.5                   | 127,180       | 7.0                   |
| <b>PRODUCTION:</b>               | lb.                | lb. per hive          | lb.                  | lb. per hive          | lb.           | lb. per hive          |
| Honey . . . . .                  | 969,896            | 7.6                   | 1,014                | 26.0                  | 970,910       | 7.6                   |
| Wax . . . . .                    | 253,369            | 2.0                   | 176                  | 4.5                   | 253,545       | 2.0                   |

(\*) *Statistique quinquennale*.

## 63. — NUMBER OF MULBERRY TREES BELONGING TO NATIVES IN 1930 (\*).

|                                |        |
|--------------------------------|--------|
| Northern Territory . . . . .   | 14,035 |
| Southern Territories . . . . . | 79     |
| Whole country . . . . .        | 14,114 |

(\*) *Statistique quinquennale*. — Information is not available on native or European sericulture.

## 64. — AGRICULTURAL LABOUR EMPLOYED BY NATIVES (\*).

Natives employ approximately 40 per cent. of the total agricultural labour, including seasonal workers (*shour-tourants* *khannouks* and smallholders: see Table 26). This proportion is estimated approximately on the basis of the cultivated area and the nature of the crops, but excludes stock-rearing, which is mainly done by natives. The more or less general practice of co-operation known as *tarfa* on the one hand, and the type of crops grown by natives and the other primitive methods of cultivation on the other are the reasons for which the labour employed by them is relatively small.

(\*) *Statistique quinquennale*.

EGYPT



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## THE AGRICULTURAL CENSUS IN EGYPT

The Agricultural Census was taken in Egypt for the first time in 1929. All the holdings, however small, were enumerated.

The data of the Census were collected at three different periods, coinciding with the three seasons of the Egyptian agricultural year.

Areas and number of fruit and timber trees were enumerated in February 1929, along with winter crops. All the information on land tenure was also obtained during that month.

In July 1929 summer crops were enumerated as well as livestock, which at that period of the year is practically at its minimum. Livestock owned by farmers not possessing land were also enumerated.

Autumn crops were enumerated in December 1929, together with the most important kinds of agricultural machinery.

The data contained in this Bulletin were obtained from the following sources: *Agricultural Census of Egypt, 1929*, Ministry of Agriculture, Cairo, 1934 (published first in Arabic in 1933) and *Annuaire Statistique de l'Egypte, 1929-30* (in French and Arabic), Statistical Department, Ministry of Finance, Cairo, 1931.

The following are the equivalents in acres of the original measures of area in *feddans*, according to which the holdings have been classified in Table 2

|   |                                 |                               |
|---|---------------------------------|-------------------------------|
|   | Holdings of less than 1.04 acre |                               |
| " | "                               | 1.04 and less than 2.08 acres |
| " | "                               | 2.08 " " " 3.11 "             |
| " | "                               | 3.11 " " " 4.15 "             |
| " | "                               | 4.15 " " " 5.19 "             |
| " | "                               | 5.19 " " " 10.38 "            |
| " | "                               | 10.38 " " " 20.76 "           |
| " | "                               | 20.76 " " " 51.90 "           |
| " | "                               | 51.90 " " " 103.81 "          |
| " | "                               | 103.81 " " " 207.61 "         |
| " | "                               | 207.61 " " " 519.03 "         |
| " | "                               | 519.03 " " " 1,038.06 "       |
| " | "                               | 1,038.06 acres and over.      |

A — GENERAL DATA

## I. — AREA.

## Agricultural survey (zimâm) of Nileic Egypt:

## Total area of holdings:

|  |       |           |
|--|-------|-----------|
| Area of holdings, not including land for public utilities temporarily leased . . . . . | acres | 2,707,725 |
| Area reserved for public utilities but temporarily leased for cultivation . . . . .    | "     | 16,131    |
| Total . . . . .  | "     | 7,723,856 |

|   |   |         |
|---|---|---------|
| Public utility land, uncultivated . . . . . | " | 703,445 |
|---|---|---------|

Total of zimâm (1) . . . . . 8,627,301

|   |   |         |
|---|---|---------|
| Agricultural land of Desertic Egypt . . . . . | " | 525,827 |
|---|---|---------|

|  |   |           |
|--|---|-----------|
| Total area covered by the Census (1) . . . . . | " | 8,953,128 |
|--|---|-----------|

|   |   |             |
|---|---|-------------|
| Total area of the Kingdom of Egypt, approximately . . . . . | " | 252,600,600 |
|---|---|-------------|

(1) Including the waters and islands of the Nile and lakes and the canals but excluding the six Governorates (Caire, Alexandria, Port Said, Damietta, Ismailiya and Suez) and the other towns.

*B* — DATA ON THE ZIMÂM  
OF NILOTIC EGYPT



## 2. NUMBER AND TOTAL AREA OF HOLDINGS ACCORDING TO SIZE (concluded).

| CLASSIFICATION<br>ACCORDING TO SIZE OF HOLDINGS | NUMBER OF HOLDINGS |                             | TOTAL AREA OF HOLDINGS |                     |                             |
|---|--------------------|-----------------------------|------------------------|---------------------|-----------------------------|
|   | Absolute data      | Percentage of general total | Absolute data          | Average per holding | Percentage of general total |
|   | number             | %                           | acres                  | acres               | %                           |
| TOTAL   |                    |                             |                        |                     |                             |
| Holdings of less than 1 feddan                  | 436,673            | 36.0                        | 214,869                | 0.5                 | 2.8                         |
| "  "  1 and less than 2 feddans                 | 283,052            | 23.5                        | 386,202                | 1.4                 | 5.0                         |
| "  "  2 "  "  3 "                               | 145,637            | 12.0                        | 347,050                | 2.4                 | 4.5                         |
| "  "  3 "  "  4 "                               | 86,645             | 7.1                         | 296,259                | 3.4                 | 3.8                         |
| "  "  4 "  "  5 "                               | 54,389             | 4.5                         | 241,289                | 4.5                 | 3.1                         |
| Total holdings of less than 5 feddans           | 1,666,794          | 82.9                        | 1,485,659              | 1.5                 | 19.2                        |
| Holdings of 5 and less than 10 feddans          | 110,980            | 9.1                         | 765,373                | 6.9                 | 9.9                         |
| "  "  10 "  "  20 "                             | 53,154             | 4.4                         | 733,659                | 13.8                | 9.5                         |
| "  "  20 "  "  50 "                             | 27,545             | 2.3                         | 842,305                | 30.6                | 10.9                        |
| Total holdings of 5 to less than 50 feddans     | 191,679            | 15.8                        | 2,341,337              | 12.2                | 30.3                        |
| Holdings of 50 and less than 100 feddans        | 8,377              | 0.7                         | 590,964                | 70.5                | 7.7                         |
| "  "  100 "  "  200 "                           | 3,888              | 0.3                         | 547,952                | 140.9               | 7.1                         |
| "  "  200 "  "  500 "                           | 2,272              | 0.2                         | 705,645                | 310.6               | 9.1                         |
| "  "  500 "  "  1,000 "                         | 574                | 0.1                         | 399,582                | 696.1               | 5.2                         |
| "  "  1,000 feddans and over                    | 351                | 0.03                        | 1,652,707              | 4,993.1             | 21.4                        |
| Total holdings of 50 feddans and over           | 15,462             | 1.3                         | 3,896,850              | 252.4               | 50.5                        |
| General total                                   | 1,213,915          | 100.0                       | 7,723,856              | 6.4                 | 100.0                       |
| Of which:                                       |                    |                             |                        |                     |                             |
| Holdings not including State waste lands        | 1,212,369          | 99.9                        | 6,265,240              | 5.2                 | 81.1                        |
| Holdings of State waste lands                   | 1,546              | 0.1                         | 1,458,616              | 835.4               | 18.9                        |

## 3. — DISTRIBUTION OF THE ZIMÂM ACCORDING TO PROPERTY.

| CLASSIFICATION                                     | LOWER EGYPT   |                             | UPPER EGYPT   |                             | TOTAL         |                             |
|--|---------------|-----------------------------|---------------|-----------------------------|---------------|-----------------------------|
|  | Absolute data | Percentage of general total | Absolute data | Percentage of general total | Absolute data | Percentage of general total |
|  | acres         | %                           | acres         | %                           | acres         | %                           |
| Public utility lands—                              |               |                             |               |                             |               |                             |
| Temporarily leased for cultivation                 | 4,596         | 0.1                         | 11,535        | 0.4                         | 16,131        | 0.2                         |
| Uncultivated                                       | 529,913       | 9.6                         | 173,532       | 5.9                         | 703,445       | 8.3                         |
| Total  | 534,509       | 9.7                         | 185,067       | 6.3                         | 719,576       | 8.5                         |
| Land owned by the State                            | 1,389,358     | 25.2                        | 280,538       | 9.6                         | 1,669,896     | 19.8                        |
| Land owned by Corporations and private persons (1) | 3,581,810     | 65.1                        | 2,456,019     | 84.1                        | 6,037,829     | 71.7                        |
| General total                                      | 5,405,677     | 100.0                       | 2,921,624     | 100.0                       | 8,427,301     | 100.0                       |

(1) Including Waqf land (Aued), land owned by Kamîhs (madris; primary schools for teaching the Koran), or by the Royal Library.

## 4. — DISTRIBUTION OF STATE-OWNED LAND (1), ON 30 APRIL 1929.

| DISTRIBUTION  | Absolute data  | Percentage of total |
|---|--|---------------------|
|   | acres  | %                   |
|   | Land cultivated directly by the State Domain Administration, or given as pension to their agricultural workers | (2) 36,409          |
| Land leased to public Administrations and cultivated by them  | 87,949   | 5.5                 |
| Waste lands, meadows, and pastures included in contracts for the leasing of cultivated areas, for the purpose of preventing encroachments | 310,873  | 19.7                |
| Waste lands not leased  | 1,143,032  | 72.5                |
| Total   | 1,577,363  | 100.0               |

(1) Not including the islands of the Nile and lakes or public utility lands. — (2) Not including the areas occupied by farm buildings.

## 5. — NUMBER OF OWNERS AND AREA OF LAND OWNED BY CORPORATIONS OR PRIVATE PERSONS (1).

| REGIONS     | NUMBER OF OWNERS |                     | AREA          |                   |                     |
|-------------|------------------|---------------------|---------------|-------------------|---------------------|
|             | Absolute data    | Percentage of total | Absolute data | Average per owner | Percentage of total |
|             | number           | %                   | acres         | acres             | %                   |
| Lower Egypt | 1,002,366        | 52.0                | 3,581,810     | 3.3               | 59.3                |
| Upper Egypt | 1,009,009        | 48.0                | 2,456,019     | 2.4               | 40.7                |
| Total       | 2,011,377        | 100.0               | 6,037,829     | 2.9               | 100.0               |

(1) See footnote to Table 3.

## 6. — NUMBER AND TOTAL AREA OF HOLDINGS ACCORDING TO TENURE.

| CLASSIFICATION   | NUMBER OF HOLDINGS |                             | TOTAL AREA OF HOLDINGS |                     |                             |
|--|--------------------|-----------------------------|------------------------|---------------------|-----------------------------|
|  | Absolute data      | Percentage of general total | Absolute data          | Average per holding | Percentage of general total |
|  | number             | %                           | acres                  | acres               | %                           |
| LOWER EGYPT  |                    |                             |                        |                     |                             |
| Holdings owned . . . . .   | 540,678            | 77.7                        | 4,134,471              | 7.6                 | 83.1                        |
| Holdings leased:—  |                    |                             |                        |                     |                             |
| Not including the areas reserved for public utilities but temporarily leased for cultivation . . . . . | 155,322            | 22.3                        | 836,699                | —                   | 16.8                        |
| Areas reserved for public utilities but temporarily leased for cultivation . . . . .                   |                    |                             | 4,596                  | —                   | 0.1                         |
| Total . . . . .  | 155,322            | 22.3                        | 841,295                | 5.4                 | 16.9                        |
| General total . . . . .  | 696,000            | 100.0                       | 4,975,766              | 7.1                 | 100.0                       |
| Of which holdings composed of areas partly owned and partly leased . . . . .                           | 48,844             | 7.0                         | —                      | —                   | —                           |
| Actual number of holdings . . . . .  | 647,156            | 93.0                        | 4,975,766              | 7.7                 | —                           |
| UPPER EGYPT  |                    |                             |                        |                     |                             |
| Holdings owned . . . . .   | 457,712            | 73.9                        | 1,891,852              | 4.1                 | 68.8                        |
| Holdings leased:—  |                    |                             |                        |                     |                             |
| Not including the areas reserved for public utilities but temporarily leased for cultivation . . . . . | 161,395            | 26.1                        | 844,703                | —                   | 30.8                        |
| Areas reserved for public utilities but temporarily leased for cultivation . . . . .                   |                    |                             | 11,535                 | —                   | 0.4                         |
| Total . . . . .  | 161,395            | 26.1                        | 856,238                | 5.3                 | 31.2                        |
| General total . . . . .  | 619,107            | 100.0                       | 2,748,090              | 4.4                 | 100.0                       |
| Of which holdings composed of areas partly owned and partly leased . . . . .                           | 52,346             | 8.5                         | —                      | —                   | —                           |
| Actual number of holdings . . . . .  | 566,759            | 91.5                        | 2,748,090              | 4.8                 | —                           |
| TOTAL  |                    |                             |                        |                     |                             |
| Holdings owned . . . . .   | 998,390            | 75.9                        | 6,026,323              | 6.0                 | 78.0                        |
| Holdings leased:—  |                    |                             |                        |                     |                             |
| Not including the areas reserved for public utilities but temporarily leased for cultivation . . . . . | 316,715            | 24.1                        | 1,681,404              | —                   | 21.0                        |
| Areas reserved for public utilities but temporarily leased for cultivation . . . . .                   |                    |                             | 16,131                 | —                   | 0.2                         |
| Total . . . . .  | 316,715            | 24.1                        | 1,697,535              | 5.4                 | 22.0                        |
| General total . . . . .  | 1,315,105          | 100.0                       | 7,723,856              | 5.9                 | 100.0                       |
| Of which holdings composed of areas partly owned and partly leased . . . . .                           | 101,190            | 7.7                         | —                      | —                   | —                           |
| Actual number of holdings . . . . .  | 1,213,915          | 92.3                        | 7,723,856              | 6.4                 | —                           |

## 7. — UTILIZATION OF THE ZIMÂM.

| CLASSIFICATION  | Lower Egypt   |                             | Upper Egypt   |                             | Total         |                             |
|---|---------------|-----------------------------|---------------|-----------------------------|---------------|-----------------------------|
|   | Absolute data | Percentage of general total | Absolute data | Percentage of general total | Absolute data | Percentage of general total |
|   | acres         | %                           | acres         | %                           | acres         | %                           |
| <b>CULTIVATED AREAS</b>   |               |                             |               |                             |               |                             |
| Arable land (crops and vegetables) . . . . .  | 3,343,815     | 60.7                        | 2,373,405     | 81.1                        | 5,717,220     | 67.9                        |
| Fruit trees . . . . .   | 31,487        | 0.6                         | 24,848        | 0.9                         | 56,335        | 0.7                         |
| Timber trees . . . . .  | 1,077         | 0.02                        | 1,688         | 0.1                         | 2,765         | 0.03                        |
| Pastures . . . . .  | 37,741        | 0.7                         | 7,353         | 0.3                         | 45,094        | 0.5                         |
| Total of cultivated areas . . . . .   | 3,414,120     | 62.0                        | 2,407,294     | 82.4                        | 5,821,414     | 69.1                        |
| Of which areas reserved for public utility but temporarily leased for cultivation . . . . . | 4,596         | 0.1                         | 11,535        | 0.4                         | 16,131        | 0.2                         |
| <b>UNCULTIVATED AREAS</b>   |               |                             |               |                             |               |                             |
| Fonds . . . . .   | 13,186        | 0.2                         | 2,778         | 0.1                         | 15,964        | 0.2                         |
| Waste . . . . .   |               |                             |               |                             |               |                             |
| State waste land . . . . .  | 1,344,535     | 22.6                        | 214,072       | 7.3                         | 1,458,607     | 17.3                        |
| Other . . . . .   | 289,006       | 5.3                         | 139,979       | 4.7                         | 428,985       | 4.9                         |
| Total . . . . .   | 1,533,541     | 27.9                        | 354,051       | 11.4                        | 1,887,592     | 22.2                        |
| Land reserved for public utilities . . . . .  | 523,913       | 9.6                         | 173,532       | 5.9                         | 705,445       | 8.3                         |
| Areas occupied by buildings, etc. . . . .   | 14,917        | 0.3                         | 3,969         | 0.2                         | 18,886        | 0.2                         |
| Total of uncultivated areas . . . . .   | 2,091,357     | 38.0                        | 516,570       | 17.6                        | 2,607,927     | 30.9                        |
| General total . . . . .   | 5,505,672     | 100.0                       | 2,921,824     | 100.0                       | 8,427,301     | 100.0                       |

8. — UTILIZATION OF ARABLE LAND DURING THE THREE SEASONS OF THE AGRICULTURAL YEAR <sup>(1)</sup>.

| CLASSIFICATION  | Lower Egypt   |                             | Upper Egypt   |                             | Total         |                             |
|---|---------------|-----------------------------|---------------|-----------------------------|---------------|-----------------------------|
|   | Absolute data | Percentage of general total | Absolute data | Percentage of general total | Absolute data | Percentage of general total |
|   | acres         | %                           | acres         | %                           | acres         | %                           |
| Area of arable land . . . . .   | 3,343,815     | 59.1                        | 2,373,405     | 63.1                        | 5,717,220     | 60.7                        |
| Area of crops harvested on the same land from which a first crop has already been harvested during the same agricultural year . . . . . | 2,314,872     | 40.9                        | 1,387,977     | 36.9                        | 3,702,849     | 39.3                        |
| Total area of harvested crops . . . . .   | 5,658,687     | 100.0                       | 3,761,382     | 100.0                       | 9,420,069     | 100.0                       |
| <b>Nilv season (Autumn and Winter)—</b>   |               |                             |               |                             |               |                             |
| Areas under crops excluding vegetables (2) . . . . .  | 1,369,204     | 24.2                        | 676,646       | 18.0                        | 2,045,850     | 21.7                        |
| Areas under vegetables . . . . .  | 20,443        | 0.3                         | 10,534        | 0.3                         | 30,977        | 0.3                         |
| Total . . . . .   | 1,389,647     | 24.5                        | 687,180       | 18.3                        | 2,076,827     | 22.0                        |
| <b>Siatal season (Winter and Spring)—</b>   |               |                             |               |                             |               |                             |
| Areas under crops excluding vegetables (3) . . . . .  | 2,330,193     | 41.2                        | 1,853,557     | 49.3                        | 4,183,750     | 44.4                        |
| Areas under vegetables . . . . .  | 26,752        | 0.5                         | (4) 74,583    | 2.0                         | 101,335       | 1.1                         |
| Total . . . . .   | 2,356,945     | 41.7                        | 1,928,140     | 51.3                        | 4,285,085     | 45.5                        |
| <b>Soft season (Spring and Summer)—</b>   |               |                             |               |                             |               |                             |
| Areas under crops excluding vegetables (5) . . . . .  | 1,850,004     | 33.0                        | 1,114,133     | 29.6                        | 2,964,137     | 31.7                        |
| Areas under vegetables . . . . .  | 43,091        | 0.8                         | 31,920        | 0.8                         | 75,011        | 0.8                         |
| Total . . . . .   | 1,912,095     | 33.8                        | 1,146,053     | 30.4                        | 3,058,157     | 32.5                        |
| <b>Agricultural year (1 Sept. to 31 Aug.)—</b>  |               |                             |               |                             |               |                             |
| Areas under crops excluding vegetables . . . . .  | 5,548,401     | 98.4                        | 3,644,336     | 96.9                        | 9,212,737     | 97.6                        |
| Areas under vegetables . . . . .  | 90,286        | 1.6                         | 117,046       | 3.1                         | 207,332       | 2.2                         |
| General total . . . . .   | 5,638,687     | 100.0                       | 3,761,382     | 100.0                       | 9,420,069     | 100.0                       |

(1) The Census of areas under *Sibesi* crops was taken during February 1929 and that of areas under *Soft* crops during July of the same year, so that both refer to the agricultural year 1928-29, while the Census of areas under *Nilv* crops refers to the agricultural year 1929-30, having been taken during December 1929. — (2) Maize, great millet, rice, etc. — (3) Wheat, barley, beans, clover (*Genin*) and alfalfa (*Asfat*), fennugreek (*Shab*), flax, lentils, lupines, etc. — (4) Mainly onions, cultivated as a crop. — (5) Cotton, sugar-cane, rice, great millet, maize, groundnuts, sesame, etc.



## 9. — UTILIZATION OF ARABLE LAND IN 1929.

| CLASSIFICATION                                      | AREA      |            | PRODUCTION |          |
|---|-----------|------------|------------|----------|
|   | Absolute  | Percentage | Quantity   | Yield    |
|   | data      | of         | Invested   | per acre |
|   | acres     | %          | 1,000 lb.  | lb.      |
| LOWER EGYPT   |           |            |            |          |
| <b>CROPS</b>  |           |            |            |          |
| <b>CEREALS</b>                                      |           |            |            |          |
| Wheat . . . . .                                     | 878,739   | 15.5       | 1,628,825  | 1,854    |
| Wheat straw . . . . .                               | —         | —          | 2,317,567  | 2,637    |
| Barley . . . . .                                    | 165,763   | 2.9        | 283,251    | 1,709    |
| Mais, Soft and Nil . . . . .                        | 1,468,725 | 26.5       | 3,370,543  | 2,270    |
| Great Millet, Soft . . . . .                        | 7,072     | 0.1        | 18,034     | 2,550    |
| Great Millet, Nil . . . . .                         | 8,076     | 0.2        | —          | —        |
| Great Millet, total . . . . .                       | 15,148    | 0.3        | —          | —        |
| Rice, Soft, rough . . . . .                         | 394,075   | 7.0        | 3,028,721  | 7,686    |
| Rice, Nil, rough . . . . .                          | 24,486    | 0.4        | —          | —        |
| Rice, total . . . . .                               | 418,567   | 7.4        | —          | —        |
| Cereals, total . . . . .                            | 2,966,936 | 52.4       | —          | —        |
| <b>LEGUMINOUS PLANTS FOR GRAIN</b>                  |           |            |            |          |
| Beans . . . . .                                     | 161,649   | 2.8        | 276,835    | 1,715    |
| Beans straw . . . . .                               | —         | —          | 264,445    | 1,638    |
| Chick-peas . . . . .                                | 259       | 0.005      | 331        | 1,278    |
| Fenugreek (Bakla) . . . . .                         | 32,253    | 0.6        | 25,243     | 783      |
| Lentils . . . . .                                   | 220       | 0.004      | 176        | 800      |
| Lupins (Gornib) . . . . .                           | 5,953     | 0.1        | 4,487      | 755      |
| Other leguminous plants for grain . . . . .         | 10,524    | 0.2        | —          | —        |
| Total . . . . .                                     | 210,638   | 3.7        | —          | —        |
| <b>LEGUMINOUS PLANTS FOR HAY OR GREEN FODDER</b>    |           |            |            |          |
| Clover (Bersib) . . . . .                           | 1,067,583 | 18.9       | —          | —        |
| Vetch (ashid) and alfalfa (Bersib haredi) . . . . . | 6,936     | 0.1        | —          | —        |
| Total . . . . .                                     | 1,074,519 | 19.0       | —          | —        |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                |           |            |            |          |
| Cotton, ginned (including Scaris) . . . . .         | 1,264,509 | 22.4       | 427,478    | 338      |
| Cottonseed . . . . .                                | —         | —          | 867,169    | 686      |
| Flax, dried stalks . . . . .                        | —         | —          | 22,157     | 3,554    |
| Linseed . . . . .                                   | 6,217     | 0.1        | 5,480      | 883      |
| Groundnuts, in the shell . . . . .                  | 23,320    | 0.4        | 35,539     | 1,511    |
| Sesame . . . . .                                    | 15,435    | 0.3        | 9,678      | 627      |
| Henna . . . . .                                     | 877       | 0.02       | 1,191      | 1,368    |
| Safflower (artaban) or Bastard safflower . . . . .  | 74        | 0.001      | 22         | 297      |
| Sugar-cane . . . . .                                | 5,466     | 0.1        | 305,033    | 53,876   |
| Total . . . . .                                     | 1,316,288 | 23.3       | —          | —        |
| Total areas under crops . . . . .                   | 5,568,401 | 92.4       | —          | —        |

## 9. — UTILIZATION OF ARABLE LAND IN 1929 (continued).

| CLASSIFICATION  | AREA      |            | PRODUCTION |          |
|---|-----------|------------|------------|----------|
|   | Absolute  | Percentage | Quantity   | Yield    |
|   | data      | of         | Invested   | per acre |
|   | acres     | %          | 1,000 lb.  | lb.      |
| LOWER EGYPT   |           |            |            |          |
| <b>VEGETABLES</b>                                     |           |            |            |          |
| Carrots . . . . .                                     | 563       | 0.01       | 8,069      | 14,332   |
| Sweet potatoes . . . . .                              | 1,559     | 0.03       | 15,675     | 10,055   |
| Turnips . . . . .                                     | 813       | 0.01       | 7,760      | 9,545    |
| Colocasia, or Taro . . . . .                          | 1,386     | 0.03       | 17,130     | 12,359   |
| Garlic . . . . .                                      | 865       | 0.02       | 8,245      | 9,532    |
| Potatoes, Nil . . . . .                               | —         | —          | —          | 9,064    |
| Potatoes, Statut . . . . .                            | 4,740     | 0.1        | 54,256     | 13,649   |
| Cosmos garden look . . . . .                          | 390       | 0.01       | 2,050      | 5,256    |
| Jews' Mallow (Cochlosia althorica) . . . . .          | 346       | 0.01       | 5,798      | 16,757   |
| Cosmos Mallow, small-flowered . . . . .               | 766       | 0.01       | 8,774      | 11,454   |
| Spinach . . . . .                                     | 203       | 0.004      | 1,455      | 7,167    |
| Cucumber . . . . .                                    | 759       | 0.01       | 3,263      | 4,299    |
| Egg-plant . . . . .                                   | 2,414     | 0.04       | 34,569     | 14,330   |
| French beans, or haricots . . . . .                   | 425       | 0.01       | 2,822      | 6,640    |
| Black-eyed beans (Bakia) . . . . .                    | 813       | 0.01       | 1,191      | 1,465    |
| Garbanos, or Olives (Bania) . . . . .                 | 1,792     | 0.04       | 17,086     | 9,535    |
| Pepper (Cassava) . . . . .                            | 1,127     | 0.02       | 14,529     | 12,892   |
| Tomatoes, Soft . . . . .                              | —         | —          | —          | 10,117   |
| Tomatoes, Nil . . . . .                               | 24,289    | 0.4        | 312,264    | 16,701   |
| Tomatoes, Statut . . . . .                            | —         | —          | —          | 10,206   |
| Vegetable marrow and pumpkins, Soft . . . . .         | —         | —          | —          | 14,609   |
| Vegetable marrow and pumpkins, Nil . . . . .          | 2,782     | 0.05       | 43,916     | 16,701   |
| Onions (cultivated locally as a field crop) . . . . . | 6,753     | 0.1        | 132,168    | 19,572   |
| Cruciferous . . . . .                                 | 647       | 0.01       | 2,492,800  | 3,852    |
| Cabbages . . . . .                                    | 2,444     | 0.04       | 10,451,000 | 4,276    |
| Great gourd . . . . .                                 | 141       | 0.002      | 202,500    | 1,436    |
| Sweet melons (var. Dudain aegyptica) . . . . .        | —         | —          | —          | 2,408    |
| Sweet melons, other varieties . . . . .               | 3,756     | 0.1        | 4,897,500  | 3,372    |
| Water melons, Statut . . . . .                        | —         | —          | —          | 1,686    |
| Water melons, Soft . . . . .                          | 18,474    | 0.3        | 38,050,500 | 2,167    |
| Other vegetables . . . . .                            | 12,089    | 0.2        | —          | —        |
| Total areas under vegetables . . . . .                | 90,266    | 1.6        | —          | —        |
| General total . . . . .                               | 5,658,687 | 100.0      | —          | —        |

## 9. — UTILIZATION OF ARABLE LAND IN 1929 (continued).

| CLASSIFICATION   | Area          |                             | Production         |                |
|--|---------------|-----------------------------|--------------------|----------------|
|  | Absolute data | Percentage of general total | Quantity harvested | Yield per acre |
|  | acres         | %                           | 1,000 lb.          | lb.            |
| UPPER EGYPT  |               |                             |                    |                |
| <b>CROPS</b>   |               |                             |                    |                |
| <b>CEREALS</b>   |               |                             |                    |                |
| Wheat  | 669,915       | 17.9                        | 1,247,997          | 1,863          |
| Wheat straw  | —             | —                           | 1,627,458          | 2,429          |
| Barley   | 147,153       | 3.9                         | 275,116            | 1,870          |
| Maize, <i>Sof</i> and <i>Nil</i>                         | 639,162       | 17.0                        | 1,375,491          | 2,152          |
| Great Millet, <i>Sof</i>                                 | 332,191       | 8.8                         | 1,149,384          | 3,442          |
| Great Millet, <i>Nil</i>                                 | 62,406        | 2.2                         | —                  | 1,695          |
| Great Millet, total                                      | 414,597       | 11.0                        | —                  | —              |
| Rice, <i>Sof</i> , rough                                 | —             | —                           | —                  | —              |
| Rice, <i>Nil</i> , rough                                 | 19,989        | 0.5                         | 80,249             | 4,015          |
| Rice, total  | 19,989        | 0.5                         | —                  | —              |
| Cereals, total   | 1,890,816     | 50.3                        | —                  | —              |
| <b>LEGUMINOUS PLANTS FOR GRAIN</b>                       |               |                             |                    |                |
| Beans  | 347,074       | 9.2                         | 576,621            | 1,661          |
| Beans straw  | —             | —                           | 646,508            | 1,863          |
| Chick-peas   | 2,357         | 0.1                         | 3,064              | 1,300          |
| Fenugreek ( <i>albal</i> )                               | 80,852        | 2.1                         | 93,388             | 1,155          |
| Lentils  | 65,981        | 1.8                         | 82,960             | 1,257          |
| Lupina ( <i>terrah</i> )                                 | 11,053        | 0.3                         | 11,795             | 1,067          |
| Other leguminous plants for grain                        | 26,088        | 0.7                         | —                  | —              |
| Total  | 533,397       | 14.2                        | —                  | —              |
| <b>LEGUMINOUS PLANTS FOR HAY OR GREEN FODDER</b>         |               |                             |                    |                |
| Clover ( <i>berbi</i> )                                  | 495,540       | 13.2                        | —                  | —              |
| Vetch ( <i>akka</i> ) and alfalfa ( <i>berbi Aspid</i> ) | 16,534        | 0.4                         | —                  | —              |
| Total  | 511,874       | 13.6                        | —                  | —              |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>                     |               |                             |                    |                |
| Cotton, ginned (including <i>Sof</i> )                   | 647,047       | 17.2                        | 352,851            | 545            |
| Cottonseed   | —             | —                           | 716,439            | 1,107          |
| Flax, dried stalks                                       | —             | —                           | 7,738              | 3,701          |
| Flax, dried stalks                                       | 2,091         | 0.1                         | 1,786              | 854            |
| Linseed  | —             | —                           | 2,491              | 983            |
| Cucumbers, in the shell                                  | 2,533         | 0.1                         | 2,469              | 723            |
| Sesame   | 3,415         | 0.1                         | 2,469              | 723            |
| Henna  | 479           | 0.01                        | 728                | 1,520          |
| Safflower ( <i>qirion</i> ) or Bastard safflower         | 670           | 0.02                        | 441                | 658            |
| Sugar-cane   | 52,014        | 1.3                         | 3,243,363          | 62,356         |
| Total  | 708,249       | 18.4                        | —                  | —              |
| Total area under crops                                   | 3,644,336     | 95.9                        | —                  | —              |

## 9. — UTILIZATION OF ARABLE LAND IN 1929 (continued).

| CLASSIFICATION                                 | Area          |                             | Production         |                |
|--|---------------|-----------------------------|--------------------|----------------|
|  | Absolute data | Percentage of general total | Quantity harvested | Yield per acre |
|  | acres         | %                           | 1,000 lb.          | lb.            |
| UPPER EGYPT                                    |               |                             |                    |                |
| <b>VEGETABLES</b>                              |               |                             |                    |                |
| Carrots  | 213           | 0.01                        | 3,064              | 14,385         |
| Sweet potatoes                                 | 1,023         | 0.03                        | 8,796              | 8,598          |
| Turnips  | 299           | 0.01                        | 2,866              | 9,585          |
| Colocasia, or Taro                             | 210           | 0.01                        | 1,786              | 8,505          |
| Garlic   | 366           | 0.01                        | 3,505              | 9,577          |
| Potatoes, <i>Nil</i>                           | —             | —                           | —                  | 9,064          |
| Potatoes, <i>Sof</i>                           | 4,366         | 0.1                         | 48,833             | 16,121         |
| Common garden leek                             | 84            | 0.002                       | 463                | 5,512          |
| Jew's Mallow ( <i>Cerithium albitata</i> )     | 1,379         | 0.03                        | 23,038             | 16,706         |
| Common Mallow, small-flowered                  | 207           | 0.01                        | 3,020              | 11,311         |
| Spinach  | 423           | 0.01                        | 3,020              | 7,139          |
| Cucumber                                       | 1,455         | 0.04                        | 6,239              | 4,288          |
| Egg-plant                                      | 694           | 0.02                        | 9,965              | 14,359         |
| French beans, or haricots                      | 168           | 0.004                       | 1,124              | 6,690          |
| Black-eyed beans ( <i>labia</i> )              | 1,782         | 0.05                        | 2,601              | 1,460          |
| Gombo, or Okra ( <i>Asasia</i> )               | 1,774         | 0.05                        | 16,932             | 9,545          |
| Pepper ( <i>Capsicum</i> )                     | 262           | 0.01                        | 3,373              | 12,874         |
| Tomatoes, <i>Sof</i>                           | —             | —                           | —                  | 7,155          |
| Tomatoes, <i>Nil</i>                           | 9,489         | 0.3                         | 122,489            | 16,701         |
| Tomatoes, <i>Sof</i>                           | —             | —                           | —                  | 11,732         |
| Vegetable marrow and pumpkin, <i>Sof</i>       | —             | —                           | —                  | 12,499         |
| Vegetable marrow and pumpkin, <i>Nil</i>       | 1,117         | 0.03                        | 16,932             | 16,701         |
| Onions (cultivated locally as a field crop)    | 50,771        | 1.3                         | 781,998            | 13,827         |
|  |               |                             | number             | number         |
| Cauliflowers                                   | 235           | 0.01                        | 908,080            | 3,864          |
| Cabbage  | 546           | 0.01                        | 2,366,090          | 4,333          |
| Great card                                     | 27            | 0.001                       | 40,500             | 1,500          |
| Sweet melons ( <i>var. Dolbin aegyptiaca</i> ) | —             | —                           | 7,815,000          | 2,408          |
| Sweet melons, other varieties                  | 10,969        | 0.3                         | 26,040,000         | 3,372          |
| Water melons, <i>Sof</i>                       | —             | —                           | —                  | 1,697          |
| Water melons, <i>Sof</i>                       | 21,432        | 0.6                         | 42,605,600         | 2,167          |
| Other vegetables                               | 7,495         | 0.2                         | —                  | —              |
| Total area under vegetables                    | 117,646       | 3.1                         | —                  | —              |
| General total                                  | 3,761,982     | 100.0                       | —                  | —              |

## 9. — UTILIZATION OF ARABLE LAND IN 1929 (continued).

| CLASSIFICATION                                  | Area          |                             | Production         |                |
|---|---------------|-----------------------------|--------------------|----------------|
|   | Absolute data | Percentage of general total | Quantity harvested | Yield per acre |
|   |               |                             |                    |                |
| <b>TOTAL</b>                                    |               |                             |                    |                |
| <b>Cereals</b>                                  |               |                             |                    |                |
| Wheat   | 1,548,654     | 16.4                        | 2,876,822          | 1,859          |
| Wheat straw                                     | —             | —                           | 3,944,965          | 2,547          |
| Barley  | 312,916       | 3.3                         | 558,367            | 1,784          |
| Maize, Soft and Nil                             | 2,127,887     | 22.6                        | 4,795,034          | 2,235          |
| Great Millet, Soft                              | 339,263       | 3.6                         | —                  | 2,962          |
| Great Millet, Nil                               | 96,462        | 1.0                         | 1,167,418          | 1,695          |
| Great Millet, total                             | 435,725       | 4.6                         | —                  | —              |
| Rice, Soft, rough                               | 394,075       | 4.2                         | 3,108,970          | 7,264          |
| Rice, Nil, rough                                | 44,475        | 0.5                         | —                  | 4,000          |
| Rice, total                                     | 438,550       | 4.7                         | —                  | —              |
| Cereals, total                                  | 6,857,757     | 57.6                        | —                  | —              |
| <b>LEGUMINOUS PLANTS FOR GRAIN</b>              |               |                             |                    |                |
| Beans   | 508,523       | 5.4                         | 853,456            | 1,678          |
| Beans straw                                     | —             | —                           | 910,953            | 1,791          |
| Chick-peas                                      | 2,616         | 0.03                        | 3,395              | 1,290          |
| Fenugreek (baba)                                | 113,105       | 1.2                         | 118,631            | 1,049          |
| Lentils   | 68,201        | 0.7                         | 83,136             | 1,256          |
| Lupinus (faraf)                                 | 17,096        | 0.2                         | 16,282             | 958            |
| Other leguminous plants for grain               | 36,604        | 0.4                         | —                  | —              |
| Total   | 744,055       | 7.9                         | —                  | —              |
| <b>LEGUMINOUS PLANTS FOR HAY OR GREEN FOODS</b> |               |                             |                    |                |
| Clover (berai)                                  | 1,563,123     | 16.6                        | —                  | —              |
| Vetch (gibbi) and alfalfa (berai khat)          | 23,270        | 0.2                         | —                  | —              |
| Total   | 1,586,393     | 16.8                        | —                  | —              |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>            |               |                             |                    |                |
| Cotton, ginned (including Scarfo)               | 1,911,556     | 20.3                        | 790,329            | 418            |
| Cottonseed                                      | —             | —                           | 1,583,608          | 828            |
| Flax, dried stalks                              | —             | —                           | 29,895             | 3,598          |
| Linseed   | 8,308         | 0.1                         | 7,276              | 856            |
| Gourdnuts, in the shell                         | 26,053        | 0.3                         | 38,030             | 1,460          |
| Sesame  | 18,040        | 0.2                         | 12,147             | 645            |
| Henna   | 1,356         | 0.01                        | 1,919              | 1,413          |
| Safflower (saffron) or Mustard saffron          | 744           | 0.01                        | 463                | 627            |
| Sage-cane                                       | 57,080        | 0.6                         | 3,548,796          | 61,519         |
| Total   | 2,024,537     | 21.5                        | —                  | —              |
| Total area under crops                          | 9,212,737     | 97.6                        | —                  | —              |

## 9. — UTILIZATION OF ARABLE LAND IN 1929 (concluded).

| CLASSIFICATION                              | Area          |                             | Production         |                |
|---|---------------|-----------------------------|--------------------|----------------|
|   | Absolute data | Percentage of general total | Quantity harvested | Yield per acre |
|   |               |                             |                    |                |
| <b>TOTAL</b>                                |               |                             |                    |                |
| <b>VEGETABLES</b>                           |               |                             |                    |                |
| Cucurbit                                    | 776           | 0.01                        | 11,133             | 14,347         |
| Sweet potatoes                              | 2,582         | 0.03                        | 24,471             | 9,478          |
| Turnips                                     | 1,112         | 0.01                        | 10,626             | 9,556          |
| Colocasia, or Taro                          | 1,596         | 0.02                        | 18,916             | 11,852         |
| Garlic                                      | 1,231         | 0.01                        | 11,750             | 9,545          |
| Potatoes, Nil                               | —             | —                           | —                  | 9,064          |
| Potatoes, Shetai                            | 9,106         | 0.1                         | 103,689            | 15,836         |
| Common garden leek                          | 474           | 0.005                       | 2,513              | 5,302          |
| Jew's Mallow (Cordana alitota)              | 1,725         | 0.02                        | 28,836             | 16,717         |
| Common Mallow, small-flowered               | 1,033         | 0.01                        | 11,794             | 11,417         |
| Spinach                                     | 626           | 0.01                        | 4,475              | 7,149          |
| Cucumber                                    | 2,214         | 0.02                        | 9,502              | 4,292          |
| Egg-plant                                   | 3,108         | 0.03                        | 44,534             | 14,329         |
| French beans, or haricots                   | 593           | 0.01                        | 3,946              | 6,654          |
| Black-eyed beans (babia)                    | 2,595         | 0.03                        | 3,792              | 1,461          |
| Garden, or Okra (bania)                     | 3,566         | 0.04                        | 34,018             | 9,540          |
| Pepper (Capsicum)                           | 1,389         | 0.01                        | 17,902             | 12,888         |
| Tomatoes, Soft                              | —             | —                           | —                  | 9,064          |
| Tomatoes, Nil                               | 33,770        | 0.4                         | 434,753            | 16,701         |
| Tomatoes, Shetai                            | —             | —                           | —                  | 10,590         |
| Vegetable marrow and pumpkin, Soft          | —             | —                           | —                  | 13,638         |
| Vegetable marrow and pumpkin, Nil           | 3,899         | 0.04                        | 60,848             | 16,701         |
| Onions (cultivated locally as a field crop) | 57,524        | 0.6                         | 834,166            | 14,501         |
| Cauliflowers                                | 882           | 0.01                        | 3,400,000          | 3,855          |
| Cabbages                                    | 2,990         | 0.03                        | 12,817,000         | 4,287          |
| Green gourd                                 | 168           | 0.002                       | 243,800            | 1,446          |
| Sweet melons, (var. Dardim egyptica)        | —             | —                           | 12,512,500         | 2,408          |
| Sweet melons, other varieties               | 14,725        | 0.2                         | 32,126,500         | 3,372          |
| Water melons, Shetai                        | —             | —                           | —                  | 1,694          |
| Water melons, Soft                          | 39,856        | 0.4                         | 80,656,100         | 2,167          |
| Other vegetables                            | 19,784        | 0.2                         | —                  | —              |
| Total area under vegetables                 | 207,332       | 2.2                         | —                  | —              |
| General total                               | 9,420,069     | 100.0                       | —                  | —              |

10. — AREA OF COTTON IN JULY 1929 ACCORDING TO VARIETY.

| VARIETIES             | Lower Egypt      |                     | Upper Egypt    |                     | Total            |                     |
|-----------------------|------------------|---------------------|----------------|---------------------|------------------|---------------------|
|                       | Absolute data    | Percentage of total | Absolute data  | Percentage of total | Absolute data    | Percentage of total |
|                       | acres            | %                   | acres          | %                   | acres            | %                   |
| Sakellaridis .....    | 873,468          | 69.1                | 6,751          | 1.1                 | 880,219          | 46.0                |
| Ashrafai .....        | 3,375            | 0.3                 | 431,672        | 66.7                | 435,047          | 22.8                |
| Zaghr .....           | 197,277          | 15.6                | 262,343        | 31.3                | 399,620          | 20.9                |
| Pillan .....          | 90,835           | 7.2                 | 34             | 0.01                | 90,869           | 4.8                 |
| Nakda .....           | 45,861           | 3.6                 | 156            | 0.02                | 46,017           | 2.4                 |
| Ma'rad .....          | 22,307           | 1.8                 | 62             | 0.01                | 22,369           | 1.3                 |
| Fu'ad .....           | 14,036           | 1.1                 | —              | —                   | 14,036           | 0.7                 |
| Camili .....          | 11,832           | 0.9                 | —              | —                   | 11,832           | 0.6                 |
| Other varieties ..... | 5,518            | 0.4                 | 6,029          | 0.9                 | 11,547           | 0.6                 |
| <b>Total</b> . . .    | <b>1,264,509</b> | <b>100.0</b>        | <b>647,947</b> | <b>100.0</b>        | <b>1,912,456</b> | <b>100.0</b>        |

11. — FRUIT AND TIMBER TREES.

| CLASSIFICATION                               | ON HOLDINGS   |                             |                  |                          |                  |                                   | Trees not on holdings | Total             |
|--|---------------|-----------------------------|------------------|--------------------------|------------------|-----------------------------------|-----------------------|-------------------|
|  | Area          |                             | Trees            |                          |                  |                                   |                       |                   |
|  | Absolute data | Percentage of general total | In plantation    |                          | Dispersed        | Total number of trees on holdings |                       |                   |
|  |               |                             | Absolute data    | Average density per acre |                  |                                   |                       |                   |
| acres  | %             | number                      | number           | number                   | number           | number                            | number                |                   |
| LOWER EGYPT.                                 |               |                             |                  |                          |                  |                                   |                       |                   |
| FRUIT TREES                                  |               |                             |                  |                          |                  |                                   |                       |                   |
| Apples .....                                 | 59            | 0.2                         | 10,000           | 169                      | 4,100            | 14,100                            | 100                   | 14,200            |
| Apricots .....                               | 615           | 2.0                         | 86,900           | 136                      | 9,700            | 94,600                            | 200                   | 94,800            |
| Bananas .....                                | 771           | 2.4                         | 279,800          | 363                      | 11,200           | 291,000                           | 900                   | 291,900           |
| Citrus:                                      |               |                             |                  |                          |                  |                                   |                       |                   |
| Bitter oranges .....                         | 272           | 0.9                         | 62,400           | 229                      | 37,700           | 100,100                           | 3,899                 | 103,999           |
| Lemons (Adulfa) .....                        | 62            | 0.2                         | 6,100            | 98                       | 7,400            | 13,500                            | 500                   | 14,000            |
| Limes (Baladi) .....                         | 1,527         | 4.8                         | 392,800          | 257                      | 29,700           | 422,500                           | 1,600                 | 424,100           |
| Lemons, sweet .....                          | 227           | 0.7                         | 23,100           | 102                      | 16,300           | 39,400                            | 400                   | 39,800            |
| Mandarins .....                              | 4,250         | 13.5                        | 1,077,600        | 254                      | 140,800          | 1,218,400                         | 1,800                 | 1,220,200         |
| Oranges .....                                | 5,316         | 16.9                        | 1,226,500        | 231                      | 42,300           | 1,268,800                         | 3,600                 | 1,272,400         |
| <b>Total Citrus</b> . . .                    | <b>11,648</b> | <b>37.0</b>                 | <b>2,788,500</b> | <b>299</b>               | <b>274,200</b>   | <b>3,062,700</b>                  | <b>11,700</b>         | <b>3,074,400</b>  |
| Date-palms .....                             | 11,125        | 35.3                        | 1,265,000        | 114                      | 393,500          | 1,658,500                         | 100                   | 1,658,600         |
| Figs .....                                   | 1,110         | 3.5                         | 462,700          | 399                      | 14,500           | 457,200                           | 400                   | 457,600           |
| Guanas .....                                 | 1,969         | 6.3                         | 410,300          | 212                      | 63,000           | 461,300                           | 2,200                 | 463,500           |
| Mangoes .....                                | 675           | 2.2                         | 76,200           | 113                      | 17,600           | 93,800                            | 200                   | 94,000            |
| Olives .....                                 | 195           | 0.6                         | 27,400           | 141                      | 7,300            | 34,700                            | —                     | 34,700            |
| Peaches .....                                | 240           | 0.8                         | 37,100           | 155                      | 37,400           | 74,500                            | 200                   | 74,700            |
| Pears .....                                  | 27            | 0.1                         | 4,700            | 174                      | 4,800            | 9,500                             | —                     | 9,500             |
| Plums .....                                  | 74            | 0.2                         | 9,200            | 124                      | 6,700            | 15,900                            | 400                   | 16,300            |
| Pomegranates .....                           | 74            | 0.2                         | 11,400           | 154                      | 12,700           | 24,100                            | 200                   | 24,300            |
| Vines .....                                  | 2,469         | 7.8                         | 1,355,300        | 549                      | 36,400           | 1,391,700                         | 2,700                 | 1,394,400         |
| Other fruits .....                           | 436           | 1.4                         | 110,200          | 253                      | 8,400            | 118,600                           | 900                   | 119,500           |
| <b>General total</b> . . .                   | <b>31,487</b> | <b>100.0</b>                | <b>6,920,700</b> | <b>220</b>               | <b>991,500</b>   | <b>7,822,200</b>                  | <b>20,200</b>         | <b>7,842,400</b>  |
| TIMBER TREES                                 |               |                             |                  |                          |                  |                                   |                       |                   |
| Acacia, or Gum arabic tree .....             | 128           | 11.9                        | 14,800           | 116                      | 561,300          | 576,100                           | 21,500                | 597,600           |
| Albizia lebbek L. ....                       | 25            | 2.3                         | 2,200            | 88                       | 13,500           | 15,700                            | 1,900                 | 17,600            |
| Campob .....                                 | 153           | 14.1                        | 14,200           | 93                       | 163,900          | 178,100                           | 32,800                | 210,900           |
| Casuarina .....                              | 277           | 25.8                        | 31,500           | 113                      | 379,600          | 411,100                           | 37,400                | 448,500           |
| Mallory, white and black .....               | 91            | 8.4                         | 14,200           | 156                      | 306,400          | 322,600                           | 10,200                | 332,800           |
| Poplar .....                                 | 40            | 3.7                         | 2,400            | 60                       | 49,200           | 51,600                            | 800                   | 52,400            |
| Sycamore .....                               | 89            | 8.2                         | 10,300           | 116                      | 36,600           | 46,900                            | 700                   | 47,600            |
| Tamarisk .....                               | 59            | 5.5                         | 3,700            | 63                       | 152,300          | 141,000                           | 100                   | 141,100           |
| Willow .....                                 | 72            | 6.6                         | 7,700            | 107                      | 198,800          | 206,500                           | 2,300                 | 208,800           |
| Ziziphus, or jujube tree .....               | 5             | 0.5                         | 400              | 120                      | 20,000           | 20,600                            | 100                   | 20,700            |
| Other timber trees .....                     | 138           | 13.0                        | 15,800           | 112                      | 110,600          | 126,400                           | 48,700                | 175,100           |
| <b>General total</b> . . .                   | <b>1,077</b>  | <b>100.0</b>                | <b>117,800</b>   | <b>109</b>               | <b>1,979,200</b> | <b>2,096,600</b>                  | <b>156,500</b>        | <b>2,253,100</b>  |
| <b>Total of fruit and timber trees</b> . . . | <b>32,564</b> | <b>—</b>                    | <b>7,038,500</b> | <b>—</b>                 | <b>2,880,700</b> | <b>9,918,800</b>                  | <b>176,700</b>        | <b>10,095,500</b> |

## 11. — FRUIT AND TIMBER TREES (continued).

| CLASSIFICATION                            | ON HOLDINGS      |                                   |                  |                                |           |  | TREES<br>NOT<br>ON<br>HOLDINGS | TOTAL     |
|---|------------------|-----------------------------------|------------------|--------------------------------|-----------|--|--------------------------------|-----------|
|   | Area             |                                   | Trees            |                                |           |  |                                |           |
|   | Absolute<br>data | Percentage<br>of general<br>total | In plantation    |                                | Dispersed | Total<br>number of trees<br>on<br>holdings |                                |           |
|   |                  |                                   | Absolute<br>data | Average<br>density<br>per acre |           |  |                                |           |
| acres                                     | %                | number                            | number           | number                         | number    | number                                     | number                         |           |
| UPPER EGYPT.                              |                  |                                   |                  |                                |           |  |                                |           |
| FRUIT TREES                               |                  |                                   |                  |                                |           |  |                                |           |
| Apples . . . . .                          | 220              | 0.9                               | 25,300           | 115                            | 11,400    | 36,700                                     | —                              | 36,700    |
| Apricots . . . . .                        | 259              | 1.1                               | 33,600           | 130                            | 1,500     | 35,100                                     | —                              | 35,100    |
| Bananas . . . . .                         | 161              | 0.6                               | 42,400           | 263                            | 5,000     | 47,400                                     | 700                            | 48,100    |
| Citrus—                                   |                  |                                   |                  |                                |           |  |                                |           |
| Bitter oranges . . . . .                  | 106              | 0.4                               | 18,900           | 178                            | 2,200     | 21,100                                     | 200                            | 21,300    |
| Lemons (Adalia) . . . . .                 | 17               | 0.1                               | 1,700            | 100                            | 3,200     | 4,900                                      | —                              | 4,900     |
| Limes (Baladi) . . . . .                  | 1,325            | 5.3                               | 143,500          | 108                            | 4,100     | 147,600                                    | 100                            | 147,700   |
| Lemons, sweet . . . . .                   | 67               | 0.3                               | 6,200            | 93                             | 2,200     | 8,400                                      | 100                            | 8,500     |
| Mandarins . . . . .                       | 1,033            | 4.2                               | 201,900          | 195                            | 5,500     | 207,400                                    | 100                            | 207,500   |
| Oranges . . . . .                         | 2,140            | 8.6                               | 357,800          | 167                            | 6,900     | 364,700                                    | 200                            | 364,900   |
| Total Citrus . . . . .                    | 4,682            | 18.9                              | 730,000          | 556                            | 24,100    | 754,100                                    | 700                            | 754,800   |
| Date-palms . . . . .                      | 13,626           | 54.6                              | 1,478,800        | 109                            | 362,900   | 1,841,700                                  | 100                            | 1,841,800 |
| Figs . . . . .                            | 1,223            | 4.9                               | 1,187,400        | 971                            | 23,500    | 1,210,900                                  | 100                            | 1,211,000 |
| Guavas . . . . .                          | 581              | 2.3                               | 97,400           | 168                            | 2,900     | 100,300                                    | 800                            | 101,100   |
| Mangoes . . . . .                         | 141              | 0.6                               | 13,200           | 94                             | 1,400     | 14,600                                     | 500                            | 15,100    |
| Olives . . . . .                          | 304              | 1.2                               | 28,000           | 92                             | 4,600     | 32,600                                     | —                              | 32,600    |
| Peaches . . . . .                         | 161              | 0.6                               | 13,800           | 86                             | 12,300    | 26,100                                     | —                              | 26,100    |
| Pears . . . . .                           | 42               | 0.2                               | 4,300            | 102                            | 2,200     | 6,500                                      | —                              | 6,500     |
| Plums . . . . .                           | 47               | 0.2                               | 6,200            | 132                            | 3,500     | 9,700                                      | —                              | 9,700     |
| Pomegranates . . . . .                    | 702              | 2.8                               | 104,600          | 149                            | 15,900    | 120,500                                    | 100                            | 120,600   |
| Vines . . . . .                           | 2,385            | 9.6                               | 345,800          | 145                            | 11,000    | 356,800                                    | 300                            | 357,100   |
| Other fruits . . . . .                    | 308              | 1.3                               | 37,900           | 123                            | 5,200     | 41,100                                     | 1,400                          | 42,500    |
| General total . . . . .                   | 24,948           | 100.0                             | 4,148,700        | 167                            | 485,400   | 4,634,100                                  | 4,700                          | 4,638,800 |
| TIMBER TREES                              |                  |                                   |                  |                                |           |  |                                |           |
| Acacia, or Gum arabic tree . . . . .      | 823              | 48.7                              | 84,500           | 103                            | 40,900    | 131,400                                    | 7,400                          | 138,800   |
| Albizia <i>babak</i> L. . . . .           | 20               | 1.2                               | 1,800            | 90                             | 1,100     | 2,900                                      | 6,800                          | 9,700     |
| Campor . . . . .                          | 54               | 3.2                               | 5,200            | 96                             | 10,400    | 15,600                                     | 18,300                         | 33,900    |
| Coccoloba . . . . .                       | 146              | 8.6                               | 13,800           | 95                             | 19,900    | 33,700                                     | 10,300                         | 44,000    |
| Mulberry, white and black . . . . .       | 10               | 0.6                               | 1,400            | 140                            | 2,100     | 3,500                                      | 4,500                          | 8,000     |
| Poplar . . . . .                          | 1                | 0.1                               | 100              | 100                            | 300       | 400  | 1,600                          | 2,000     |
| Sycamore . . . . .                        | 20               | 1.2                               | 3,000            | 150                            | 1,800     | 4,800                                      | 3,700                          | 8,500     |
| Tamarisk . . . . .                        | 357              | 21.3                              | 25,700           | 71                             | 33,600    | 59,300                                     | —                              | 59,300    |
| Willow . . . . .                          | 12               | 0.7                               | 1,300            | 108                            | 2,400     | 3,700                                      | 400                            | 4,100     |
| Ziziphus, or Jajaba tree . . . . .        | 136              | 8.0                               | 9,500            | 70                             | 4,300     | 13,800                                     | —                              | 13,800    |
| Other timber trees . . . . .              | 109              | 6.4                               | 13,000           | 119                            | 1,900     | 14,900                                     | 34,500                         | 49,400    |
| General total . . . . .                   | 1,688            | 100.0                             | 159,300          | 94                             | 124,700   | 284,000                                    | 87,900                         | 371,900   |
| Total of fruit and timber trees . . . . . | 26,536           | —                                 | 4,308,000        | —                              | 610,100   | 4,918,100                                  | 92,200                         | 5,010,300 |

## 11. — FRUIT AND TIMBER TREES (concluded).

| CLASSIFICATION                            | ON HOLDINGS      |                                   |                  |                                |           |  | TREES<br>NOT<br>ON<br>HOLDINGS | TOTAL      |
|---|------------------|-----------------------------------|------------------|--------------------------------|-----------|--|--------------------------------|------------|
|   | Area             |                                   | Trees            |                                |           |  |                                |            |
|   | Absolute<br>data | Percentage<br>of general<br>total | In plantation    |                                | Dispersed | Total<br>number of trees<br>on<br>holdings |                                |            |
|   |                  |                                   | Absolute<br>data | Average<br>density<br>per acre |           |  |                                |            |
| acres                                     | %                | number                            | number           | number                         | number    | number                                     | number                         |            |
| TOTAL                                     |                  |                                   |                  |                                |           |  |                                |            |
| FRUIT TREES                               |                  |                                   |                  |                                |           |  |                                |            |
| Apples . . . . .                          | 279              | 0.5                               | 33,300           | 127                            | 15,500    | 59,800                                     | 100                            | 59,900     |
| Apricots . . . . .                        | 874              | 1.6                               | 118,500          | 136                            | 11,200    | 129,700                                    | 200                            | 129,900    |
| Bananas . . . . .                         | 912              | 1.7                               | 322,200          | 346                            | 16,200    | 338,400                                    | 1,600                          | 340,000    |
| Citrus—                                   |                  |                                   |                  |                                |           |  |                                |            |
| Bitter oranges . . . . .                  | 378              | 0.7                               | 61,300           | 215                            | 39,900    | 121,200                                    | 4,000                          | 125,200    |
| Lemons (Adalia) . . . . .                 | 79               | 0.1                               | 7,800            | 99                             | 10,600    | 18,400                                     | 500                            | 18,900     |
| Limes (Baladi) . . . . .                  | 2,852            | 5.1                               | 536,300          | 188                            | 35,800    | 570,100                                    | 1,700                          | 571,800    |
| Lemons, sweet . . . . .                   | 294              | 0.5                               | 29,300           | 100                            | 15,500    | 47,800                                     | 500                            | 48,300     |
| Mandarins . . . . .                       | 5,283            | 9.4                               | 1,279,500        | 242                            | 146,300   | 1,425,800                                  | 1,900                          | 1,427,700  |
| Oranges . . . . .                         | 7,450            | 13.2                              | 1,304,300        | 213                            | 49,200    | 1,633,500                                  | 3,800                          | 1,637,300  |
| Total Citrus . . . . .                    | 16,336           | 29.0                              | 3,578,500        | 275                            | 288,300   | 3,816,800                                  | 12,400                         | 3,829,200  |
| Date-palms . . . . .                      | 24,751           | 43.0                              | 2,743,800        | 111                            | 756,400   | 3,500,200                                  | 200                            | 3,500,400  |
| Figs . . . . .                            | 2,333            | 4.1                               | 1,630,100        | 699                            | 38,000    | 1,668,100                                  | 500                            | 1,668,600  |
| Guavas . . . . .                          | 2,559            | 4.5                               | 515,700          | 202                            | 65,900    | 581,600                                    | 3,000                          | 584,600    |
| Mangoes . . . . .                         | 816              | 1.5                               | 89,400           | 110                            | 19,000    | 108,400                                    | 200                            | 109,100    |
| Olives . . . . .                          | 499              | 0.9                               | 55,400           | 111                            | 11,900    | 67,300                                     | —                              | 67,300     |
| Peaches . . . . .                         | 401              | 0.7                               | 50,900           | 127                            | 49,700    | 100,600                                    | 200                            | 100,800    |
| Pears . . . . .                           | 69               | 0.1                               | 9,000            | 130                            | 7,000     | 16,000                                     | —                              | 16,000     |
| Plums . . . . .                           | 121              | 0.2                               | 15,400           | 127                            | 10,200    | 25,600                                     | 400                            | 26,000     |
| Pomegranates . . . . .                    | 776              | 1.4                               | 116,000          | 149                            | 28,600    | 144,600                                    | 300                            | 144,900    |
| Vines . . . . .                           | 4,854            | 8.6                               | 1,791,100        | 350                            | 47,400    | 1,748,500                                  | 3,000                          | 1,751,500  |
| Other fruits . . . . .                    | 744              | 1.3                               | 148,100          | 199                            | 11,600    | 159,700                                    | 2,300                          | 162,000    |
| General total . . . . .                   | 56,335           | 100.0                             | 11,069,400       | 196                            | 1,386,900 | 12,456,300                                 | 24,900                         | 12,481,200 |
| TIMBER TREES                              |                  |                                   |                  |                                |           |  |                                |            |
| Acacia, or Gum arabic tree . . . . .      | 951              | 34.3                              | 99,300           | 104                            | 408,200   | 707,500                                    | 28,900                         | 736,400    |
| Albizia <i>babak</i> L. . . . .           | 45               | 1.6                               | 4,000            | 89                             | 14,600    | 18,600                                     | 8,700                          | 27,300     |
| Campor . . . . .                          | 207              | 7.5                               | 19,400           | 94                             | 174,300   | 193,700                                    | 51,100                         | 244,800    |
| Coccoloba . . . . .                       | 423              | 15.3                              | 45,300           | 107                            | 399,500   | 444,800                                    | 47,700                         | 492,500    |
| Mulberry, white and black . . . . .       | 101              | 3.7                               | 15,800           | 154                            | 310,500   | 326,100                                    | 14,700                         | 340,800    |
| Poplar . . . . .                          | 41               | 1.4                               | 2,500            | 61                             | 49,500    | 52,000                                     | 2,400                          | 54,400     |
| Sycamore . . . . .                        | 100              | 3.9                               | 13,300           | 122                            | 38,400    | 51,700                                     | 4,400                          | 56,100     |
| Tamarisk . . . . .                        | 476              | 15.2                              | 29,400           | 70                             | 170,900   | 200,300                                    | 100                            | 200,400    |
| Willow . . . . .                          | 84               | 3.0                               | 9,600            | 107                            | 201,200   | 210,200                                    | 2,700                          | 212,900    |
| Ziziphus, or Jajaba tree . . . . .        | 141              | 5.1                               | 10,100           | 72                             | 24,300    | 34,400                                     | 100                            | 34,500     |
| Other timber trees . . . . .              | 247              | 9.0                               | 28,800           | 115                            | 112,500   | 141,300                                    | 83,200                         | 224,500    |
| General total . . . . .                   | 2,765            | 100.0                             | 276,700          | 100                            | 2,103,900 | 2,380,600                                  | 244,000                        | 2,624,600  |
| Total of fruit and timber trees . . . . . | 59,100           | —                                 | 11,346,100       | —                              | 3,490,800 | 14,836,900                                 | 248,900                        | 15,105,800 |

12. — NURSERIES: NUMBER, AREA, AND THE RETURN FROM PRODUCTION DURING THE AGRICULTURAL YEAR 1930-31.

| CLASSIFICATION                   | NUMBER        |                     | AREA          |                     |                     | RETURN<br>L. Eg. |
|----------------------------------|---------------|---------------------|---------------|---------------------|---------------------|------------------|
|                                  | Absolute data | Percentage of total | Absolute data | Average per nursery | Percentage of total |                  |
|                                  | number        | %                   | acres         | acres               | %                   |                  |
| LOWER EGYPT                      |               |                     |               |                     |                     |                  |
| Nurseries                        |               |                     |               |                     |                     |                  |
| For fruit trees and shrubs       | 611           | 82.0                | 326           | 0.5                 | 99.2                | 20,702           |
| For timber trees                 | 142           | 19.1                | 310           | 2.2                 | 97.0                | 1,885            |
| For ornamental trees and flowers | 64            | 8.6                 | 180           | 2.8                 | 54.9                | 1,636            |
| Total                            | 745           | —                   | 329           | 0.4                 | —                   | 24,223           |
| UPPER EGYPT                      |               |                     |               |                     |                     |                  |
| Nurseries                        |               |                     |               |                     |                     |                  |
| For fruit trees and shrubs       | 78            | 72.2                | 163           | 2.1                 | 100.0               | 2,715            |
| For timber trees                 | 47            | 43.5                | 151           | 3.2                 | 92.4                | 11,622           |
| For ornamental trees and flowers | 49            | 45.4                | 141           | 2.9                 | 86.4                | 12,652           |
| Total                            | 168           | —                   | 163           | 1.5                 | —                   | 26,989           |
| TOTAL                            |               |                     |               |                     |                     |                  |
| Nurseries                        |               |                     |               |                     |                     |                  |
| For fruit trees and shrubs       | 689           | 80.8                | 489           | 0.7                 | 99.5                | 23,417           |
| For timber trees                 | 189           | 22.2                | 470           | 2.5                 | 95.5                | 13,507           |
| For ornamental trees and flowers | 113           | 13.2                | 321           | 2.8                 | 65.3                | 14,298           |
| Total                            | 853           | —                   | 492           | 0.6                 | —                   | 51,212           |

13. — IRRIGATION AND DRAINAGE IN 1929.

| SPECIFICATION  | Lower Egypt | Upper Egypt | Total     |
|--|-------------|-------------|-----------|
|  | acres       | acres       | acres     |
| IRRIGATION   |             |             |           |
| Areas irrigated during the whole year  |             |             |           |
| by gravity   | 1,260,743   | 1,068,512   | 2,329,255 |
| by lifting   | 2,143,923   | 207,475     | 2,351,398 |
| Areas under basin irrigation, flooded once a year, at the rise of the Nile, from September to November | —           | 1,149,452   | 1,149,452 |
| DRAINAGE   |             |             |           |
| Areas drained by gravity   | 1,369,214   | 909,996     | 2,279,210 |
| Areas drained by pumping   | 952,894     | —           | 952,894   |

14. — LENGTH OF CANALS, DRAINS, AND AGRICULTURAL ROADS ON 31 DECEMBER 1929.

| CLASSIFICATION                    | Lower Egypt   |                          | Upper Egypt   |                          | TOTAL         |                          |
|-----------------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|
|                                   | Absolute data | Percentage of each total | Absolute data | Percentage of each total | Absolute data | Percentage of each total |
|                                   | miles         | %                        | miles         | %                        | miles         | %                        |
| CANALS                            |               |                          |               |                          |               |                          |
| NAVIGABLE, WITH A MOUTH BREADTH   |               |                          |               |                          |               |                          |
| up to 5 metres                    | 55            | 7.7                      | —             | —                        | 55            | 5.5                      |
| more than 5 and up to 10 metres   | 54            | 13.0                     | —             | —                        | 94            | 9.4                      |
| more than 10 metres               | 571           | 79.3                     | 279           | 100.0                    | 850           | 85.1                     |
| Total                             | 720           | 100.0                    | 279           | 100.0                    | 999           | 100.0                    |
| UNNAVIGABLE, WITH A MOUTH BREADTH |               |                          |               |                          |               |                          |
| up to 5 metres                    | 3,680         | 72.5                     | 4,033         | 70.5                     | 7,713         | 71.4                     |
| more than 5 and up to 10 metres   | 1,015         | 20.0                     | 903           | 15.8                     | 1,918         | 17.6                     |
| more than 10 metres               | 381           | 7.5                      | 784           | 13.7                     | 1,165         | 10.8                     |
| Total                             | 5,077         | 100.0                    | 5,720         | 100.0                    | 10,797        | 100.0                    |
| DRAINS, WITH A MOUTH BREADTH      |               |                          |               |                          |               |                          |
| up to 5 metres                    | 1,853         | 73.0                     | 1,769         | 84.8                     | 3,622         | 78.3                     |
| more than 5 and up to 10 metres   | 380           | 15.0                     | 163           | 7.8                      | 543           | 11.7                     |
| more than 10 metres               | 306           | 12.0                     | 155           | 7.4                      | 461           | 10.0                     |
| Total                             | 2,544         | 100.0                    | 2,087         | 100.0                    | 4,631         | 100.0                    |
| AGRICULTURAL ROADS                |               |                          |               |                          |               |                          |
| 1st. class roads                  | 729           | 31.9                     | 618           | 36.4                     | 1,347         | 34.6                     |
| 2d. class roads                   | 1,555         | 68.1                     | 992           | 61.6                     | 2,547         | 65.4                     |
| Total                             | 2,284         | 100.0                    | 1,610         | 100.0                    | 3,894         | 100.0                    |

15. — NUMBER OF THE MOST IMPORTANT KINDS OF AGRICULTURAL MACHINERY.

| CLASSIFICATION                    | Lower Egypt | Upper Egypt | Total   |
|-----------------------------------|-------------|-------------|---------|
|                                   | number      | number      | number  |
| PLOWDS                            |             |             |         |
| local ploughs                     | 410,886     | 153,258     | 564,144 |
| steam ploughs                     | 469         | 539         | 1,008   |
| motor ploughs                     | 1,662       | 1,079       | 2,741   |
| Total                             | 413,017     | 154,876     | 567,893 |
| THRESHERS                         |             |             |         |
| local threshers                   | 223,669     | 78,354      | 302,023 |
| mechanical threshers              | 412         | 157         | 569     |
| Total                             | 224,081     | 78,511      | 302,592 |
| MECHANICAL REPTERS                |             |             |         |
|                                   | 566         | 180         | 746     |
| MECHANICAL WINNERS WORKED BY HAND |             |             |         |
|                                   | 1,536 (1)   | 6,140 (1)   | 7,676   |

(1) Including the primitive wooden winnowing-fans of Giza province.

## 16. — LIVESTOCK IN JULY 1929.

| CLASSIFICATION        | Sex     |         | Total         |                                   |
|-----------------------|---------|---------|---------------|-----------------------------------|
|                       | Male    | Female  | Absolute data | Percentage of total for each kind |
|                       | number  | number  | number        | %                                 |
| LOWER EGYPT.          |         |         |               |                                   |
| <b>Horses</b>         |         |         |               |                                   |
| Below one year old    | 339     | 272     | 611           | 3.1                               |
| One year old and over | 9,197   | 9,931   | 19,128        | 96.9                              |
| Total                 | 9,536   | 10,203  | 19,739        | 100.0                             |
| <b>Asses</b>          |         |         |               |                                   |
| Below one year old    | 7,813   | 12,390  | 20,203        | 3.0                               |
| One year old and over | 276,530 | 387,068 | 663,598       | 97.0                              |
| Total                 | 284,343 | 399,458 | 683,801       | 100.0                             |
| <b>Mules</b>          |         |         |               |                                   |
| Below one year old    | —       | —       | 148           | 1.4                               |
| One year old and over | —       | —       | 10,783        | 98.6                              |
| Total                 | —       | —       | 10,931        | 100.0                             |
| <b>Cattle</b>         |         |         |               |                                   |
| Below one year old    | 13,488  | 21,609  | 35,097        | 7.8                               |
| One year old and over | 150,240 | 264,246 | 414,486       | 92.2                              |
| Total                 | 163,728 | 285,855 | 449,583       | 100.0                             |
| <b>Sheep</b>          |         |         |               |                                   |
| Below one year old    | 18,420  | 30,413  | 48,833        | 7.2                               |
| One year old and over | 139,387 | 488,336 | 627,723       | 92.8                              |
| Total                 | 157,807 | 518,749 | 676,556       | 100.0                             |
| <b>Goats</b>          |         |         |               |                                   |
| Below one year old    | 7,517   | 7,809   | 15,326        | 10.2                              |
| One year old and over | 45,372  | 90,272  | 135,644       | 89.8                              |
| Total                 | 52,889  | 98,081  | 150,970       | 100.0                             |
| <b>Swine</b>          |         |         |               |                                   |
| Below one year old    | 216     | 215     | 431           | 13.1                              |
| One year old and over | 1,325   | 1,579   | 2,904         | 86.9                              |
| Total                 | 1,541   | 1,794   | 3,295         | 100.0                             |
| <b>Buffaloes</b>      |         |         |               |                                   |
| Below one year old    | 2,891   | 23,640  | 26,531        | 4.5                               |
| One year old and over | 14,368  | 549,844 | 564,212       | 95.5                              |
| Total                 | 17,259  | 573,484 | 590,743       | 100.0                             |
| <b>Camels</b>         |         |         |               |                                   |
| Below one year old    | 585     | 302     | 887           | 1.3                               |
| One year old and over | 58,834  | 8,109   | 66,943        | 98.7                              |
| Total                 | 59,419  | 8,411   | 67,830        | 100.0                             |

## 16. — LIVESTOCK IN JULY 1929 (continued).

| CLASSIFICATION        | Sex     |         | Total         |                                   |
|-----------------------|---------|---------|---------------|-----------------------------------|
|                       | Male    | Female  | Absolute data | Percentage of total for each kind |
|                       | number  | number  | number        | %                                 |
| UPPER EGYPT.          |         |         |               |                                   |
| <b>Horses</b>         |         |         |               |                                   |
| Below one year old    | 236     | 363     | 599           | 4.7                               |
| One year old and over | 4,465   | 7,786   | 12,251        | 95.3                              |
| Total                 | 4,701   | 8,149   | 12,850        | 100.0                             |
| <b>Asses</b>          |         |         |               |                                   |
| Below one year old    | 6,873   | 13,899  | 19,972        | 4.4                               |
| One year old and over | 121,157 | 309,373 | 430,530       | 95.6                              |
| Total                 | 128,030 | 323,272 | 451,302       | 100.0                             |
| <b>Mules</b>          |         |         |               |                                   |
| Below one year old    | —       | —       | 37            | 1.4                               |
| One year old and over | —       | —       | 2,535         | 98.6                              |
| Total                 | —       | —       | 2,572         | 100.0                             |
| <b>Cattle</b>         |         |         |               |                                   |
| Below one year old    | 9,793   | 21,370  | 31,163        | 8.4                               |
| One year old and over | 70,572  | 263,001 | 333,573       | 91.6                              |
| Total                 | 80,365  | 284,371 | 364,736       | 100.0                             |
| <b>Sheep</b>          |         |         |               |                                   |
| Below one year old    | 20,493  | 47,335  | 67,828        | 8.8                               |
| One year old and over | 92,853  | 605,958 | 698,811       | 91.2                              |
| Total                 | 113,346 | 653,293 | 766,639       | 100.0                             |
| <b>Goats</b>          |         |         |               |                                   |
| Below one year old    | 19,506  | 42,815  | 62,321        | 11.3                              |
| One year old and over | 77,899  | 411,371 | 489,270       | 88.7                              |
| Total                 | 97,405  | 454,186 | 551,591       | 100.0                             |
| <b>Swine</b>          |         |         |               |                                   |
| Below one year old    | 447     | 480     | 927           | 9.9                               |
| One year old and over | 3,878   | 4,537   | 8,415         | 90.1                              |
| Total                 | 4,325   | 5,017   | 9,342         | 100.0                             |
| <b>Buffaloes</b>      |         |         |               |                                   |
| Below one year old    | 1,250   | 11,199  | 12,449        | 4.4                               |
| One year old and over | 9,601   | 250,240 | 259,841       | 95.6                              |
| Total                 | 10,851  | 261,439 | 272,290       | 100.0                             |
| <b>Camels</b>         |         |         |               |                                   |
| Below one year old    | 1,799   | 3,458   | 5,257         | 4.3                               |
| One year old and over | 50,061  | 67,203  | 117,264       | 95.7                              |
| Total                 | 51,860  | 70,661  | 122,521       | 100.0                             |

## 16. — LIVESTOCK IN JULY 1929 (concluded).

| CLASSIFICATION                  | Sex            |                  | Total            |                                   |
|---------------------------------|----------------|------------------|------------------|-----------------------------------|
|                                 | Male           | Female           | Absolute data    | Percentage of total for each kind |
|                                 | number         | number           | number           | %                                 |
| <b>TOTAL.</b>                   |                |                  |                  |                                   |
| <b>HORSES</b>                   |                |                  |                  |                                   |
| Below one year old . . . . .    | 575            | 635              | 1,210            | 3.7                               |
| One year old and over . . . . . | 13,662         | 17,717           | 31,379           | 96.3                              |
| <b>Total . . . . .</b>          | <b>14,237</b>  | <b>18,352</b>    | <b>32,589</b>    | <b>100.0</b>                      |
| <b>ASSES</b>                    |                |                  |                  |                                   |
| Below one year old . . . . .    | 14,686         | 23,469           | 40,155           | 3.5                               |
| One year old and over . . . . . | 397,687        | 695,441          | 1,094,128        | 96.5                              |
| <b>Total . . . . .</b>          | <b>412,373</b> | <b>721,930</b>   | <b>1,134,303</b> | <b>100.0</b>                      |
| <b>OXEN</b>                     |                |                  |                  |                                   |
| Below one year old . . . . .    | —              | —                | 185              | 1.4                               |
| One year old and over . . . . . | —              | —                | 13,338           | 98.6                              |
| <b>Total . . . . .</b>          | <b>—</b>       | <b>—</b>         | <b>13,523</b>    | <b>100.0</b>                      |
| <b>CATTLE</b>                   |                |                  |                  |                                   |
| Below one year old . . . . .    | 23,281         | 42,979           | 66,260           | 8.1                               |
| One year old and over . . . . . | 228,812        | 527,247          | 756,059          | 91.9                              |
| <b>Total . . . . .</b>          | <b>252,093</b> | <b>570,226</b>   | <b>822,319</b>   | <b>100.0</b>                      |
| <b>SHEEP</b>                    |                |                  |                  |                                   |
| Below one year old . . . . .    | 38,913         | 77,748           | 116,661          | 8.1                               |
| One year old and over . . . . . | 232,240        | 1,094,294        | 1,326,534        | 91.9                              |
| <b>Total . . . . .</b>          | <b>271,153</b> | <b>1,172,042</b> | <b>1,443,195</b> | <b>100.0</b>                      |
| <b>GOATS</b>                    |                |                  |                  |                                   |
| Below one year old . . . . .    | 27,023         | 50,624           | 77,647           | 11.1                              |
| One year old and over . . . . . | 123,271        | 501,643          | 624,914          | 88.9                              |
| <b>Total . . . . .</b>          | <b>150,294</b> | <b>552,267</b>   | <b>702,561</b>   | <b>100.0</b>                      |
| <b>SWINE</b>                    |                |                  |                  |                                   |
| Below one year old . . . . .    | 663            | 695              | 1,358            | 10.7                              |
| One year old and over . . . . . | 5,203          | 6,076            | 11,279           | 89.3                              |
| <b>Total . . . . .</b>          | <b>5,866</b>   | <b>6,771</b>     | <b>12,637</b>    | <b>100.0</b>                      |
| <b>BUFFALOES</b>                |                |                  |                  |                                   |
| Below one year old . . . . .    | 4,141          | 34,839           | 38,980           | 4.5                               |
| One year old and over . . . . . | 23,969         | 809,092          | 833,061          | 95.5                              |
| <b>Total . . . . .</b>          | <b>28,110</b>  | <b>843,931</b>   | <b>872,041</b>   | <b>100.0</b>                      |
| <b>CAMELS</b>                   |                |                  |                  |                                   |
| Below one year old . . . . .    | 2,384          | 3,760            | 6,144            | 3.2                               |
| One year old and over . . . . . | 108,895        | 75,312           | 184,207          | 96.8                              |
| <b>Total . . . . .</b>          | <b>111,279</b> | <b>79,072</b>    | <b>190,351</b>   | <b>100.0</b>                      |

## 17. — POULTRY, RABBITS, AND BEE-HIVES IN JULY 1929.

| CLASSIFICATION                  | Lower Egypt       | Upper Egypt      | Total             |
|---------------------------------|-------------------|------------------|-------------------|
|                                 | number            | number           | number            |
|                                 | <b>POULTRY</b>    |                  |                   |
| Fowls . . . . .                 | 6,256,262         | 5,614,599        | 11,870,861        |
| Ducks . . . . .                 | 938,085           | 90,679           | 1,028,764         |
| Geese . . . . .                 | 957,730           | 453,687          | 1,411,605         |
| Turkeys . . . . .               | 165,105           | 104,199          | 269,304           |
| Pigeons . . . . .               | 2,134,814         | 1,425,986        | 3,560,800         |
| <b>Total . . . . .</b>          | <b>10,452,005</b> | <b>7,608,350</b> | <b>18,141,355</b> |
| <b>RABBITS</b>                  |                   |                  |                   |
| Local type, primitive . . . . . | 1,435,362         | 339,526          | 1,774,888         |
| <b>BEE-HIVES</b>                |                   |                  |                   |
| Local type, primitive . . . . . | 255,025           | 90,774           | 345,799           |
| With removable frames . . . . . | 1,382             | 2,156            | 3,538             |
| <b>Total . . . . .</b>          | <b>256,407</b>    | <b>92,930</b>    | <b>349,337</b>    |

## 18. — ANIMAL PRODUCTS IN 1929.

| SPECIFICATION               | Lower Egypt    |                          | Upper Egypt    |                          | TOTAL          |                          |
|-----------------------------|----------------|--------------------------|----------------|--------------------------|----------------|--------------------------|
|                             | Absolute data  | Percentage of each total | Absolute data  | Percentage of each total | Absolute data  | Percentage of each total |
|                             | 1,000 lb.      | %                        | 1,000 lb.      | %                        | 1,000 lb.      | %                        |
| <b>MILK</b>                 |                |                          |                |                          |                |                          |
| <b>OF COWS</b>              |                |                          |                |                          |                |                          |
| consumed directly . . . . . | 24,111         | 18.3                     | 12,341         | 13.8                     | 36,452         | 16.4                     |
| made into butter . . . . .  | 83,264         | 63.0                     | 62,436         | 69.8                     | 145,700        | 65.8                     |
| made into cheese . . . . .  | 24,737         | 18.7                     | 14,623         | 16.4                     | 39,360         | 17.8                     |
| <b>Total . . . . .</b>      | <b>132,112</b> | <b>100.0</b>             | <b>89,400</b>  | <b>100.0</b>             | <b>221,512</b> | <b>100.0</b>             |
| <b>OF BUFFALOES</b>         |                |                          |                |                          |                |                          |
| consumed directly . . . . . | 111,154        | 16.7                     | 26,556         | 12.9                     | 137,710        | 17.2                     |
| made into butter . . . . .  | 375,672        | 63.0                     | 140,635        | 68.3                     | 516,307        | 64.4                     |
| made into cheese . . . . .  | 106,025        | 18.3                     | 38,706         | 18.8                     | 144,731        | 18.4                     |
| <b>Total . . . . .</b>      | <b>592,851</b> | <b>100.0</b>             | <b>205,897</b> | <b>100.0</b>             | <b>798,748</b> | <b>100.0</b>             |
| <b>OF SHEEP</b>             |                |                          |                |                          |                |                          |
| consumed directly . . . . . | —              | —                        | —              | —                        | —              | —                        |
| made into butter . . . . .  | —              | —                        | —              | —                        | —              | —                        |
| made into cheese . . . . .  | 11,608         | 100.0                    | 14,404         | 100.0                    | 26,012         | 100.0                    |
| <b>Total . . . . .</b>      | <b>11,608</b>  | <b>100.0</b>             | <b>14,404</b>  | <b>100.0</b>             | <b>26,012</b>  | <b>100.0</b>             |
| <b>OF GOATS</b>             |                |                          |                |                          |                |                          |
| consumed directly . . . . . | 7,153          | 100.0                    | 32,585         | 100.0                    | 39,738         | 100.0                    |
| made into butter . . . . .  | —              | —                        | —              | —                        | —              | —                        |
| made into cheese . . . . .  | —              | —                        | —              | —                        | —              | —                        |
| <b>Total . . . . .</b>      | <b>7,153</b>   | <b>100.0</b>             | <b>32,585</b>  | <b>100.0</b>             | <b>39,738</b>  | <b>100.0</b>             |



## 18. — ANIMAL PRODUCTS IN 1929 (concluded).

| SPECIFICATION                             | Lower Egypt   |                          | Upper Egypt   |                          | Total         |                          |
|---|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|
|   | Absolute data | Percentage of each total | Absolute data | Percentage of each total | Absolute data | Percentage of each total |
|   | 1,000 lb.     | %                        | 1,000 lb.     | %                        | 1,000 lb.     | %                        |
| <b>IN MASS</b>                            |               |                          |               |                          |               |                          |
| <i>Consumed directly</i>                  |               |                          |               |                          |               |                          |
| milk of cows . . . . .                    | 24,111        | 16.9                     | 12,341        | 17.3                     | 36,452        | 17.0                     |
| milk of buffaloes . . . . .               | 111,154       | 78.1                     | 26,556        | 37.1                     | 137,710       | 64.6                     |
| milk of goats . . . . .                   | 7,153         | 5.0                      | 32,585        | 45.6                     | 39,738        | 18.6                     |
| Total . . . . .                           | 142,418       | 100.0                    | 71,482        | 100.0                    | 213,900       | 100.0                    |
| <i>Made into butter</i>                   |               |                          |               |                          |               |                          |
| milk of cows . . . . .                    | 83,264        | 18.1                     | 62,436        | 30.7                     | 145,700       | 22.0                     |
| milk of buffaloes . . . . .               | 375,672       | 81.9                     | 146,635       | 69.3                     | 516,307       | 78.0                     |
| Total . . . . .                           | 458,936       | 100.0                    | 209,071       | 100.0                    | 662,007       | 100.0                    |
| <i>Made into cheese</i>                   |               |                          |               |                          |               |                          |
| milk of cows . . . . .                    | 24,737        | 17.0                     | 14,623        | 24.6                     | 39,360        | 18.5                     |
| milk of buffaloes . . . . .               | 109,025       | 75.0                     | 38,706        | 57.1                     | 147,731       | 69.3                     |
| milk of sheep . . . . .                   | 11,608        | 8.0                      | 14,404        | 21.3                     | 26,012        | 12.2                     |
| Total . . . . .                           | 145,370       | 100.0                    | 67,733        | 100.0                    | 213,103       | 100.0                    |
| <i>Total production</i>                   |               |                          |               |                          |               |                          |
| milk of cows . . . . .                    | 132,112       | 17.7                     | 89,400        | 26.1                     | 221,512       | 20.3                     |
| milk of buffaloes . . . . .               | 595,851       | 79.8                     | 205,897       | 60.2                     | 801,748       | 73.6                     |
| milk of sheep . . . . .                   | 11,608        | 1.6                      | 14,404        | 4.2                      | 26,012        | 2.4                      |
| milk of goats . . . . .                   | 7,153         | 0.9                      | 32,585        | 9.5                      | 39,738        | 3.7                      |
| General total . . . . .                   | 746,724       | 100.0                    | 342,286       | 100.0                    | 1,089,010     | 100.0                    |
| <b>BUTTER</b>                             |               |                          |               |                          |               |                          |
| made from the milk of cows . . . . .      | 3,331         | 12.0                     | 2,497         | 21.5                     | 5,828         | 14.8                     |
| made from the milk of buffaloes . . . . . | 24,419        | 88.0                     | 9,141         | 78.5                     | 33,560        | 85.2                     |
| Total . . . . .                           | 27,750        | 100.0                    | 11,638        | 100.0                    | 39,388        | 100.0                    |
| <b>CHEESE</b>                             |               |                          |               |                          |               |                          |
| made from the milk of cows . . . . .      | 5,492         | 17.0                     | 3,246         | 21.6                     | 8,738         | 18.5                     |
| made from the milk of buffaloes . . . . . | 24,204        | 75.0                     | 8,593         | 57.1                     | 32,797        | 69.3                     |
| made from the milk of sheep . . . . .     | 2,577         | 8.0                      | 3,198         | 21.3                     | 5,775         | 12.2                     |
| Total . . . . .                           | 32,273        | 100.0                    | 15,037        | 100.0                    | 47,310        | 100.0                    |
| Sheep wool, in the gross . . . . .        | 3,254         | —                        | 3,665         | —                        | 6,917         | —                        |
| Goat wool, in the gross . . . . .         | 12            | —                        | 43            | —                        | 55            | —                        |
| Camel hair . . . . .                      | 11            | —                        | 20            | —                        | 31            | —                        |
| Hens' eggs . . . . .                      | (1) 528,345   | —                        | (1) 294,730   | —                        | (1) 623,075   | —                        |
| <i>Honey, obtained from—</i>              |               |                          |               |                          |               |                          |
| Primitive hives . . . . .                 | (2) 1,050,473 | 97.7                     | (2) 365,627   | 90.7                     | (2) 1,416,100 | 95.8                     |
| Modern hives . . . . .                    | (2) 24,546    | 2.3                      | (2) 37,435    | 9.3                      | (2) 61,981    | 4.2                      |
| Total . . . . .                           | (2) 1,075,019 | 100.0                    | (2) 403,062   | 100.0                    | (2) 1,478,081 | 100.0                    |

(1) Thousands. — (2) Pounds.

C — DATA ON AGRICULTURE  
IN THE DESERT DISTRICT OF EGYPT

## 19. — UTILIZATION OF THE AREAS COVERED BY THE CENSUS.

| CLASSIFICATION                              | SINAI<br>GOVERNORATE | LIBYAN DESERT                     |                                  | TOTAL            |                           |
|---|----------------------|-----------------------------------|----------------------------------|------------------|---------------------------|
|   |                      | Southern<br>Desert<br>Governorate | Western<br>Desert<br>Governorate | Absolute<br>data | Percentage<br>of<br>total |
|   | acres                | acres                             | acres                            | acres            | %                         |
| Arable land, including vegetables . . . . . | 37,526               | 167,463                           | 68,385                           | 273,374          | 52.0                      |
| Fruit trees . . . . .                       | 10,430               | 5,063                             | 2,357                            | 17,850           | 3.4                       |
| Timber trees . . . . .                      | 279                  | 1,799                             | 69                               | 2,147            | 0.4                       |
| Pastures . . . . .                          | 162,403              | 4,448                             | 65,805                           | 232,656          | 44.2                      |
| Total . . . . .                             | 210,638              | 178,773                           | 136,416                          | 525,827          | 100.0                     |

## 20. — UTILIZATION OF ARABLE LAND.

| CLASSIFICATION                                  | SINAI<br>GOVERNORATE | LIBYAN DESERT                     |                                  | TOTAL            |                                      |
|---|----------------------|-----------------------------------|----------------------------------|------------------|--------------------------------------|
|   |                      | Southern<br>Desert<br>Governorate | Western<br>Desert<br>Governorate | Absolute<br>data | Percentage<br>of<br>general<br>total |
|   | acres                | acres                             | acres                            | acres            | %                                    |
| <b>ARABLE LAND</b>                              |                      |                                   |                                  |                  |                                      |
| <b>CEREALS</b>                                  |                      |                                   |                                  |                  |                                      |
| Wheat . . . . .                                 | —                    | 38,346                            | 766                              | 39,112           | 14.5                                 |
| Barley . . . . .                                | 37,511               | 40,185                            | 65,474                           | 143,170          | 52.4                                 |
| Millet . . . . .                                | —                    | 43,182                            | 37                               | 43,219           | 15.8                                 |
| Rice . . . . .                                  | —                    | 36,938                            | 403                              | 37,341           | 13.7                                 |
| Total of cereals . . . . .                      | 37,511               | 158,651                           | 68,680                           | 262,842          | 96.2                                 |
| <b>FOOD CROPS</b>                               |                      |                                   |                                  |                  |                                      |
| Clover (berseem) . . . . .                      | —                    | 8,009                             | 52                               | 8,061            | 2.9                                  |
| Other crops, not including vegetables . . . . . | —                    | 72                                | 427                              | 499              | 0.2                                  |
| Total . . . . .                                 | 37,511               | 166,732                           | 67,159                           | 271,402          | 99.3                                 |
| <b>VEGETABLES</b>                               |                      |                                   |                                  |                  |                                      |
| Onions . . . . .                                | —                    | 531                               | 20                               | 551              | 0.2                                  |
| Cucumbers and Melons . . . . .                  | —                    | 121                               | 7                                | 128              | 0.1                                  |
| Water melons . . . . .                          | 3                    | 79                                | 17                               | 99               | 0.0                                  |
| Other vegetables . . . . .                      | 12                   | —                                 | 1,182                            | 1,194            | 0.4                                  |
| Total of vegetables . . . . .                   | 15                   | 731                               | 1,226                            | 1,972            | 0.7                                  |
| General total . . . . .                         | 37,526               | 167,463                           | 68,385                           | 273,374          | 100.0                                |

## 21. — FRUIT AND TIMBER TREES.

| CLASSIFICATION                                      | SINAI<br>GOVERNORATE | LIBYAN DESERT                     |                                  | TOTAL            |                           |
|---|----------------------|-----------------------------------|----------------------------------|------------------|---------------------------|
|   |                      | Southern<br>Desert<br>Governorate | Western<br>Desert<br>Governorate | Absolute<br>data | Percentage<br>of<br>total |
|   | number               | number                            | number                           | number           | %                         |
| <b>FRUIT TREES</b>                                  |                      |                                   |                                  |                  |                           |
| Figs .....  | 800                  | 2,600                             | 6,800                            | 10,000           | 0.6                       |
| Olive .....   | 600                  | 4,100                             | 8,900                            | 13,600           | 0.8                       |
| Date-palms .....                                    | 984,200              | 402,600                           | 198,200                          | 1,585,000        | 94.9                      |
| Vines .....   | 400                  | 2,500                             | 1,400                            | 4,300            | 0.3                       |
| Other fruits .....                                  | 600                  | 42,500                            | 13,200                           | 56,300           | 3.4                       |
| <i>Total number of fruit trees</i> . . .            | 986,400              | 454,700                           | 226,500                          | 1,667,600        | 100.0                     |
| <b>TIMBER TREES</b> .....                           | 12,300               | 106,400                           | 600                              | 119,300          | —                         |
| <i>Total number of fruit and timber trees</i> . . . | 998,700              | 561,100                           | 227,100                          | 1,786,900        | —                         |

## 22. — LIVESTOCK IN JULY 1929.

| CLASSIFICATION     | SINAI<br>GOVERNORATE | LIBYAN DESERT                     |                                  | TOTAL            |                           |
|--------------------|----------------------|-----------------------------------|----------------------------------|------------------|---------------------------|
|                    |                      | Southern<br>Desert<br>Governorate | Western<br>Desert<br>Governorate | Absolute<br>data | Percentage<br>of<br>total |
|                    | number               | number                            | number                           | number           | %                         |
| Horses .....       | —                    | 56                                | 640                              | 696              | 0.4                       |
| Asses .....        | 288                  | 6,518                             | 3,727                            | 10,533           | 6.7                       |
| Mules .....        | 1                    | —                                 | 10                               | 11               | 0.0                       |
| Cattle .....       | —                    | 9,175                             | 1,799                            | 10,974           | 6.9                       |
| Sheep .....        | 3,503                | 3,221                             | 57,781                           | 64,505           | 40.8                      |
| Goats .....        | 5,379                | 12,465                            | 29,182                           | 47,026           | 29.8                      |
| Buffaloes .....    | —                    | 9                                 | 1                                | 10               | 0.0                       |
| Camels .....       | 3,511                | 41                                | 20,770                           | 24,322           | 15.4                      |
| <i>Total</i> . . . | 12,682               | 31,475                            | 113,910                          | 158,067          | 100.0                     |



FRENCH WEST AFRICA

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## THE AGRICULTURAL CENSUS IN FRENCH WEST AFRICA

The economic organization of French West Africa is of too recent origin to allow a real agricultural census to be conducted. The Government was obliged to limit its work to the formulation of model instructions, adopted by the administration of the various colonies for obtaining evaluations and estimates which varied in completeness and accuracy according to the degree of perfection of the statistical organization in each colony of the group. As a general principle, the data were obtained on 1 January 1930 and refer to the year 1929. The information on European concessions in French Guinea and French Sudan, however, was collected during the year 1930 and, in the case of the former colony, on 30 May 1930. The data can be divided into two groups according to their nature and the way in which they were obtained. The first includes all data concerning the general agricultural activity of the country and native agriculture, namely, forests and forest products, total cultivated area (and for some colonies the area devoted to the various crops), agricultural production, food crops, crops for export, gathered crops, agricultural machines employed, livestock and livestock products. To these are added, in the case of some colonies, data on irrigation and the use of fertilizers. All the data in this group are the result of estimates made at the time of the Census by the administrative services normally entrusted with the statistical estimates of agriculture.

The second group mainly concerns State concessions, which are granted, as a rule, to European settlers or companies. The data in this group are the same as those in the first. They were obtained not by estimates but by means of questionnaires sent to all those who worked such concessions. Except in the case of Ivory Coast, for which figures for the whole colony were indicated, duplicates of the replies to these questionnaires were submitted *tel quel*, concession by concession. This necessitated elaboration, which revealed gaps and gave rise to some difficulties of interpretation, the material supplied being neither complete nor clear in all cases. For certain colonies, namely French Guinea and Upper Volta, the replies referred only to some of the concessions. In the case of Dahomey, the total area of the concessions was not indicated. It has consequently been impossible in most cases to give totals

for the whole of French West Africa, on the one hand, and, on the other, it has been found necessary to add numerous notes to the tables showing the absence of uniformity in the data published.

The results presented in this Bulletin should not, therefore, be regarded as forming a complete account of the agricultural economy of French West Africa but rather as a first and, having regard to the condition of the country, comparatively successful attempt at a census, and one which will be useful as a framework when the next World Agricultural Census is taken.

The equivalents in acres of the area classifications appearing in the tables of this Bulletin are given below:

|             |   |          |
|-------------|---|----------|
| 20 hectares | = | 49 acres |
| 50 "        | = | 124 "    |
| 100 "       | = | 247 "    |
| 200 "       | = | 494 "    |
| 500 "       | = | 1,236 "  |
| 1,000 "     | = | 2,471 "  |
| 2,000 "     | = | 4,942 "  |

### I. — GENERAL DISTRIBUTION OF TERRITORY AND POPULATION.

| CLASSIFICATION                          | IVORY COAST   |                |                  | Dahomey       |                |                  |
|---|---------------|----------------|------------------|---------------|----------------|------------------|
|   | Absolute data | Percentage (%) |                  | Absolute data | Percentage (%) |                  |
|   |               | of sub-total   | of general total |               | of sub-total   | of general total |
|   | acres         | %              | %                | acres         | %              | %                |
| <b>CULTIVATED LAND:</b>                 |               |                |                  |               |                |                  |
| European crops (1)                      | 127,209       | 6.4            | 0.2 (5)          | 5,654         | 0.3            | 0.02             |
| Native crops                            | 1,846,000     | 93.6           | 2.3              | 2,079,695     | 99.7           | 6.9              |
| Total                                   | 1,973,209     | 100.0          | 2.5 (5)          | 2,085,349     | 100.0          | 6.9              |
| <b>WOODS AND FOREST</b>                 | 30,000,000    | 100.0          | 37.0             | 1,200,000     | 100.0          | 4.1              |
| <b>TERRITORIAL AREA (2)</b>             | 80,045,000    | —              | 100.0            | 30,170,000    | —              | 100.0            |
| <b>POPULATION (3):</b>                  |               |                |                  |               |                |                  |
| European                                | 3,287         | —              | 0.2 (6)          | 891           | —              | 0.1              |
| Native                                  | 1,802,465     | —              | 99.3 (7)         | 1,015,429     | —              | 99.7             |
| Other                                   | 8,927         | —              | 0.5 (8)          | 2,366         | —              | 0.2              |
| Total                                   | 1,814,679     | —              | 100.0            | 1,018,686     | —              | 100.0            |
| Density of population per 100 acres (*) | 2.3           | —              | —                | 3.4           | —              | —                |

(\*) See page 207. — (1) Cultivated area of land concessions granted to Europeans. — (2) Data from census of 1 January 1931. — (3) 1929 estimates. — (4) Including 2,812 French. — (5) Data incomplete (13 out of 45 concessions). — (6) 644 men, 191 women, 56 children. — (7) 361,004 men, 372,412 women, 282,013 children. — (8) 966 men, 744 women, 656 children.

### I. — GENERAL DISTRIBUTION OF TERRITORY AND POPULATION (continued).

| CLASSIFICATION                          | FRENCH GUINEA |                |                  | Upper Volta   |                |                  |
|---|---------------|----------------|------------------|---------------|----------------|------------------|
|   | Absolute data | Percentage (%) |                  | Absolute data | Percentage (%) |                  |
|   |               | of sub-total   | of general total |               | of sub-total   | of general total |
|   | acres         | %              | %                | acres         | %              | %                |
| <b>CULTIVATED LAND:</b>                 |               |                |                  |               |                |                  |
| European crops (1)                      | (4) 2,390     | 0.2            | 0.0              | 3,451         | 0.1            | 6.0              |
| Native crops                            | 1,560,000     | 99.8           | 2.5              | 4,028,538     | 99.9           | 5.6              |
| Total                                   | (4) 1,562,390 | 100.0          | 2.5              | 4,031,989     | 100.0          | 5.6              |
| <b>WOODS AND FOREST</b>                 | 10,000,000    | 100.0          | 15.9 (6)         | 4,577,800     | 100.0          | 6.3              |
| <b>TERRITORIAL AREA (2)</b>             | 61,993,500    | —              | 100.0            | 72,440,000    | —              | 100.0            |
| <b>POPULATION (3):</b>                  |               |                |                  |               |                |                  |
| European                                | (5) 1,496     | —              | 0.1              | 681           | —              | 0.02             |
| Native                                  | 2,217,799     | —              | 99.9             | 2,927,879     | —              | 100.0            |
| Other                                   | 972           | —              | 0.04             | 8             | —              | 0.0              |
| Total                                   | 2,220,267     | —              | 100.0            | 2,928,568     | —              | 100.0            |
| Density of population per 100 acres (*) | 3.6           | —              | —                | 4.0           | —              | —                |

(\*) See page 207. — (1) Cultivated area of land concessions granted to Europeans. — (2) Data from census of 1 January 1931. — (3) 1929 estimates. — (4) Data incomplete (37 out of 175 concessions, representing 39.6 % of the total area of the European concessions). — (5) Including 1,309 French. — (6) Including 2,100,000 acres of forest in the strict sense.

## I. — GENERAL DISTRIBUTION OF TERRITORY AND POPULATION (continued).

| CLASSIFICATION                          | MAURITANIA    |                |                  | NIGER TERRITORY |                |                  |
|---|---------------|----------------|------------------|-----------------|----------------|------------------|
|   | Absolute data | Percentage (%) |                  | Absolute data   | Percentage (%) |                  |
|   |               | of sub-total   | of general total |                 | of sub-total   | of general total |
|   | acres         | %              | %                | acres           | %              | %                |
| <b>CULTIVATED LAND:</b>                 |               |                |                  |                 |                |                  |
| European crops (1)                      | —             | —              | 0.1              | 2,336,000       | 100.0          | 0.8              |
| Native crops                            | 289,000       | 100.0          | —                | —               | —              | —                |
| Total                                   | 289,000       | 100.0          | 0.1              | 2,336,000       | 100.0          | 0.8              |
| WOODS AND FOREST                        | 19,600,000    | 100.0          | 5.2              | 7,000,000       | 100.0          | 2.5              |
| TERRITORIAL AREA (2)                    | 206,300,000   | —              | 100.0            | 291,460,000     | —              | 100.0            |
| <b>POPULATION (3):</b>                  |               |                |                  |                 |                |                  |
| European                                | 371           | —              | 0.1              | 312             | —              | 0.02             |
| Native                                  | 321,679       | —              | 99.9             | 1,477,466       | —              | 100.0            |
| Other                                   | —             | —              | —                | (4) 130         | —              | 0.0              |
| Total                                   | 322,050       | —              | 100.0            | 1,477,908       | —              | 100.0            |
| Density of population per 100 acres (*) | 0.2           | —              | —                | —               | 0.5            | —                |

(\*) See page 207. — (1) Cultivated area of land concessions granted to Europeans. — (2) Data from census of 1 January 1931. — (3) 1929 estimates. — (4) 105 Arabs, 21 half-caste, 4 various.

## I. — GENERAL DISTRIBUTION OF TERRITORY AND POPULATION (continued).

| CLASSIFICATION                          | SENEGAL        |                |                  | FRENCH SOUDAN   |                |                  |
|---|----------------|----------------|------------------|-----------------|----------------|------------------|
|   | Absolute data  | Percentage (%) |                  | Absolute data   | Percentage (%) |                  |
|   |                | of sub-total   | of general total |                 | of sub-total   | of general total |
|   | acres          | %              | %                | acres           | %              | %                |
| <b>CULTIVATED LAND:</b>                 |                |                |                  |                 |                |                  |
| European crops (1)                      | (4) (5) 9,071  | 0.3            | 0.02             | (4) 17,597      | 0.6            | 0.0              |
| Native crops                            | 3,313,835      | 99.7           | 6.7              | 3,086,828       | 99.4           | 0.9              |
| Total                                   | 3,322,906      | 100.0          | 6.7              | 3,098,425       | 100.0          | 0.9              |
| WOODS AND FOREST                        | (6) 12,730,000 | 100.0          | 25.6             | 11,000,000      | 100.0          | 3.1              |
| TERRITORIAL AREA (2)                    | 49,761,300     | —              | 100.0            | (8) 359,241,000 | —              | 100.0            |
| <b>POPULATION (3):</b>                  |                |                |                  |                 |                |                  |
| European                                | 3,057          | —              | 0.3              | (9) 2,089       | —              | 0.1              |
| Native                                  | (7) 1,220,236  | —              | 99.6             | 2,651,456       | —              | 99.9             |
| Other                                   | 1,593          | —              | 0.1              | (10) 490        | —              | 0.0              |
| Total                                   | 1,224,886      | —              | 100.0            | 2,654,035       | —              | 100.0            |
| Density of population per 100 acres (*) | 2.5            | —              | —                | 0.7             | —              | —                |

(\*) See page 207. — (1) Cultivated area of land concessions granted to Europeans. — (2) Data from census of 1 January 1931. — (3) 1929 estimates. — (4) Returns made in 1930. — (5) Including about 74 acres cultivated on native concessions. — (6) Including 370,664 acres of dense forest. — (7) Distribution according to races: Wolofs 388,515, Sereres 199,745, Peuls 181,551, Trossoulers 146,657, Diolas 104,446, Malinkés 65,883, Sarrakolés 22,042, Bambaras 17,275, Lebas 12,000, Meures 7,084, Bakates 4,960, various 50,662, foreign negroes 9,635. — (8) Including the Saharan territories. — (9) French. — (10) Foreigners.

## I. — GENERAL DISTRIBUTION OF TERRITORY AND POPULATION (concluded).

| CLASSIFICATION                          | TERRITORY OF DAKAR |                |                  | TOTAL OF FRENCH WEST AFRICA |                |                  |
|---|--------------------|----------------|------------------|-----------------------------|----------------|------------------|
|   | Absolute data      | Percentage (%) |                  | Absolute data               | Percentage (%) |                  |
|   |                    | of sub-total   | of general total |                             | of sub-total   | of general total |
|   | acres              | %              | %                | acres                       | %              | %                |
| <b>CULTIVATED LAND:</b>                 |                    |                |                  |                             |                |                  |
| European crops (1)                      | —                  | —              | —                | (5) 165,366                 | 0.9            | 0.01             |
| Native crops                            | 16,000             | 100.0          | 41.1             | 18,549,396                  | 99.1           | 1.6              |
| Total                                   | 16,000             | 100.0          | 41.1             | (5) 18,715,262              | 100.0          | 1.6              |
| WOODS AND FOREST                        | (4) 620            | 100.0          | 1.6              | 87,198,470                  | 100.0          | 7.6              |
| TERRITORIAL AREA (2)                    | 39,000             | —              | 100.0            | 1,151,490,000               | —              | 100.0            |
| <b>POPULATION (3):</b>                  |                    |                |                  |                             |                |                  |
| European                                | 5,064              | —              | 12.6             | 17,248                      | —              | 0.1              |
| Native                                  | 33,290             | —              | 82.9             | 13,667,699                  | —              | 99.8             |
| Other                                   | 1,798              | —              | 4.5              | 16,294                      | —              | 0.1              |
| Total                                   | 40,152             | —              | 100.0            | 13,701,231                  | —              | 100.0            |
| Density of population per 100 acres (*) | 102.8              | —              | —                | 1.2                         | —              | —                |

(\*) The percentages are those calculated from the original figures of area expressed in hectares. The slight differences between these percentages and those that would be obtained from the figures of area expressed in acres are due to the fact that some of the original figures are rounded. — (1) Cultivated area of land concessions granted to Europeans. — (2) Data from census of 1 January 1931. — (3) 1929 estimates. — (4) Including 370 acres reforested. — (5) Data incomplete (1,011 out of 1,171 concessions).

## 2. — EXPLOITATION OF FORESTS IN 1929.

| IVORY COAST                        | DAHOMEY                    | FRENCH GUINEA     | UPPER VOLTA                    |
|------------------------------------|----------------------------|-------------------|--------------------------------|
| <b>1. — LOCAL CONSUMPTION:</b>     |                            |                   |                                |
| no data available, increasing      | Teak . . . . . 1,250 picds | Building timber   | Timber . . . 26,777 thous. lb. |
| <b>2. — EXPORTS:</b>               |                            |                   |                                |
| a) Cabinet-making wood:            |                            |                   |                                |
| Mahogany . . . 122,350 thous. lb.  |                            | 655,666 cub. feet | Firewood 503,285 . . .         |
| Tuna . . . . . 13,984 . . .        |                            |                   | Charcoal 5,778 . . .           |
| Makoré . . . . . 11,934 . . .      |                            |                   |                                |
| Bessé . . . . . 7,906 . . .        |                            |                   |                                |
| Irako . . . . . 3,201 . . .        |                            |                   |                                |
| Total . . . . . 159,415 . . .      |                            |                   |                                |
| b) Ordinary wood:                  |                            |                   |                                |
| Avodiré . . . . . 8,626 thous. lb. |                            |                   |                                |
| Samba . . . . . 7,716 . . .        |                            |                   |                                |
| Niangou . . . . . 3,135 . . .      |                            |                   |                                |
| Mékrou . . . . . 1,967 . . .       |                            |                   |                                |
| Dahis . . . . . 1,504 . . .        |                            |                   |                                |
| Other . . . . . 15,031 . . .       |                            |                   |                                |
| Total . . . . . 37,579 . . .       |                            |                   |                                |
| General total 197,394 . . .        |                            |                   |                                |

## 2. — EXPLOITATION OF FORESTS IN 1929 (concluded).

| MAURITANIA                             | NIGER TERRITORY         | SENEGAL  | FRENCH SUDBAN                  | TERRITORY OF DAKAR |
|--|-------------------------|--|--------------------------------|--------------------|
| 1. — LOCAL CONSUMPTION:                | 1. — LOCAL CONSUMPTION: | 1. — LOCAL CONSUMPTION:  | 1. — LOCAL CONSUMPTION:        | NIL                |
| Dead wood and charcoal: 441 thous. lb. | no data available       | Timber, etc.: 600,352 cub. feet (1).   | Timber (2): 41,888 thous. lb.  |                    |
| Timber: 13 to 18 thous. lb.            |                         | Charcoal: 4,850 thous. lb. (1)   | Firewood: 16,094 thous. lb.    |                    |
|  |                         | Palm-oil: 5,489 imp. gall.   | Charcoal: 1,186,311 thous. lb. |                    |
| 2. — EXPORTS:                          | 2. — EXPORTS:           | 2. — EXPORTS:  | 2. — EXPORTS:                  |                    |
| nil                                    | Rubber.<br>Kapok.       | Rubber: 2,756 thous. lb.<br>Palm-oil: 1,900 imp. gall.<br>Palm kernels: 6,614 thous. lb. | nil                            |                    |

(1) Quantity taxed only, i. e., quantity entering into trade; the natives retain all rights of cutting for firewood or building purposes. — (2) Native consumption (boats, mortars, pestles).

## 3. — NUMBER AND AREA OF EUROPEAN CONCESSIONS IN 1929.

| CLASSIFICATION   | Ivory Coast           |                                  |                             | Dahomey (1)           |                                  |                             |
|--|-----------------------|----------------------------------|-----------------------------|-----------------------|----------------------------------|-----------------------------|
|  | Number of concessions | Total area granted in concession | Average area per concession | Number of concessions | Total area granted in concession | Average area per concession |
|  | number                | acres                            | acres                       | number                | acres                            | acres                       |
| AGRICULTURAL CONCESSIONS WORKED:                           |                       |                                  |                             |                       |                                  |                             |
| Provisional . . . . .                                      | —                     | —                                | —                           | —                     | —                                | —                           |
| Definitive . . . . .                                       | —                     | —                                | —                           | —                     | —                                | —                           |
| Total . . . . .  | 906                   | 213,680                          | 235.9                       | 45                    | ...                              | ...                         |
| Agricultural concessions abandoned or not worked . . . . . | —                     | —                                | —                           | —                     | —                                | —                           |
| General total . . . . .                                    | 906                   | 213,680                          | 235.9                       | 45                    | ...                              | ...                         |

(1) Year 1930: total area of concession not indicated.

## 3. — NUMBER AND AREA OF EUROPEAN CONCESSIONS IN 1929 (concluded).

| CLASSIFICATION   | FRENCH GUINEA         |                                  |                             | UPPER VOLTA           |                                  |                             |
|--|-----------------------|----------------------------------|-----------------------------|-----------------------|----------------------------------|-----------------------------|
|  | Number of concessions | Total area granted in concession | Average area per concession | Number of concessions | Total area granted in concession | Average area per concession |
|  | number                | acres                            | acres                       | number                | acres                            | acres                       |
| AGRICULTURAL CONCESSIONS WORKED:                           |                       |                                  |                             |                       |                                  |                             |
| Provisional . . . . .                                      | 111                   | 28,645                           | 258.1                       | 1                     | 470                              | 470.0                       |
| Definitive . . . . .                                       | 64                    | 13,865                           | 216.6                       | 10                    | 8,169                            | 816.9                       |
| Total . . . . .  | 175                   | 42,510                           | 242.9                       | 11                    | 8,639                            | 785.4                       |
| Agricultural concessions abandoned or not worked . . . . . | —                     | —                                | —                           | 1                     | 4,942                            | 4,942.0                     |
| General total . . . . .                                    | 175                   | 42,510                           | 242.9                       | (1) 12                | 13,581                           | 1,131.7                     |

| CLASSIFICATION   | SENEGAL               |                                  |                             | FRENCH SUDBAN         |                                  |                             |
|--|-----------------------|----------------------------------|-----------------------------|-----------------------|----------------------------------|-----------------------------|
|  | Number of concessions | Total area granted in concession | Average area per concession | Number of concessions | Total area granted in concession | Average area per concession |
|  | number                | acres                            | acres                       | number                | acres                            | acres                       |
| AGRICULTURAL CONCESSIONS WORKED:                           |                       |                                  |                             |                       |                                  |                             |
| Provisional . . . . .                                      | (2) 27                | 33,028                           | 1,223.3                     | (5) 15                | 31,666                           | 2,111.4                     |
| Definitive . . . . .                                       | (3) 12                | 5,997                            | 499.7                       | 10                    | 14,187                           | 1,418.7                     |
| Total . . . . .  | 39                    | 39,025                           | 1,000.6                     | 25                    | 45,853                           | 1,834                       |
| Agricultural concessions abandoned or not worked . . . . . | 4                     | 6,257                            | 1,564.2                     | 2                     | 4,396                            | 2,198.0                     |
| General total . . . . .                                    | (4) 43                | 45,282                           | 1,053.1                     | (6) 27                | 50,249                           | 1,854.4                     |

| CLASSIFICATION   | TOTAL OF FRENCH WEST AFRICA (7) |                                  |                             |
|--|---------------------------------|----------------------------------|-----------------------------|
|  | Number of concessions           | Total area granted in concession | Average area per concession |
|  | number                          | acres                            | acres                       |
| AGRICULTURAL CONCESSIONS WORKED:                           |                                 |                                  |                             |
| Provisional . . . . .                                      | —                               | —                                | —                           |
| Definitive . . . . .                                       | —                               | —                                | —                           |
| Total . . . . .  | 1,136                           | 340,737                          | 302.4                       |
| Agricultural concessions abandoned or not worked . . . . . | 7                               | 15,595                           | 2,227.8                     |
| General total . . . . .                                    | 1,163                           | 365,332                          | 314.0                       |

(1) Farming 5 holdings. — (2) Including 8 concessions granted to natives, with total area of 71 acres. — (3) Including, under same conditions, 2 concessions, with total area of 27 acres. — (4) Excluding 1 unspecified and 3 non-agricultural concessions, with total area of 679 acres. — (5) Excluding 2 precarious concessions with total area of 2,965 acres, which do not affect crop or plantation acreage, but are annexed to agricultural holdings. A concession of 2,471 acres is given as "provisional and precarious." — (6) Farming 17 holdings in same area including 1 provisional and 1 definitive concession. — (7) Excluding Dahomey, owing to absence of information, and Mauritania, Niger Territory and Dakar, where no concessions exist.



## 4. — AREA CULTIVATED (OR CLEARED) ON EUROPEAN CONCESSIONS IN 1929.

| CLASSIFICATION                   | IVORY COAST                        |  |   | Dahomey (1)                        |  |   |
|----------------------------------|------------------------------------|--|---|------------------------------------|--|---|
|                                  | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions |
|                                  | acres                              | acres                                  | %   | acres                              | acres                                  | %   |
| AGRICULTURAL CONCESSIONS WORKED: |                                    |  |   |                                    |  |   |
| Provisional . . . . .            | —                                  | —                                      | —   | —                                  | —                                      | —   |
| Definitive . . . . .             | —                                  | —                                      | —   | —                                  | —                                      | —   |
| Unspecified . . . . .            | —                                  | —                                      | —   | —                                  | —                                      | —   |
| Total . . . . .                  | 127,209                            | 140.4                                  | 59.5  | 5,654                              | 434.9                                  | —   |
| General total (2) . . . . .      | 127,209                            | 140.4                                  | 59.5  | 5,654                              | 434.9                                  | —   |

(1) Data incomplete for 13 out of 45 concessions. — (2) Including concessions not worked or abandoned.

## 4. — AREA CULTIVATED (OR CLEARED) ON EUROPEAN CONCESSIONS IN 1929 (continued).

| CLASSIFICATION                   | FRENCH GUINEA (1)                  |  |   | Upper Volta                        |  |   |
|----------------------------------|------------------------------------|--|---|------------------------------------|--|---|
|                                  | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions |
|                                  | acres                              | acres                                  | %   | acres                              | acres                                  | %   |
| AGRICULTURAL CONCESSIONS WORKED: |                                    |  |   |                                    |  |   |
| Provisional . . . . .            | (2) 1,480                          | 82.2                                   | 15.2  | 106                                | 106.0                                  | 22.6  |
| Definitive . . . . .             | (3) 156                            | 39.0                                   | 22.7  | 3,349                              | 334.9                                  | 41.0  |
| Unspecified . . . . .            | (4) 744                            | 49.6                                   | 11.6  | —                                  | —                                      | —   |
| Total . . . . .                  | 2,380                              | 64.3                                   | 14.1  | 3,455                              | 314.1                                  | 40.0  |
| General total (5) . . . . .      | 2,380                              | 64.3                                   | 14.1  | 3,455                              | 287.9                                  | 25.4  |

(1) Data incomplete, returns made in 1930 relating to 37 concessions out of 175, forming 53 holdings with a total area of 15,816 acres (39.6% of whole area). — (2) 18 concessions forming 16 holdings with a total area of 9,719 acres. — (3) 4 concessions, including one provisional, forming 2 holdings with a total area of 697 acres. — (4) 15 concessions forming 15 holdings with a total area of 3,420 acres. — (5) Including concessions not worked or abandoned.

## 4. — AREA CULTIVATED (OR CLEARED) ON EUROPEAN CONCESSIONS IN 1929 (continued).

| CLASSIFICATION                   | Senegal                            |  |   | FRENCH SOUDAN (1)               |                                    |  |   |
|----------------------------------|------------------------------------|--|---|---------------------------------|------------------------------------|--|---|
|                                  | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions | Area cleared in all concessions | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions |
|                                  | acres                              | acres                                  | %   | acres                           | acres                              | acres                                  | %   |
| AGRICULTURAL CONCESSIONS WORKED: |                                    |  |   |                                 |                                    |  |   |
| Provisional . . . . .            | 6,442                              | 238.6                                  | 19.5  | —                               | —                                  | —                                      | —   |
| Definitive . . . . .             | 2,629                              | 219.1                                  | 43.8  | —                               | —                                  | —                                      | —   |
| Unspecified . . . . .            | —                                  | —                                      | —   | —                               | —                                  | —                                      | —   |
| Total . . . . .                  | 9,071                              | 232.6                                  | 23.2  | 28,783                          | 17,597                             | 703.9                                  | 38.4  |
| General total (2) . . . . .      | 9,071                              | 211.0                                  | 20.0 (3)  | 28,783                          | 17,597                             | 651.7                                  | 35.0  |

(1) Returns made in 1930. — (2) Including concessions not worked or abandoned. — (3) Representing an average of 1,151 acres per concession, and a proportion of 62.7% of total cultivated land on all concessions worked, an average of 1,066 acres and 57.3% of total area of concessions.

## 4. — AREA CULTIVATED (OR CLEARED) ON EUROPEAN CONCESSIONS IN 1929 (concluded).

| CLASSIFICATION                   | TOTAL OF FRENCH WEST AFRICA (1)    |  |   |
|----------------------------------|------------------------------------|--|---|
|                                  | Area cultivated in all concessions | Average area cultivated per concession | Proportion of total area brought under cultivation in all concessions |
|                                  | acres                              | acres                                  | %   |
| AGRICULTURAL CONCESSIONS WORKED: |                                    |  |   |
| Provisional . . . . .            | —                                  | —                                      | —   |
| Definitive . . . . .             | —                                  | —                                      | —   |
| Unspecified . . . . .            | —                                  | —                                      | —   |
| Total . . . . .                  | 165,366                            | 143.1 (2)                              | 47.3  |
| General total (3) . . . . .      | 165,366                            | 142.1 (2)                              | 45.3  |

(1) Excluding Mauritania, Niger Territory and Dahir, where no concessions exist. Figures relate to 1,028 out of 1,268 concessions. — (2) Excluding Dahomey, owing to absence of information. — (3) Including concessions not worked or abandoned.

5. — UTILIZATION OF CULTIVATED LAND ON EUROPEAN HOLDINGS IN 1929 <sup>(1)</sup>.

| CLASSIFICATION  | IVORY COAST (2) |                     | DAHOMY (3)      |                     | FRENCH GUINEA (4) (5) |                     |
|---|-----------------|---------------------|-----------------|---------------------|-----------------------|---------------------|
|   | Cultivated area |                     | Cultivated area |                     | Cultivated area       |                     |
|   | Absolute data   | Percentage of total | Absolute data   | Percentage of total | Absolute data         | Percentage of total |
|   | acres           | %                   | acres           | %                   | acres                 | %                   |
| <b>Food crops:</b>  |                 |                     |                 |                     |                       |                     |
| <i>Cereals:</i>   |                 |                     |                 |                     |                       |                     |
| Milze . . . . .   | —               | —                   | —               | —                   | —                     | —                   |
| Millet . . . . .  | —               | —                   | —               | —                   | 719                   | 30.2                |
| Rice . . . . .  | —               | —                   | —               | —                   | —                     | —                   |
| <b>Total . . . . .</b>  | —               | —                   | (6)             | —                   | 719                   | 30.2                |
| <i>Leguminous crops for food . . . . .</i>                                    | —               | —                   | —               | —                   | —                     | —                   |
| <i>Tubers and roots:</i>  |                 |                     |                 |                     |                       |                     |
| Manioc . . . . .  | —               | —                   | —               | —                   | 18                    | 0.7                 |
| <i>Various food crops (truck crops, pimento, crops unspecified) . . . . .</i> | —               | —                   | 59              | 1.0 (9)             | 94                    | 4.0                 |
| <b>Total food crops . . . . .</b>   | —               | —                   | 59              | 1.0                 | 831                   | 34.9                |
| <b>CROPS FOR INDUSTRIAL PURPOSES</b>  |                 |                     |                 |                     |                       |                     |
| <i>Textile plants:</i>  |                 |                     |                 |                     |                       |                     |
| Cotton . . . . .  | 741             | 0.6                 | —               | —                   | —                     | —                   |
| Sisal . . . . .   | 3,966           | 3.1                 | —               | —                   | —                     | —                   |
| Kapak . . . . .   | 1,977           | 1.6                 | —               | —                   | (10) 10               | 0.4                 |
| Dah . . . . .   | —               | —                   | —               | —                   | —                     | —                   |
| <b>Total . . . . .</b>  | 6,684           | 5.3                 | —               | —                   | 10                    | 0.4                 |
| <i>Oil-yielding plants:</i>   |                 |                     |                 |                     |                       |                     |
| Groundnuts . . . . .  | 1,483           | 1.2                 | —               | —                   | —                     | —                   |
| Castor oil . . . . .  | —               | —                   | 1,967           | 34.8 (11)           | 148                   | 6.2                 |
| Oil-palm . . . . .  | 7,907           | 6.2                 | 3,055           | 54.0 (10)           | 10                    | 0.4                 |
| Coconuts . . . . .  | 370             | 0.3                 | —               | —                   | —                     | —                   |
| <b>Total . . . . .</b>  | 9,767           | 7.7                 | 5,022           | 88.8                | 158                   | 6.6                 |
| <i>Fruit and flower crops:</i>  |                 |                     |                 |                     |                       |                     |
| Pineapples . . . . .  | —               | —                   | —               | —                   | 146                   | 6.2                 |
| Bananas . . . . .   | —               | —                   | —               | —                   | 803                   | 33.7                |
| Various fruit trees . . . . .   | —               | —                   | 7               | 0.1 (12)            | 2                     | 0.1                 |
| Aromatic plants . . . . .   | 689             | 0.5                 | —               | —                   | —                     | —                   |
| Ornamental plants . . . . .   | —               | —                   | 20              | 0.4                 | —                     | —                   |
| <b>Total . . . . .</b>  | 689             | 0.5                 | 27              | 0.5                 | 951                   | 40.0                |
| <i>Other crops for industrial purposes:</i>                                   |                 |                     |                 |                     |                       |                     |
| Cacao . . . . .   | 83,461          | 65.5                | —               | —                   | —                     | —                   |
| Coffee . . . . .  | 25,141          | 19.8 (7)            | 529             | 0.4 (13)            | 44                    | 1.9                 |
| Kola nut . . . . .  | 1,483           | 1.1                 | —               | —                   | (13) 119              | 5.0                 |
| Tobacco . . . . .   | —               | —                   | —               | —                   | 15                    | 0.6                 |
| Various crops, nurseries and unspecified . . . . .                            | —               | —                   | (8) 17          | 0.3                 | —                     | —                   |
| <b>Total . . . . .</b>  | 110,085         | 86.5                | 546             | 9.7                 | 178                   | 7.5                 |
| <b>Total crops for industrial purposes . . . . .</b>                          | 127,209         | 100.0               | 5,595           | 99.0                | 1,297                 | 54.5                |
| <b>CROPS NOT SPECIFIED . . . . .</b>  | —               | —                   | —               | —                   | 252                   | 10.6                |
| <b>General total of cultivated area . . . . .</b>                             | 127,209         | 100.0               | 5,654           | 100.0               | 2,380                 | 100.0               |

(1) No European concessions exist in Mauritania, Niger Territory and Dahir Territory. Data for Dahomey, French Guinea and apparently for Ivory Coast are incomplete. — (2) Data are incomplete for the whole of the concessions and refer only to industrial crops. — (3) Incomplete data relating to 15 out of 49 concessions. — (4) Year 1930. — (5) Incomplete data, relating to 37 concessions out of 175. — (6) A concession of 158 acres under cereals has been abandoned. — (7) Including 37 acres exclusively planted to coffee; in addition a certain number of acres under coconuts and vanilla. — (8) Including 12 acres under cacao and teak and in respect of 5 acres in the nursery, 39,600 plants are not specified. — (9) Including 12 acres of pimento and a small area under nursery cultivation. — (10) With intercalary crops for pig feeding. — (11) About 25,000 plants. — (12) Including certain fruit trees planted with other crops. — (13) Including 32 acres with the two crops in association.

5. — UTILIZATION OF CULTIVATED LAND ON EUROPEAN HOLDINGS IN 1929 <sup>(1)</sup> (concluded).

| CLASSIFICATION  | UPPER VOLTA     |                     | SENEGAL         |                     | FRENCH SUDBAN (1) |                     |
|---|-----------------|---------------------|-----------------|---------------------|-------------------|---------------------|
|   | Cultivated area |                     | Cultivated area |                     | Cultivated area   |                     |
|   | Absolute data   | Percentage of total | Absolute data   | Percentage of total | Absolute data     | Percentage of total |
|   | acres           | %                   | acres           | %                   | acres             | %                   |
| <b>Food crops:</b>  |                 |                     |                 |                     |                   |                     |
| <i>Cereals:</i>   |                 |                     |                 |                     |                   |                     |
| Milze . . . . .   | 15              | 0.4                 | —               | —                   | 22                | 0.1                 |
| Millet . . . . .  | 724             | 21.0                | 465             | 5.1 (7)             | 835               | 3.6                 |
| Rice . . . . .  | 42              | 1.2                 | 326             | 3.6                 | —                 | —                   |
| <b>Total . . . . .</b>  | 781             | 22.6                | 791             | 8.7                 | 657               | 3.7                 |
| <i>Leguminous crops for food . . . . .</i>                                    | —               | —                   | 49              | 0.5 (8)             | 752               | 4.3                 |
| <i>Roots and tubers:</i>  |                 |                     |                 |                     |                   |                     |
| Manioc . . . . .  | —               | —                   | 1,030           | 11.4 (9)            | 546               | 3.1                 |
| <i>Various food crops (truck crops, pimento, crops unspecified) . . . . .</i> | —               | —                   | (5) 101         | 1.1 (10)            | 146               | 0.8                 |
| <b>Total food crops . . . . .</b>   | 781             | 22.6                | 1,971           | 21.7                | 2,101             | 11.9                |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>   |                 |                     |                 |                     |                   |                     |
| <i>Textile plants:</i>  |                 |                     |                 |                     |                   |                     |
| Cotton . . . . .  | 195             | 5.7 (6)             | 2               | 0.03                | 1,250             | 7.1                 |
| Sisal . . . . .   | (2) 2,360       | 68.8                | 2,437           | 26.9 (11)           | 9,479             | 53.9                |
| Kapak . . . . .   | (3) —           | —                   | —               | —                   | (12) 1,421        | 8.0                 |
| Dah . . . . .   | —               | —                   | 124             | 1.3                 | —                 | —                   |
| <b>Total . . . . .</b>  | 2,555           | 74.5                | 2,563           | 28.2                | 12,150            | 69.0                |
| <i>Oil-yielding plants:</i>   |                 |                     |                 |                     |                   |                     |
| Groundnuts . . . . .  | 99              | 2.9                 | 2,204           | 25.0 (9)            | 2,017             | 11.5                |
| Castor oil . . . . .  | —               | —                   | (6) 119         | 1.3                 | 7                 | 0.04                |
| Oil-palm . . . . .  | —               | —                   | —               | —                   | —                 | —                   |
| Coconuts . . . . .  | —               | —                   | 7               | 0.1                 | —                 | —                   |
| <b>Total . . . . .</b>  | 99              | 2.9                 | 2,330           | 26.4                | 2,024             | 11.5                |
| <i>Fruit and flower crops:</i>  |                 |                     |                 |                     |                   |                     |
| Pineapples . . . . .  | —               | —                   | —               | —                   | —                 | —                   |
| Bananas . . . . .   | —               | —                   | —               | —                   | —                 | —                   |
| Various fruit trees . . . . .   | (4) —           | —                   | 133             | 1.5                 | —                 | —                   |
| Aromatic plants . . . . .   | —               | —                   | —               | —                   | —                 | —                   |
| Ornamental plants . . . . .   | —               | —                   | —               | —                   | —                 | —                   |
| <b>Total . . . . .</b>  | —               | —                   | 133             | 1.5                 | —                 | —                   |
| <i>Other crops for industrial purposes:</i>                                   |                 |                     |                 |                     |                   |                     |
| Cacao . . . . .   | —               | —                   | —               | —                   | —                 | —                   |
| Coffee . . . . .  | —               | —                   | —               | —                   | —                 | —                   |
| Kola nut . . . . .  | —               | —                   | —               | —                   | —                 | —                   |
| Tobacco . . . . .   | —               | —                   | 185             | 2.0                 | —                 | —                   |
| Various crops, nurseries and unspecified . . . . .                            | —               | —                   | (5) 99          | 1.1                 | —                 | —                   |
| <b>Total . . . . .</b>  | —               | —                   | 284             | 3.1                 | —                 | —                   |
| <b>Total crops for industrial purposes . . . . .</b>                          | 2,654           | 77.4                | 5,370           | 59.2                | 14,174            | 80.5                |
| <b>CROPS NOT SPECIFIED . . . . .</b>  | —               | —                   | 1,730           | 19.1 (13)           | 1,322             | 7.6                 |
| <b>General total of cultivated area . . . . .</b>                             | 3,455           | 100.0               | 9,071           | 100.0               | 17,597            | 100.0               |

(1) Year 1930. — (2) Including 2 acres in nursery and 524 acres planted with sisal and fruit-trees; there are also 313 plants in nursery. — (3) 524 acres are planted with sisal and fruit-trees; there are, besides, 11,330 plants in nursery. — (4) 60 mangoes, 15 guava trees and a certain number of trees planted with sisal and kapak. — (5) Approximate; mixed crops. — (6) In addition, a small area in mixed cultivation. — (7) Including 257 acres of millet mixed with various crops. — (8) 741 acres in niébes, and 10 acres in Coconuts. — (9) Including 235 acres under mixed cultivation of manioc and groundnuts. — (10) Vegetable gardens and fruit. — (11) In addition, 40,000 sisal plants on an area not specified. — (12) Including 1,260 acres with 30,000 kapak plants. — (13) Including 581 acres under groundnuts, millet, kapak, kauris, without other indication.

6. — DISTRIBUTION OF EUROPEAN CONCESSIONS AND HOLDINGS ACCORDING TO SIZE AND TO PROPORTION OF THEIR AREA UNDER CULTIVATION IN 1929 <sup>(1)</sup>.

| CLASSIFICATION                        | FRENCH GUINEA (3) (4)              |               |                         |  | UPPER VOLTA                        |               |                         |  |
|---------------------------------------|------------------------------------|---------------|-------------------------|--|------------------------------------|---------------|-------------------------|--|
|                                       | Number of concessions and holdings | Total area    |                         | Percentage of total area under cultivation (5) | Number of concessions and holdings | Total area    |                         | Percentage of total area under cultivation |
|                                       |                                    | Absolute data | Percentage of sub-total |  |                                    | Absolute data | Percentage of sub-total |  |
|                                       | number                             | acres         | %                       | %  | number                             | acres         | %                       | %  |
| <b>A. Lots granted by concession:</b> |                                    |               |                         |  |                                    |               |                         |  |
| Under 20 hectares . . . . .           | 3                                  | 62            | 0.4                     | —  | —                                  | —             | —                       | —  |
| 20 ha. and under 50 ha. . .           | 5                                  | 420           | 2.5                     | —  | 1                                  | 62            | 0.7                     | 100.0                                      |
| 50 " " " 100 " " . . .                | 8                                  | 1,470         | 8.6                     | —  | 2                                  | 309           | 3.6                     | 80.8                                       |
| 100 " " " 200 " " . . .               | 12                                 | 4,606         | 27.0                    | —  | 5                                  | 2,192         | 25.4                    | 36.9                                       |
| 200 " " " 500 " " . . .               | 5                                  | 4,515         | 26.4                    | —  | 2                                  | 1,134         | 13.1                    | 42.8                                       |
| 500 " " " 1,000 " " . . . (6)         | 4                                  | 6,015         | 35.1                    | —  | —                                  | —             | —                       | —  |
| 1,000 " " " 2,000 " " . . .           | —                                  | —             | —                       | —  | —                                  | —             | —                       | —  |
| 2,000 " " " over . . . . .            | —                                  | —             | —                       | —  | 1                                  | 4,942         | 57.2                    | 37.5                                       |
| Total . . . . .                       | 37                                 | 17,088        | 100.0                   | 15.3   | 11                                 | 8,639         | 100.0                   | 40.6                                       |
| <b>B. Holdings (2):</b>               |                                    |               |                         |  |                                    |               |                         |  |
| Under 20 hectares . . . . .           | 3                                  | 62            | 0.4                     | 80.0   | —                                  | —             | —                       | —  |
| 20 ha. and under 50 ha. . .           | 4                                  | 346           | 2.0                     | 35.0   | —                                  | —             | —                       | —  |
| 50 " " " 100 " " . . .                | 6                                  | 1,105         | 6.5                     | 37.8   | —                                  | —             | —                       | —  |
| 100 " " " 200 " " . . .               | 13                                 | 5,046         | 29.5                    | 19.4   | 4                                  | 1,742         | 20.2                    | 27.5                                       |
| 200 " " " 500 " " . . .               | 5                                  | 4,515         | 26.4                    | 5.5  | 3                                  | 1,955         | 22.6                    | 57.4                                       |
| 500 " " " 1,000 " " . . .             | 1                                  | 2,061         | 12.1                    | 8.3  | —                                  | —             | —                       | —  |
| 1,000 " " " 2,000 " " . . .           | 1                                  | 3,954         | 23.1                    | 10.0   | —                                  | —             | —                       | —  |
| 2,000 " " " over . . . . .            | —                                  | —             | —                       | —  | 1                                  | 4,942         | 57.2                    | 37.5                                       |
| Total . . . . . (7)                   | 33                                 | 17,088        | 100.0                   | 15.3   | 8                                  | 8,639         | 100.0                   | 40.6                                       |

(1) Data not available for Ivory Coast and Dahomey concessions. — (2) Consisting of one or several lots. — (3) Data incomplete: see tables 3 and 4. — (4) Year 1930. — (5) Particulars given only by holdings. — (6) Including 3 concessions grouped in a single holding of 3,954 acres, the separate areas being unknown. — (7) 27 owners only, including 6 companies, 2 Catholic mission settlements and one company of native settlers; one company owns 5 concessions, forming 5 holdings with a total area of 4,043 acres, of which 10.4 % is under cultivation; another company owns 3 holdings, including one consisting of 3 concessions, with a total area of 1,700 acres, of which 18.4 % is under cultivation.

6. — DISTRIBUTION OF EUROPEAN CONCESSIONS AND HOLDINGS ACCORDING TO SIZE AND TO PROPORTION OF THEIR AREA UNDER CULTIVATION IN 1929 <sup>(1)</sup> (concluded).

| CLASSIFICATION                        | SENEGAL (3)                        |               |                         |  | FRENCH SUMATRA (4)                 |               |                         |                          |                           |      |
|---------------------------------------|------------------------------------|---------------|-------------------------|--|------------------------------------|---------------|-------------------------|--------------------------|---------------------------|------|
|                                       | Number of concessions and holdings | Total area    |                         | Percentage of total area under cultivation | Number of concessions and holdings | Total area    |                         | Percentage of total area |                           |      |
|                                       |                                    | Absolute data | Percentage of sub-total |  |                                    | Absolute data | Percentage of sub-total | Cleared                  | Brought under cultivation |      |
|                                       | number                             | acres         | %                       | %  | number                             | acres         | %                       | %                        | %                         |      |
| <b>A. Lots granted by concession:</b> |                                    |               |                         |  |                                    |               |                         |                          |                           |      |
| Under 20 hectares . . . . . (5)       | 17                                 | 205           | 0.5                     | 69.1                                       | 4                                  | 126           | 0.3                     | —                        | —                         | —    |
| 20 ha. and under 50 ha. . .           | 6                                  | 467           | 1.2                     | 56.1                                       | —                                  | —             | —                       | —                        | —                         | —    |
| 50 " " " 100 " " . . .                | 1                                  | 143           | 0.4                     | 6.9  | 2                                  | 482           | 1.1                     | —                        | —                         | —    |
| 100 " " " 200 " " . . .               | 8                                  | 3,126         | 8.0                     | 35.0                                       | 3                                  | 1,312         | 2.9                     | —                        | —                         | —    |
| 200 " " " 500 " " . . .               | —                                  | —             | —                       | —  | (7)                                | 5 (7)         | 2,995                   | 6.6                      | —                         | —    |
| 500 " " " 1,000 " " . . .             | —                                  | —             | —                       | —  | 1                                  | 1,569         | 3.4                     | —                        | —                         | —    |
| 1,000 " " " 2,000 " " . . .           | 4                                  | 16,798        | 43.0                    | 37.3                                       | 6                                  | 19,447        | 42.8                    | —                        | —                         | —    |
| 2,000 " " " over . . . . .            | 3                                  | 18,286        | 46.9                    | 4.7  | 3                                  | 19,522        | 42.9                    | —                        | —                         | —    |
| Total . . . . . (6)                   | 39                                 | 39,025        | 100.0                   | 23.3                                       | (7)                                | 24 (7)        | 45,453                  | 100.0                    | —                         | —    |
| <b>B. Holdings (2):</b>               |                                    |               |                         |  |                                    |               |                         |                          |                           |      |
| Under 20 hectares . . . . .           | —                                  | —             | —                       | —  | 4                                  | 126           | 0.3                     | 54.9                     | 47.1                      | —    |
| 20 ha. and under 50 ha. . .           | —                                  | —             | —                       | —  | —                                  | —             | —                       | —                        | —                         | —    |
| 50 " " " 100 " " . . .                | —                                  | —             | —                       | —  | 1                                  | 235           | 0.5                     | 42.1                     | 31.6                      | —    |
| 100 " " " 200 " " . . .               | —                                  | —             | —                       | —  | 1                                  | 470           | 1.0                     | 100.0                    | 34.3                      | —    |
| 200 " " " 500 " " . . .               | —                                  | —             | —                       | —  | (7)                                | 2 (7)         | 1,483                   | 3.3                      | 41.7                      | 38.2 |
| 500 " " " 1,000 " " . . .             | —                                  | —             | —                       | —  | 2                                  | 3,568         | 7.8                     | 40.9                     | 29.4                      | —    |
| 1,000 " " " 2,000 " " . . .           | —                                  | —             | —                       | —  | (8)                                | 3             | 9,049                   | 20.0                     | 77.6                      | 61.3 |
| 2,000 " " " over . . . . .            | —                                  | —             | —                       | —  | (8)                                | 4             | 30,582                  | 67.1                     | 62.4                      | 33.1 |
| Total . . . . .                       | —                                  | —             | —                       | —  | (7)                                | 17 (7)        | 45,453                  | 100.0                    | 63.2                      | 38.7 |

(1) Data not available for Ivory Coast and Dahomey concessions. — (2) Consisting of one or several lots. — (3) No concessionary holds more than one concession. — (4) Year 1930. — (5) Including 10 native concessions with a total area of 99 acres, nearly all under cultivation. — (6) Six of these belong to companies (viz., one of 492 acres, 3 between 2,471 and 4,942 acres, 2 of more than 4,942 acres; 24.5 % under cultivation in all. — (7) Not counting a concession of 420 acres belonging to a single company for which no data are available. — (8) Belonging to companies, one of which owns 3 holdings (7 concessions) of a total extent of 12,637 acres (43.0 % cleared, 23.5 % under cultivation).

7. — DISTRIBUTION OF EUROPEAN HOLDINGS ACCORDING TO KIND OF CROP AND SIZE IN 1929 <sup>(1)</sup>.

| CLASSIFICATION  | DAHOMEY (2)        |                 |              |                  | FRENCH GUINEA (3) (4) |                 |              |                  |
|---|--------------------|-----------------|--------------|------------------|-----------------------|-----------------|--------------|------------------|
|   | Number of holdings | Area cultivated |              |                  | Number of holdings    | Area cultivated |              |                  |
|   |                    | Absolute data   | Percentage   |                  |                       | Absolute data   | Percentage   |                  |
|   |                    |                 | of sub-total | of general total |                       |                 | of sub-total | of general total |
| number  | acres              | %               | %            | number           | acres                 | %               | %            |                  |
| <b>A. HOLDINGS EXCLUSIVELY OR MAINLY GROWING FOOD CROPS (5)</b> |                    |                 |              |                  |                       |                 |              |                  |
| Under 20 hectares . . . . .                                     | —                  | —               | —            | —                | 1                     | 20              | 2.5          | 0.8              |
| 20 ha. and under 50 ha. . . . .                                 | 1                  | 52              | 100.0        | 0.5              | —                     | —               | —            | —                |
| 50 " " " 100 " " " (6)  | —                  | —               | —            | —                | 1                     | 8               | 1.0          | 0.3              |
| 100 " " " 200 " " " . . . . .                                   | —                  | —               | —            | —                | 3                     | 356             | 45.9         | 15.1             |
| 200 " " " 500 " " " . . . . .                                   | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .                                 | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .                               | —                  | —               | —            | —                | 1                     | 395             | 50.6         | 16.6             |
| 2,000 " " " over . . . . .                                      | —                  | —               | —            | —                | —                     | —               | —            | —                |
| Total A . . . . .   | 1                  | 52              | 100.0        | 0.5              | 5                     | 781             | 100.0        | 32.8             |
| including:  |                    |                 |              |                  |                       |                 |              |                  |
| Area of non-food crops . . . . .                                | —                  | —               | —            | —                | —                     | —               | —            | —                |
| <b>B. HOLDINGS EXCLUSIVELY OR MAINLY GROWING FRUIT (3)</b>      |                    |                 |              |                  |                       |                 |              |                  |
| Under 20 hectares . . . . .                                     | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 20 ha. and under 50 ha. . . . .                                 | —                  | —               | —            | —                | 2                     | 77              | 7.9          | 3.2              |
| 50 " " " 100 " " " . . . . .                                    | —                  | —               | —            | —                | 3                     | 84              | 8.8          | 3.5              |
| 100 " " " 200 " " " . . . . .                                   | —                  | —               | —            | —                | 8                     | 395             | 40.6         | 16.6             |
| 200 " " " 500 " " " . . . . .                                   | —                  | —               | —            | —                | 4                     | 245             | 25.1         | 10.3             |
| 500 " " " 1,000 " " " . . . . .                                 | —                  | —               | —            | —                | 1                     | 175             | 17.8         | 7.3              |
| 1,000 " " " 2,000 " " " . . . . .                               | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 2,000 " " " over . . . . .                                      | —                  | —               | —            | —                | —                     | —               | —            | —                |
| Total B . . . . .   | —                  | —               | —            | —                | 12                    | 509             | 100.0        | 21.4             |
| including:  |                    |                 |              |                  | 6                     | 465             | —            | 19.5             |
| Area not growing fruit . . . . .                                | —                  | —               | —            | —                | —                     | 40              | —            | —                |

(a) Holdings on which are grown exclusively food (including fruit) or industrial crops. — (b) Holdings on which are grown mainly but not exclusively food (including fruit) or industrial crops.

(1) No information for Ivory Coast. — (2) Data incomplete, relating to 13 out of 45 concessions; distribution according to area cultivated, the total extent of concessions not being known. — (3) Year 1930. — (4) Data incomplete, covering 37 out of 175 concessions. — (5) At least two-thirds under food (including fruit) or industrial crops. — (6) One concession of 158 acres under cereals has been abandoned.

7. — DISTRIBUTION OF EUROPEAN HOLDINGS ACCORDING TO KIND OF CROP AND SIZE IN 1929 <sup>(1)</sup> (continued).

| CLASSIFICATION   | DAHOMEY (2)        |                 |              |                  | FRENCH GUINEA (3) (4) |                 |              |                  |
|--|--------------------|-----------------|--------------|------------------|-----------------------|-----------------|--------------|------------------|
|  | Number of holdings | Area cultivated |              |                  | Number of holdings    | Area cultivated |              |                  |
|  |                    | Absolute data   | Percentage   |                  |                       | Absolute data   | Percentage   |                  |
|  |                    |                 | of sub-total | of general total |                       |                 | of sub-total | of general total |
| number   | acres              | %               | %            | number           | acres                 | %               | %            |                  |
| <b>C. HOLDINGS EXCLUSIVELY OR MAINLY GROWING CROPS FOR INDUSTRIAL PURPOSES (5)</b> |                    |                 |              |                  |                       |                 |              |                  |
| Under 20 hectares . . . . .  | 3                  | 84              | 1.5          | 1.5 (8)          | 1                     | 10              | 3.2          | 0.4              |
| 20 ha. and under 50 ha. . . . .  | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 50 " " " 100 " " " . . . . .   | 2                  | 247             | 4.4          | 4.4              | 1                     | 131             | 41.7         | 5.5              |
| 100 " " " 200 " " " . . . . .  | 2                  | 665             | 12.0         | 11.8             | 1                     | 175             | 55.1         | 7.3              |
| 200 " " " 500 " " " . . . . .  | 2                  | 1,300           | 23.4         | 23.0             | —                     | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .  | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .  | 1                  | 3,259           | 58.7         | 57.6             | —                     | —               | —            | —                |
| 2,000 " " " over . . . . .   | —                  | —               | —            | —                | —                     | —               | —            | —                |
| Total C . . . . .  | 9                  | 5,513           | 100.0        | 97.5             | 2                     | 183             | 100.0        | 7.7              |
| including:   |                    |                 |              |                  |                       |                 |              |                  |
| Area not growing crops for industrial purposes . . . . .                           | —                  | 5               | —            | —                | —                     | 7               | —            | —                |
| <b>D. MIXED (6) OR UNSPECIFIED HOLDINGS:</b>                                       |                    |                 |              |                  |                       |                 |              |                  |
| Under 20 hectares . . . . .  | 1                  | 47              | 100.0        | 0.8              | 1                     | 20              | 6.3          | 0.8              |
| 20 ha. and under 50 ha. . . . .  | —                  | —               | —            | —                | 2 (9)                 | 44              | 14.3         | 1.9              |
| 50 " " " 100 " " " . . . . .   | —                  | —               | —            | —                | 1                     | 195             | 62.7         | 8.2              |
| 100 " " " 200 " " " . . . . .  | —                  | —               | —            | —                | 2 (10)                | 52              | 16.7         | 2.2              |
| 200 " " " 500 " " " . . . . .  | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .  | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .  | —                  | —               | —            | —                | —                     | —               | —            | —                |
| 2,000 " " " over . . . . .   | —                  | —               | —            | —                | —                     | —               | —            | —                |
| Total D . . . . .  | 2                  | 47              | 100.0        | 0.8              | 6                     | 311             | 100.0        | 13.1             |
| General total . . . . .  | 12                 | 5,654           | —            | 100.0            | 33                    | 2,380           | —            | 100.0            |
| including:   |                    |                 |              |                  |                       |                 |              |                  |
| Area of food crops . . . . .   | —                  | 59              | —            | 1.0              | —                     | 831             | —            | 34.9             |
| • of fruit . . . . .   | —                  | 7               | —            | 0.1              | —                     | 951             | —            | 40.0             |
| • of crops for industrial purposes . . . . .                                       | —                  | 5,588           | —            | 98.9             | —                     | 346             | —            | 14.5             |
| • of miscellaneous unspecified . . . . .   | —                  | —               | —            | —                | —                     | 252             | —            | 10.6             |

(a) Holdings on which are grown exclusively food (including fruit) or industrial crops. — (b) Holdings on which are grown mainly but not exclusively food (including fruit) or industrial crops.

(1) No information for Ivory Coast. — (2) Data incomplete, relating to 13 out of 45 concessions; distribution according to area cultivated, the total extent of concessions not being known. — (3) Year 1930. — (4) Data incomplete, covering 37 out of 175 concessions. — (5) At least two-thirds under food (including fruit) or industrial crops. — (6) Less than two-thirds under food (including fruit) or industrial crops. — (7) One concession of 255 acres is under coffee but area of cultivation is not indicated. — (8) With inter-cultured crops for pig-raising. — (9) Not specified. — (10) 12 acres on one concession not specified.

7. — DISTRIBUTION OF EUROPEAN HOLDINGS ACCORDING TO KIND OF CROP AND SIZE IN 1929 <sup>(1)</sup> (continued).

| CLASSIFICATION   | Upper Volta        |                 |              |                  | Sénegal            |                 |              |                  |
|--|--------------------|-----------------|--------------|------------------|--------------------|-----------------|--------------|------------------|
|  | Number of holdings | Area cultivated |              |                  | Number of holdings | Area cultivated |              |                  |
|  |                    | Absolute data   | Percentage   |                  |                    | Absolute data   | Percentage   |                  |
|  |                    |                 | of sub-total | of general total |                    |                 | of sub-total | of general total |
| number   | acres              | %               | %            | number           | acres              | %               | %            |                  |
| <b>A. HOLDINGS EXCLUSIVELY OR MAINLY GROWING FOOD CROPS (2):</b> |                    |                 |              |                  |                    |                 |              |                  |
| Under 20 hectares . . . . .                                      | —                  | —               | —            | —                | 3                  | 30              | 1.7          | 0.5              |
| 20 ha. and under 50 ha. . . . .                                  | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 50 " " " 100 " " " . . . . .                                     | 2 (3)              | 378             | 38.9         | 10.9             | —                  | —               | —            | —                |
| 100 " " " 200 " " " . . . . .                                    | 2 (4)              | 595             | 61.1         | 17.2             | 3                  | 647             | 36.2         | 7.1              |
| 200 " " " 500 " " " . . . . .                                    | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .                                  | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .                                | —                  | —               | —            | —                | 1                  | 1,112           | 62.1         | 12.5             |
| 2,000 " " " over . . . . .                                       | —                  | —               | —            | —                | —                  | —               | —            | —                |
| Total A . . . . .  | 4                  | 971             | 100.0        | 28.1             | 4                  | 576             | 100.0        | 6.3              |
| including:   |                    |                 |              |                  | 3                  | 1,213           |              | 13.4             |
| Area of non-food crops . . . . .                                 | —                  | 222             | —            | —                | —                  | 393             | —            | —                |
| <b>B. HOLDINGS EXCLUSIVELY OR MAINLY GROWING FRUIT (2):</b>      |                    |                 |              |                  |                    |                 |              |                  |
| Under 20 hectares . . . . .                                      | —                  | —               | —            | —                | 5                  | 30              | 44.4         | 0.3              |
| 20 ha. and under 50 ha. . . . .                                  | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 50 " " " 100 " " " . . . . .                                     | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 100 " " " 200 " " " . . . . .                                    | —                  | —               | —            | —                | 1                  | 37              | 55.6         | 0.4              |
| 200 " " " 500 " " " . . . . .                                    | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .                                  | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .                                | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 2,000 " " " over . . . . .                                       | —                  | —               | —            | —                | —                  | —               | —            | —                |
| Total B . . . . .  | 6                  | —               | —            | —                | 6                  | 67              | 100.0        | 0.7              |
| including:   |                    |                 |              |                  | —                  | —               | —            | —                |
| Area not growing fruit . . . . .                                 | —                  | —               | —            | —                | —                  | —               | —            | —                |

(a) Holdings on which are grown exclusively food (including fruit) or industrial crops. — (b) Holdings on which are grown mainly but not exclusively food (including fruit) or industrial crops.

(1) No information for Ivory Coast. — (2) At least two-thirds under food (including fruit) or industrial crops. — (3) In addition 4,700 kapok trees and cissal plants and 35 fruit trees. — (4) In addition 6,940 kapok trees and 40 mangoes.

7. — DISTRIBUTION OF EUROPEAN HOLDINGS ACCORDING TO KIND OF CROP AND SIZE IN 1929 <sup>(1)</sup> (continued).

| CLASSIFICATION  | Upper Volta        |                 |              |                  | Sénegal            |                 |              |                  |
|---|--------------------|-----------------|--------------|------------------|--------------------|-----------------|--------------|------------------|
|   | Number of holdings | Area cultivated |              |                  | Number of holdings | Area cultivated |              |                  |
|   |                    | Absolute data   | Percentage   |                  |                    | Absolute data   | Percentage   |                  |
|   |                    |                 | of sub-total | of general total |                    |                 | of sub-total | of general total |
| number  | acres              | %               | %            | number           | acres              | %               | %            |                  |
| <b>C. HOLDINGS EXCLUSIVELY OR MAINLY GROWING CROPS FOR INDUSTRIAL PURPOSES (2):</b> |                    |                 |              |                  |                    |                 |              |                  |
| Under 20 hectares . . . . .   | —                  | —               | —            | —                | 3                  | 27              | 0.6          | 0.3              |
| 20 ha. and under 50 ha. . . . .   | —                  | —               | —            | —                | 3                  | 112             | 2.2          | 1.2              |
| 50 " " " 100 " " " . . . . .  | —                  | —               | —            | —                | 1                  | 10              | 0.2          | 0.1              |
| 100 " " " 200 " " " . . . . .   | 1                  | 106             | 4.3          | 3.1              | 3                  | 311             | 6.2          | 3.5              |
| 200 " " " 500 " " " . . . . .   | 2                  | 524             | 21.1         | 15.2             | —                  | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .   | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .   | —                  | —               | —            | —                | 2                  | 3,237           | 64.8         | 35.7             |
| 2,000 " " " over . . . . .  | 1                  | 1,854           | 74.6         | 53.6             | 1                  | 1,297           | 26.0         | 14.3             |
| Total C . . . . .   | 4                  | 2,378           | 100.0        | 68.8             | 9                  | 2,866           | 100.0        | 31.6             |
| including:  |                    |                 |              |                  | 4                  | 2,128           |              | 23.5             |
| Area not growing crops for industrial purposes . . . . .                            | —                  | 32              | —            | —                | —                  | 474             | —            | —                |
| <b>D. MIXED (3) OR UNSPECIFIED HOLDINGS:</b>  |                    |                 |              |                  |                    |                 |              |                  |
| Under 20 hectares . . . . .   | —                  | —               | —            | —                | 6                  | 57              | 2.6          | 0.6              |
| 20 ha. and under 50 ha. . . . .   | —                  | —               | —            | —                | 3                  | 150             | 6.8          | 1.7              |
| 50 " " " 100 " " " . . . . .  | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 100 " " " 200 " " " . . . . .   | —                  | —               | —            | —                | 1                  | 99              | 4.4          | 1.1              |
| 200 " " " 500 " " " . . . . .   | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 500 " " " 1,000 " " " . . . . .   | —                  | —               | —            | —                | —                  | —               | —            | —                |
| 1,000 " " " 2,000 " " " . . . . .   | —                  | —               | —            | —                | 1 (4)              | 1,855           | 83.4         | 20.4             |
| 2,000 " " " over . . . . .  | —                  | —               | —            | —                | 2 (5)              | 62              | 2.8          | 0.7              |
| Total D . . . . .   | —                  | —               | —            | —                | 13                 | 2,221           | 100.0        | 24.5             |
| General total . . . . .   | 8                  | 3,455           | —            | 100.0            | 39                 | 9,071           | —            | 100.0            |
| including:  |                    |                 |              |                  |                    |                 |              |                  |
| Area of food crops . . . . .  | —                  | 781             | —            | 22.6             | —                  | 1,571           | —            | 21.7             |
| • of fruit . . . . .  | —                  | —               | —            | —                | —                  | 133             | —            | 1.5              |
| • of crops for industrial purposes . . . . .  | —                  | 2,674           | —            | 77.4             | —                  | 5,237           | —            | 57.7             |
| • of miscellaneous unspecified . . . . .  | —                  | —               | —            | —                | —                  | 1,730           | —            | 19.1             |

(a) Holdings on which are grown exclusively food (including fruit) or industrial crops. — (b) Holdings on which are grown mainly but not exclusively food (including fruit) or industrial crops.

(1) No information for Ivory Coast. — (2) At least two-thirds under food (including fruit) or industrial crops. — (3) Less than two-thirds under food (including fruit) or industrial crops. — (4) 185 acres tobacco, remainder not specified. — (5) Not specified.



8. — PRODUCTION AND UNIT-YIELDS ON EUROPEAN CONCESSIONS IN 1929 (1).

| CROPS                                    | IVORY COAST    |               | DAHOMEY    |              | FRENCH GUINEA (2) |              |                            |
|--|----------------|---------------|------------|--------------|-------------------|--------------|----------------------------|
|  | Production (3) | Yields (4)    | Production | Average (5)  | Production        | Yields (4)   |                            |
|  |                |               |            |              |                   | average (5)  | extremes (6) or normal (7) |
|  | lb.            | lb. per acre  | lb.        | lb. per acre | lb.               | lb. per acre |                            |
| <b>Food crops:</b>                       |                |               |            |              |                   |              |                            |
| Maise                                    | —              | —             | 5,752      | —            | —                 | —            | —                          |
| Millet                                   | —              | —             | —          | —            | 497,144           | 687          | 269-1,427                  |
| Rice                                     | —              | —             | —          | —            | 132,278           | 7,646        | 5,353-13,385               |
| Beans                                    | —              | —             | 44,093     | —            | 2,295             | 178          | —                          |
| Cassava                                  | —              | —             | —          | —            | —                 | —            | —                          |
| Pepper                                   | —              | —             | —          | —            | —                 | —            | —                          |
| Miscellaneous food crops, not specified. | —              | —             | —          | —            | —                 | —            | —                          |
| <b>Crops for industrial purposes:</b>    |                |               |            |              |                   |              |                            |
| Groundnuts in shell                      | —              | —             | —          | —            | —                 | —            | —                          |
| Caster                                   | —              | —             | —          | —            | —                 | —            | —                          |
| Oil palm (kernels)                       | —              | —             | 26,456     | 5,353        | —                 | —            | —                          |
| Copra                                    | —              | —             | 362,221    | 178          | —                 | —            | —                          |
| Raw cotton                               | —              | —             | —          | —            | —                 | —            | —                          |
| Cacao                                    | 661,389        | 1,874 (8)     | —          | —            | —                 | —            | —                          |
| Coffee                                   | 771,620        | 10,582-15,432 | —          | 18           | 661               | —            | —                          |
| Kola                                     | —              | 661           | —          | —            | 132               | —            | —                          |
| Vanilla                                  | —              | —             | —          | —            | —                 | —            | —                          |
| Bananas                                  | —              | —             | —          | —            | 3,273,876         | 8,172        | 22,304-26,765              |
| Pineapples                               | —              | —             | 37,479     | —            | 74,957            | 946          | 10,706                     |
| Various fruits                           | —              | —             | 331        | —            | —                 | —            | —                          |

| CROPS                                    | UPPER VOLTA |              |                            | SENEGAL      |             |                            | FRENCH SUDAN (2) |              |                            |
|--|-------------|--------------|----------------------------|--------------|-------------|----------------------------|------------------|--------------|----------------------------|
|  | Production  | Yields (4)   |                            | Production   | Yields (4)  |                            | Production       | Yields (4)   |                            |
|  |             | average (5)  | extremes (6) or normal (7) |              | average (5) | extremes (6) or normal (7) |                  | average (5)  | extremes (6) or normal (7) |
|  | lb.         | lb. per acre |                            | lb. per acre | lb.         | lb. per acre               | lb.              | lb. per acre |                            |
| <b>Food crops:</b>                       |             |              |                            |              |             |                            |                  |              |                            |
| Maise                                    | 7,716       | 482          | 268-625                    | —            | —           | —                          | —                | —            | —                          |
| Millet                                   | 138,892     | 285          | 214-357                    | 125,894      | 285         | 223-714                    | 99,208           | 714          | —                          |
| Rice                                     | 13,569      | 214          | 178-892                    | 88,185       | 288         | —                          | —                | —            | —                          |
| Beans                                    | —           | —            | —                          | 9,921        | 196         | —                          | —                | —            | —                          |
| Cassava                                  | —           | —            | —                          | 1,113,779    | 1,871       | 669-2,677                  | —                | —            | —                          |
| Pepper                                   | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Miscellaneous food crops, not specified. | —           | —            | —                          | —            | —           | —                          | 8955,116         | 625          | 446-1,338                  |
| <b>Crops for industrial purposes:</b>    |             |              |                            |              |             |                            |                  |              |                            |
| Groundnuts in shell                      | 46,297      | 464          | 268-714                    | 1,128,991    | 500         | 446-892                    | 422,848          | 660          | 259-714                    |
| Caster                                   | —           | —            | —                          | 992          | 80          | 62-107                     | —                | —            | —                          |
| Oil palm (kernels)                       | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Copra                                    | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Raw cotton                               | 54,675      | 277          | 178-357                    | —            | —           | —                          | 02800,38         | 187          | 134-419                    |
| Cacao                                    | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Coffee                                   | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Kola                                     | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Vanilla                                  | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Bananas                                  | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Pineapples                               | —           | —            | —                          | —            | —           | —                          | —                | —            | —                          |
| Various fruits                           | (9) 1,543   | —            | —                          | 50,266       | 625         | —                          | —                | —            | —                          |

(1) Many plantations were not in bearing in 1929-1930; frequently the production is not given, or, if given, cannot be referred to a specified area. — (2) Year 1930. — (3) The greater number of the concessions was not yet in bearing; the figures given are based on aggregate and approximate estimates; if referred to the areas under cultivation, they would give a yield of 8 lb. per acre for cacao and of 27 lb. per acre for coffee. — (4) Unit-yields of the only crops of which the production is precisely known. — (5) Average yield obtained on the total of crops of which the production is known. — (6) Of annual crops. — (7) Obtained on plantations which are already in full bearing. — (8) Including some coconuts. — (9) Guavas. — (10) 1,323 lb. have been obtained on 0.12 acres on a concession. — (11) Representing a market value of 48,000 francs or, on an average, 0.67 francs per lb. — (12) The production of a single concession of 36,376 lb. was exported to Havre at the price of 0.75 francs; the value indicated for 63,934 lb. coming from another concession is 248,000 francs.

9. — PERSONNEL OCCUPIED ON EUROPEAN CONCESSIONS IN 1929.

| SPECIFICATION  | IVORY COAST | DAHOMEY (1) | FRENCH GUINEA (2) | UPPER VOLTA | SENEGAL | FRENCH SUDAN (3) | TOTAL OF FRENCH WEST AFRICA (4) |
|--|-------------|-------------|-------------------|-------------|---------|------------------|---------------------------------|
|  | number      | number      | number            | number      | number  | number           | number                          |
| <b>PERSONNEL OCCUPIED ON ALL CONCESSIONS:</b>                          |             |             |                   |             |         |                  |                                 |
| Europeans . . . . .  | 257         | —           | 105               | 5           | —       | 42               | —                               |
| <b>Natives:</b>  |             |             |                   |             |         |                  |                                 |
| Overseers or foremen . . . . .   | —           | —           | 16                | 22          | —       | —                | —                               |
| Skilled workers . . . . .  | —           | —           | —                 | 97          | —       | 110              | —                               |
| Labourers . . . . .  | —           | —           | (5) 1,343         | 650         | —       | 2,415            | —                               |
| Total of native staff . . . . .  | 25,275      | —           | (5) 1,359         | 769         | —       | 2,525            | —                               |
| Total of Europeans and natives . . . . .                               | 25,532      | 901         | (5) 1,462         | 774         | 1,670   | 2,567            | 32,306                          |
| <b>Personnel occupied per 100 acres under cultivation . . . . .</b>    |             |             |                   |             |         |                  |                                 |
|  | 20          | 6           | 61                | 22          | 18      | 15               | 20                              |
| <b>Personnel occupied per 100 acres of concession worked . . . . .</b> |             |             |                   |             |         |                  |                                 |
|  | 12          | —           | 9                 | 9           | 4       | 6                | —                               |
| <b>Average personnel occupied per holding . . . . .</b>                |             |             |                   |             |         |                  |                                 |
|  | 28          | 30          | 54                | 97          | 43      | 103              | 32                              |

(1) The data relate to 10 concessions only out of the 13 for which there is information and out of the 45 in existence and to 4,601 acres under cultivation. — (2) Year 1930. Data relating to 27 out of 30 holdings consisting of 34 out of the 37 concessions for which there are available data and out of 175 in all, and embracing 2,300 acres under cultivation out of a total extent of 16,495 acres. — (3) Year 1930. Data relating to 25 concessions only, out of 27, to a cultivated area of 17,597 acres and to a total area of 45,873 acres. — (4) Data relating to 1,015 concessions only, out of 1,208, with 164,313 acres estimated to be under cultivation. — (5) For a holding of 9.88 acres, it is stated that, in addition to a regular personnel of 2 persons, a certain number of day-labourers are employed during the busy season.

10. — AGRICULTURAL MACHINERY ON EUROPEAN HOLDINGS IN 1929 <sup>(1)</sup>.

| SPECIFICATION                            | IVORY COAST | DAHOMY (2) | FRENCH GUINEA (3) | UPPER VOLTA | SENEGAL   | FRENCH SUDAN (4) | TOTAL OF FRENCH WEST AFRICA (5) |
|--|-------------|------------|-------------------|-------------|-----------|------------------|---------------------------------|
|  | number      | number     | number            | number      | number    | number           | number                          |
| <b>POWER MACHINERY:</b>                  |             |            |                   |             |           |                  |                                 |
| Locomotives, various types . . . . .     | —           | —          | 1                 | —           | 4         | 1                | 6                               |
| Weyer and Rickert machines . . . . .     | —           | —          | —                 | —           | —         | 3                | 3                               |
| Steam engines . . . . . (6) 15           | —           | —          | 1                 | —           | —         | —                | 16                              |
| Internal combustion engines . . . . .    | 5           | —          | 1                 | —           | —         | —                | 6                               |
| Electric motors . . . . .                | —           | —          | —                 | —           | —         | 1                | 1                               |
| Electro-generator groups . . . . .       | —           | —          | —                 | —           | 2         | —                | 2                               |
| Central electric stations . . . . .      | —           | —          | 1                 | —           | —         | (7) 1            | 2                               |
| Low-compression gas generators . . . . . | —           | —          | —                 | —           | —         | 1                | 1                               |
| Low-compression gas engines . . . . .    | —           | —          | —                 | —           | —         | 1                | 1                               |
| Tractors . . . . .                       | 18          | —          | 2                 | 1           | 16        | (8) 22           | 59                              |
| <b>MACHINERY FOR WORKING THE SOIL:</b>   |             |            |                   |             |           |                  |                                 |
| Retrofores . . . . .                     | —           | 1          | —                 | —           | —         | —                | 1                               |
| Cultivating units . . . . .              | —           | —          | —                 | —           | 1         | 2                | 3                               |
| Plough windlasses . . . . .              | —           | —          | —                 | —           | 4         | —                | 4                               |
| <b>Equipment:</b>                        |             |            |                   |             |           |                  |                                 |
| Triple-share . . . . .                   | —           | —          | —                 | —           | 7         | 1                | 8                               |
| Double-share . . . . .                   | —           | —          | —                 | —           | 1         | —                | 1                               |
| Swing . . . . .                          | —           | —          | —                 | —           | 1         | —                | 1                               |
| Reversible . . . . .                     | —           | —          | —                 | —           | 19        | —                | 19                              |
| Disc . . . . .                           | —           | —          | —                 | —           | 5         | —                | 5                               |
| Ordinary or unspecified . . . . .        | —           | —          | 59                | 8           | 5         | 24               | 96                              |
| <b>Total . . . . .</b>                   | <b>—</b>    | <b>—</b>   | <b>59</b>         | <b>8</b>    | <b>38</b> | <b>25</b>        | <b>130</b>                      |
| Furrows . . . . .                        | —           | —          | —                 | —           | —         | 4                | 4                               |
| Billemouables (trench ploughs) . . . . . | —           | —          | —                 | —           | —         | 2                | 2                               |
| Disc pulverisers . . . . .               | —           | —          | 9                 | —           | 22        | —                | 31                              |
| Calcutators . . . . .                    | —           | —          | —                 | 4           | —         | —                | 4                               |
| Pulverisers . . . . .                    | —           | —          | 2                 | 2           | —         | 11               | 15                              |
| Scarifiers . . . . .                     | —           | —          | —                 | —           | 11        | —                | 11                              |
| Extirpators . . . . .                    | —           | —          | —                 | —           | 3         | —                | 3                               |
| Harrow . . . . .                         | —           | —          | 19                | 5           | —         | 6                | 28                              |
| <b>Hoes:</b>                             |             |            |                   |             |           |                  |                                 |
| Motor . . . . .                          | —           | —          | —                 | —           | —         | 1                | 1                               |
| Alouette . . . . .                       | —           | —          | —                 | —           | 8         | —                | 8                               |
| Ordinary or unspecified . . . . .        | —           | —          | —                 | 2           | 24        | 20               | 46                              |
| <b>Total . . . . .</b>                   | <b>—</b>    | <b>—</b>   | <b>—</b>          | <b>2</b>    | <b>32</b> | <b>21</b>        | <b>55</b>                       |
| Leveling machines . . . . .              | —           | —          | —                 | —           | —         | (9) 8            | 8                               |
| Grubbers . . . . .                       | —           | —          | —                 | —           | 3         | —                | 3                               |
| FERTILIZER DISTRIBUTORS . . . . .        | —           | —          | 1                 | —           | 3         | —                | 4                               |
| SEED-DRILLS . . . . .                    | —           | —          | 1                 | —           | 2         | 1                | 4                               |
| <b>HARVESTING MACHINERY:</b>             |             |            |                   |             |           |                  |                                 |
| Mowers . . . . .                         | —           | —          | 1                 | —           | 1         | —                | 2                               |

(1) The information is fragmentary and not comparable. Details vary from one colony to another and even, at times, from one holding to another; for the Ivory Coast, for example, there is no indication of crop machinery; the only indications given are vague and clearly incomplete for a certain number of holdings. — (2) Data relate to 10 concessions, with 4,601 acres under cultivation. — (3) Year 1930. Data relate to 27 holdings, with 2,380 acres under cultivation. — (4) Year 1930. Data relate to 25 concessions, with 17,597 acres under cultivation. — (5) Data relate to 1,020 concessions with 165,366 acres under cultivation. — (6) Given as steam generators. — (7) 450 h.p. with 3 sub-stations, on a holding of 14,579 acres, with 7,413 acres under cultivation. — (8) Including 1 with caterpillar action, 1 of 10-20 h.p., 1 of 15-22 h.p., 2 of 15-30 h.p. — (9) Including one eight-sharred.

10. — AGRICULTURAL MACHINERY ON EUROPEAN HOLDINGS IN 1929 <sup>(1)</sup> (concluded).

| SPECIFICATION                                     | IVORY COAST | DAHOMY (2) | FRENCH GUINEA (3) | UPPER VOLTA | SENEGAL | FRENCH SUDAN (4) | TOTAL OF FRENCH WEST AFRICA (5) |
|---|-------------|------------|-------------------|-------------|---------|------------------|---------------------------------|
|   | number      | number     | number            | number      | number  | number           | number                          |
| <b>MACHINES FOR PREPARATION OF CROP PRODUCTS:</b> |             |            |                   |             |         |                  |                                 |
| Millet threshers . . . . .                        | —           | —          | —                 | —           | —       | 1                | 1                               |
| Fanning-mills . . . . .                           | —           | 3          | 4                 | —           | —       | 4                | 11                              |
| Millet-grinders . . . . .                         | —           | —          | —                 | —           | —       | 3                | 3                               |
| Paddy-bushes . . . . .                            | —           | —          | 1                 | —           | —       | —                | 1                               |
| Fadder-balers . . . . .                           | —           | —          | 1                 | —           | —       | —                | 1                               |
| Straw-balers . . . . .                            | —           | 4          | 1                 | —           | —       | —                | 5                               |
| Groundnut-shellers . . . . .                      | —           | —          | 1                 | —           | —       | —                | 1                               |
| Palm-leaf-crushers . . . . .                      | 10          | 1          | —                 | —           | —       | —                | 11                              |
| Graders . . . . .                                 | —           | 3          | —                 | —           | —       | —                | 3                               |
| Digesters . . . . .                               | 11          | —          | —                 | —           | —       | 1                | 12                              |
| Depulpers . . . . .                               | 11          | —          | —                 | —           | —       | —                | 11                              |
| Hand oil-presses . . . . .                        | 20          | —          | —                 | —           | —       | 1                | 22                              |
| Hydraulic presses and balers . . . . .            | 15          | 5          | —                 | —           | —       | —                | 21                              |
| Centrifugal extractors . . . . . (6) 1            | —           | —          | —                 | —           | —       | —                | 1                               |
| Coffee-fanning mills . . . . .                    | 2           | —          | —                 | —           | —       | —                | 2                               |
| Sterilizers . . . . .                             | 2           | —          | —                 | —           | —       | —                | 2                               |
| Cocoa-strippers or shellers . . . . .             | 1           | 4          | —                 | —           | —       | —                | 5                               |
| Coffee and cocoa-beans . . . . . (7) 51           | —           | —          | —                 | —           | —       | —                | 51                              |
| Coffee-pulping machines . . . . .                 | 10          | —          | —                 | —           | —       | —                | 10                              |
| Coffee hullers . . . . .                          | 18          | —          | —                 | —           | —       | —                | 18                              |
| Pulaski-peelers . . . . .                         | 2           | 2          | —                 | —           | —       | —                | 4                               |
| Coffee-ventilators . . . . .                      | —           | 1          | —                 | —           | —       | —                | 1                               |
| Grading-machines . . . . .                        | —           | —          | —                 | —           | —       | —                | —                               |
| Cotton-gins . . . . . (8) 15                      | —           | —          | —                 | —           | —       | —                | 15                              |
| Hand presses of balers . . . . . (9) 4            | —           | —          | —                 | —           | —       | —                | 4                               |
| Hand dual-fiber-removers . . . . .                | 1           | —          | —                 | —           | —       | —                | 1                               |
| Motor dual-fiber-removers . . . . .               | —           | —          | —                 | —           | —       | —                | —                               |
| Distillers . . . . .                              | 6           | —          | —                 | —           | —       | —                | 6                               |
| <b>HYDRAULIC INSTALLATIONS:</b>                   |             |            |                   |             |         |                  |                                 |
| Pumping units . . . . .                           | —           | —          | —                 | —           | 5       | —                | 5                               |
| Electric pumps . . . . .                          | —           | —          | 3                 | —           | —       | —                | 3                               |
| Other pumps . . . . .                             | —           | 1          | 1                 | —           | —       | —                | 2                               |
| <b>TRANSPORT MATERIAL:</b>                        |             |            |                   |             |         |                  |                                 |
| Lorries . . . . .                                 | —           | —          | 9                 | —           | —       | 4                | 13                              |
| Motor-cars . . . . .                              | —           | —          | 3                 | —           | —       | —                | 3                               |
| Carts . . . . .                                   | —           | —          | 36                | —           | —       | 6                | 42                              |
| Lighters . . . . .                                | —           | —          | —                 | —           | 2       | —                | 2                               |
| Trailers . . . . .                                | —           | —          | —                 | —           | 2       | —                | 2                               |
| <b>VARIOUS EQUIPMENT:</b>                         |             |            |                   |             |         |                  |                                 |
| Machine work-shops . . . . .                      | —           | —          | 1                 | —           | —       | —                | 1                               |
| Forges . . . . .                                  | —           | —          | 1                 | —           | —       | —                | 1                               |

(1) The information is fragmentary and not comparable. Details vary from one colony to another and even, at times, from one holding to another; for the Ivory Coast, for example, there is no indication of crop machinery; the only indications given are vague and clearly incomplete for a certain number of holdings. — (2) Data relate to 10 concessions, with 4,601 acres under cultivation. — (3) Year 1930. Data relate to 27 holdings, with 2,380 acres under cultivation. — (4) Year 1930. Data relate to 25 concessions, with 17,597 acres under cultivation. — (5) Data relate to 1,020 concessions, with 165,366 acres under cultivation. — (6) There are 5 oil factories. — (7) There are in addition 3 factories. — (8) There are in addition 5 gins. — (9) Given without specifying whether hand or motor.



## 11. — FERTILIZERS USED ON EUROPEAN HOLDINGS IN FRENCH GUINEA AND FRENCH SUDAN IN 1930.

| SPECIFICATION                                   | FRENCH GUINEA (1) |  | FRENCH SUDAN  |  |      |
|---|-------------------|--|---------------|--|------|
|   | Absolute data     | Percentage of total number of holdings or of total area cultivated | Absolute data | Percentage of total number of holdings or of total area cultivated |      |
|   |                   |  |               |  |      |
| Holdings reporting use of fertilizers . . . . . | (2) 20            | 60.6   | (5) 2         |  | 11.8 |
| Cultivated area on holdings . . . . .           | (2) 1,045         | 43.8   | 2,780         |  | 15.8 |
| Area on which fertilizers are applied . . . . . | (2) 1,035         | 43.5   | 17            |  | 0.1  |
| Quantity of fertilizer used . . . . .           | (3) (4) 89,000    | —  | 57,000        |  | —    |
| Quantity applied per acre . . . . .             | (4) 168           | —  | 3,353         |  | —    |

(1) Data relating to 37 out of a total of 175 concessions, forming 33 holdings and with 2,380 acres under crop. — (2) Of this total 7 holdings, cultivating 514 acres, do not indicate the quantity used; on one holding, with 17 acres under crop, straw dressings used in addition, at the rate of 15,583 lb. per acre; in addition, the greater number of the holdings use animal manure. — (3) Nitrates of sodium and potassium, natural phosphates, chloride of potassium, basic slag, natural phosphates, lime. — (4) Figures relating to 13 farms and to 529 acres under cultivation. — (5) Five holdings with 12,417 acres under crop, including 8,696 acres in sial and covering 562 head of cattle and 315 head of small livestock, report exclusive use of manure of these animals, at the rate, in the case of two holdings, of 26,765 lb. per acre on nursery beds, castor crops, cotton, etc. — (6) Bone meal and ash on nursery beds, and on crops such as ground nuts, manioc, etc.

## 12. — IRRIGATION ON EUROPEAN HOLDINGS IN FRENCH GUINEA AND FRENCH SUDAN (1).

| SPECIFICATION                                       | FRENCH GUINEA (2) |  |   | FRENCH SUDAN (3) |  |   |
|---|-------------------|--|---|------------------|--|---|
|   | Absolute data     | Percentage   |   | Absolute data    | Proportional figures                                 |   |
|   |                   | of cultivated area of holdings practicing irrigation | of total number of holdings or of total area cultivated |                  | of cultivated area of holdings practicing irrigation | of total number of holdings or of total area cultivated |
|   | number            | %  | %   | number           | %  | %   |
| Holdings on which irrigation is practiced . . . . . | (4) 15            | —  | 39.4  | 4                | —  | 25.5  |
| Area irrigated:                                     | acres             |  |   | acres            |  |   |
| by pumping . . . . .                                | 111               | 86.5   | —   | (6) 1,236        | 34.6   | —   |
| by gravitation . . . . .                            | 62                | 35.7   | —   | —                | —  | —   |
| by artificial channels . . . . .                    | 198               | 61.5   | —   | —                | —  | —   |
| Total . . . . .                                     | 371               | 59.5   | (5) 15.6  | (6) 1,236        | 34.6   | 7.0   |

(1) On the Ivory Coast irrigation is not practiced; for the other colonies no information is available. — (2) Data relating to 37 concessions only, out of a total of 175, forming 33 holdings with 2,380 acres under cultivation. — (3) Data relating to 25 concessions, with 17,597 acres under cultivation. — (4) Nearly all banana plantations. — (5) 41.0 % of the area cultivated under bananas. — (6) Of the 4 holdings, one of 8,649 acres with 1,386 acres under cultivation, is entirely irrigated by pumping, and the total area cleared will be gradually irrigated as it is brought under cultivation, thus making a total irrigated area of 8,696 acres for a total area of cleared land in the colony of 28,785 acres (30.2 %); on the other 3 holdings the proportion of irrigated crops is scarcely 2.1 %; 25 acres irrigated on a holding require 656 feet of piping and 2,625 feet of artificial channels.

## 13. — LIVESTOCK ON EUROPEAN CONCESSIONS IN 1929.

| SPECIFICATION          | Ivory Coast (1) | DAHOMEY (2) | FRENCH GUINEA (3) | Upper Volta (4) | SENEGAL (5) | FRENCH SUDAN (6) | TOTAL OF FRENCH WEST AFRICA (12) |
|------------------------|-----------------|-------------|-------------------|-----------------|-------------|------------------|----------------------------------|
|                        | number          | number      | number            | number          | number      | number           | number                           |
| <b>HORSES ETC.:</b>    |                 |             |                   |                 |             |                  |                                  |
| Horses . . . . .       | —               | 10          | 1                 | 1               | 36          | (7) 21           | 69                               |
| Asses . . . . .        | —               | —           | —                 | —               | 10          | (8) 17           | 27                               |
| Mules . . . . .        | —               | 1           | —                 | —               | —           | —                | 1                                |
| Total . . . . .        | —               | 11          | 1                 | 1               | 46          | 38               | 87                               |
| <b>CATTLE:</b>         |                 |             |                   |                 |             |                  |                                  |
| Draught oxen . . . . . | —               | —           | —                 | 62              | —           | —                | —                                |
| Other oxen . . . . .   | —               | —           | —                 | 66              | —           | —                | —                                |
| Cows . . . . .         | —               | —           | —                 | 104             | —           | —                | —                                |
| Total . . . . .        | —               | 290         | 622               | 252             | 21          | (9) 779          | 1,964                            |
| <b>SHEEP:</b>          |                 |             |                   |                 |             |                  |                                  |
| Sheep . . . . .        | —               | —           | 118               | 248             | 60          | (10) 319         | 745                              |
| <b>GOATS:</b>          |                 |             |                   |                 |             |                  |                                  |
| Goats . . . . .        | —               | —           | 40                | 63              | —           | 26               | 129                              |
| Total . . . . .        | —               | —           | 158               | 311             | 60          | 345              | 874                              |
| <b>PIGS:</b>           |                 |             |                   |                 |             |                  |                                  |
| Pigs . . . . .         | —               | —           | 89                | —               | —           | (11) 854         | 934                              |

(1) No farm animals are kept on European concessions. — (2) Data relating to 10 concessions with 4,601 acres under cultivation. — (3) Year 1930. Data relating to 27 holdings, with 2,380 acres under cultivation. — (4) Data relating to 8 holdings with 3,455 acres under cultivation. — (5) Data relating to 39 holdings with 9,071 acres under cultivation. — (6) Year 1930. Data relating to 25 concessions with 17,597 acres under cultivation. — (7) Average value per head: 614 fr. — (8) Average value per head: 217 fr. — (9) Including 169 head of cattle not specified, of an average value of 1000 fr.; average value per head of other cattle: 405 fr. — (10) Average value per head: 54 francs. — (11) Average value per head: 127 fr. — (12) Data relating to 1,020 holdings, with 165,365 acres under cultivation.

14. — UTILIZATION AND UNIT-YIELDS OF AREA UNDER NATIVE CULTIVATION  
 IN DAHOMEY, UPPER VOLTA AND FRENCH SUDAN IN 1929.

| CROPS  | DAHOMEY          |              |                     |                            |
|--|------------------|--------------|---------------------|----------------------------|
|  | Absolute<br>data | Area         |                     | Unit-yield<br>lb. per acre |
|  |                  | of sub-total | of general<br>total |                            |
|  |                  |              |                     |                            |
| acres  | %                | %            |                     |                            |
| <b>Food crops:</b>                                   |                  |              |                     |                            |
| <i>Cereals:</i>                                      |                  |              |                     |                            |
| Maize . . . . .                                      | 302,155          | 27.2         | 18.9                | 941                        |
| Millet . . . . .                                     | (1) 307,592      | 21.4         | 14.8                | 711                        |
| Rice . . . . .                                       | 902              | 0.1          | 0.0                 | 61                         |
| Foal . . . . .                                       | 111,693          | 7.8          | 5.4                 | 152                        |
| <i>Total</i> . . . . .                               | 812,252          | 56.5         | 39.1                | —                          |
| <i>Leguminous crops for food:</i>                    |                  |              |                     |                            |
| Beans . . . . .                                      | 265,105          | 18.4         | 12.7                | 341                        |
| Pistachio nuts . . . . .                             | 49,511           | 3.4          | 2.4                 | 586                        |
| Niebes . . . . .                                     | —                | —            | —                   | —                          |
| Angola peas . . . . .                                | 15,271           | 1.1          | 0.7                 | 160                        |
| Ground peas . . . . .                                | 80,629           | 5.6          | 3.9                 | 808                        |
| Groundnuts (in husk) . . . . .                       | —                | —            | —                   | —                          |
| <i>Total leguminous crops for food</i> . . . . .     | 410,714          | 28.5         | 19.7                | —                          |
| <i>Tubers and roots:</i>                             |                  |              |                     |                            |
| Yams . . . . .                                       | 149,501          | 10.4         | 7.2                 | 12,224                     |
| Manioc . . . . .                                     | 52,579           | 3.7          | 2.5                 | 18,394                     |
| Sweet potatoes . . . . .                             | 8,844            | 0.6          | 0.4                 | 5,702                      |
| Turnos . . . . .                                     | 27               | 0.0          | 0.0                 | 852                        |
| <i>Total tubers and roots</i> . . . . .              | 210,942          | 14.7         | 10.1                | —                          |
| <i>Other food crops:</i>                             |                  |              |                     |                            |
| Gum . . . . .  | 1,704            | 0.1          | 0.1                 | —                          |
| Piments . . . . .                                    | 3,279            | 0.2          | 0.2                 | —                          |
| Condiments . . . . .                                 | —                | —            | —                   | —                          |
| <i>Total of other food crops</i> . . . . .           | 5,043            | 0.3          | 0.3                 | —                          |
| <i>Total food crops</i> . . . . .                    | 1,438,951        | 100.0        | 69.2                | —                          |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                |                  |              |                     |                            |
| <i>Textile plants:</i>                               |                  |              |                     |                            |
| Cotton . . . . .                                     | 168,431          | 16.9         | 5.2                 | (2) 118                    |
| Sisal . . . . .                                      | —                | —            | —                   | —                          |
| <i>Total textile plants</i> . . . . .                | 168,431          | 16.9         | 5.2                 | —                          |
| <i>Oil-yielding crops:</i>                           |                  |              |                     |                            |
| Groundnuts . . . . .                                 | —                | —            | —                   | —                          |
| Seam . . . . .                                       | 1,742            | 0.3          | 0.1                 | 276                        |
| Castor oil . . . . .                                 | 522,401          | 81.5         | 25.1                | 134                        |
| Oil-palm . . . . .                                   | 4,226            | 0.2          | 0.2                 | 88                         |
| Coconut-palm . . . . .                               | —                | —            | —                   | —                          |
| <i>Total oil-yielding crops</i> . . . . .            | 528,369          | 82.5         | 25.4                | —                          |
| <i>Other crops for industrial purposes:</i>          |                  |              |                     |                            |
| Cacao . . . . .                                      | 452              | 0.1          | 0.02                | 181                        |
| Coffee . . . . .                                     | 805              | 0.1          | 0.04                | 29                         |
| Tobacco . . . . .                                    | 57               | 0.0          | 0.00                | 8                          |
| Indigo . . . . .                                     | 2,595            | 0.4          | 0.1                 | 92                         |
| Kola nuts . . . . .                                  | 32               | 0.0          | 0.00                | —                          |
| <i>Total</i> . . . . .                               | 3,944            | 0.6          | 0.2                 | —                          |
| <i>Total crops for industrial purposes</i> . . . . . | 649,744          | 100.0        | 30.8                | —                          |
| <i>General total of cultivated area</i> . . . . .    | 2,679,695        | —            | 100.0               | —                          |

(1) Large millet 162,202 acres and 848 lb. per acre, small millet 145,300 acres and 544 lb. per acre. — (2) Raw cotton.

 14. — UTILIZATION AND UNIT-YIELDS OF AREA UNDER NATIVE CULTIVATION  
 IN DAHOMEY, UPPER VOLTA AND FRENCH SUDAN IN 1929 (continued).

| CROPS  | UPPER VOLTA      |              |                     |                            |
|--|------------------|--------------|---------------------|----------------------------|
|  | Absolute<br>data | Area         |                     | Unit-yield<br>lb. per acre |
|  |                  | of sub-total | of general<br>total |                            |
|  |                  |              |                     |                            |
| acres  | %                | %            |                     |                            |
| <b>Food crops:</b>                                   |                  |              |                     |                            |
| <i>Cereals:</i>                                      |                  |              |                     |                            |
| Maize . . . . .                                      | 312,716          | 8.1          | 7.8                 | 566                        |
| Millet . . . . .                                     | 3,143,226        | 81.9         | 78.0                | 439                        |
| Rice . . . . .                                       | 13,336           | 0.3          | 0.3                 | 483                        |
| Fani . . . . .                                       | 98,853           | 2.6          | 2.5                 | (1) 446                    |
| <i>Total</i> . . . . .                               | 3,568,131        | 92.9         | 88.6                | —                          |
| <i>Leguminous crops for food:</i>                    |                  |              |                     |                            |
| Beans . . . . .                                      | 9,637            | 0.2          | 0.2                 | —                          |
| Pistachio nuts . . . . .                             | —                | —            | —                   | —                          |
| Niebes . . . . .                                     | 79,112           | 2.1          | 2.0                 | 1,111                      |
| Angola peas . . . . .                                | —                | —            | —                   | —                          |
| Ground peas . . . . .                                | 25,099           | 0.7          | 0.6                 | 442                        |
| Groundnuts (in husk) . . . . .                       | 146,919          | 3.8          | 3.6                 | 553                        |
| <i>Total leguminous crops for food</i> . . . . .     | 260,767          | 6.8          | 6.4                 | —                          |
| <i>Tubers and roots:</i>                             |                  |              |                     |                            |
| Yams . . . . .                                       | 5,179            | 0.2          | 0.2                 | 5,651                      |
| Manioc . . . . .                                     | 1,890            | 0.04         | 0.04                | 1,441                      |
| Sweet potatoes . . . . .                             | 4,188            | 0.1          | 0.1                 | 538                        |
| Turnos . . . . .                                     | —                | —            | —                   | —                          |
| <i>Total tubers and roots</i> . . . . .              | 11,257           | 0.3          | 0.3                 | —                          |
| <i>Other food crops:</i>                             |                  |              |                     |                            |
| Gum . . . . .  | —                | —            | —                   | —                          |
| Piments . . . . .                                    | —                | —            | —                   | —                          |
| Condiments . . . . .                                 | —                | —            | —                   | —                          |
| <i>Total of other food crops</i> . . . . .           | —                | —            | —                   | —                          |
| <i>Total food crops</i> . . . . .                    | 3,840,155        | 100.0        | 95.3                | —                          |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                |                  |              |                     |                            |
| <i>Textile plants:</i>                               |                  |              |                     |                            |
| Cotton . . . . .                                     | 175,077          | 92.9         | 4.4                 | (2) 70                     |
| Sisal . . . . .                                      | 1,885            | 1.0          | 0.05                | —                          |
| <i>Total for textile plants</i> . . . . .            | 176,962          | 93.9         | 4.4                 | —                          |
| <i>Oil-yielding crops:</i>                           |                  |              |                     |                            |
| Groundnuts . . . . .                                 | —                | —            | —                   | —                          |
| Seam . . . . .                                       | 7,092            | 3.8          | 0.2                 | 45                         |
| Castor oil . . . . .                                 | —                | —            | —                   | —                          |
| Oil-palm . . . . .                                   | —                | —            | —                   | —                          |
| Coconut-palm . . . . .                               | —                | —            | —                   | —                          |
| <i>Total oil-yielding crops</i> . . . . .            | 7,092            | 3.8          | 0.2                 | —                          |
| <i>Other crops for industrial purposes:</i>          |                  |              |                     |                            |
| Cacao . . . . .                                      | —                | —            | —                   | —                          |
| Coffee . . . . .                                     | —                | —            | —                   | —                          |
| Tobacco . . . . .                                    | 1,092            | 0.6          | 0.03                | 858                        |
| Indigo . . . . .                                     | 3,237            | 1.7          | 0.08                | 102                        |
| Kola nuts . . . . .                                  | —                | —            | —                   | —                          |
| <i>Total</i> . . . . .                               | 4,329            | 2.3          | 0.1                 | —                          |
| <i>Total crops for industrial purposes</i> . . . . . | 181,291          | 100.0        | 4.7                 | —                          |
| <i>General total of cultivated area</i> . . . . .    | 4,028,536        | —            | 100.0               | —                          |

(1) Circle of Gum only. — (2) Ginned cotton.

14. — UTILIZATION AND UNIT-YIELDS OF AREA UNDER NATIVE CULTIVATION  
 IN DAHOMEY, UPPER VOLTA AND FRENCH SUDAN IN 1929 (concluded).

| CROPS                                       | FRENCH SUDAN       |                 |                     |             | Unit-yield<br>lb. p. acre |
|---|--------------------|-----------------|---------------------|-------------|---------------------------|
|   | Area               |                 |                     | lb. p. acre |                           |
|   | Absolute<br>data   | Percentage      |                     |             |                           |
|   |                    | of<br>sub-total | of general<br>total |             |                           |
| acres                                       | %                  | %               |                     |             |                           |
| <b>Food crops:</b>                          |                    |                 |                     |             |                           |
| <i>Cereals:</i>                             |                    |                 |                     |             |                           |
| Maize                                       | 168,570            | 6.5             | 5.4                 | 1,052       |                           |
| Millet                                      | 2,102,255          | 78.1            | 68.2                | 732         |                           |
| Rice  | 183,936            | 6.9             | 6.0                 | 967         |                           |
| Fonio                                       | 42,070             | 1.6             | 1.4                 | 540         |                           |
| <i>Total</i>                                | <i>2,496,831</i>   | <i>92.8</i>     | <i>81.0</i>         |             |                           |
| <i>Leguminous crops for food:</i>           |                    |                 |                     |             |                           |
| Beans                                       |                    |                 |                     |             |                           |
| Pistachio nuts                              |                    |                 |                     |             |                           |
| Niebes                                      | 155,036            | 5.7             | 5.1                 | 330         |                           |
| Angola peas                                 |                    |                 |                     |             |                           |
| Ground peas                                 |                    |                 |                     |             |                           |
| Groundnuts (in husk)                        | (1)                |                 |                     |             |                           |
| <i>Total leguminous crops for food</i>      | <i>(1) 155,036</i> | <i>5.7</i>      | <i>5.1</i>          |             |                           |
| <i>Tubers and roots:</i>                    |                    |                 |                     |             |                           |
| Yams  |                    |                 |                     |             |                           |
| Manioc                                      | 7,185              | 0.3             | 0.2                 | 8,762       |                           |
| Sweet potatoes                              | 32,196             | 1.2             | 1.1                 | 8,804       |                           |
| Taro  |                    |                 |                     |             |                           |
| <i>Total tubers and roots</i>               | <i>39,382</i>      | <i>1.5</i>      | <i>1.3</i>          |             |                           |
| <i>Other food crops:</i>                    |                    |                 |                     |             |                           |
| Gum   |                    |                 |                     |             |                           |
| Pimento                                     |                    |                 |                     |             |                           |
| Condiments                                  | 91                 | 0.0             | 0.0                 |             |                           |
| <i>Total of other food crops</i>            | <i>91</i>          | <i>0.0</i>      | <i>0.0</i>          |             |                           |
| <i>Total food crops</i>                     | <i>2,691,340</i>   | <i>100.0</i>    | <i>87.4</i>         |             |                           |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>       |                    |                 |                     |             |                           |
| <i>Textile plants:</i>                      |                    |                 |                     |             |                           |
| Cotton                                      | 84,758             | 21.8            | 2.8                 | (2) 158     |                           |
| Stiel                                       |                    |                 |                     |             |                           |
| <i>Total textile plants</i>                 | <i>84,758</i>      | <i>21.8</i>     | <i>2.8</i>          |             |                           |
| <i>Oil-yielding crops:</i>                  |                    |                 |                     |             |                           |
| Groundnuts                                  | 287,205            | 73.7            | 9.3                 | 884         |                           |
| Sesame                                      |                    |                 |                     |             |                           |
| Caster oil                                  |                    |                 |                     |             |                           |
| Oil-palm                                    |                    |                 |                     |             |                           |
| Coconut-palm                                |                    |                 |                     |             |                           |
| <i>Total oil-yielding crops</i>             | <i>287,205</i>     | <i>73.7</i>     | <i>9.3</i>          |             |                           |
| <i>Other crops for industrial purposes:</i> |                    |                 |                     |             |                           |
| Cacao                                       |                    |                 |                     |             |                           |
| Coffee                                      |                    |                 |                     |             |                           |
| Tobacco                                     | 13,716             | 3.5             | 0.4                 | ...         |                           |
| Indigo                                      | 3,759              | 1.0             | 0.1                 | ...         |                           |
| Kola nuts                                   |                    |                 |                     |             |                           |
| <i>Total</i>                                | <i>17,525</i>      | <i>4.5</i>      | <i>0.5</i>          |             |                           |
| <i>Total crops for industrial purposes</i>  | <i>389,488</i>     | <i>100.0</i>    | <i>12.6</i>         |             |                           |
| <i>General total of cultivated area</i>     | <i>3,080,828</i>   |                 | <i>100.0</i>        |             |                           |

(1) Groundnuts are regarded as an export product and classed under crops for industrial purposes. — (2) Raw cotton.

## 15. — NATIVE PRODUCTION.

| CLASSIFICATION (1)                                  | Ivory Coast   | DAHOMEY     | FRENCH GUINEA | UPPER VOLTA | MAURITANIA |
|---|---------------|-------------|---------------|-------------|------------|
|   | (1930)        | (1929)      | (1930)        | (1930)      | (1929)     |
|   | 1,000 lb.     | 1,000 lb.   | 1,000 lb.     | 1,000 lb.   | 1,000 lb.  |
| <i>Crops for food or for local consumption:</i>     |               |             |               |             |            |
| Wheat and barley                                    | —             | —           | —             | —           | (2) 130    |
| Millet  | 117,940       | (3) 218,600 | 66,139        | 1,352,706   | 94,197     |
| Maize   | 81,571        | 368,879     | 119,050       | 176,855     | 10,384     |
| Rice  | 165,347       | 55          | 319,671       | 6,435       | 1,120      |
| Fonio   | 15,432        | 16,940      | 487,857       | (4) —       | 2,205      |
| Beans   | —             | (5) 119,379 | —             | (6) 87,907  | (6) 6,195  |
| Peas  | —             | (7) 2,443   | —             | (8) 11,100  | —          |
| Groundnuts  | 36,644        | 65,290      | —             | 81,302      | —          |
| Yams  | (9) 3,162,762 | 1,827,550   | —             | 29,264      | —          |
| Manioc  | 925,283       | 977,460     | 110,231       | 2,723       | —          |
| Sweet potatoes                                      | 14,330        | 50,427      | 44,093        | (10) 2,253  | 220        |
| Vegetables and miscellaneous                        | (11) 992      | (12) 1,429  | —             | (13) 289    | (14) 5,071 |
| Bananas   | 3,046,137     | —           | —             | —           | —          |
| Dates   | —             | —           | —             | —           | 8,819      |
| Palm-oil  | 44,093        | —           | —             | —           | —          |
| <i>Crops for industrial purposes or for export:</i> |               |             |               |             |            |
| Shelled groundnuts                                  | —             | —           | 55,116        | 1,638       | —          |
| Caster-oil  | —             | 485         | —             | —           | —          |
| Palm kernels  | —             | 69,997      | —             | —           | —          |
| Palm-oil  | —             | 52,007      | —             | —           | —          |
| Copra   | —             | 373         | —             | —           | —          |
| Raw cotton  | 11,228        | 12,787      | —             | (15) 12,331 | 112        |
| Cacao   | (16) 36,859   | 82          | —             | —           | —          |
| Coffee  | (16) 895      | 23          | 33            | —           | —          |
| Tobacco   | —             | 0           | 661           | 937         | 22         |
| Indigo  | —             | —           | —             | (17) 88     | 93         |
| Kola nuts   | 11,023        | —           | —             | —           | —          |
| Bananas   | —             | —           | 8,819         | —           | —          |
| Other crops   | (18) 331      | —           | (11) 220      | —           | —          |
| <i> Gathered products:</i>                          |               |             |               |             |            |
| Palm kernels  | —             | —           | 33,069        | —           | —          |
| Shea nuts   | 2,205         | 68,454      | 132           | 8,677       | —          |
| Shea butter   | —             | 941         | —             | —           | —          |
| Sesame  | —             | —           | 1,543         | —           | —          |
| Kapok, raw  | —             | 816         | —             | 1,179       | —          |
| Kapok, fibre  | —             | 353         | —             | —           | —          |
| Indigo  | —             | (19) 238    | 6,614         | (17) 331    | —          |
| Kola nuts   | —             | —           | 2,866         | —           | —          |
| Rubber  | 90            | —           | 3,307         | 22          | —          |
| Gum   | (20) 252      | —           | (21) 220      | 2           | 8,100      |
| Other products                                      | (22) 48       | (23) 1,656  | —             | —           | (24) 42    |

(1) Certain products are differently classed in the different colonies, according to origin and destination. — (2) Wheat 29,000 lb., barley 101,000 lb. — (3) Large millet 137,558,000 lb., small millet 81,042,000 lb. — (4) Production data for the Djoliba circle, almost the sole producing area in Upper Volta, is not given; with a yield equal to that of the neighbouring circle of Gana (4,000 lb. per 10 acres), the production of Upper Volta would be 44,000,000 lb. This figure has been used in estimating the total production of French West Africa. — (5) Including 29,017,000 lb. of pistachio nuts. — (6) Niebes. — (7) Angola peas. — (8) Ground peas. — (9) Including 392,424,000 lb. of raw wool. — (10) Including 7,000 lb. of potatoes. — (11) Pimento. — (12) Pimento 829,000 lb., raw 600,000 lb. — (13) Sesame. — (14) Water melon. — (15) Ginned cotton, including 2,721,000 lb. for local consumption; this is calculated in total by its equivalent in raw cotton. — (16) Quantity exported. — (17) Prepared indigo. — (18) Madagascar. — (19) Considered as a gathered product, although 2,595 acres are cultivated in indigo (see table 14). — (20) Gum. — (21) Copal. — (22) Guinea pepper 13,800 lb., pimento fibre 34,000 lb. — (23) "Nougat". — (24) Seeds of cream-cakes, 15,000 lb., various fruits 26,000 lb.

## 15. — NATIVE PRODUCTION (concluded).

| CLASSIFICATION (1)                                  | Niger Territory | SENEGAL<br>(1929)<br>AND DAKAR<br>Territory | French Sudan | TOTAL OF FRENCH<br>WEST AFRICA (2) |
|---|-----------------|---|--------------|------------------------------------|
|   | (1929)          | (1930)                                      | (1929)       | 1,000 lb.                          |
|   | 1,000 lb.       | 1,000 lb.                                   | 1,000 lb.    | 1,000 lb.                          |
| <i>Crops for food or for local consumption:</i>     |                 |   |              |                                    |
| Wheat and barley . . . . .                          | (3) 2,053       | —   | —            | 2,183                              |
| Millet . . . . .                                    | 1,779,136       | (4) 720,410                                 | 1,538,660    | 5,895,796                          |
| Maize . . . . .                                     | 24,912          | 38,978                                      | 178,974      | 999,603                            |
| Rice . . . . .                                      | 6,929           | 75,013                                      | 177,903      | 754,473                            |
| Fonio . . . . .                                     | —               | —   | 22,708       | (5) 509,235                        |
| Beans . . . . .                                     | 222,888         | 25,843                                      | 51,643       | 529,603                            |
| Peas . . . . .                                      | (6) 2,205       | —   | —            | —                                  |
| Groundnuts . . . . .                                | —               | —   | —            | 177,236                            |
| Yams . . . . .                                      | —               | —   | —            | (7) 5,019,576                      |
| Manioc . . . . .                                    | 24,471          | 70,440                                      | 62,964       | 2,173,581                          |
| Sweet potatoes . . . . .                            | 1,102           | 220   | 283,407      | 396,112                            |
| Vegetables and miscellaneous . . . . .              | (8) 9,811       | (9) 91,494                                  | —            | 109,086                            |
| Bananas . . . . .                                   | —               | —   | —            | 3,046,137                          |
| Dates . . . . .                                     | 1,431           | —   | —            | 10,250                             |
| Palm-oil . . . . .                                  | —               | —   | —            | 44,093                             |
| <i>Crops for industrial purposes or for export:</i> |                 |   |              |                                    |
| Shelled groundnuts . . . . .                        | 59,525          | 1,096,093                                   | 256,839      | 1,469,811                          |
| Castor-oil . . . . .                                | —               | 185   | —            | 670                                |
| Palm kernels . . . . .                              | —               | 3,000                                       | —            | 73,083                             |
| Palm-oil . . . . .                                  | —               | —   | —            | 52,007                             |
| Copra . . . . .                                     | —               | —   | —            | 373                                |
| Raw cotton . . . . .                                | 2,205           | —   | 13,356       | 90,390                             |
| Cacao . . . . .                                     | —               | —   | —            | 36,941                             |
| Coffee . . . . .                                    | —               | —   | —            | 951                                |
| Tobacco . . . . .                                   | 88              | —   | —            | 1,708                              |
| Indigo . . . . .                                    | 99              | —   | —            | 280                                |
| Kola nuts . . . . .                                 | —               | —   | —            | 11,023                             |
| Bananas . . . . .                                   | —               | —   | —            | 8,819                              |
| Other crops . . . . .                               | (10) 1          | —   | (10) 132     | —                                  |
| <i>Gathered products:</i>                           |                 |   |              |                                    |
| Palm kernels . . . . .                              | —               | —   | —            | 33,069                             |
| Shea nuts . . . . .                                 | —               | —   | 54,602       | 134,070                            |
| Shea butter . . . . .                               | —               | —   | —            | 941                                |
| Sesame . . . . .                                    | —               | —   | —            | 1,543                              |
| Kapok, raw . . . . .                                | 683             | —   | —            | 2,678                              |
| Kapok, fibre . . . . .                              | —               | —   | —            | 353                                |
| Indigo . . . . .                                    | —               | —   | —            | 7,183                              |
| Kola nuts . . . . .                                 | —               | —   | —            | 2,866                              |
| Rubber . . . . .                                    | —               | —   | —            | 3,419                              |
| Gum . . . . .                                       | 493             | 1,323                                       | 606          | 10,996                             |
| Other products . . . . .                            | —               | —   | —            | —                                  |

(1) Certain products are differently classed in the different colonies, according to origin and destination. — (2) These totals cannot be regarded as an estimate for any given year of the production of French West Africa, and have only an approximate value. — (3) Wheat 1,792,000 lb., barley 280,000 lb. — (4) Including 441,000 lb. harvested in Dakar. — (5) Production data for the Djallon circle, almost the sole producing area in Upper Volta, is not given; with a yield equal to that of the neighbouring circle of Goun (4,000 lb. per 19 acres), the production of Upper Volta would be 44,093,000 lb. This figure has been used in estimating the total production of French West Africa. — (6) Ground peas. — (7) Including 392,024,000 lb. of tares. — (8) Cuiana 9,700,000, gourd 110,000 lb. — (9) Unspecified products of various kinds, except for 3,463,000 lb. of fresh vegetables grown in Dakar. — (10) Dah.

## 16. — AGRICULTURAL EQUIPMENT, EXCLUDING NATIVE IMPLEMENTS (1).

| SPECIFICATION                                      | Ivory Coast | Dahomey | French Guinea | Upper Volta |
|--|-------------|---------|---------------|-------------|
|  | (1930)      | (1929)  | (1930)        | (1930)      |
|  | number      | number  | number        | number      |
| <i>EQUIPMENT FOR WORKING THE SOIL:</i>             |             |         |               |             |
| <i>Ploughs:</i>                                    |             |         |               |             |
| Ordinary . . . . .                                 | —           | 1       | 5,689         | 22          |
| Swing . . . . .                                    | —           | —       | —             | —           |
| Total . . . . .                                    | —           | 1       | 5,689         | 22          |
| Canadian cultivators . . . . .                     | —           | —       | —             | 4           |
| Pulverizers . . . . .                              | —           | —       | —             | —           |
| Various hoes and scarifiers . . . . .              | —           | —       | —             | (2) 2       |
| Hoes . . . . .                                     | —           | —       | —             | —           |
| Harrow . . . . .                                   | —           | —       | 2,640         | 3           |
| Total . . . . .                                    | —           | —       | 2,640         | 9           |
| Rollers . . . . .                                  | —           | —       | —             | —           |
| Grubbers . . . . .                                 | —           | —       | —             | —           |
| Retrotractors and windlasses . . . . .             | —           | (3) 2   | —             | —           |
| <i>SEED DRILLS FOR GROUNDNUTS:</i>                 |             |         |               |             |
| <i>FERTILIZER DISTRIBUTORS:</i>                    |             |         |               |             |
| <i>HARVESTING EQUIPMENT:</i>                       |             |         |               |             |
| Mowers . . . . .                                   | —           | —       | —             | —           |
| Horse rakes . . . . .                              | —           | —       | —             | —           |
| Manioc-lifters . . . . .                           | —           | —       | —             | —           |
| Horse shovels . . . . .                            | —           | —       | —             | —           |
| <i>EQUIPMENT FOR TREATMENT OF HARVESTED CROPS:</i> |             |         |               |             |
| <i>Cannals and various:</i>                        |             |         |               |             |
| Thrashers . . . . .                                | —           | —       | —             | —           |
| Maize-mills . . . . .                              | —           | 1,338   | —             | —           |
| Maize-shellers . . . . .                           | —           | 10      | —             | —           |
| Sifters . . . . .                                  | —           | —       | —             | —           |
| Winnowers . . . . .                                | —           | —       | —             | —           |
| Root-cutters . . . . .                             | —           | —       | —             | —           |
| <i>Grainmills:</i>                                 |             |         |               |             |
| Groundnut-shellers . . . . .                       | —           | —       | 4             | —           |
| Palm-kernel-crushers . . . . .                     | 16          | —       | 8             | —           |
| Depulpers . . . . .                                | —           | —       | 2             | —           |
| Hand presses . . . . .                             | 202         | —       | 6             | —           |
| Hydraulic presses . . . . .                        | —           | —       | —             | —           |
| Kilns . . . . .                                    | 800         | —       | —             | —           |
| <i>Textile:</i>                                    |             |         |               |             |
| Hand cotton-ginners . . . . .                      | 10          | —       | —             | —           |
| Power ginners . . . . .                            | —           | 14      | —             | —           |
| Hand and mechanical presses . . . . .              | —           | —       | 15            | —           |
| Seed-strippers . . . . .                           | —           | —       | —             | —           |
| <i>Coffee and cacao:</i>                           |             |         |               |             |
| Coffee husking-mills . . . . .                     | —           | —       | 4             | —           |
| Cacao strippers and shellers . . . . .             | —           | —       | 1             | —           |
| Depulpers . . . . .                                | 2           | —       | —             | —           |
| Parchment-strippers . . . . .                      | 2           | —       | 2             | —           |
| Graders . . . . .                                  | —           | —       | 4             | —           |
| Rubber sheeting equipment . . . . .                | 1           | —       | —             | —           |
| <i>POWER MACHINERY:</i>                            |             |         |               |             |
| Tractors . . . . .                                 | —           | —       | —             | —           |
| <i>HYDRAULIC INSTALLATIONS:</i>                    |             |         |               |             |
| Water pumps . . . . .                              | —           | —       | —             | —           |
| Hydraulic turnrocks . . . . .                      | —           | —       | —             | —           |
| <i>TRANSPORT MATERIAL:</i>                         |             |         |               |             |
| Waggons and carts . . . . .                        | —           | —       | 102           | —           |
| Locomotive machinery . . . . .                     | —           | —       | —             | —           |
| Motor vehicles . . . . .                           | —           | —       | —             | —           |
| Ligne railways . . . . .                           | —           | —       | —             | —           |

(1) Equipment of European origin, usually supplied by the agricultural services and by native thrift societies. — (2) Horse hoes. — (3) Retrotractors.

16. — AGRICULTURAL EQUIPMENT, EXCLUDING NATIVE IMPLEMENTS <sup>(1)</sup> (concluded).

| SPECIFICATION                                      | MAURITANIA | NIGER TERRITORY | SENEGAL (2) | FRENCH SUDAN (3) | DAKAR TERRITORY (4) |
|--|------------|-----------------|-------------|------------------|---------------------|
|  | (1929)     | (1929)          | (1929)      | (1929)           | (1930)              |
|  | number     | number          | number      | number           | number              |
| <b>EQUIPMENT FOR WORKING THE SOIL</b>              |            |                 |             |                  |                     |
| <b>Ploughs:</b>                                    |            |                 |             |                  |                     |
| Ordinary . . . . .                                 | —          | (5) 0           | 54          | —                | 2                   |
| Seine . . . . .                                    | —          | —               | 2           | —                | —                   |
| Total . . . . .                                    | —          | 6               | 56          | —                | 2                   |
| Canadian cultivators . . . . .                     | —          | —               | —           | —                | —                   |
| Pulverizers . . . . .                              | —          | —               | (6) 21      | —                | 4                   |
| Various hoes and scarifiers . . . . .              | —          | —               | (7) 770     | —                | 3                   |
| Hoes . . . . .                                     | —          | —               | 4           | —                | —                   |
| Harrow . . . . .                                   | —          | —               | —           | —                | —                   |
| Total . . . . .                                    | —          | —               | 795         | —                | 7                   |
| Rollers . . . . .                                  | —          | —               | —           | —                | 2                   |
| Grabbers . . . . .                                 | —          | —               | 3           | —                | —                   |
| Retrolances and windlasses . . . . .               | —          | —               | (8) 3       | —                | (9) 3               |
| SEED BILLS FOR GROUNDNUTS . . . . .                | —          | —               | 22          | —                | —                   |
| FERTILIZER DISTRIBUTERS . . . . .                  | —          | —               | 3           | —                | —                   |
| <b>HARVESTING EQUIPMENT:</b>                       |            |                 |             |                  |                     |
| Mowers . . . . .                                   | —          | —               | 1           | —                | —                   |
| Hoe rakes . . . . .                                | —          | —               | 2           | —                | —                   |
| Manioc-lifters . . . . .                           | —          | —               | 2           | —                | —                   |
| Hoe shovels . . . . .                              | —          | —               | 1           | —                | —                   |
| <b>EQUIPMENT FOR TREATMENT OF HARVESTED CROPS:</b> |            |                 |             |                  |                     |
| <b>Cereals and various:</b>                        |            |                 |             |                  |                     |
| Threshers . . . . .                                | —          | —               | 2           | —                | —                   |
| Maize-mills . . . . .                              | —          | —               | —           | —                | —                   |
| Maize-shellers . . . . .                           | —          | —               | —           | —                | —                   |
| Sifters . . . . .                                  | —          | —               | 300         | —                | —                   |
| Winnowers . . . . .                                | —          | —               | 4           | —                | —                   |
| Root-cutters . . . . .                             | —          | —               | 2           | —                | —                   |
| <b>Oleaginous:</b>                                 |            |                 |             |                  |                     |
| Groundnut-shellers . . . . .                       | —          | —               | —           | —                | —                   |
| Palm-kernel-crushers . . . . .                     | —          | —               | —           | —                | —                   |
| Depulpers . . . . .                                | —          | —               | —           | —                | —                   |
| Hand presses . . . . .                             | —          | —               | 1           | —                | —                   |
| Hydraulic presses . . . . .                        | —          | —               | 2           | —                | —                   |
| Kilns . . . . .                                    | —          | —               | —           | —                | —                   |
| <b>Textile:</b>                                    |            |                 |             |                  |                     |
| Hand cotton-ginners . . . . .                      | —          | —               | 16          | —                | —                   |
| Power ginners . . . . .                            | —          | —               | 4           | —                | —                   |
| Hand and mechanical presses . . . . .              | —          | —               | —           | —                | —                   |
| Sisal-strippers . . . . .                          | —          | —               | 1           | —                | —                   |
| <b>Coffee and cacao:</b>                           |            |                 |             |                  |                     |
| Coffee farming-mills . . . . .                     | —          | —               | —           | —                | —                   |
| Cacao strippers and shellers . . . . .             | —          | —               | —           | —                | —                   |
| Depulpers . . . . .                                | —          | —               | —           | —                | —                   |
| Parchment-strippers . . . . .                      | —          | —               | —           | —                | —                   |
| Graders . . . . .                                  | —          | —               | —           | —                | —                   |
| Rubber sheeting equipment . . . . .                | —          | —               | —           | —                | —                   |
| <b>POWER MACHINERY:</b>                            |            |                 |             |                  |                     |
| Tractors . . . . .                                 | —          | —               | 5           | —                | —                   |
| <b>HYDRAULIC INSTALLATIONS:</b>                    |            |                 |             |                  |                     |
| Motor pumps . . . . .                              | —          | —               | —           | —                | 9                   |
| Hydraulic tarcocks . . . . .                       | —          | —               | —           | —                | 15                  |
| <b>TRANSPORT MATERIAL:</b>                         |            |                 |             |                  |                     |
| Waggons and carts . . . . .                        | —          | —               | —           | —                | —                   |
| Locomotive machinery . . . . .                     | —          | —               | 2           | —                | —                   |
| Motor vehicles . . . . .                           | —          | —               | —           | —                | (10) 5              |
| Light railways . . . . .                           | —          | —               | —           | —                | 1,094 yards         |

(1) Equipment of European origin, usually supplied by the agricultural services and by native thrift societies. — (2) Given as "European material", part of which belongs to the experimental stations. — (3) No agricultural equipment exists in the Colony, apart from native implements. — (4) Experimental holding at Haz. — (5) "Plow" plough on the farm of a native chief, the only agricultural equipment to be found in the Colony apart from native implements. — (6) Disc type. — (7) Including 750 Alouette hoes. — (8) Windlasses. — (9) Retrolances. — (10) In metric tons.

## 17. — FERTILIZERS USED.

There is an almost complete lack of information. No information is available for Dahomey, French Guinea (which, however, in 1930 imported 434,000 lb. of potassium sulphate), French Sudan and the Territory of Dakar. For the Ivory Coast, Upper Volta and Mauritania, it is stated that no fertilizers are used, which does not exclude, in certain cases not specified, the use of natural manures.

For the Niger Territory, although it is impossible to give figures, the following information is supplied. Heeds of oxen are turned for the night on to lands intended for millet; the manure collected on the stock yards (a very limited quantity) is transported to the neighbouring fields of the villages; for crops grown in enclosures (onions, plants yielding condiments, cotton, etc.) horse dung is used, previously hooped up in trenches for several months; in the circle of Agadez, sheep and goat manure is used; in the circle of Tillabery, ash is employed, especially for tobacco crops.

In Senegal, the following quantities were used in 1929, on a total area consisting of the Bambey Experiment Station, the Soups Farm School, the Casamance Tobacco Company, for vegetable and fruit growing: 3,686,000 lb. of manure, 6,614 lb. of urea, 1,543 lb. of lime, 1,325 lb. of superphosphate, 441 lb. of basic slag, 331 lb. of sylvite, 531 lb. of potassium sulphate, 220 lb. of cyanamide, 220 lb. of sodium nitrate, 176 lb. of ammonium sulphate. The area over which these fertilizers were employed is not stated.

18. — AREA OF IRRIGATED CROPS IN 1929 <sup>(1)</sup>.

| SYSTEM OF IRRIGATION                 | MAURITANIA | NIGER TERRITORY | SENEGAL | TOTAL OF FRENCH WEST AFRICA |
|--------------------------------------|------------|-----------------|---------|-----------------------------|
|                                      | acres      | acres           | acres   | acres                       |
| By channels and pipes . . . . .      | 277        | 7,660           | 62      | 7,999                       |
| By gravitation and pumping . . . . . | —          |                 | —       |                             |
| By flooding . . . . .                | 197,687    | —               | —       | 197,687                     |
| Total . . . . .                      | 197,964    | 7,660           | 62      | 205,686                     |

(1) No information is available for Dahomey, French Guinea, French Sudan or the Dakar Territory; on the Ivory Coast and Upper Volta, irrigation is not practised. These remarks and the data of the table are completely valid as regards irrigation by artificial processes; the existence, in certain cases not specified, of areas irrigated by flooding, is not excluded.

## 19. — AVERAGE VALUE OF LIVESTOCK IN FRENCH SUDAN AT THE END OF 1929.

| CLASSIFICATION         | VALUE           |
|------------------------|-----------------|
|                        | francs per head |
| Horses . . . . .       | 700             |
| Asses . . . . .        | 225             |
| Oxen . . . . .         | 400             |
| Native sheep . . . . . | 45              |
| Goats . . . . .        | 30              |

## 20. — LIVESTOCK.

| KIND                   | Ivory Coast | Dahomey   | French Guinea | Upper Volta | Mauritania |
|------------------------|-------------|-----------|---------------|-------------|------------|
|                        | (1930)      | (1929)    | (1930)        | (1930)      | (1929)     |
|                        | number      | number    | number        | number      | number     |
| Horses . . . . .       | 1,050       | 2,214     | 1,866         | 30,222      | 5,620      |
| Asses . . . . .        | 470         | —         | 458           | 67,443      | 103,083    |
| Mules . . . . .        | —           | —         | 2             | —           | —          |
| Camels . . . . .       | —           | —         | —             | 30          | 50,912     |
| Cattle . . . . .       | 75,600 (1)  | 92,095    | 700,000       | 441,789     | 288,005    |
| Sheep . . . . .        | 144,000     | 211,950   | 122,726       | 492,480     | 2,475,259  |
| Goats . . . . .        | 156,230     | 249,798   | 160,079       | 631,289     | —          |
| Pigs . . . . .         | 34,200      | 131,569   | 2,022         | 1,662       | —          |
| <i>Poultry:</i>        |             |           |               |             |            |
| Fowls . . . . .        | —           | 1,005,477 | —             | 6,723,150   | —          |
| Ducks . . . . .        | —           | 87,686    | —             | 364,750     | —          |
| Turkeys . . . . .      | —           | 5,650     | —             | —           | —          |
| Guinea fowls . . . . . | —           | 51,932    | —             | 3,566,690   | —          |
| Pigeons . . . . .      | —           | 102,633   | —             | —           | —          |
| <i>Total . . . . .</i> | (2)         | 1,251,378 | (2)           | 10,654,590  | (2)        |

(1) Zebras and oxen — (2) Not estimated.

## 20. — LIVESTOCK (concluded).

| KIND                   | Niger Territory | Senegal | French Sudan  | Dahom Territory | Total of French West Africa |
|------------------------|-----------------|---------|---------------|-----------------|-----------------------------|
|                        | (1929)          | (1930)  | (1929)        | (1930)          | number                      |
|                        | number          | number  | number        | number          | number                      |
| Horses . . . . .       | 62,422          | 43,298  | 60,751        | 500             | 234,943                     |
| Asses . . . . .        | 156,310         | 66,264  | 207,241       | —               | 401,209                     |
| Mules . . . . .        | —               | —       | —             | —               | 2                           |
| Camels . . . . .       | 42,552          | 8,246   | —             | —               | 101,740                     |
| Cattle . . . . .       | 841,405         | 393,712 | 1,138,838     | 600             | 3,975,044                   |
| Sheep . . . . .        | 1,025,256       | 673,179 | (1) 2,739,064 | 1,000           | 12,451,159                  |
| Goats . . . . .        | 1,485,258       | —       | 1,882,091     | 1,500           | —                           |
| Pigs . . . . .         | —               | 23,938  | —             | 800             | 184,191                     |
| <i>Poultry:</i>        |                 |         |               |                 |                             |
| Fowls . . . . .        | —               | —       | —             | —               | —                           |
| Ducks . . . . .        | —               | —       | —             | —               | —                           |
| Turkeys . . . . .      | —               | —       | —             | —               | —                           |
| Guinea fowls . . . . . | —               | —       | —             | —               | —                           |
| Pigeons . . . . .      | —               | —       | —             | —               | —                           |
| <i>Total . . . . .</i> | 3,147,800       | (2)     | (2)           | (2)             | (3) 15,652,908              |

(1) Including 1,005 improved sheep. — (2) Not estimated. — (3) Dahomey, Upper Volta and Niger Territory only.

## 21. — ANIMAL PRODUCTION, CONSUMPTION AND EXPORTS IN 1929.

| PRODUCT                 | Ivory Coast       |         | Dahomey           |            | French Guinea     |               |
|-------------------------|-------------------|---------|-------------------|------------|-------------------|---------------|
|                         | Local consumption | Exports | Local consumption | Exports    | Local consumption | Exports       |
|                         | number            | number  | number            | number     | number            | number        |
| <i>Animals:</i>         |                   |         |                   |            |                   |               |
| Horses . . . . .        | —                 | —       | (1)               | —          | —                 | —             |
| Asses . . . . .         | —                 | —       | (1)               | —          | —                 | —             |
| Cattle . . . . .        | 2,504             | 168     | (1)               | —          | 25,180            | 11,057        |
| Sheep . . . . .         | 372               | 466     | (1)               | —          | 70,738            | —             |
| Goats . . . . .         | 1,953             | 1       | (1)               | —          | 14,368            | 27,091        |
| Pigs . . . . .          | 1,285             | 10      | (1)               | —          | —                 | —             |
| Camels . . . . .        | —                 | —       | (1)               | —          | —                 | —             |
| Poultry . . . . .       | (1)               | —       | (1)               | —          | (1)               | —             |
| <i>Hides and skins:</i> |                   | lb.     | lb.               | lb.        | (1)               | lb.           |
| Ox . . . . .            | (1)               | 222,000 | —                 | —          | (1)               | (3) 1,191,000 |
| Sheep . . . . .         | (1)               | —       | —                 | —          | (1)               | —             |
| Goat . . . . .          | (1)               | 5,800   | —                 | —          | (1)               | (3) 211,000   |
| Pig . . . . .           | (1)               | —       | —                 | —          | (1)               | —             |
| <i>Total . . . . .</i>  | (1)               | 227,800 | (2) 8,600         | (2) 26,000 | (1)               | (3) 1,402,000 |
| <i>Dairy Products:</i>  |                   |         |                   |            |                   |               |
| Milk . . . . .          | (1)               | —       | (1)               | —          | (1)               | —             |
| Butter . . . . .        | (1)               | —       | (1)               | —          | (1)               | —             |
| Cheese . . . . .        | (1)               | —       | (1)               | —          | (1)               | —             |
| <i>Other products:</i>  |                   |         |                   |            |                   |               |
| Wax . . . . .           | (1)               | —       | (1)               | —          | (1)               | 504,000       |

(1) Not estimated. — (2) Described as leather. — (3) Raw hides.

## 21. — ANIMAL PRODUCTION, CONSUMPTION AND EXPORTS IN 1929 (continued).

| PRODUCT                 | Upper Volta       |         | Mauritania        |         | Niger Territory   |         |
|-------------------------|-------------------|---------|-------------------|---------|-------------------|---------|
|                         | Local consumption | Exports | Local consumption | Exports | Local consumption | Exports |
|                         | number            | number  | number            | number  | number            | number  |
| <i>Animals:</i>         |                   |         |                   |         |                   |         |
| Horses . . . . .        | —                 | 495     | —                 | 50      | —                 | 1,300   |
| Asses . . . . .         | —                 | 1,477   | —                 | 670     | —                 | 3,700   |
| Cattle . . . . .        | 22,650            | 18,755  | 5,000             | 4,900   | 18,500            | 43,661  |
| Sheep . . . . .         | 65,500            | 28,215  | 80,000            | 70,000  | 350,000           | 372,327 |
| Goats . . . . .         | 66,908            | 9,468   | —                 | —       | —                 | —       |
| Pigs . . . . .          | 200               | —       | —                 | —       | —                 | —       |
| Camels . . . . .        | —                 | —       | —                 | —       | 800               | —       |
| Poultry . . . . .       | (1)               | —       | —                 | —       | —                 | —       |
| <i>Hides and skins:</i> |                   |         |                   |         | lb.               | lb.     |
| Ox . . . . .            | 18,700            | 5,261   | (1)               | —       | —                 | 176,000 |
| Sheep . . . . .         | 41,300            | 13,106  | (1)               | —       | —                 | —       |
| Goat . . . . .          | 38,003            | 12,256  | (1)               | —       | —                 | 379,000 |
| Pig . . . . .           | 150               | 100     | (1)               | —       | —                 | —       |
| <i>Total . . . . .</i>  | —                 | —       | (1)               | —       | (2) 46,000        | 555,000 |
| <i>Dairy Products:</i>  |                   |         |                   |         |                   |         |
| Milk . . . . .          | lb. 41,135,000    | —       | (1)               | —       | (1)               | —       |
| Butter . . . . .        | 826,000           | —       | (1)               | —       | (2) 176,000       | —       |
| Cheese . . . . .        | —                 | —       | (1)               | —       | (2) 4,100         | —       |
| <i>Other products:</i>  |                   |         |                   |         |                   |         |
| Wax . . . . .           | lb. 6,000         | —       | (1)               | —       | (1)               | —       |

(1) Not estimated. — (2) Very approximate estimate.

## 21. — ANIMAL PRODUCTION, CONSUMPTION AND EXPORTS IN 1929 (concluded).

| PRODUCT                 | SENEGAL           |           | FRENCH SU DAN     |         | D AKAR TERRITORY  |           |
|-------------------------|-------------------|-----------|-------------------|---------|-------------------|-----------|
|                         | Local consumption | Exports   | Local consumption | Exports | Local consumption |           |
|                         | number            |           | number            | number  | number            | lb.       |
| <i>Animals:—</i>        |                   |           |                   |         |                   |           |
| Horses . . . . .        | —                 | —         | —                 | 703     | —                 | —         |
| Asses . . . . .         | —                 | —         | —                 | 1,200   | —                 | —         |
| Cattle . . . . .        | (1) 17,867        | —         | 50,450            | 30,530  | (2) 7,200         | 2,425,000 |
| Sheep . . . . .         | (1) 21,491        | —         | 123,850           | 194,242 | (2) 8,800         | 882,000   |
| Goats . . . . .         | (1) 75            | —         | 79,200            | 45,900  | (2) 4,150         | 154,000   |
| Pigs . . . . .          | —                 | —         | —                 | —       | —                 | —         |
| Camels . . . . .        | —                 | —         | —                 | —       | —                 | —         |
| Poultry . . . . .       | —                 | —         | —                 | —       | (2) 200,000       | —         |
| <i>Hides and skins:</i> |                   | lb.       |                   |         |                   | lb.       |
| Ox . . . . .            | (3)               | 2,989,000 | (3)               | —       | (2)               | 16,000    |
| Sheep . . . . .         | (3)               | 384,000   | (3)               | —       | (2)               | 19,000    |
| Goat . . . . .          | (3)               | —         | (3)               | —       | —                 | —         |
| Pig . . . . .           | (3)               | 130,000   | (3)               | —       | —                 | —         |
| <i>Total . . . . .</i>  | (3)               | 3,503,000 | (3)               | —       | (2)               | 35,000    |
| <i>Dairy Products:</i>  |                   |           |                   |         |                   |           |
| Milk . . . . .          | (3)               | —         | (3)               | —       | (3)               | —         |
| Butter . . . . .        | (3)               | —         | (3)               | —       | (3)               | —         |
| Cheese . . . . .        | (3)               | —         | (3)               | —       | (3)               | —         |
| <i>Other products:</i>  |                   |           |                   |         |                   |           |
| Wax . . . . .           | (3)               | —         | (3)               | —       | (3)               | —         |

(1) Animals slaughtered in cities; native consumption in the interior cannot be checked. — (2) For the greater part coming from the interior of Senegal or French Sudan. — (3) Not estimated.

## 22. — NATIVE AGRICULTURAL LABOUR IN 1929.

| CLASSIFICATION                                    | IVORY COAST | DALOMEY | FRENCH GUINEA | UPPER VOLTA      |
|---|-------------|---------|---------------|------------------|
|   | number      | number  | number        | number           |
| Men . . . . .                                     | —           | 235,823 | —             | (1)(2) 1,123,779 |
| Women . . . . .                                   | —           | 171,956 | —             | (1)(2) 975,354   |
| Children . . . . .                                | —           | 104,258 | —             | —                |
| <i>Total . . . . .</i>                            | 650,000     | 510,037 | 1,040,000     | (2) 2,099,133    |
|   | %           | %       | %             | %                |
| Proportion of total native population . . . . .   | 36.1        | 50.2    | 46.9          | 71.7             |
|   | acres       | acres   | acres         | acres            |
| Average area cultivated per farm worker . . . . . | 2.8         | 4.2     | 1.5           | 2.0              |

(1) For the circle of Fada, no distinction was made between male and female workers and the total agricultural population of the circle, 152,400 persons, is calculated with the total male agricultural population in the total for the colony, the distribution of this total being thereby obscured; roughly speaking, the number of female workers is in reality equal to that of males on the other hand, children of 9 years old are included with males in the circle of Dioulas (80,000 male workers). — (2) Incomplete figures, data not being available for the circle of Batis, the total (agricultural and other) population of which is 47,051 inhabitants and the area cultivated 117,500 acres.

## 22. — NATIVE AGRICULTURAL LABOUR IN 1929 (concluded).

| CLASSIFICATION                                    | MAURITANIA | NIGER TERRITORY | SENEGAL | FRENCH SU DAN | TERRITORY OF DAKAR |
|---|------------|-----------------|---------|---------------|--------------------|
|   | number     | number          | number  | number        | number             |
| Men . . . . .                                     | —          | —               | —       | —             | —                  |
| Women . . . . .                                   | —          | —               | —       | —             | —                  |
| Children . . . . .                                | —          | —               | —       | —             | —                  |
| <i>Total . . . . .</i>                            | 65,000     | 654,000         | 950,000 | (1)           | 10,000             |
|   | %          | %               | %       | %             | %                  |
| Proportion of total native population . . . . .   | 20.2       | 44.3            | 77.9    | —             | 30.0               |
|   | acres      | acres           | acres   | acres         | acres              |
| Average area cultivated per farm worker . . . . . | 4.4        | 3.6             | 3.5     | —             | 1.6                |

(1) Not estimated.

# KENYA



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## THE AGRICULTURAL CENSUS IN KENYA

Until 1934 an agricultural census was taken regularly every year in Kenya Colony and Protectorate. It was decided subsequently to take the Census biennially only.

In 1930 certain supplementary questions were added to those usually included in the annual Census, in order to have for the World Agricultural Census a statement as complete as possible of the agricultural and pastoral activities of the country. More detailed information was accordingly obtained on Indian agriculture, but it was not possible to secure figures of the actual acreages, yields and livestock in native agriculture; close estimates, however, were obtained through the offices of District Commissioners and agricultural officers and it is believed that these bear a sufficiently high degree of accuracy to afford a reasonably correct indication of native activities.

The Census figures refer to 31 July 1930, or to the twelve months ending 31 July 1930 where indicated.

The information appearing in this Bulletin was obtained from the Agricultural Census 1930, issued by the Department of Agriculture, Nairobi.

## I. — AREA.

|   |                  |
|---|------------------|
| Native reserves .....   | 30,996,800 acres |
| Forest reserves .....   | 2,666,880 "      |
| Land surveyed into farms and alienated .....                        | 6,766,000 "      |
| Land surveyed into farms and available for alienation .....         | 892,800 "        |
| Government reserves (Outspan, quarantine areas, etc.) .....         | 154,880 "        |
| Townships and township reserves .....                               | 206,080 "        |
| Northern Frontier Province, Turkana and Extension from Uganda ..... | 76,931,200 "     |
| Areas yet unclassified .....  | 25,547,680 "     |
| Total for Colony and Protectorate (including internal waters) . . . |                  |
|   | 144,024,400 "    |

## 2. — NUMBER OF EUROPEAN OCCUPIERS, AREA UNDER OCCUPATION, NUMBER AND AREA OF INDIAN HOLDINGS ON 31 JULY 1930.

|  |           |           |
|--|-----------|-----------|
| Number of European occupiers (1) .....   | number    | 2,897     |
| Area under occupation by Europeans ..... | acres (2) | 5,111,161 |
| Average area per occupier .....          | "         | 2,437     |
| Number of Indian holdings .....          | number    | 739       |
| Area of Indian holdings .....            | acres     | 34,515    |
| Average area per holding .....           | "         | 46        |

(1) The number of occupiers should not be interpreted to mean the number of holdings, the figure for which is not returned. —  
 (2) Including 1,061,083 acres utilized by native squatters on European holdings.

## 3. — LAND UTILIZATION OF THE AREA UNDER OCCUPATION BY EUROPEANS ON 31 JULY 1930.

| CLASSIFICATION  | Area          |                         |
|---|---------------|-------------------------|
|   | Absolute data | Percentage of the total |
|   | acres         | %                       |
| Agricultural land (including area used for stock):                      |               |                         |
| Agricultural land farmed by Europeans .....                             | (1) 2,706,165 | 52.9                    |
| Agricultural land farmed by native squatters on European holdings ..... | 1,061,883     | 20.8                    |
| Total agricultural land . . .   | (1) 3,768,048 | 73.7                    |
| Woods and forests .....   | 141,551       | 2.8                     |
| Other areas .....   | 1,201,562     | 23.5                    |
| General total . . .   | 5,111,161     | 100.0                   |

(1) Partly calculated.

4. — UTILIZATION OF THE AGRICULTURAL LAND FARMED BY EUROPEANS  
ON 31 JULY 1930.

| CLASSIFICATION                             | AREA          |                      |                             |
|--|---------------|----------------------|-----------------------------|
|  | Absolute data | Average per occupier | Percentage of general total |
|  | acres         | acres                | %                           |
| Area under cultivation . . . . .           | 643,644       | 306.9                | 23.8                        |
| Area used for stock (1):                   |               |                      |                             |
| Cattle farming . . . . .                   | 1,361,166     | 649.1                | 50.3                        |
| Sheep and goat farming . . . . .           | 701,355       | 334.4                | 25.9                        |
| <i>Total area used for stock . . . . .</i> | (1) 2,062,521 | 983.5                | 76.2                        |
| General total . . . . .                    | (2) 2,706,165 | 1,290.4              | 100.0                       |

(1) Calculated on the basis of 6 acres per head for cattle and 3 acres per head for sheep and goats. — (2) Partly calculated.

5. — UTILIZATION OF THE AGRICULTURAL LAND FARMED BY NATIVE SQUATTERS  
ON EUROPEAN HOLDINGS ON 31 JULY 1930.

| CLASSIFICATION                   | AREA          |                         |
|----------------------------------|---------------|-------------------------|
|                                  | Absolute data | Percentage of the total |
|                                  | acres         | %                       |
| Area under cultivation . . . . . | 48,439        | 4.6                     |
| Area under grazing . . . . .     | 1,013,444     | 95.4                    |
| Total . . . . .                  | 1,061,883     | 100.0                   |

6. — TOTAL AREA UNDER CULTIVATION ON 31 JULY 1930.

| CLASSIFICATION  | AREA          |                             |
|---|---------------|-----------------------------|
|   | Absolute data | Percentage of general total |
|   | acres         | %                           |
| Area under cultivation by Europeans . . . . .                             | 643,644       | 25.6                        |
| Area under cultivation by native squatters on European holdings . . . . . | 48,439        | 2.0                         |
| <i>Total area under cultivation on European holdings . . . . .</i>        | 692,083       | 27.6                        |
| Area under cultivation by Indians . . . . .                               | 13,652        | 0.5                         |
| Area under cultivation by natives . . . . .                               | (1) 1,805,641 | 71.9                        |
| General total . . . . .   | (2) 2,511,976 | 100.0                       |

(1) Estimated. — (2) Partly estimated.

7. — EUROPEAN AGRICULTURE.  
UTILIZATION OF THE AREA UNDER CULTIVATION ON 31 JULY 1930.

| CLASSIFICATION   | AREA          |                      |  |
|--|---------------|----------------------|--|
|  | Absolute data | Average per occupier | Percentage of the total area under cultivation |
|  | acres         | acres                | %  |
| <b>ARABLE LAND:</b>  |               |                      |  |
| <b>CEREALS CUT FOR GRAIN:</b>  |               |                      |  |
| Wheat . . . . .  | 70,890        | 33.8                 | 11.0   |
| Oats . . . . .   | 2,964         | 1.4                  | 0.5  |
| Barley . . . . .   | 2,796         | 1.5                  | 0.4  |
| Maize . . . . .  | 206,567       | 98.5                 | 32.1   |
| <i>Total . . . . .</i>   | 283,187       | 135.0                | 44.0   |
| <b>LEGUMINOUS PLANTS FOR GRAIN:</b>                                  |               |                      |  |
| Beans . . . . .  | 3,731         | 1.8                  | 0.5  |
| Peas . . . . .   | 305           | 0.2                  | 0.1  |
| <i>Total . . . . .</i>   | 4,116         | 2.0                  | 0.6  |
| <b>TUBER CROPS:</b>  |               |                      |  |
| Potatoes . . . . .   | 247           | 0.1                  | 0.04   |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND STORAGE:</b> |               |                      |  |
| Lucerne . . . . .  | 930           | 0.5                  | 0.1  |
| Miscellaneous fodder crops (1) . . . . .                             | 1,087         | 0.5                  | 0.2  |
| <i>Total . . . . .</i>   | 2,017         | 1.0                  | 0.3  |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                                |               |                      |  |
| Sugar-cane . . . . .   | 11,870        | 5.7                  | 1.9  |
| Flax . . . . .   | 195           | 0.1                  | 0.02   |
| Sisal:   |               |                      |  |
| Plants up to 3 years . . . . .                                       | 72,482        | 34.5                 | 11.3   |
| Plants 3 years upwards . . . . .                                     | (2) 65,550    | 31.3                 | 10.1   |
| <i>Total sisal . . . . .</i>   | 138,032       | 65.8                 | 21.4   |
| Castor . . . . .   | 65            | 0.03                 | 0.01   |
| <i>Total . . . . .</i>   | 150,052       | 71.6                 | 23.7   |
| VEGETABLES . . . . .   | 250           | 0.1                  | 0.1  |
| FALLOW LAND . . . . .  | 79,489        | 37.9                 | 12.4   |
| <i>Total arable land . . . . .</i>                                   | 519,698       | 267.7                | 80.7   |
| <b>OTHER LAND UNDER CULTIVATION</b>                                  |               |                      |  |
| <b>FRUITS AND NUTS:</b>  |               |                      |  |
| Orchards . . . . .   | 2,103         | 1.0                  | 0.3  |
| Bananas . . . . .  | 259           | 0.1                  | 0.04   |
| Pineapples . . . . .   | 118           | 0.1                  | 0.02   |
| Cocconuts . . . . .  | 7,940         | 3.8                  | 1.2  |
| <i>Total . . . . .</i>   | 10,420        | 5.0                  | 1.6  |
| <b>DRINK CROPS:</b>  |               |                      |  |
| Coffee:  |               |                      |  |
| Trees up to 3 years . . . . .  | 24,970        | 11.9                 | 3.9  |
| Trees 3-6 years . . . . .  | 23,805        | 11.4                 | 3.7  |
| Trees over 6 years . . . . .   | 47,267        | 22.5                 | 7.3  |
| <i>Total coffee . . . . .</i>  | 96,042        | 45.8                 | 14.9   |
| Tea . . . . .  | (3) 8,331     | 4.0                  | 1.3  |
| Wattle:  |               |                      |  |
| Plants under 6 years . . . . .                                       | 7,555         | 3.6                  | 1.1  |
| Plants over 6 years . . . . .  | 3,095         | 1.8                  | 0.6  |
| <i>Total wattle . . . . .</i>  | 11,259        | 5.4                  | 1.7  |
| Miscellaneous crops . . . . .  | (5) 6,164     | 2.8                  | 1.0  |
| <i>Total . . . . .</i>   | 121,787       | 58.0                 | 18.9   |
| <i>Total other land under cultivation . . . . .</i>                  | 132,207       | 63.0                 | 20.5   |
| General total . . . . .  | 651,615       | 310.7                | 101.2  |
| Cash crops, to be deducted . . . . .                                 | 7,971         | 3.8                  | 1.2  |
| <i>Total area under cultivation . . . . .</i>                        | 643,644       | 306.9                | 100.0  |

(1) Including certain areas of maize and oats grown purely for fodder purposes. — (2) Excluding areas where cutting was completed before the Census date. — (3) Estimated area to be planted between 1 August 1930 and 31 July 1931; 2,678 acres. — (4) Area not stripped of bark. — (5) Including 1,670 acres planted with geranium and other species of oil-bearing plants for the production of essential oils.

8. — EUROPEAN AGRICULTURE.  
FRUIT TREES AND COCONUT PALMS ON 31 JULY 1930.

| DESCRIPTION                                    | ABSOLUTE DATA  |              | PERCENTAGE OF EACH CATEGORY |
|--|----------------|--------------|-----------------------------|
|  | number         | %            |                             |
| <b>FRUIT TREES:</b>                            |                |              |                             |
| Deciduous . . . . .                            | 114,647        | 65.6         |                             |
| Citrus . . . . .                               | 52,645         | 18.7         |                             |
| Others . . . . .                               | 27,357         | 15.7         |                             |
| <b>Total number of fruit trees . . . . .</b>   | <b>194,649</b> | <b>100.0</b> |                             |
| <b>COCONUT PALMS:</b>                          |                |              |                             |
| Under 6 years . . . . . (1)                    | 126,326        | 33.9         |                             |
| Over 6 years . . . . .                         | 266,329        | 66.1         |                             |
| <b>Total number of coconut palms . . . . .</b> | <b>392,655</b> | <b>100.0</b> |                             |

(1) Of which 6,821 palms planted between 1 August 1929 and 31 July 1930.

9. — EUROPEAN AGRICULTURE.  
NUMBER OF GROWERS OF CERTAIN CROPS ON 31 JULY 1930.

| CROPS            | NUMBER OF GROWERS |   | AVERAGE AREA UNDER CULTIVATION PER GROWER |
|------------------|-------------------|---|---|
|                  | Absolute data     | Percentage of the total number of occupiers |   |
|                  | number            | %   | acres                                     |
| Wheat . . . . .  | 308               | 19.0  | 178.1                                     |
| Maize . . . . .  | 971               | 46.3  | 212.7                                     |
| Coffee . . . . . | 931               | 44.4  | 103.2                                     |

10. — EUROPEAN AGRICULTURE.  
AREA HARVESTED, TOTAL PRODUCTION AND YIELD PER ACRE OF CEREALS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| CROPS            | AREA HARVESTED | TOTAL PRODUCTION | YIELD PER ACRE |
|------------------|----------------|------------------|----------------|
|                  | acres          | 1,000 lb.        | lb.            |
| Wheat . . . . .  | 63,217         | 58,694           | 928            |
| Oats . . . . .   | 3,413          | 2,393            | 701            |
| Barley . . . . . | 10,935         | 7,962            | 730            |
| Maize . . . . .  | 233,973        | 371,717          | 1,589          |

11. — EUROPEAN AGRICULTURE.  
PRODUCTION OF CERTAIN CROPS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| PRODUCTS                         | PRODUCTION |           |
|----------------------------------|------------|-----------|
|                                  | 1,000 lb.  |           |
| Cane-sugar { Raw . . . . .       |            | 18        |
| { Crystallized . . . . .         |            | 14,905    |
| Sisal fibres . . . . .           |            | 38,799    |
| Vegetables . . . . .             | (1)        | 596       |
| Orchard fruits . . . . .         | (1)        | 804       |
| Bananas . . . . .                | (1) (2)    | 12,530    |
| Pineapples . . . . .             | (1) (3)    | 44,182    |
| Coconuts . . . . .               | (3)        | 1,259,181 |
| Cocoa . . . . .                  |            | 693       |
| Coffee { Clean . . . . .         |            | 26,317    |
| { Husk (Cherry coffee) . . . . . |            | 1,789     |
| Tea, prepared . . . . .          |            | 578       |
| Wattle bark, dried . . . . .     |            | 638       |

(1) Quantity sold. — (2) Number of bunches. — (3) Number of nuts.

12. — INDIAN AGRICULTURE: UTILIZATION OF THE AREA UNDER CULTIVATION AND PRODUCTION OF CROPS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| CLASSIFICATION                                      | AREA HARVESTED |                     |                             | PRODUCTION         |                |
|---|----------------|---------------------|-----------------------------|--------------------|----------------|
|   | Absolute data  | Average per holding | Percentage of general total | Quantity harvested | Yield per acre |
|   | acres          | acres               | %                           | 1,000 lb.          | lb.            |
| <b>ARABLE LAND</b>                                  |                |                     |                             |                    |                |
| <b>CEREALS CUT FOR GRAIN:</b>                       |                |                     |                             |                    |                |
| Maize . . . . .                                     | 374            | 0.5                 | 2.7                         | 423                | 1,131          |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>               |                |                     |                             |                    |                |
| Sugarcane . . . . . (1)                             | 8,395          | 11.4                | 61.5                        | 55,330             | 6,591          |
| Cotton . . . . .                                    | 12             | 0.02                | 0.1                         | 8                  | 667            |
| <b>Total . . . . .</b>                              | <b>8,407</b>   | <b>11.4</b>         | <b>61.6</b>                 | <b>—</b>           | <b>—</b>       |
| FALLOW LAND . . . . .                               | 1,230          | 1.7                 | 9.0                         | —                  | —              |
| <b>Total arable land . . . . .</b>                  | <b>10,011</b>  | <b>13.6</b>         | <b>79.3</b>                 | <b>—</b>           | <b>—</b>       |
| <b>OTHER LAND UNDER CULTIVATION</b>                 |                |                     |                             |                    |                |
| <b>FRUITS AND NUTS:</b>                             |                |                     |                             |                    |                |
| Orchard fruits . . . . .                            | 474            | 0.7                 | 3.5                         | —                  | —              |
| Coconuts . . . . .                                  | 3,058          | 4.1                 | 22.4                        | (3) 908,200        | —              |
| <b>Total . . . . .</b>                              | <b>3,532</b>   | <b>4.8</b>          | <b>25.9</b>                 | <b>—</b>           | <b>—</b>       |
| <b>OTHER CROPS . . . . .</b>                        |                |                     |                             |                    |                |
| <b>Total other land under cultivation . . . . .</b> | <b>3,641</b>   | <b>4.9</b>          | <b>26.7</b>                 | <b>—</b>           | <b>—</b>       |
| <b>General total . . . . .</b>                      | <b>13,652</b>  | <b>18.5</b>         | <b>100.0</b>                | <b>—</b>           | <b>—</b>       |

(1) Of which area of cane cut 1,436 acres. — (2) Unginned cotton. — (3) Number of nuts sold. — (4) Quantity of coconuts sold.

13. — NATIVE AGRICULTURE: UTILIZATION OF THE AREA UNDER CULTIVATION  
AND PRODUCTION OF CROPS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

(ESTIMATED)

| CLASSIFICATION   | AREA HARVESTED |                             | PRODUCTION         |                |
|--|----------------|-----------------------------|--------------------|----------------|
|  | Absolute data  | Percentage of general total | Quantity harvested | Yield per acre |
|  | acres          | %                           | 1,000 lb.          | lb.            |
| <b>ARABLE LAND</b>   |                |                             |                    |                |
| <b>CEREALS CUT FOR GRAIN:</b>  |                |                             |                    |                |
| Wheat  | 914            | 4.05                        | 730                | 799            |
| Maize  | 386,310        | 21.4                        | 237,421            | 718            |
| Sorghum and millet   | 541,980        | 30.0                        | 317,072            | 585            |
| Total  | 929,204        | 57.4                        | —                  | —              |
| <b>LEGUMINOUS CROPS FOR GRAIN</b> . . . . . 305,414 16.3 181,267 594 |                |                             |                    |                |
| <b>ROOT CROPS</b> . . . . . 180,865 10.0 781,408 4,320               |                |                             |                    |                |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                                |                |                             |                    |                |
| Sugar-cane   | 21,870         | 1.2                         | 356,288            | 16,291         |
| Cotton   | 11,816         | 0.7                         | 530                | 45             |
| Groundnuts   | 13,077         | 0.7                         | 5,127              | 382            |
| Sumac  | 48,459         | 2.7                         | 13,969             | 288            |
| Total  | 95,222         | 5.3                         | —                  | —              |
| <b>VEGETABLES</b> . . . . . 1,996 0.1 3,689 1,838                    |                |                             |                    |                |
| <b>FALLOW LAND</b> . . . . . 176,398 9.8 — —                         |                |                             |                    |                |
| Total arable land  | 1,689,099      | 93.5                        | —                  | —              |
| <b>OTHER LAND UNDER CULTIVATION</b>                                  |                |                             |                    |                |
| <b>FRUITS AND NUTS:</b>  |                |                             |                    |                |
| Bananas  | 50,751         | 2.8                         | 6,446,030          | 166            |
| Coconuts   | 28,965         | 1.6                         | 9,619              | 332            |
| Total  | 79,696         | 4.4                         | —                  | —              |
| <b>OTHER CROPS:</b>  |                |                             |                    |                |
| Wattle   | 20,859         | 1.2                         | 37,220             | 1,784          |
| Miscellaneous crops  | 16,187         | 0.9                         | —                  | —              |
| Total  | 37,046         | 2.1                         | —                  | —              |
| Total other land under cultivation                                   | 116,742        | 6.5                         | —                  | —              |
| General total  | 1,805,841      | 100.0                       | —                  | —              |

(1) Ginned cotton. — (2) Number of bunches. — (3) Copra. — (4) Dried bark.

## 14. — FORESTS.

| CLASSIFICATION   | AREA          |                             |
|--|---------------|-----------------------------|
|  | Absolute data | Percentage of general total |
|  | acres         | %                           |
| Woods and forests on European holdings on 31 July 1930 (1) | 141,551       | 4.8                         |
| State-owned forests on 31 December 1929:                   |               |                             |
| Woods being exploited                                      | 495,360       | 16.7                        |
| Other woods  | 1,205,588     | 40.7                        |
| Moorland, scrub and grass                                  | 736,469       | 24.8                        |
| Bamboo   | 385,350       | 13.0                        |
| Total State-owned forests                                  | 2,822,767     | 95.2                        |
| General total  | 2,964,318     | 100.0                       |

(1) Including tree plantations but excluding wattle.

## 15. — FOREST PRODUCTS.

|  |                            |            |
|--|----------------------------|------------|
| Products obtained from forests on European holdings during the twelve months ending 31 July 1930:              |                            |            |
| Wood cut for fuel  | stacked cubic feet         | 29,891,050 |
| Wood cut for other purposes  | cubic feet, solid contents | 320,753    |
| Products obtained from State-owned forests during the twelve months ending 31 December 1929 (quantities sold): |                            |            |
| Wood cut for fuel  | stacked cubic feet         | 8,584,894  |
| Wood cut for other purposes  | cubic feet, solid contents | 2,838,533  |
| Mangrove bark  | 1000 lb.                   | 59         |
| Gum copal  | "                          | 44         |
| Bamboo   | number                     | 74,027     |
| Tree seedlings   | "                          | 806,454    |
| Tree seeds   | lb.                        | 1,430      |

## 16. — EUROPEAN AGRICULTURE: MACHINERY ON 31 JULY 1930.

| CLASSIFICATION  | Absolute data | Average per acre |
|---|---------------|------------------|
|   | number        | number           |
| <b>POWER MACHINERY:</b>                                     |               |                  |
| Steam engines   | 204           | 0.1              |
| Internal combustion engines                                 | 1,069         | 0.5              |
| Electric and hydraulic engines                              | 138           | 0.1              |
| Steam tractors  | 56            | 0.03             |
| Internal combustion tractors                                | 1,395         | 0.7              |
| <b>MACHINERY FOR WORKING THE SOIL:</b>                      |               |                  |
| Ploughs, animal draught                                     | 5,411         | 2.6              |
| Ploughs, steam and motor power                              | 669           | 0.3              |
| Cultivators   | 6,393         | 3.0              |
| Harrows   | 4,002         | 1.9              |
| Rollers   | 372           | 0.2              |
| <b>SOWING MACHINERY:</b>                                    |               |                  |
| Drills and planters   | 1,840         | 0.9              |
| <b>HARVESTING MACHINERY:</b>                                |               |                  |
| Reapers and mowers  | 391           | 0.2              |
| <b>MACHINERY FOR THE TREATMENT OF HARVESTED CROPS:</b>      |               |                  |
| Threshing machines, hand                                    | 52            | 0.02             |
| Threshing machines, power                                   | 162           | 0.1              |
| <b>MAIZE MACHINERY:</b>                                     |               |                  |
| Shellers, hand  | 800           | 0.4              |
| Shellers, power   | 388           | 0.2              |
| <b>COFFEE MACHINERY:</b>                                    |               |                  |
| Pulpers   | 835           | 0.4              |
| Driers  | 79            | 0.04             |
| Hullers, peelers and polishers                              | 122           | 0.1              |
| Graders   | 39            | 0.02             |
| <b>FLAX MACHINERY:</b>                                      |               |                  |
| Mills   | 19            | 0.01             |
| Scutching wheels  | 217           | 0.1              |
| <b>MEANS OF TRANSPORT:</b>                                  |               |                  |
| Wagons and trollies (4-wheeled)                             | 3,118         | 1.5              |
| Carts (2-wheeled)   | 2,073         | 1.0              |
| <b>MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS:</b> |               |                  |
| <b>Dairy appliances:</b>                                    |               |                  |
| Churns  | 501           | 0.2              |
| Separators  | 593           | 0.3              |
| Cheese-making plants  | 28            | 0.01             |

## 17. — EUROPEAN AGRICULTURE: SILOS AND DIPPING TANKS ON 31 JULY 1930.

| CLASSIFICATION   | ABSOLUTE DATA | AVERAGE PER OCCUPIER |
|------------------|---------------|----------------------|
|                  | number        | number               |
| Silos .....      | 179           | 0.1                  |
| Dipping tanks:   |               |                      |
| For cattle ..... | 314           | 0.1                  |
| For sheep .....  | 98            | 0.05                 |

## 18. — EUROPEAN AGRICULTURE: SISAL FACTORIES ON 31 JULY 1930.

Sisal factories ..... number 44

## 19. — INDIAN AGRICULTURE: MACHINERY ON 31 JULY 1930.

| CLASSIFICATION | ABSOLUTE DATA | AVERAGE PER HOLDING |
|----------------|---------------|---------------------|
|                | number        | number              |
| Tractors ..... | 14            | 0.02                |
| Ploughs .....  | 166           | 0.2                 |

20. — WHEAT <sup>(1)</sup> MILLING DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

|   |           |        |
|---|-----------|--------|
| Wheat mills operating .....                                     | number    | 10     |
| Total capacity of mills (per hour) .....                        | 1,000 lb. | 12.9   |
| Quantity of wheat converted into flour or meal .....            | "         | 30,595 |
| Quantity of fine flour produced .....                           | "         | 8,516  |
| Quantity of Atta flour and meal produced .....                  | "         | 13,663 |
| <i>Total production (Fine flour, Atta flour and meal) .....</i> |           | 22,179 |
| Wastage in milling:   |           |        |
| Absolute figure .....   | 1,000 lb. | 8,217  |
| Percentage .....  | %         | 26.8   |

(1) Wheat produced on European holdings.

21. — COTTON <sup>(1)</sup> BUYING AND GINNING DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

|   |           |       |
|---|-----------|-------|
| Ginneries operating .....                         | number    | 4     |
| Gins working (Roller gin) .....                   | "         | 22    |
| Quantity of cotton purchased:                     |           |       |
| "A" quality .....                                 | 1,000 lb. | 1,644 |
| "B" quality .....                                 | "         | 115   |
| "C" quality .....                                 | "         | 101   |
| <i>Total .....</i>                                |           | 1,860 |
| Quantity of cotton lint obtained (Rolled ginned): |           |       |
| "A" quality .....                                 | 1,000 lb. | 540   |
| "B" quality .....                                 | "         | 56    |
| "C" quality .....                                 | "         | 11    |
| <i>Total .....</i>                                |           | 607   |

(1) Cotton produced by natives.

## 22. — TOTAL LIVESTOCK ON 31 JULY 1930.

| CLASSIFICATION | ON EUROPEAN HOLDINGS |                           |             | OWNED BY INDIANS | OWNED BY NATIVES (1) | TOTAL (2) |
|----------------|----------------------|---------------------------|-------------|------------------|----------------------|-----------|
|                | Owled by Europeans   | Owled by native squatters | Total       |                  |                      |           |
|                | number               | number                    | number      | number           | number               | number    |
| Horses .....   | 2,265                | —                         | 2,265       | —                | 138                  | 2,403     |
| Asses .....    | 1,225                | —                         | 1,225       | 10               | 215,254              | 216,489   |
| Mules .....    | 548                  | —                         | 548         | 1                | 152                  | 701       |
| Cattle .....   | 226,861              | 223,584                   | 450,445 (3) | 1,974 (4)        | 4,742,379            | 5,194,798 |
| Sheep .....    | 230,945              | 191,671                   | 422,616     | 33               | 2,805,156            | 3,227,805 |
| Goats .....    | 2,640                | 284,872                   | 287,512     | 131              | 4,056,671            | 4,324,514 |
| Swine .....    | 17,370               | —                         | 17,370      | —                | 69                   | 17,439    |
| Camels .....   | —                    | —                         | —           | 4                | 178,738              | 178,742   |
| Poultry .....  | 44,844               | —                         | 44,844      | —                | —                    | 44,844    |
| PERCENTAGES    |                      |                           |             |                  |                      |           |
|                | %                    | %                         | %           | %                | %                    | %         |
| Horses .....   | 94.3                 | —                         | 94.3        | —                | 5.7                  | 100.0     |
| Asses .....    | 0.6                  | —                         | 0.6         | 0.005            | 99.4                 | 100.0     |
| Mules .....    | 78.2                 | —                         | 78.2        | 0.1              | 21.7                 | 100.0     |
| Cattle .....   | 4.4                  | 4.3                       | 8.7         | 0.04             | 91.3                 | 100.0     |
| Sheep .....    | 7.2                  | 5.9                       | 13.1        | 0.001            | 86.9                 | 100.0     |
| Goats .....    | 0.1                  | 6.6                       | 6.7         | 0.003            | 93.3                 | 100.0     |
| Swine .....    | 99.6                 | —                         | 99.6        | —                | 0.4                  | 100.0     |
| Camels .....   | —                    | —                         | —           | 0.002            | 100.0                | 100.0     |
| Poultry .....  | 100.0                | —                         | 100.0       | —                | —                    | 100.0     |

(1) Estimated. — (2) Partly estimated, except for poultry. — (3) Of which 1,460 were oxen. — (4) Of which 2,038,168 heifers over 1 year old and 693,821 bulls over 1 year old.

## 23. — EUROPEAN AGRICULTURE: LIVESTOCK ON 31 JULY 1930.

| CLASSIFICATION                             | LIVESTOCK OWNED BY EUROPEANS |                      |                                       |
|--|------------------------------|----------------------|---------------------------------------|
|  | Absolute data                | Average per occupier | Percentage of total for each category |
|  | number                       | number               | %                                     |
| HORSES . . . . .                           | 2,265                        | —                    | —                                     |
| ASSES . . . . .                            | 1,225                        | —                    | —                                     |
| MULES . . . . .                            | 548                          | —                    | —                                     |
| <b>CATTLE:</b>                             |                              |                      |                                       |
| Breeding cattle:                           |                              |                      |                                       |
| Heifer calves under 1 year . . . . .       | 17,863                       | 8.5                  | 7.9                                   |
| Heifers over 1 and under 3 years . . . . . | 23,204                       | 11.1                 | 10.2                                  |
| Cows and heifers over 3 years . . . . .    | 67,511                       | 32.2                 | 29.8                                  |
| Bulls in use . . . . .                     | 2,165                        | 1.0                  | 0.9                                   |
| Other bulls and bull calves . . . . .      | 18,568                       | 8.9                  | 8.2                                   |
| <i>Total breeding cattle . . . . .</i>     | <i>129,311</i>               | <i>61.7</i>          | <i>57.0</i>                           |
| Other cattle:                              |                              |                      |                                       |
| Oxen, trained . . . . .                    | 70,009                       | 33.4                 | 30.9                                  |
| Oxen, other than trained . . . . .         | 27,541                       | 13.1                 | 12.1                                  |
| <i>Total other cattle . . . . .</i>        | <i>97,550</i>                | <i>46.5</i>          | <i>43.0</i>                           |
| <b>Total . . . . .</b>                     | <b>226,861</b>               | <b>108.2</b>         | <b>100.0</b>                          |
| <b>Sheep:</b>                              |                              |                      |                                       |
| Wool-bearing sheep:                        |                              |                      |                                       |
| Breeding ewes . . . . .                    | 98,368                       | 46.9                 | 42.6                                  |
| All others . . . . .                       | 108,869                      | 51.9                 | 47.1                                  |
| <i>Total wool-bearing sheep . . . . .</i>  | <i>207,237</i>               | <i>98.8</i>          | <i>89.7</i>                           |
| Native sheep:                              |                              |                      |                                       |
| Breeding ewes . . . . .                    | 12,770                       | 6.1                  | 5.5                                   |
| All others . . . . .                       | 10,938                       | 5.2                  | 4.8                                   |
| <i>Total native sheep . . . . .</i>        | <i>23,708</i>                | <i>11.3</i>          | <i>10.3</i>                           |
| <b>Total . . . . .</b>                     | <b>230,945</b>               | <b>110.1</b>         | <b>100.0</b>                          |
| GOATS . . . . .                            | 2,849                        | 1.4                  | —                                     |
| <b>SWINE:</b>                              |                              |                      |                                       |
| Breeding sows . . . . .                    | 2,738                        | 1.3                  | 15.8                                  |
| All others . . . . .                       | 14,632                       | 7.0                  | 84.2                                  |
| <b>Total . . . . .</b>                     | <b>17,370</b>                | <b>8.3</b>           | <b>100.0</b>                          |
| POULTRY . . . . .                          | 44,844                       | 21.4                 | —                                     |

24. — EUROPEAN AGRICULTURE.  
CLASSIFICATION OF BREEDING CATTLE ACCORDING TO BREED ON 31 JULY 1930.

| BREED                         | BREEDING CATTLE            |                                  |                               |              |                             |                |
|-------------------------------|----------------------------|----------------------------------|-------------------------------|--------------|-----------------------------|----------------|
|                               | Heifer calves under 1 year | Heifers over 1 and under 3 years | Cows and heifers over 3 years | Bulls in use | Other bulls and bull calves | Total          |
|                               | number                     | number                           | number                        | number       | number                      | number         |
| Native . . . . .              | 5,738                      | 4,096                            | 17,596                        | 670          | 4,862                       | 30,962         |
| Grade and crossbred . . . . . | 14,023                     | 18,129                           | 49,542                        | 977          | 14,368                      | 97,039         |
| Purebred . . . . .            | 102                        | 179                              | 373                           | 518          | 138                         | 1,310          |
| <b>Total . . . . .</b>        | <b>17,863</b>              | <b>23,204</b>                    | <b>67,511</b>                 | <b>2,165</b> | <b>18,568</b>               | <b>129,311</b> |
| <b>PERCENTAGES</b>            |                            |                                  |                               |              |                             |                |
|                               | %                          | %                                | %                             | %            | %                           | %              |
| Native . . . . .              | 12.1                       | 15.0                             | 56.8                          | 2.2          | 13.1                        | 100.0          |
| Grade and crossbred . . . . . | 14.4                       | 18.7                             | 51.1                          | 1.0          | 14.8                        | 100.0          |
| Purebred . . . . .            | 7.8                        | 13.7                             | 28.5                          | 39.5         | 10.5                        | 100.0          |
| <b>Total . . . . .</b>        | <b>13.8</b>                | <b>17.0</b>                      | <b>52.2</b>                   | <b>1.7</b>   | <b>14.4</b>                 | <b>100.0</b>   |
| Native . . . . .              | 20.9                       | 21.1                             | 26.1                          | 31.0         | 21.9                        | 23.9           |
| Grade and crossbred . . . . . | 78.5                       | 78.1                             | 73.4                          | 48.1         | 77.4                        | 75.1           |
| Purebred . . . . .            | 0.6                        | 0.8                              | 0.5                           | 23.9         | 0.7                         | 1.0            |
| <b>Total . . . . .</b>        | <b>100.0</b>               | <b>100.0</b>                     | <b>100.0</b>                  | <b>100.0</b> | <b>100.0</b>                | <b>100.0</b>   |

25. — EUROPEAN AGRICULTURE.  
CLASSIFICATION OF PUREBRED CATTLE ON 31 JULY 1930.

| BREED                    | PUREBRED CATTLE            |                                  |                               |              |                             |              |
|--------------------------|----------------------------|----------------------------------|-------------------------------|--------------|-----------------------------|--------------|
|                          | Heifer calves under 1 year | Heifers over 1 and under 3 years | Cows and heifers over 3 years | Bulls in use | Other bulls and bull calves | Total        |
|                          | number                     | number                           | number                        | number       | number                      | number       |
| Shorthorn . . . . .      | 14                         | 22                               | 74                            | 139          | 32                          | 281          |
| Friesian . . . . .       | 27                         | 69                               | 132                           | 205          | 53                          | 486          |
| Ayrshire . . . . .       | 55                         | 84                               | 151                           | 121          | 68                          | 459          |
| Other purebred . . . . . | 6                          | 4                                | 16                            | 53           | 5                           | 84           |
| <b>Total . . . . .</b>   | <b>102</b>                 | <b>179</b>                       | <b>373</b>                    | <b>518</b>   | <b>138</b>                  | <b>1,310</b> |
| <b>PERCENTAGES</b>       |                            |                                  |                               |              |                             |              |
|                          | %                          | %                                | %                             | %            | %                           | %            |
| Shorthorn . . . . .      | 5.0                        | 7.8                              | 26.3                          | 49.5         | 11.4                        | 100.0        |
| Friesian . . . . .       | 5.5                        | 14.2                             | 27.2                          | 42.2         | 19.9                        | 100.0        |
| Ayrshire . . . . .       | 12.0                       | 18.3                             | 32.9                          | 28.4         | 10.4                        | 100.0        |
| Other purebred . . . . . | 7.1                        | 4.8                              | 19.0                          | 63.1         | 6.0                         | 100.0        |
| <b>Total . . . . .</b>   | <b>7.8</b>                 | <b>13.7</b>                      | <b>28.5</b>                   | <b>39.5</b>  | <b>10.5</b>                 | <b>100.0</b> |
| Shorthorn . . . . .      | 13.7                       | 12.3                             | 19.0                          | 36.8         | 23.2                        | 21.5         |
| Friesian . . . . .       | 26.5                       | 28.6                             | 35.4                          | 39.6         | 38.4                        | 37.1         |
| Ayrshire . . . . .       | 53.9                       | 46.9                             | 40.5                          | 23.4         | 34.8                        | 35.0         |
| Other purebred . . . . . | 5.9                        | 2.2                              | 4.3                           | 10.2         | 3.6                         | 6.4          |
| <b>Total . . . . .</b>   | <b>100.0</b>               | <b>100.0</b>                     | <b>100.0</b>                  | <b>100.0</b> | <b>100.0</b>                | <b>100.0</b> |



26. — EUROPEAN AGRICULTURE.  
LIVESTOCK MORTALITY DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| CLASSIFICATION   | NUMBER OF DEATHS |  |
|------------------|------------------|--|
|                  | Absolute data    | Percentage of the total number of animals of each category |
|                  | number           | %  |
| Horses . . . . . | 211              | 9.3  |
| Asses . . . . .  | 73               | 6.0  |
| Mules . . . . .  | 45               | 8.2  |
| Cattle . . . . . | 15,607           | 6.9  |
| Sheep . . . . .  | 35,247           | 15.3   |
| Goats . . . . .  | 539              | 19.0   |
| Pigs . . . . .   | 1,327            | 7.6  |

27. — EUROPEAN AGRICULTURE.  
CAUSES OF CATTLE MORTALITY DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| CAUSES OF MORTALITY        | NUMBER OF DEATHS |                         |               |                         |               |                         |
|----------------------------|------------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
|                            | Adults           |                         | Calves        |                         | Total         |                         |
|                            | Absolute data    | Percentage of the total | Absolute data | Percentage of the total | Absolute data | Percentage of the total |
|                            | number           | %                       | number        | %                       | number        | %                       |
| East Coast fever . . . . . | 825              | 11.0                    | 1,710         | 21.0                    | 2,535         | 16.2                    |
| Rinderpest . . . . .       | 285              | 3.8                     | 293           | 3.6                     | 578           | 3.7                     |
| Other causes . . . . .     | 6,368            | 85.2                    | 6,126         | 75.4                    | 12,494        | 80.1                    |
| All causes . . . . .       | 7,478            | 100.0                   | 8,129         | 100.0                   | 15,607        | 100.0                   |

28. — EUROPEAN AGRICULTURE: STOCK SLAUGHTERED FOR CONSUMPTION ON FARMS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| CLASSIFICATION   | STOCK SLAUGHTERED |                      |
|------------------|-------------------|----------------------|
|                  | Absolute data     | Average per occupier |
|                  | number            | number               |
| Cattle . . . . . | 1,800             | 0.9                  |
| Sheep . . . . .  | 1,810             | 0.9                  |
| Goats . . . . .  | 267               | 0.1                  |
| Pigs . . . . .   | 1,195             | 0.6                  |

29. — EUROPEAN AGRICULTURE.  
ANIMAL PRODUCTS SOLD BY EUROPEANS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| PRODUCTS                | QUANTITY SOLD    |
|-------------------------|------------------|
| Dairy products:         | 1,000 Imp. gals. |
| Milk (whole) . . . . .  | 1,027            |
| Cream . . . . .         | 268              |
|                         | 1,000 lb.        |
| Butter . . . . .        | 372              |
| Cheese . . . . .        | 109              |
| Ghee . . . . .          | 116              |
| Bacon and ham . . . . . | 645              |
| Wool . . . . .          | 893              |

30. — EUROPEAN AGRICULTURE: DAIRY COMMODITIES PRODUCED IN LOCAL CREAMERIES DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| PRODUCTS                         | QUANTITY         |
|----------------------------------|------------------|
| Products received from farmers:  | 1,000 Imp. gals. |
| Milk . . . . .                   | 152              |
| Cream . . . . .                  | 279              |
| Products manufactured therefrom: | 1,000 lb.        |
| Butter . . . . .                 | 998              |
| Cheese . . . . .                 | 129              |
| Ghee . . . . .                   | 114              |

31. — EUROPEAN AGRICULTURE: NUMBER OF EUROPEANS EMPLOYED ON EUROPEAN HOLDINGS ON 31 JULY 1930.

Europeans employed (inclusive of occupiers) . . . . . Number 2,769

32. — EUROPEAN AGRICULTURE.  
AVERAGE NUMBER OF NATIVES EMPLOYED MONTHLY ON EUROPEAN HOLDINGS DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| PERIODS                                 | AVERAGE NUMBER OF NATIVES EMPLOYED |        |          |                        |         |
|---|------------------------------------|--------|----------|------------------------|---------|
|   | Men                                | Women  | Children | Casual daily labourers | Total   |
|   | number                             | number | number   | number                 | number  |
| August 1929 . . . . .                   | 85,731                             | 2,913  | 16,137   | 4,788                  | 109,569 |
| September . . . . .                     | 83,451                             | 2,797  | 15,868   | 4,100                  | 106,216 |
| October . . . . .                       | 85,934                             | 3,480  | 16,796   | 5,415                  | 111,625 |
| November . . . . .                      | 90,596                             | 4,939  | 18,066   | 17,263                 | 130,864 |
| December . . . . .                      | 94,708                             | 6,470  | 19,143   | 44,196                 | 164,517 |
| January 1930 . . . . .                  | 97,680                             | 6,150  | 19,270   | 36,177                 | 159,277 |
| February . . . . .                      | 91,194                             | 4,903  | 18,215   | 13,268                 | 127,580 |
| March . . . . .                         | 88,641                             | 3,408  | 17,992   | 5,192                  | 115,233 |
| April . . . . .                         | 91,049                             | 3,083  | 18,814   | 5,462                  | 118,408 |
| May . . . . .                           | 94,680                             | 3,771  | 19,461   | 6,250                  | 124,162 |
| June . . . . .                          | 92,740                             | 3,215  | 19,353   | 7,392                  | 122,700 |
| July . . . . .                          | 91,068                             | 2,995  | 18,304   | 6,360                  | 118,727 |
| 1 August 1929 to 31 July 1930 . . . . . | 90,633                             | 3,971  | 18,124   | 13,157                 | 125,885 |

33. — INDIAN AGRICULTURE.  
AVERAGE NUMBER OF NATIVES EMPLOYED MONTHLY IN INDIAN HOLDINGS  
DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| CLASSIFICATION | AVERAGE NUMBER OF NATIVES EMPLOYED |
|----------------|------------------------------------|
| Men .....      | 1,420                              |
| Women .....    | 60                                 |
| Children ..... | 185                                |
| Total . . .    | 1,671                              |

34. — EUROPEAN AGRICULTURE: APPROXIMATE AVERAGE MONTHLY WAGE PAID TO  
NATIVE LABOURERS AND AVERAGE MONTHLY VALUE OF RATIONS PROVIDED (ADDITIONAL  
TO WAGES) DURING THE TWELVE MONTHS ENDING 31 JULY 1930.

| PROVINCES AND DISTRICTS      | AVERAGE MONTHLY WAGE PAID PER UNIT |          |          | AVERAGE MONTHLY VALUE OF RATIONS ADDITIONAL TO WAGES |          |          |
|------------------------------|------------------------------------|----------|----------|--|----------|----------|
|                              | Men                                | Women    | Children | Men  | Women    | Children |
|                              | Sh. cts.                           | Sh. cts. | Sh. cts. | Sh. cts.   | Sh. cts. | Sh. cts. |
| <b>COAST PROVINCE:</b>       |                                    |          |          |  |          |          |
| Digo .....                   | 10.00                              | —        | —        | —  | —        | —        |
| Mombasa .....                | 21.20                              | —        | —        | —  | —        | —        |
| Kilifi and Malindi .....     | 16.96                              | ...      | 7.00     | 8.98   | 4.00     | 4.00     |
| <b>UKAMA PROVINCE:</b>       |                                    |          |          |  |          |          |
| Machakos and Kitui .....     | 10.73                              | 6.00     | 6.00     | 5.57   | 5.57     | 5.50     |
| Teta .....                   | 17.77                              | ...      | 7.30     | 7.39   | ...      | 6.49     |
| <b>KISUYU PROVINCE:</b>      |                                    |          |          |  |          |          |
| Nairobi .....                | 13.77                              | 0.75     | 7.75     | 5.05   | 5.00     | 4.66     |
| Kimbo .....                  | 13.58                              | 10.66    | 7.80     | 5.07   | 4.80     | 4.99     |
| Fort Hall .....              | 12.75                              | 9.43     | 6.90     | 4.03   | 4.03     | 3.49     |
| Nyeri, North .....           | 11.56                              | 6.75     | 5.60     | 5.00   | 4.00     | 4.50     |
| <b>NAIVASHA PROVINCE:</b>    |                                    |          |          |  |          |          |
| Naivasha .....               | 10.83                              | 6.17     | 6.15     | 4.00   | 4.00     | 3.80     |
| Laikipia .....               | 12.13                              | 7.43     | 6.09     | 6.75   | 6.00     | 5.33     |
| <b>RIFT VALLEY PROVINCE:</b> |                                    |          |          |  |          |          |
| Nakuru .....                 | 12.78                              | 5.38     | 5.81     | 4.80   | 4.00     | 4.55     |
| Ravine .....                 | 12.45                              | 8.66     | 6.69     | 4.01   | 4.61     | 4.61     |
| <b>NERI PROVINCE:</b>        |                                    |          |          |  |          |          |
| Nandi .....                  | 10.99                              | ...      | 6.13     | 5.47   | ...      | 4.96     |
| Uasin Gishu .....            | 9.73                               | 6.36     | 4.39     | 5.82   | 4.25     | 4.18     |
| Trans Nzoia .....            | 10.68                              | 5.02     | 5.10     | 4.42   | 4.35     | 4.20     |
| <b>NYANZA PROVINCE:</b>      |                                    |          |          |  |          |          |
| Karuri, Central .....        | 13.83                              | ...      | 6.00     | 4.00   | ...      | 4.00     |
| North .....                  | 11.45                              | 7.00     | 4.66     | 5.20   | 5.20     | 4.00     |
| South .....                  | 9.30                               | ...      | ...      | 3.33   | —        | —        |
| Kisumu-Londiani .....        | 12.62                              | 6.50     | 5.89     | 4.19   | 4.19     | 3.95     |
| Kericho .....                | 12.66                              | 9.33     | 4.93     | 5.20   | 5.20     | 5.00     |

MAURITIUS

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## THE AGRICULTURAL CENSUS IN MAURITIUS

The Agricultural Census of Mauritius was conducted by the Department of Agriculture of the Colony with the collaboration of the Police, Inland Revenue, Medical and Health and Forests Departments.

The enumeration of the areas under various crops and the yields was performed by the Police. The Inland Revenue Department provided statistics of draught cattle off Estates, the Medical and Health Department the statistics of milch cattle on and off Estates, and the Forests Department the figures of the area and distribution of Forests.

Detailed agricultural statistics are collected every year from Estates and part of the information thus obtained was used as a check on, or supplement to, the information collected by the Police. For cultivation off Estates, a satisfactory check was provided in the comparison of the tonnage calculated from the censused areas and yields with the actual tonnage of cane ground by the various factories, as supplied by the factories themselves to the Department of Agriculture. Other information was obtained from Estate Managers.

Where not otherwise indicated, the data contained in this Bulletin refer to the beginning of 1930.

The data were obtained from the following source: *Agricultural Census in Mauritius, 1930, Department of Agriculture, Mauritius.*

## I. — AREA.

|  |                   |
|--|-------------------|
| Cultivated land (1) . . . . .                | (2) 188,077 acres |
| Forests . . . . .                            | 94,701 "          |
| Other land . . . . .                         | 186,309 "         |
| Total area (mainland) of Mauritius . . . . . |                   |
|  | 458,278 "         |

(1) Including fallow land and minor crops. — (2) Partly estimated, the figure for fallow land (3,000 acres) being a rough estimate only.

## 2. — NUMBER AND AREA ACTUALLY UNDER SUGAR CANE OF ESTATES AND CANE HOLDINGS OFF ESTATES.

| CLASSIFICATION                          | ESTATES OR CANE HOLDINGS OFF ESTATES |            |        | AREA ACTUALLY UNDER SUGAR CANE |            |         |
|---|--------------------------------------|------------|--------|--------------------------------|------------|---------|
|   | Indian                               | Non Indian | Total  | Indian                         | Non Indian | Total   |
|   | number                               | number     | number | acres                          | acres      | acres   |
| <b>ESTATES (1):</b>                     |                                      |            |        |                                |            |         |
| <i>Estates with sugar factories:</i>    |                                      |            |        |                                |            |         |
| Estate plantations . . . . .            | —                                    | —          | —      | —                              | —          | 48,525  |
| Planters on Estates . . . . .           | —                                    | —          | —      | —                              | —          | 4,793   |
| Total . . . . .                         | 2                                    | 40         | 42     | —                              | —          | 53,318  |
| <i>Estates without sugar factories:</i> |                                      |            |        |                                |            |         |
| Estate plantations . . . . .            | —                                    | —          | —      | —                              | —          | 38,833  |
| Planters on Estates . . . . .           | —                                    | —          | —      | —                              | —          | 2,834   |
| Total . . . . .                         | 19                                   | 105        | 124    | —                              | —          | 41,667  |
| <b>Total Estates:</b>                   |                                      |            |        |                                |            |         |
| Estate plantations . . . . .            | —                                    | —          | —      | 10,164                         | 77,144     | 87,308  |
| Planters on Estates . . . . .           | —                                    | —          | —      | 6,953                          | 674        | 7,627   |
| Total . . . . .                         | 21                                   | 145        | 166    | 17,117                         | 77,868     | 94,985  |
| <b>CANE HOLDINGS OFF ESTATES (2):</b>   |                                      |            |        |                                |            |         |
| Of 10 acres or less . . . . .           | 13,626                               | 342        | 13,968 | 19,823                         | 2,046      | 21,869  |
| Greater than 10 acres . . . . .         | 474                                  | 73         | 547    | 15,800                         | 4,528      | 20,328  |
| Total . . . . .                         | 14,100                               | 435        | 14,535 | 35,623                         | 6,574      | 42,197  |
| General total . . . . .                 | —                                    | —          | —      | 52,740                         | 84,442     | 137,182 |

(1) In its report on the Agricultural Census, 1930, the Department of Agriculture, Mauritius, gives the following information: "It is difficult to frame a satisfactory definition for an Estate, in so far as Mauritius is concerned. The criterion which has been adopted in the present classification is the association of a definite name with the property. As a result, a few properties which bear no name, but which could be, in other respects, assimilated to Estates, have been classified as off Estates. On the other hand, a few properties of small extent have been classified as Estates, only because they bear a distinct name, although, in respect of size, they hardly deserve the appellation of Estate. Again, as a result of parceling out of large Estates, it frequently happens that a name, which formerly belonged to an Estate, is retained by a group of small properties: in such cases, the name is considered as applying to the locality in which the small properties are, and cane grown on these areas was classified as off Estates. — (2) In the Mauritius Census the word holding is applied to each parcel of land off Estates under a single crop and belonging to a single planter. The number of holdings in respect of a certain crop consequently represents the number of planters growing that crop and the area of each holding represents the area under it. Where a single planter grows a certain number of crops, a corresponding number of holdings is returned, so that the total number of holdings for all crops does not coincide with the total number of planters but exceeds it. The number of cane planters off Estates who carry on other forms of cultivation, however, is less than one per cent of the total number of cane planters off Estates, while for crops other than sugar cane the proportion is about five per cent of the total number of planters."

3. — NUMBER OF ESTATES AND CANE HOLDINGS OFF ESTATES  
AND THEIR DISTRIBUTION ACCORDING TO THE EXTENT OF THE AREA ACTUALLY UNDER CANE.

| EXTENT OF THE AREA ACTUALLY<br>UNDER SUGAR CANE | ESTATES OR CANE HOLDINGS OFF ESTATES |            |               |                         |
|---|--------------------------------------|------------|---------------|-------------------------|
|   | Indian                               | Non Indian | TOTAL         |                         |
|   |                                      |            | Absolute data | Percentage of the total |
|   | number                               | number     | number        | %                       |
| <b>ESTATES:</b>                                 |                                      |            |               |                         |
| Under 100 acres . . . . .                       | 1                                    | 25         | 26            | 15.7                    |
| 100 acres and under 200 . . . . .               | 5                                    | 31         | 36            | 21.7                    |
| 200 " " " 400 . . . . .                         | 5                                    | 28         | 33            | 19.9                    |
| 400 " " " 800 . . . . .                         | 8                                    | 25         | 33            | 19.9                    |
| 800 " " " 1,600 . . . . .                       | 2                                    | 29         | 31            | 18.6                    |
| 1,600 acres and above . . . . .                 | —                                    | 7          | 7             | 4.2                     |
| <b>Total . . . . .</b>                          | <b>21</b>                            | <b>145</b> | <b>166</b>    | <b>100.0</b>            |
| <b>CANE HOLDINGS OFF ESTATES:</b>               |                                      |            |               |                         |
| 0.1 and under 5.1 acres . . . . .               | 12,974                               | 538        | 13,312        | 91.6                    |
| 5.1 " " 10.1 " . . . . .                        | 652                                  | 24         | 676           | 4.7                     |
| 10.1 " " 20.1 " . . . . .                       | 263                                  | 15         | 278           | 1.9                     |
| 20.1 " " 40.1 " . . . . .                       | 120                                  | 16         | 136           | 0.9                     |
| 40.1 " " 100.1 " . . . . .                      | 67                                   | 26         | 93            | 0.6                     |
| 100.1 acres and above . . . . .                 | 24                                   | 16         | 40            | 0.3                     |
| <b>Total . . . . .</b>                          | <b>14,100</b>                        | <b>435</b> | <b>14,535</b> | <b>100.0</b>            |

4. — NUMBER OF ESTATES WITH SUGAR FACTORIES AND THEIR DISTRIBUTION  
ACCORDING TO THE CAPACITY OF THE FACTORIES.

| CAPACITY OF THE FACTORIES                   | ESTATES  |            |               |                         |
|---|----------|------------|---------------|-------------------------|
|   | Indian   | Non Indian | TOTAL         |                         |
|   |          |            | Absolute data | Percentage of the total |
|   | number   | number     | number        | %                       |
| Under 3,000 metric tons . . . . .           | —        | 6          | 6             | 14.3                    |
| 3,000 metric tons and under 5,000 . . . . . | 1        | 12         | 13            | 31.0                    |
| 5,000 " " " 7,000 . . . . .                 | —        | 14         | 14            | 33.3                    |
| 7,000 " " " 10,000 . . . . .                | 1        | 7          | 8             | 19.0                    |
| 10,000 metric tons and above . . . . .      | —        | 1          | 1             | 2.4                     |
| <b>Total . . . . .</b>                      | <b>2</b> | <b>40</b>  | <b>42</b>     | <b>100.0</b>            |

5. — AVERAGE YIELD OF SUGAR CANE IN 1929.

| CLASSIFICATION                               | Yield        |
|--|--------------|
|  | lb. per acre |
| On Estates with sugar factories . . . . .    | 48,700       |
| On Estates without sugar factories . . . . . | 42,300       |
| On holdings off Estates . . . . .            | 29,500       |
| General average . . . . .                    | 39,100       |

6. — NUMBER AND AREA UNDER CROP OF HOLDINGS OFF ESTATES  
AND THEIR DISTRIBUTION ACCORDING TO CROPS.

| CROPS                           | HOLDINGS OFF ESTATES (1) |            |               | AREA UNDER CROP OF HOLDINGS OFF ESTATES |                         |                         |               |                         |                         |               |                         |                         |
|---------------------------------|--------------------------|------------|---------------|---|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|
|                                 | Indian                   | Non Indian | Total         | Indian                                  |                         |                         | Non Indian    |                         |                         | TOTAL         |                         |                         |
|                                 |                          |            |               | Absolute data                           | Average per holding (1) | Percentage of the total | Absolute data | Average per holding (1) | Percentage of the total | Absolute data | Average per holding (1) | Percentage of the total |
|                                 | number                   | number     | number        | acres                                   | acres                   | %                       | acres         | acres                   | %                       | acres         | acres                   | %                       |
| Maize . . . . .                 | 476                      | 87         | 563           | 429                                     | 0.9                     | 1.0                     | 113           | 1.3                     | 1.3                     | 542           | 1.0                     | 1.1                     |
| Rice . . . . .                  | 19                       | 1          | 20            | 19                                      | 1.6                     | 0.1                     | 0.2           | 0.2                     | 0.002                   | 19            | 0.9                     | 0.1                     |
| Potatoes . . . . .              | 81                       | —          | 81            | 62                                      | 0.8                     | 0.1                     | —             | —                       | —                       | 62            | 0.8                     | 0.1                     |
| Sweet potatoes . . . . .        | 104                      | 22         | 126           | 49                                      | 0.5                     | 0.1                     | 9             | 0.4                     | 0.1                     | 58            | 0.5                     | 0.1                     |
| Manioc . . . . .                | 996                      | 91         | 1,087         | 921                                     | 0.9                     | 2.2                     | 131           | 1.4                     | 1.5                     | 1,052         | 1.0                     | 2.1                     |
| Sugar cane . . . . .            | 14,100                   | 435        | 14,535        | 35,623                                  | 2.5                     | 85.3                    | 6,574         | 15.1                    | 75.2                    | 42,197        | 2.9                     | 83.6                    |
| Alse (Mauritian hemp) . . . . . | 6                        | 6          | 12            | 764                                     | 127.3                   | 1.8                     | 1,287         | 214.5                   | 14.7                    | 2,051         | 170.9                   | 4.1                     |
| Groundnuts . . . . .            | 67                       | —          | 67            | 59                                      | 0.9                     | 0.1                     | —             | —                       | —                       | 59            | 0.9                     | 0.1                     |
| Tobacco . . . . .               | 329                      | 15         | 344           | 324                                     | 1.0                     | 0.8                     | 104           | 6.9                     | 1.2                     | 428           | 1.2                     | 0.8                     |
| Vegetables . . . . .            | 2,048                    | 84         | 2,132         | 2,491                                   | 1.2                     | 6.0                     | 88            | 1.0                     | 1.0                     | 2,579         | 1.2                     | 5.1                     |
| Orchards . . . . .              | 206                      | 30         | 236           | 476                                     | 2.3                     | 1.1                     | 96            | 3.2                     | 1.1                     | 572           | 2.4                     | 1.1                     |
| Bananas . . . . .               | 459                      | 23         | 482           | 333                                     | 0.7                     | 0.8                     | 31            | 1.3                     | 0.4                     | 364           | 0.8                     | 0.7                     |
| Cocoanuts . . . . .             | 18                       | 7          | 25            | 34                                      | 1.9                     | 0.1                     | 133           | 19.0                    | 1.5                     | 167           | 6.7                     | 0.3                     |
| Pineapples . . . . .            | 92                       | 8          | 100           | 151                                     | 1.6                     | 0.4                     | 11            | 1.4                     | 0.1                     | 162           | 1.6                     | 0.3                     |
| Coffee . . . . .                | —                        | 1          | 1             | —                                       | —                       | —                       | 1             | 1.0                     | 0.01                    | 1             | 1.0                     | 0.002                   |
| Tea . . . . .                   | —                        | 2          | 2             | —                                       | —                       | —                       | 157           | 78.5                    | 1.8                     | 157           | 78.5                    | 0.3                     |
| Vanilla . . . . .               | 11                       | 7          | 18            | 27                                      | 2.5                     | 0.1                     | 7             | 1.0                     | 0.1                     | 34            | 1.9                     | 0.1                     |
| <b>Total . . . . .</b>          | <b>19,012</b>            | <b>819</b> | <b>19,831</b> | <b>41,762</b>                           | <b>2.2</b>              | <b>100.0</b>            | <b>8,742</b>  | <b>10.7</b>             | <b>100.0</b>            | <b>50,504</b> | <b>2.5</b>              | <b>100.0</b>            |

(1) The number of holdings represents the number of planters. The total number of planters for crops other than sugar cane include individuals carrying on several forms of cultivation; the proportion of such planters is about five per cent of the total number of planters. In the same way a certain number of cane growers of Estates also carry on some other forms of cultivation, but the number of such growers is less than one per cent of the total number of cane growers of Estates.

## 7. — UTILIZATION OF CULTIVATED LAND DURING THE FIRST FIVE MONTHS OF 1930 (\*).

| CLASSIFICATION                                      | AREA       |                        |               |                                 |
|---|------------|------------------------|---------------|---------------------------------|
|   | On Estates | On holdings of Estates | Total         |                                 |
|   |            |                        | Absolute data | Percentage of general total (1) |
|   | acres      | acres                  | acres         | %                               |
| <b>ARABLE LAND</b>                                  |            |                        |               |                                 |
| <b>CROPS CUT FOR GRAIN:</b>                         |            |                        |               |                                 |
| Maize . . . . .                                     | 759        | 542                    | 1,301         | 0.8                             |
| Rice . . . . .                                      | 8          | 19                     | 27            | 0.02                            |
| Total . . . . .                                     | 767        | 561                    | 1,328         | 0.8                             |
| <b>TUBER AND ROOT CROPS:</b>                        |            |                        |               |                                 |
| Potatoes . . . . .                                  | 154        | 62                     | 216           | 0.1                             |
| Sweet potatoes . . . . .                            | 160        | 58                     | 218           | 0.1                             |
| Manioc . . . . .                                    | 522        | 1,052                  | 1,574         | 0.9                             |
| Total . . . . .                                     | 776        | 1,172                  | 1,948         | 1.1                             |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>               |            |                        |               |                                 |
| Sugar cane . . . . .                                | 94,085     | 42,197                 | 136,282       | 81.6                            |
| Aloe ( <i>Mauritius horgii</i> ) . . . . .          | 15,384     | 2,051                  | 17,435        | 10.4                            |
| Groundnuts . . . . .                                | 44         | 59                     | 103           | 0.1                             |
| Tobacco . . . . .                                   | 514        | 428                    | 942           | 0.4                             |
| Total . . . . .                                     | 110,727    | 44,735                 | 155,462       | 92.5                            |
| <b>VEGETABLES . . . . .</b>                         | 770        | 2,579                  | 3,349         | 1.9                             |
| <b>FALLOW LAND . . . . .</b>                        | ---        | ---                    | (2) 3,000     | 1.9                             |
| <b>Total arable land:</b>                           |            |                        |               |                                 |
| Not including fallow land . . . . .                 | 113,040    | 49,047                 | 162,087       | 96.3                            |
| Including fallow land . . . . .                     | ---        | ---                    | (3) 165,087   | 98.2                            |
| <b>OTHER CULTIVATED LAND</b>                        |            |                        |               |                                 |
| <b>FRUITS AND NUTS:</b>                             |            |                        |               |                                 |
| Orchards . . . . .                                  | 694        | 572                    | 1,266         | 0.8                             |
| Bananas . . . . .                                   | 148        | 364                    | 512           | 0.3                             |
| Cocoanuts . . . . .                                 | 515        | 167                    | 682           | 0.4                             |
| Pineapples . . . . .                                | 136        | 162                    | 298           | 0.2                             |
| Total . . . . .                                     | 1,493      | 1,265                  | 2,758         | 1.7                             |
| <b>MISCELLANEOUS PLANTATIONS:</b>                   |            |                        |               |                                 |
| Coffee . . . . .                                    | 12         | 1                      | 13            | 0.01                            |
| Tea . . . . .                                       | ---        | 157                    | 157           | 0.1                             |
| Vanilla . . . . .                                   | 6          | 34                     | 40            | 0.02                            |
| Total . . . . .                                     | 18         | 192                    | 210           | 0.1                             |
| <b>MINOR CROPS:</b>                                 |            |                        |               |                                 |
| Betal nuts . . . . .                                | ---        | ---                    | 5             | 0.003                           |
| Taro . . . . .                                      | ---        | ---                    | 6             | 0.004                           |
| Flowers . . . . .                                   | ---        | ---                    | 11            | 0.01                            |
| Total . . . . .                                     | ---        | ---                    | 22            | 0.02                            |
| <b>Total other cultivated land:</b>                 |            |                        |               |                                 |
| Not including minor crops . . . . .                 | 1,511      | 1,457                  | 2,968         | 1.8                             |
| Including minor crops . . . . .                     | ---        | ---                    | 2,990         | 1.8                             |
| <b>General total:</b>                               |            |                        |               |                                 |
| Not including fallow land and minor crops . . . . . | 114,551    | 50,504                 | 165,055       | 98.1                            |
| Including fallow land and minor crops . . . . .     | ---        | ---                    | (3) 168,077   | 100.0                           |

(\*). In the case of Mauritius, where sugar cane is the major crop, practically all the planting is carried out during the rainy season, i. e. December to May; hence the areas surveyed during these five months remain practically invariable till the end of the year. As regards other crops, of much less importance, as maize and manioc etc., it sometimes happens that two crops are raised on the same land during the first five months of the year.

(1) Including fallow land and minor crops. — (2) Rough estimate. — (3) Partly estimated.

## 8. — FORESTS.

| CLASSIFICATION                  | AREA          |                         |
|---------------------------------|---------------|-------------------------|
|                                 | Absolute data | Percentage of the total |
|                                 | acres         | %                       |
| Mountain reserves (1) . . . . . | 3,120         | 3.6                     |
| River reserves . . . . .        | 6,240         | 6.6                     |
| Domestic forests (2) . . . . .  | 79,341        | 83.8                    |
| <b>Total . . . . .</b>          | <b>94,701</b> | <b>100.0</b>            |

(1) Belonging to individuals but under Forest Department control. — (2) Including *ma-side* crown lands, locally called "Pas géométriques", planted with *Cassia*.

## 9. — MACHINERY IN SUGAR FACTORIES.

|  |                      |  |       |
|--|----------------------|--|-------|
| <b>POWER MACHINERY:</b>                    |                      |  |       |
| Dynamoes . . . . .                         | number               |  | 71    |
| Gas engines . . . . .                      | "                    |  | 27    |
| Motors attached to mills . . . . .         | "                    |  | 131   |
| <b>BOILERS:</b>                            |                      |  |       |
| Multi-tubular . . . . .                    | "                    |  | 184   |
| Vertical, etc. . . . .                     | "                    |  | 16    |
| <b>Total . . . . .</b>                     | "                    |  | 200   |
| <b>FACINES AND SPRACED:</b>                |                      |  |       |
| DERRICKS . . . . .                         | "                    |  | 22    |
| MILLS . . . . .                            | "                    |  | 31    |
| <b>JUICE BEATERS:</b>                      |                      |  |       |
| Ox-draw . . . . .                          | thousand cubic feet  |  | 73.5  |
| Under pressure . . . . .                   | "                    |  | 15.8  |
| <b>Total . . . . .</b>                     | "                    |  | 89.3  |
| <b>DECANTERS . . . . .</b>                 | "                    |  | 45.4  |
| <b>FILTER PRESS . . . . .</b>              | "                    |  | 282.2 |
| <b>PHILIP FILTERS . . . . .</b>            | thousand square feet |  | 57.5  |
|  | "                    |  | 46.0  |
| <b>EVAPORATING PLANTS:</b>                 |                      |  |       |
| Triple effect . . . . .                    | number               |  | 12    |
| Quadruple effect . . . . .                 | "                    |  | 35    |
| <b>Total . . . . .</b>                     | "                    |  | 47    |
| <b>TOTAL EVAPORATING SURFACE . . . . .</b> | thousand square feet |  | 338.8 |
| <b>BAROMETRIC CONDENSERS . . . . .</b>     | number               |  | 32    |
| <b>VACUUM PANS . . . . .</b>               | "                    |  | 194   |
| <b>CRYSTALLIZERS IN MOTION . . . . .</b>   | "                    |  | 811   |
| <b>CENTRIFUGALS:</b>                       |                      |  |       |
| Cast . . . . .                             | "                    |  | 311   |
| Waste . . . . .                            | "                    |  | 479   |
| <b>Total . . . . .</b>                     | "                    |  | 790   |

## 10. — MECHANICAL TRANSPORT ON ESTATES.

|                                |            |       |
|--------------------------------|------------|-------|
| <b>RAIL EXISTING . . . . .</b> | kilometres | 1,534 |
| <b>LOCOMOTIVES . . . . .</b>   | number     | 225   |
| <b>TRUCKS . . . . .</b>        | "          | 2,427 |
| <b>MOTOR LOBBIES . . . . .</b> | "          | 79    |
| <b>FARM TRACTORS . . . . .</b> | "          | 106   |

11. — DISTRIBUTION OF ESTATES WITH SUGAR FACTORIES AND OF EVAPORATING PLANTS ACCORDING TO THE NUMBER AND TYPE OF EVAPORATING PLANTS OF THE FACTORIES.

| NUMBER AND TYPE OF EVAPORATING PLANTS OF THE FACTORIES | Estates with        | Evaporating |
|--|---------------------|-------------|
|  | sugar factory using | plants      |
|  | number              | number      |
| One triple effect . . . . .                            | 7                   | 7           |
| One quadruple effect . . . . .                         | 30                  | 30          |
| Two triple effect . . . . .                            | 2                   | 4           |
| One triple and one quadruple effect . . . . .          | 1                   | 2           |
| Two quadruple effect . . . . .                         | 2                   | 4           |
| Total . . . . .  | 42                  | 47          |

12. — FIBRE MILLS IN 1929.

|                       |        |    |
|-----------------------|--------|----|
| Fibre mills . . . . . | number | 47 |
|-----------------------|--------|----|

13. — LIVESTOCK.

| CLASSIFICATION                     | LIVESTOCK     |                    |             |        |
|------------------------------------|---------------|--------------------|-------------|--------|
|                                    | On Estates    |                    | Off Estates | Total  |
|                                    | Absolute data | Average per estate |             |        |
| number                             | number        | number             | number      |        |
| HORSES, PONIES AND MILLS . . . . . | 316           | 1.9                | 711         | 1,027  |
| ASSES . . . . .                    | 220           | 1.3                | 209         | 429    |
| CATTLE:                            |               |                    |             |        |
| <i>Cattle for dairy purposes:</i>  |               |                    |             |        |
| Calves . . . . .                   | 2,032         | 12.3 (1)           | 7,000 (2)   | 9,032  |
| Cows . . . . .                     | 2,297         | 13.8 (1)           | 7,215 (2)   | 10,012 |
| Bulls . . . . .                    | 262           | 1.6 (1)            | 600 (2)     | 862    |
| Total . . . . .                    | 4,591         | 27.7 (2)           | 15,315 (2)  | 19,906 |
| Draught cattle . . . . .           | 2,094         | 12.6               | 3,849       | 5,943  |
| Cattle in herds . . . . .          | 6,035         | 36.3               | —           | 6,035  |
| Total . . . . .                    | 12,720        | 76.6 (2)           | 19,164 (2)  | 31,884 |
| SHEEP . . . . .                    | 1,230         | 7.4                | (3)         | —      |
| GOATS . . . . .                    | 4,791         | 28.9               | (3)         | —      |
| SWINE . . . . .                    | 1,926         | 11.6               | (3)         | —      |

(1) Estimated. — (2) Partly estimated. — (3) No data are available concerning the number of sheep, goats and pigs off Estates. There are very few sheep, while the number of goats and pigs is roughly estimated at 4 or 5 times the number on Estates.

14. — DISTRIBUTION OF CATTLE ON ESTATES.

| CLASSIFICATION             | CATTLE               |                                 |                                |                                 |               |                             |
|----------------------------|----------------------|---------------------------------|--------------------------------|---------------------------------|---------------|-----------------------------|
|                            | belonging to Estates |                                 | belonging to people on Estates |                                 | Total         |                             |
|                            | Absolute data        | Percentage of the general total | Absolute data                  | Percentage of the general total | Absolute data | Percentage of general total |
|                            | number               | %                               | number                         | %                               | number        | %                           |
| CATTLE FOR DAIRY PURPOSES: |                      |                                 |                                |                                 |               |                             |
| Calves . . . . .           | 637                  | 6.8                             | 1,395                          | 41.2                            | 2,032         | 16.0                        |
| Cows . . . . .             | 504                  | 5.4                             | 1,793                          | 53.0                            | 2,297         | 18.0                        |
| Bulls . . . . .            | 180                  | 1.9                             | 82                             | 2.4                             | 262           | 2.1                         |
| Total . . . . .            | 1,321                | 14.1                            | 3,270                          | 96.6                            | 4,591         | 36.1                        |
| DRAUGHT CATTLE . . . . .   | 1,963                | 21.3                            | 155                            | 3.3                             | 2,094         | 16.5                        |
| CATTLE IN HERDS . . . . .  | 6,035                | 64.6                            | 4                              | 0.1                             | 6,035         | 47.4                        |
| General total . . . . .    | 9,335                | 100.0                           | 3,385                          | 100.0                           | 12,720        | 100.0                       |

15. — AVERAGE AGRICULTURAL WAGES IN 1929.

|   |                      |             |
|---|----------------------|-------------|
| AGRICULTURAL LABOURERS UNDER MONTHLY CONTRACT . . . . . | Rupess per month (1) | 10          |
| DAY LABOURERS:  |                      |             |
| Male:   |                      |             |
| In intercrop season . . . . .                           | Rupess per day       | 0.70 - 0.80 |
| During crop time . . . . .                              | " " "                | 0.75 - 1.25 |
| Female . . . . .  | " " "                | 0.40 - 0.50 |
| PIECE WORKERS:  |                      |             |
| Clearing land . . . . .                                 | Rupess per acre      | 40 - 60     |
| Digging cane holes . . . . .                            | " " "                | 8 - 20      |
| Manuring (virgin oxen) . . . . .                        | " " "                | 15 - 17     |
| Weeding . . . . .                                       | " " "                | 5 - 7       |
| Cutting oxen (20 metric tons per acre) . . . . .        | " " "                | 10 - 12     |

(1) In addition to this wage, rations, free lodging and medical attendance, in all equivalent to about Rs. 15 per month, are furnished to laborers.



MOZAMBIQUE

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## THE AGRICULTURAL CENSUS IN MOZAMBIQUE.

The Census of 1930 was the first carried out in Mozambique. It was conducted as far as possible along the lines indicated in the questionnaire of the International Institute of Agriculture. A large number of changes were nevertheless necessary in view of the special character of the territory under consideration. It is a tropical country, where colonization has become important only in recent years and where native agriculture is still in a stage that precludes the compilation of statistics.

For this reason the Census refers only to holdings of a non-native character. Only holdings run by Europeans or by persons of equivalent status or assimilated to the European community have been covered by the Census. By persons assimilated is meant those of native origin distinguished from the ordinary natives; equivalent status refers to those who are neither Europeans, non natives of Mozambique, whether assimilated or not, and includes such as Chinese and natives of Portuguese or of British Indies. Because of the great extent of the country and the temporary character of many of the enterprises it is evident that the data of the first Census, which relate to a relatively limited group, cannot be complete. The Territory of Manica and Sofala is under a separate administration - the Privileged Company of Mozambique - as regards all questions of a purely internal nature. The Administration of this territory has given the maximum collaboration in the gathering of material. Each table in the present bulletin gives precise indications of the territory to which the data refer.

In addition to data referring to holdings of a European type, tables will be found at the end of the bulletin containing such supplementary data as it was possible to gather regarding indigenous agriculture.

The Census refers to 31 October 1930 or, in some tables, to the agricultural year ending on that date.

The data contained in this bulletin have been taken from the *Recenseamento Agrícola de 1929-30* and the *Apensos ao Recenseamento Agrícola de 1929-30* or have been obtained directly from the Administration of Agricultural Services at Lourenço Marques, which organized the Census in those territories directly administered by the Government of the Colony proper. For reason of space these districts are referred to in the table headings as "Territory administered by Government."

## 1. — AREA.

| DISTRICT   | TOTAL AREA         | AREA RUN BY EUROPEANS, ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS |                                    |                  |                             | OTHER AREA         |
|--|--------------------|--|------------------------------------|------------------|-----------------------------|--------------------|
|  |                    | on agricultural and forest holdings  | on forest and mangrove concessions | Total            | Percentage of general total |                    |
|  | acres              | acres  | acres                              | acres            | %                           | acres              |
| Lueneço Marques . . . . .  | 79,646,400         | 690,988  | 247                                | 691,235          | 14.3                        | 18,965,165         |
| Inhamitanga . . . . .  | 13,097,500         | 656,448  | 0                                  | 656,448          | 13.7                        | 12,441,052         |
| Tete . . . . .   | 24,835,700         | 15,229   | 0                                  | 15,229           | 0.3                         | 24,820,471         |
| Queltrane . . . . .  | 31,069,500         | 1,048,221  | 14,827                             | 1,063,048        | 22.2                        | 30,006,452         |
| Mozambique . . . . .   | 20,790,800         | 836,956  | 57,020                             | 893,976          | 18.7                        | 19,896,824         |
| Cabo Delgado . . . . .   | 19,229,800         | 438,460  | 9,884                              | 448,342          | 9.4                         | 18,781,458         |
| Nhamus . . . . .   | 28,670,800         | 6,425  | 0                                  | 6,425            | 0.1                         | 28,664,375         |
| <i>Total area of territories administered directly by the Government . . . . .</i> | <i>157,940,500</i> | <i>3,682,715</i>   | <i>81,978</i>                      | <i>3,764,693</i> | <i>28.7</i>                 | <i>153,175,807</i> |
| <i>Manica and Sofala . . . . .</i>   | <i>33,213,400</i>  | <i>1,012,275</i>   | <i>5,797</i>                       | <i>1,018,072</i> | <i>21.3</i>                 | <i>32,195,328</i>  |
| <i>Total area of whole Colony . . . . .</i>  | <i>190,553,900</i> | <i>4,694,990</i>   | <i>85,685</i>                      | <i>4,780,675</i> | <i>100.0</i>                | <i>185,373,225</i> |

## 2. — NUMBER OF AGRICULTURAL AND FOREST HOLDINGS AND THEIR DISTRIBUTION ACCORDING TO SIZE.

| SIZE OF HOLDINGS  | TERRITORIES ADMINISTERED BY GOVERNMENT | MANICA AND SOFALA | TOTAL FOR WHOLE COLONY |                     |
|---|--|-------------------|------------------------|---------------------|
|   |  |                   | Absolute data          | Percentage of total |
|   | number                                 | number            | number                 | %                   |
| Not over 1 ha. (2.5 acres) . . . . .                          | 9                                      | —                 | 9                      | 0.7                 |
| Over 1 ha. and up to 5 ha. inclusive (2.5-12 acres) . . . . . | 104                                    | 35                | 137                    | 9.9                 |
| “ 5 “ “ 10 “ “ (12-25 “ ) . . . . .                           | 66                                     | 4                 | 70                     | 5.1                 |
| “ 10 “ “ 20 “ “ (25-49 “ ) . . . . .                          | 42                                     | 4                 | 46                     | 3.4                 |
| “ 20 “ “ 50 “ “ (49-124 “ ) . . . . .                         | 115                                    | 8                 | 121                    | 8.8                 |
| “ 50 “ “ 100 “ “ (124-247 “ ) . . . . .                       | 85                                     | 5                 | 90                     | 6.6                 |
| “ 100 “ “ 250 “ “ (247-494 “ ) . . . . .                      | 84                                     | 10                | 94                     | 6.9                 |
| “ 250 “ “ 500 “ “ (494-1,236 “ ) . . . . .                    | 157                                    | 38                | 195                    | 14.2                |
| “ 500 “ “ 1,000 “ “ (1,236-2,471 “ ) . . . . .                | 167                                    | 58                | 225                    | 16.4                |
| “ 1,000 “ “ 2,500 “ “ (2,471-6,178 “ ) . . . . .              | 137                                    | 79                | 216                    | 15.8                |
| “ 2,500 “ “ 5,000 “ “ (6,178-12,355 “ ) . . . . .             | 82                                     | 20                | 102                    | 7.4                 |
| “ 5,000 “ “ 10,000 “ “ (12,355-24,711 “ ) . . . . .           | 34                                     | 6                 | 40                     | 2.9                 |
| “ 10,000 “ “ 20,000 “ “ (24,711-49,422 “ ) . . . . .          | 13                                     | 3                 | 16                     | 1.2                 |
| “ 20,000 “ “ 30,000 “ “ (49,422-74,133 “ ) . . . . .          | 6                                      | —                 | 6                      | 0.4                 |
| “ 30,000 “ “ 40,000 “ “ (74,133-98,844 “ ) . . . . .          | 1                                      | —                 | 1                      | 0.1                 |
| “ 40,000 “ “ 50,000 “ “ (98,844-123,554 “ ) . . . . .         | 2                                      | 1                 | 3                      | 0.2                 |
| <i>Total . . . . .</i>  | <i>1,102</i>                           | <i>209</i>        | <i>1,371</i>           | <i>100.0</i>        |

## 3. — DISTRIBUTION OF AGRICULTURAL AND FOREST HOLDINGS ACCORDING TO MODE OF TENURE.

| CLASSIFICATION  | TERRITORIES ADMINISTERED BY GOVERNMENT | MANICA AND SOFALA | TOTAL FOR WHOLE COLONY |                     |
|---|--|-------------------|------------------------|---------------------|
|   |  |                   | Absolute data          | Percentage of total |
|   | acres                                  | acres             | acres                  | %                   |
| Occupied land, including allodial except the following categories . . . . .   | 3,445,053                              | 935,644           | 4,380,697              | 93.3                |
| Leasehold property (excluding land leased by the State) . . . . .   | 122,897                                | 26,631            | 199,528                | 4.2                 |
| Land occupied by permission of proprietors, held in trusteeship, occupied with building rights, occupied under other conditions . . . . . | 114,765                                | —                 | 114,765                | 2.5                 |
| Total . . . . .   | 3,682,715                              | 1,012,275         | 4,694,990              | 100.0               |

## 4. — AREA OF AGRICULTURAL AND FOREST HOLDINGS ACCORDING TO JURIDICAL CHARACTER OF MODE OF TENURE.

| CLASSIFICATION  | TERRITORIES ADMINISTERED BY GOVERNMENT (1) |                     |
|---|--|---------------------|
|   | Absolute data                              | Percentage of total |
|   | acres                                      | %                   |
| Allodial property definitely demarcated . . . . .                 | 597,435                                    | 16.2                |
| Allodial property, projected . . . . .                            | 1,640                                      | 0.03                |
| Emphyteutic lease, definitive . . . . .                           | 1,599,747                                  | 43.5                |
| Emphyteutic lease, projected . . . . .                            | 4,942                                      | 0.1                 |
| Olivegrove leases . . . . .                                       | 47,205                                     | 1.3                 |
| Simple occupation, definitive . . . . .                           | 88,082                                     | 2.4                 |
| Simple occupation, projected . . . . .                            | 195  | 0.01                |
| Provisional occupation, definitively demarcated . . . . .         | 347,291                                    | 9.4                 |
| Provisional occupation, not definitively demarcated . . . . .     | 287,296                                    | 7.8                 |
| Provisional demarcation, with request for concession . . . . .    | 190,563                                    | 5.2                 |
| Provisional demarcation, without request for concession . . . . . | 106,598                                    | 2.9                 |
| Provisional demarcation, projected . . . . .                      | 14,827                                     | 0.4                 |
| Concessions without limiting conditions . . . . .                 | 185,333                                    | 5.0                 |
| Land exploited directly by the State . . . . .                    | 10,134                                     | 0.3                 |
| Mode of tenure unspecified . . . . .                              | 201,527                                    | 5.5                 |
| Total . . . . .   | 3,682,715                                  | 100.0               |

(1) In Manica and Sofala, the system of land tenure is different.

## 5. — NUMBER OF AGRICULTURAL AND FOREST HOLDINGS AND THEIR DISTRIBUTION ACCORDING TO STATUS OF HOLDER.

| CLASSIFICATION   | TERRITORIES ADMINISTERED BY GOVERNMENT | MANICA AND SOFALA | TOTAL FOR WHOLE COLONY |                     |
|--|--|-------------------|------------------------|---------------------|
|  |  |                   | Absolute data          | Percentage of total |
|  | number                                 | number            | number                 | %                   |
| European holders . . . . .   | 467                                    | 215               | 682                    | 64.3                |
| Holders assimilated to or of status equivalent to European . . . . . | 435                                    | 54                | 489                    | 35.7                |
| Total . . . . .  | 1,102                                  | 269               | 1,371                  | 100.0               |

## 6. — AREA OF AGRICULTURAL AND FOREST HOLDINGS ACCORDING TO NATIONALITY OF PROPRIETORS (1).

| NATIONALITY                         | TOTAL FOR WHOLE COLONY |                     |
|-------------------------------------|------------------------|---------------------|
|                                     | Absolute data          | Percentage of total |
|                                     | acres                  | %                   |
| Portuguese . . . . .                | 2,982,285              | 63.5                |
| Belgian . . . . .                   | 17,298                 | 0.4                 |
| British . . . . .                   | 890,761                | 19.0                |
| Danish . . . . .                    | 5,992                  | 0.1                 |
| French . . . . .                    | 133,296                | 2.8                 |
| German . . . . .                    | 117,723                | 2.5                 |
| Greek . . . . .                     | 78,642                 | 1.7                 |
| Italian . . . . .                   | 10,727                 | 0.2                 |
| Romanian . . . . .                  | 19,769                 | 0.4                 |
| Spanish . . . . .                   | 3,954                  | 0.1                 |
| Swiss . . . . .                     | 73,349                 | 1.6                 |
| American (United States) . . . . .  | 14,362                 | 0.3                 |
| Brazilian . . . . .                 | 49                     | 0.0                 |
| Chinese . . . . .                   | 3,549                  | 0.1                 |
| Mixed nationality . . . . .         | 205,335                | 4.4                 |
| Nationality not specified . . . . . | 137,899                | 2.9                 |
| Total . . . . .                     | 4,694,990              | 100.0               |

(1) Civil and juridical persons.

## 7. — NUMBER AND AREA OF FOREST AND MANGROVE CONCESSIONS ACTUALLY WORKED.

| CLASSIFICATION                        | TERRITORIES ADMINISTERED BY GOVERNMENT | MANICA AND SOFALA | TOTAL FOR WHOLE COLONY |
|---------------------------------------|--|-------------------|------------------------|
|                                       |  |                   |                        |
| Number of concessions . . . . .       | 7                                      | 1                 | 8                      |
| Area of concessions (acres) . . . . . | 81,976                                 | 3,707             | 85,683                 |



## 11. — ARABLE LAND CROPS: AREA UNDER SINGLE AND INTERCALARY CROPS AND AREA NOT HARVESTED.

| CROPS   | TERRITORIES ADMINISTERED BY GOVERNMENT |                       |                |                                  |
|---|--|-----------------------|----------------|----------------------------------|
|   | Area under                             |                       |                | Including area not harvested (2) |
|   | single crops (1)                       | intercalary crops (1) | total          |                                  |
|   | acres                                  | acres                 | acres          | acres                            |
| <b>CEREALS CUT FOR GRAIN:</b>                                   |  |                       |                |                                  |
| Maize . . . . .   | 31,860                                 | 42,871                | 74,671         | 5,513                            |
| Rice . . . . .  | 2,674                                  | 82                    | 2,756          | 131                              |
| Sorghum . . . . .   | 4,653                                  | 820                   | 5,473          | 709                              |
| Elaeagnus millet . . . . .                                      | 0                                      | 20                    | 20             | 0                                |
| <i>Total . . . . .</i>  | <i>39,127</i>                          | <i>43,793</i>         | <i>82,920</i>  | <i>6,353</i>                     |
| <b>LEGUMINOUS CROPS FOR GRAIN:</b>                              |  |                       |                |                                  |
| Chinese cow peas ( <i>Vigna stenosia</i> , Endlicher) . . . . . | 3,739                                  | 27,451                | 31,190         | 4,184                            |
| Native beans, not specified . . . . .                           | 650                                    | 193                   | 843            | 0                                |
| Kidney beans . . . . .  | 2,716                                  | 2,365                 | 5,081          | 440                              |
| Mung ( <i>Phaseolus mungo</i> , L.) . . . . .                   | 141                                    | 294                   | 435            | 0                                |
| Cow peas . . . . .  | 2                                      | 467                   | 469            | 0                                |
| Chickpeas . . . . .   | 32                                     | 5                     | 37             | 17                               |
| <i>Total . . . . .</i>  | <i>7,280</i>                           | <i>30,795</i>         | <i>38,075</i>  | <i>4,641</i>                     |
| <b>TUBER AND ROOT CROPS FOR FOOD:</b>                           |  |                       |                |                                  |
| Potatoes . . . . .  | 1,792                                  | 121                   | 1,913          | 89                               |
| Sweet potatoes . . . . .  | 173                                    | 222                   | 395            | 15                               |
| Manioc . . . . .  | 5,088                                  | 4,725                 | 9,813          | 3,086                            |
| <i>Total . . . . .</i>  | <i>7,053</i>                           | <i>5,068</i>          | <i>12,121</i>  | <i>3,190</i>                     |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                           |  |                       |                |                                  |
| Sugar-cane . . . . .  | 39,614                                 | 7                     | 39,621         | 22,492                           |
| Cotton . . . . .  | 34,094                                 | 13,722                | 47,816         | 4,327                            |
| Groundnuts . . . . .  | 5,548                                  | 8,795                 | 14,343         | 89                               |
| Castor-oil plant . . . . .                                      | 845                                    | 1,329                 | 2,165          | 29                               |
| Sesame . . . . .  | 3,324                                  | 4,394                 | 7,718          | 480                              |
| Sunflowers . . . . .  | 1,367                                  | 603                   | 1,970          | 605                              |
| <i>Total . . . . .</i>  | <i>84,792</i>                          | <i>28,841</i>         | <i>113,633</i> | <i>27,992</i>                    |
| <b>VEGETABLES:</b>  |  |                       |                |                                  |
| Tomatoes . . . . .  | 289                                    | 54                    | 343            | 15                               |
| Caulis . . . . .  | 185                                    | 2,049                 | 2,234          | 29                               |
| Other horticultural crops . . . . .                             | 1,265                                  | 556                   | 1,819          | 42                               |
| <i>Total . . . . .</i>  | <i>1,739</i>                           | <i>2,659</i>          | <i>4,398</i>   | <i>77</i>                        |
| <i>General total . . . . .</i>                                  | <i>139,969</i>                         | <i>111,156</i>        | <i>251,155</i> | <i>42,254</i>                    |

(1) The data concerning area under intercalary crops are incomplete; the area given under single crops represents the difference between the total area and the area under intercalary crops. — (2) Data incomplete.

## 12. — PRINCIPAL CROPS FOR FOOD: DISTRIBUTION OF AREA WITH INTERCALARY CROPS (1).

| CROPS WITH WHICH MAIZE, BEANS OR MANIOC ARE INTERCALATED        | TERRITORIES ADMINISTERED BY GOVERNMENT (2) |                     |                      |                     |               |                     |
|---|--|---------------------|----------------------|---------------------|---------------|---------------------|
|   | Maize                                      |                     | Chinese cow peas (3) |                     | Manioc        |                     |
|   | Absolute data                              | Percentage of total | Absolute data        | Percentage of total | Absolute data | Percentage of total |
|   | acres                                      | %                   | acres                | %                   | acres         | %                   |
| Maize . . . . .   | —  | —                   | 5,669                | 20.6                | 217           | 4.6                 |
| Chinese cow peas ( <i>Vigna stenosia</i> , Endlicher) . . . . . | 5,069                                      | 13.2                | —                    | —                   | 148           | 3.1                 |
| Manioc . . . . .  | 217  | 0.5                 | 148                  | 0.5                 | —             | —                   |
| Cotton . . . . .  | 10,922                                     | 29.5                | 7                    | 0.03                | 0             | 0.0                 |
| Groundnuts . . . . .  | 2,239                                      | 5.2                 | 519                  | 1.9                 | 267           | 5.6                 |
| Sesame . . . . .  | 1,801                                      | 4.2                 | 10                   | 0.04                | 0             | 0.0                 |
| Coconut palms . . . . .   | 4,805                                      | 11.2                | 8,908                | 32.5                | 1,742         | 36.9                |
| Sisal . . . . .   | 4,537                                      | 10.6                | 2,076                | 7.6                 | 12            | 0.3                 |
| Coffee . . . . .  | 40   | 0.1                 | 1,969                | 7.2                 | 62            | 1.3                 |
| Various beans (other than <i>Vigna stenosia</i> ) . . . . .     | 1,231                                      | 2.9                 | 0                    | —                   | 12            | 0.3                 |
| Various beans and other crops (4) . . . . .                     | 5,123                                      | 11.9                | (5) 5,150            | 18.8                | 979           | 20.7                |
| Coconut palms and other crops . . . . .                         | 2,740                                      | 6.4                 | 1,493                | 5.4                 | 702           | 14.9                |
| Other crops . . . . .   | 3,546                                      | 8.5                 | 1,482                | 5.4                 | 584           | 12.3                |
| <i>Total . . . . .</i>  | <i>62,871</i>                              | <i>100.0</i>        | <i>27,451</i>        | <i>100.0</i>        | <i>4,725</i>  | <i>100.0</i>        |

(1) See note (1) to table 11. — (2) Excluding the Tete and Niassa districts. — (3) *Vigna stenosia*, Endlicher. — (4) Excluding crops with which coconut palms are intercalated. — (5) Maize and other crops except coconut palms.

## 13. — PRINCIPAL CROPS FOR INDUSTRIAL PURPOSES: DISTRIBUTION OF AREA WITH INTERCALARY CROPS (1).

| CROPS WITH WHICH COTTON, GROUNDNUTS OR SESAME ARE INTERCALATED  | TERRITORIES ADMINISTERED BY GOVERNMENT (2) |                     |                |                     |               |                     |
|---|--|---------------------|----------------|---------------------|---------------|---------------------|
|   | Cotton                                     |                     | Groundnuts (3) |                     | Sesame        |                     |
|   | Absolute data                              | Percentage of total | Absolute data  | Percentage of total | Absolute data | Percentage of total |
|   | acres                                      | %                   | acres          | %                   | acres         | %                   |
| Maize . . . . .   | 10,922                                     | 79.5                | 2,239          | 25.5                | 1,801         | 41.0                |
| Chinese cow peas ( <i>Vigna stenosia</i> , Endlicher) . . . . . | 7  | 0.1                 | 519            | 5.9                 | 10            | 0.2                 |
| Manioc . . . . .  | 0  | 0.0                 | 267            | 3.0                 | 0             | 0.0                 |
| Cotton . . . . .  | —  | —                   | 309            | 3.5                 | 5             | 0.1                 |
| Groundnuts . . . . .  | 309  | 2.2                 | —              | —                   | 0             | 0.0                 |
| Sesame . . . . .  | 5  | 0.04                | 0              | 0.0                 | —             | —                   |
| Coconut palms . . . . .   | 215  | 1.6                 | 1,658          | 18.9                | 5             | 0.1                 |
| Sisal . . . . .   | 1,139                                      | 8.3                 | 222            | 2.5                 | 39            | 0.7                 |
| Coffee . . . . .  | 0  | 0.0                 | 309            | 3.5                 | 0             | 0.0                 |
| Various beans (other than <i>Vigna stenosia</i> ) . . . . .     | 124  | 0.9                 | 514            | 5.9                 | 0             | 0.0                 |
| Various beans and other crops (3) . . . . .                     | 272  | 2.0                 | 1,625          | 18.5                | 1,960         | 44.6                |
| Coconut palms and other crops . . . . .                         | 440  | 3.2                 | 339            | 3.8                 | 494           | 11.2                |
| Other crops . . . . .   | 289  | 2.1                 | 793            | 9.0                 | 89            | 2.1                 |
| <i>Total . . . . .</i>  | <i>13,722</i>                              | <i>100.0</i>        | <i>8,795</i>   | <i>100.0</i>        | <i>4,394</i>  | <i>100.0</i>        |

(1) See note (1) to table 11. — (2) Excluding the Tete and Niassa districts. — (3) Excluding crops with which coconut palms are intercalated.



## 14. — MAIZE: DISTRIBUTION OF HOLDINGS ACCORDING TO AVERAGE UNIT-YIELD.

| YIELD PER HECTARE   | TOTAL FOR WHOLE COLONY |                     |
|---|------------------------|---------------------|
|   | Holdings               | Percentage of total |
|   | number                 | %                   |
| Not over 5 quintals (1,102 lb.) . . . . .                                   | 234                    | 36.1                |
| Over 5 quintals and up to 10 quintals inclusive (1,102-2,205 lb.) . . . . . | 206                    | 31.7                |
| + 10 " " " 15 " " (2,205-3,307 " ) . . . . .                                | 95                     | 14.6                |
| + 15 " " " 20 " " (3,307-4,409 " ) . . . . .                                | 74                     | 11.4                |
| + 20 " " " 25 " " (4,409-5,512 " ) . . . . .                                | 24                     | 3.7                 |
| + 25 " " " 30 " " (5,512-6,614 " ) . . . . .                                | 9                      | 1.4                 |
| + 30 " " " 35 " " (6,614-7,716 " ) . . . . .                                | 4                      | 0.6                 |
| + 35 " " " 40 " " (7,716-8,819 " ) . . . . .                                | 2                      | 0.3                 |
| + 40 " (8,119 lb.) . . . . .  | 1                      | 0.2                 |
| Total . . . . .   | 649                    | 100.0               |
| Total number of holdings growing maize . . . . .                            | 657                    | —                   |

15. — CHINESE COW PEAS <sup>(1)</sup>: DISTRIBUTION OF HOLDINGS ACCORDING TO AVERAGE UNIT-YIELD.

| YIELD PER HECTARE  | TOTAL FOR WHOLE COLONY |                     |
|--|------------------------|---------------------|
|  | Holdings               | Percentage of total |
|  | number                 | %                   |
| Not over 1.5 quintal (331 lb.) . . . . .                                   | 89                     | 30.0                |
| Over 1.5 quintal and up to 3.0 quintals inclusive (331- 661 lb.) . . . . . | 83                     | 28.0                |
| + 3.0 quintals " " 4.5 " " (661- 992 " ) . . . . .                         | 53                     | 17.9                |
| + 4.5 " " " 6.0 " " (992-1,323 " ) . . . . .                               | 28                     | 9.4                 |
| + 6.0 " " " 7.5 " " (1,323-1,653 " ) . . . . .                             | 20                     | 6.7                 |
| + 7.5 " " " 9.0 " " (1,653-1,984 " ) . . . . .                             | 7                      | 2.4                 |
| + 9.0 " " " 10.5 " " (1,984-2,315 " ) . . . . .                            | 9                      | 3.0                 |
| + 10.5 " " " 12.0 " " (2,315-2,646 " ) . . . . .                           | 4                      | 1.3                 |
| + 12.0 " (2,646 lb.) . . . . .   | 4                      | 1.3                 |
| Total . . . . .  | 297                    | 100.0               |
| Total number of holdings growing Chinese cow peas <sup>(1)</sup> . . . . . | 310                    | —                   |

(1) *Vigna sinensis*, Endlicher.

## 16. — MANIOC: DISTRIBUTION OF HOLDINGS ACCORDING TO AVERAGE UNIT-YIELD.

| YIELD PER HECTARE  | TOTAL FOR WHOLE COLONY |                     |
|--|------------------------|---------------------|
|  | Holdings               | Percentage of total |
|  | number                 | %                   |
| Not over 4 quintals (832 lb.) . . . . .                                  | 50                     | 26.4                |
| Over 4 quintals and up to 8 quintals inclusive (832-1,764 lb.) . . . . . | 54                     | 28.6                |
| + 8 " " " 12 " " (1,764-2,646 " ) . . . . .                              | 45                     | 23.8                |
| + 12 " " " 16 " " (2,646-3,527 " ) . . . . .                             | 16                     | 8.5                 |
| + 16 " " " 20 " " (3,527-4,409 " ) . . . . .                             | 8                      | 4.2                 |
| + 20 " " " 24 " " (4,409-5,291 " ) . . . . .                             | 2                      | 1.1                 |
| + 24 " " " 28 " " (5,291-6,173 " ) . . . . .                             | 5                      | 2.6                 |
| + 28 " " " 32 " " (6,173-7,055 " ) . . . . .                             | 3                      | 1.6                 |
| + 32 " " " 36 " " (7,055-7,937 " ) . . . . .                             | 1                      | 0.5                 |
| + 36 " " " 40 " " (7,937-8,819 " ) . . . . .                             | 1                      | 0.5                 |
| + 40 " " " 44 " " (8,819-9,700 " ) . . . . .                             | 2                      | 1.1                 |
| + 44 " (9,700 lb.) . . . . .   | 2                      | 1.1                 |
| Total . . . . .  | 189                    | 100.0               |
| Total number of holdings growing manioc . . . . .                        | 258                    | —                   |

## 17. — COTTON: DISTRIBUTION OF HOLDINGS ACCORDING TO AVERAGE UNIT-YIELD.

| YIELD PER HECTARE   | TOTAL FOR WHOLE COLONY <sup>(1)</sup> |                     |
|---|---------------------------------------|---------------------|
|   | Holdings                              | Percentage of total |
|   | number                                | %                   |
| Not over 50 kilograms (110 lb.) . . . . .                                   | 30                                    | 27.5                |
| Over 50 kilograms and up to 100 kilograms inclusive (110-220 lb.) . . . . . | 32                                    | 29.4                |
| + 100 " " " 150 " " (220-331 " ) . . . . .                                  | 14                                    | 12.8                |
| + 150 " " " 200 " " (331-441 " ) . . . . .                                  | 17                                    | 15.6                |
| + 200 " " " 300 " " (441-661 " ) . . . . .                                  | 4                                     | 3.7                 |
| + 300 " (661 lb.) . . . . .   | 12                                    | 11.0                |
| Total . . . . .   | 109                                   | 100.0               |
| Total number of holdings growing manioc . . . . . <sup>(1)</sup>            | 129                                   | —                   |

(1) Excluding the Cabo Delgado district with 27 holdings.

## 18. — GROUNDNUTS: DISTRIBUTION OF HOLDINGS ACCORDING TO AVERAGE UNIT-YIELD.

| YIELD PER HECTARE  | TOTAL FOR WHOLE COLONY (1) |                     |
|--|----------------------------|---------------------|
|  | Holdings                   | Percentage of total |
|  | number                     | %                   |
| Not over 240 kilograms (529 lb.) . . . . .                                     | 49                         | 23.1                |
| Over 240 kilograms and up to 480 kilograms inclusive (520-1,058 lb.) . . . . . | 50                         | 23.7                |
| " 480 " " " 720 " " (1,058-1,587 " ) . . . . .                                 | 31                         | 14.7                |
| " 720 " " " 960 " " (1,587-2,116 " ) . . . . .                                 | 27                         | 12.8                |
| " 960 " " " 1,200 " " (2,116-2,646 " ) . . . . .                               | 24                         | 11.4                |
| " 1,200 " " " 1,440 " " (2,646-3,175 " ) . . . . .                             | 7                          | 3.3                 |
| " 1,440 " " " 1,680 " " (3,175-3,704 " ) . . . . .                             | 10                         | 4.7                 |
| " 1,680 " " " 1,920 " " (3,704-4,233 " ) . . . . .                             | 4                          | 1.9                 |
| " 1,920 " " " 2,160 " " (4,233-4,762 " ) . . . . .                             | 4                          | 1.9                 |
| " 2,160 " " " 2,400 " " (4,762-5,291 " ) . . . . .                             | 1                          | 0.5                 |
| " 2,400 " " " 2,640 " " (5,291-5,820 " ) . . . . .                             | 1                          | 0.5                 |
| " 2,640 " " " 2,880 " " (5,820-6,349 " ) . . . . .                             | 1                          | 0.5                 |
| " 2,880 " " " 3,120 " " (6,349-6,878 " ) . . . . .                             | 1                          | 0.5                 |
| " 3,120 " (6,878 lb.) . . . . .  | 1                          | 0.5                 |
| <b>Total . . . . .</b>   | <b>211</b>                 | <b>100.0</b>        |
| <i>Total number of holdings growing groundnuts . . . . .</i>                   | (1) 215                    | —                   |

(1) Excluding the Laureço Marçães district with 84 holdings.

## 19. — SUGAR-CANE: AREA AND PRODUCTION.

| CLASSIFICATION                      | TOTAL FOR WHOLE COLONY |                     |                  |
|-------------------------------------|------------------------|---------------------|------------------|
|                                     | Area                   |                     | Production       |
|                                     | Absolute data          | Percentage of total |                  |
|                                     | acres                  | %                   | 1,000 lb.        |
| Productive . . . . .                | 47,252                 | 67.8 (1)            | 1,771,588        |
| Productive, not harvested . . . . . | 4,680                  | 6.7                 | —                |
| Unproductive . . . . .              | 17,812                 | 25.5                | —                |
| <b>Total . . . . .</b>              | <b>69,744</b>          | <b>100.0 (1)</b>    | <b>1,771,588</b> |

(1) Data incomplete; including production of over 371 acres.

## 20. — ARABLE LAND CROPS: QUANTITY SOLD DURING AGRICULTURAL YEAR.

| PRODUCTS  | TERRITORIES ADMINISTERED BY GOVERNMENT (1) |               |                                 |
|---|--|---------------|---------------------------------|
|   | Annual production                          | Quantity sold |                                 |
|   |  | Absolute data | Percentage of annual production |
|   | 1,000 lb.                                  | 1,000 lb.     | %                               |
| <b>CEREALS:</b>   |  |               |                                 |
| Maize . . . . .   | 44,964                                     | 24,007        | 53.4                            |
| Spiked millet . . . . .                                       | 199  | 179           | 89.9                            |
| Rice . . . . .  | 1,432                                      | 726           | 50.7                            |
| Sorghum . . . . .   | 2,310                                      | 624           | 27.0                            |
| Others (wheat and slausive millet) . . . . .                  | 7  | 0             | —                               |
| <b>LEGUMINOUS CROPS FOR GRAIN:</b>                            |  |               |                                 |
| Chinese cow peas ( <i>Pisum sinense</i> , Edlicher) . . . . . | 5,226                                      | 1,980         | 37.9                            |
| Native beans, other (2) . . . . .                             | 565  | 109           | 19.3                            |
| Kidney beans (3) . . . . .                                    | 1,275                                      | 722           | 56.6                            |
| Mung ( <i>Phaseolus mung</i> , L.) . . . . .                  | 95   | 65            | 68.6                            |
| Velvet beans . . . . .  | 42   | 32            | 76.0                            |
| Broad beans . . . . .   | 55   | 49            | 89.6                            |
| Peas . . . . .  | 101  | 86            | 85.0                            |
| Chickpeas . . . . .   | 7  | 4             | 50.0                            |
| <b>TUBER AND ROOT CROPS FOR FOOD:</b>                         |  |               |                                 |
| Potatoes . . . . .  | 2,294                                      | 1,694         | 73.8                            |
| Sweet potatoes . . . . .                                      | 735  | 67            | 9.1                             |
| Dry manioc . . . . .  | 4,465                                      | 302           | 6.8                             |
| Manioc flour . . . . .  | 85   | 75            | 88.3                            |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                         |  |               |                                 |
| Cane sugar . . . . .  | 105,862                                    | 88,990        | 84.1                            |
| Molasses (4) . . . . .  | 35,207                                     | 26,792        | 75.4                            |
| Cotton . . . . .  | 2,956                                      | 1,476         | 50.0                            |
| Groundnuts, shelled . . . . .                                 | 2,886                                      | 1,191         | 41.3                            |
| Castor-oil plant . . . . .                                    | 116  | 103           | 89.1                            |
| Sesame . . . . .  | 870  | 830           | 95.5                            |
| Sunflowers . . . . .  | 773  | 333           | 43.1                            |
| Soy . . . . .   | 2  | 0             | 0.0                             |
| Tobacco . . . . .   | 606  | 147           | 24.2                            |
| <b>VEGETABLES:</b>  |  |               |                                 |
| Onions . . . . .  | 165  | 73            | 43.9                            |
| Garlic . . . . .  | 17   | 14            | 86.2                            |
| Tomatoes . . . . .  | 874  | 800           | 91.4                            |
| Greens . . . . .  | 8,522                                      | 107           | 1.3                             |
| Vegetables (5) . . . . .                                      | 350  | 522           | 95.0                            |
| Other horticultural crops (6) . . . . .                       | 4,919                                      | 3,671         | 74.6                            |
| <b>FRUITLANDS AND SPIES:</b>                                  |  |               |                                 |
| Paprika . . . . .   | 85   | 68            | 83.3                            |
| Pistons . . . . .   | 13   | 10            | 76.3                            |

(1) Excluding the Niassa district, the cultivated area of which represents only 0.01 % of the cultivated area of the whole Colony. — (2) Pigeon peas, cowpeas, velvet beans, lablab, earth peas and other native beans not specified. — (3) White, crimson and yellow beans and others not specified. — (4) Data refer only to the Quilimane region. — (5) Broad beans, kidney beans and peas. — (6) Including certain products of crops previously mentioned.

## 21. — SUGAR-CANE DERIVATIVES AND THEIR DESTINATION.

| CLASSIFICATION     | TOTAL FOR WHOLE COLONY |                           |               |                                       |                           |
|--------------------|------------------------|---------------------------|---------------|---------------------------------------|---------------------------|
|                    | Production             | Stocks on 1 November 1929 | Quantity sold | Quantity used or consumed on holdings | Stocks on 31 October 1930 |
|                    | 1,000 lb.              | 1,000 lb.                 | 1,000 lb.     | 1,000 lb.                             | 1,000 lb.                 |
| SUGAR-CANE:        |                        |                           |               |                                       |                           |
| White sugar        | 63,110                 | —                         | —             | —                                     | —                         |
| Raw sugar          | 112,367                | —                         | —             | —                                     | —                         |
| Total              | 175,477                | 31,054                    | 165,632       | 505                                   | 40,794                    |
| MOLASSES           | 48,727                 | 0                         | 32,013 (1)    | 5,115                                 | 13,599                    |
| INDUSTRIAL ALCOHOL | 3,990                  | 0                         | 0             | 3,990                                 | 0                         |

(1) For manufacture of industrial alcohol.

## 22. — PERMANENT CROPS: AREA AND PRODUCTION.

| CROPS                          | TOTAL FOR WHOLE COLONY                      |               |                             |                |              |
|--------------------------------|---|---------------|-----------------------------|----------------|--------------|
|                                | Holdings on which crops indicated are grown | Area          |                             | Production     |              |
|                                |   | Absolute data | Percentage of general total | Absolute data  | Yield        |
|                                | number                                      | acres         | %                           | 1,000 lb.      | lb. per acre |
| FRUIT CROPS                    | 686   | 10,779        | 3.7                         | —              | —            |
| CROPS FOR INDUSTRIAL PURPOSES: |   |               |                             |                |              |
| Cashew                         | 50  | 2,306         | 0.8                         | (1) 235        | 102          |
| Coconut palm                   | 691   | 165,931       | 56.4                        | (2) 32,742 (3) | 197          |
| Oil palm                       | 11  | 67            | 0.02                        | —              | —            |
| Kapok                          | 56  | 3,907         | 1.3                         | 19             | 3            |
| Sisal                          | 43  | 98,642        | 33.8                        | 23,445         | 235          |
| Roka tree                      | 30  | 5,385         | 1.8                         | 1,052          | 195          |
| Total                          | —   | 277,238       | 94.7                        | —              | —            |
| STIMULANTS AND SPICES:         |   |               |                             |                |              |
| Coffee                         | 215   | 5,676         | 1.9                         | 79             | 14           |
| Tea                            | 4   | 751           | 0.3                         | 195            | 290          |
| Malaguetta pepper              | 3   | 25            | 0.01                        | 14             | 560          |
| Pepper                         | 1   | 7             | 0.003                       | 1              | 143          |
| Total                          | —   | 6,459         | 2.2                         | —              | —            |
| General total                  | —   | 294,476       | 100.0                       | —              | —            |

(1) Cashew nuts. — (2) Number of coconuts. — (3) Cops.

## 23. — PERMANENT CROPS: AREA UNDER SINGLE AND INTERCALARY CROPS AND AREA NOT HARVESTED.

| CROPS                          | TERRITORIES ADMINISTERED BY GOVERNMENT |                         |         |                              |
|--------------------------------|--|-------------------------|---------|------------------------------|
|                                | Area                                   |                         |         | Including area not harvested |
|                                | under single crops                     | under intercalary crops | Total   |                              |
|                                | acres                                  | acres                   | acres   | acres                        |
| CROPS FOR INDUSTRIAL PURPOSES: |  |                         |         |                              |
| Cashew                         | 2,115                                  | 190                     | 2,305   | 0                            |
| Coconut palm                   | 134,291                                | 28,704                  | 162,995 | 1,935                        |
| Kapok                          | 1,984                                  | 1,923                   | 3,907   | 2,824                        |
| Sisal (1)                      | 84,378                                 | 10,356                  | 94,734  | 64,041                       |
| Roka tree                      | 4,001                                  | 1,376                   | 5,377   | 608                          |
| Total                          | 226,769                                | 42,549                  | 269,318 | 69,408                       |
| STIMULANTS AND SPICES:         |  |                         |         |                              |
| Coffee                         | 2,454                                  | 3,100                   | 5,554   | 1,507                        |
| Tea                            | 751                                    | 0                       | 751     | 158                          |
| Total                          | 3,205                                  | 3,100                   | 6,305   | 1,665                        |
| General total                  | 229,974                                | 45,649                  | 275,623 | 71,073                       |

(1) Data incomplete: area of nurseries not known.

## 24. — PRINCIPAL PERMANENT CROPS: DISTRIBUTION OF AREA WITH INTERCALARY CROPS.

| CROPS WITH WHICH COCONUT PALM, SISAL OR COFFEE ARE INTERCALATED | TERRITORIES ADMINISTERED BY GOVERNMENT (1) |                     |               |                     |               |                     |
|---|--|---------------------|---------------|---------------------|---------------|---------------------|
|   | Coconut palm                               |                     | Sisal         |                     | Coffee        |                     |
|   | Absolute data                              | Percentage of total | Absolute data | Percentage of total | Absolute data | Percentage of total |
|   | acres                                      | %                   | acres         | %                   | acres         | %                   |
| Maize   | 4,806                                      | 16.7                | 4,537         | 43.8                | 40            | 1.3                 |
| Chinese cow peas ( <i>Vigna stans</i> , Endlicher)              | 8,908                                      | 31.0                | 2,076         | 20.1                | 1,989         | 64.0                |
| Moringa   | 1,742                                      | 6.1                 | 12            | 0.1                 | 62            | 2.0                 |
| Cotton  | 215  | 0.7                 | 1,139         | 11.0                | 0             | 0.0                 |
| Groundnuts  | 1,658                                      | 5.8                 | 222           | 2.1                 | 309           | 9.9                 |
| Seaweed   | 5  | 0.02                | 30            | 0.3                 | 0             | 0.0                 |
| Cassava palm  | —  | —                   | 128           | 1.2                 | 205           | 6.6                 |
| Sisal   | 128  | 0.4                 | —             | —                   | 0             | 0.0                 |
| Coffee  | 205  | 0.7                 | 0             | 0.0                 | —             | —                   |
| Various beans (other than <i>Vigna stans</i> )                  | 7,995                                      | 27.7                | 91            | 0.9                 | 0             | 0.0                 |
| Various beans and other crops                                   | 2,165                                      | 7.6                 | 1,426         | 13.8                | 153           | 4.9                 |
| Other crops   | 937  | 3.3                 | 695           | 6.7                 | 351           | 11.3                |
| Total   | 28,704                                     | 100.0               | 10,356        | 100.0               | 3,100         | 100.0               |

(1) Excluding the Tete and Niassa districts.

## 25. — FRUIT CROPS: AREA, NUMBER OF TREES AND OTHER PLANTS, AND PRODUCTION.

| CLASSIFICATION        | TOTAL FOR WHOLE COLONY |  |                                       |                 |                |
|-----------------------|------------------------|--|---------------------------------------|-----------------|----------------|
|                       | Area                   |  | Number of trees, etc., or plantations |                 | Production (1) |
|                       | Total                  | Including: not bearing, planted in 1929-30 | Total                                 | Of which picked |                |
| acres                 | acres                  | number                                     | number                                | 1,000 lb.       |                |
| Citrus fruits:        |                        |  |                                       |                 |                |
| Lemons                | 312                    | 12   | 22,999                                | 13,867          | 89             |
| Oranges               | 1,685                  | 138  | 97,868                                | 73,283          | 9,065          |
| Tangerines            | 442                    | 64   | 31,961                                | 19,305          | 490            |
| Grapefruit            | 591                    | 104  | 34,298                                | 17,529          | 1,414          |
| Various citrus fruits | 200                    | 8  | 15,627                                | 8,285           | 554            |
| Castard apples        | 64                     | 0  | 7,153                                 | 5,383           | 24             |
| Avocados              | 20                     | 2  | 2,048                                 | 1,548           | 32             |
| Bananas               | 6,029                  | 245  | 1,846,409                             | 1,717,706       | 48,352         |
| Figs                  | 5                      | 2  | 431                                   | 254             | 3              |
| Pomegranates          | 2                      | 0  | 1,204                                 | 202             | 3              |
| Guavas                | 49                     | 5  | 5,751                                 | 4,420           | 30             |
| Mangos                | 692                    | 12   | 34,396                                | 29,689          | 1,477          |
| Papaws                | 151                    | 5  | 24,526                                | 21,206          | 1,073          |
| Peaches               | 64                     | 2  | 5,285                                 | 4,584           | 79             |
| Pears                 | 2                      | 2  | 551                                   | 93              | 1              |
| Apples                | 37                     | 2  | 2,149                                 | 1,866           | 5              |
| Grapes                | 15                     | 5  | 4,924                                 | 1,710           | 0              |
| Various fruits        | 405                    | 44   | (2) 627,325                           | 483,150         | (3) 281        |
| <b>Total</b>          | <b>10,777</b>          | <b>652</b>                                 |                                       |                 |                |

(1) The data on production are incomplete. — (2) Including 605,598 pineapple plants. — (3) Including 705,000 lb. of pineapples.

## 26. — FRUIT CROPS: DISTRIBUTION ACCORDING TO CONDITION.

| CLASSIFICATION        | TOTAL FOR WHOLE COLONY |              |                            |              |                            |                                      |             |              |
|-----------------------|------------------------|--------------|----------------------------|--------------|----------------------------|--------------------------------------|-------------|--------------|
|                       | On plantations         |              |                            |              |                            |                                      | Total       | In nurseries |
|                       | In bearing             |              |                            |              | Not in bearing             |                                      |             |              |
|                       | In full bearing        |              | At commencement of bearing |              | Planted in preceding years | Planted in agricultural year 1929-30 |             |              |
|                       | Gathered               | Not gathered | Gathered                   | Not gathered |                            |                                      |             |              |
| number                | number                 | number       | number                     | number       | number                     | number                               | number      |              |
| Citrus fruits:        |                        |              |                            |              |                            |                                      |             |              |
| Lemons                | 12,628                 | 0            | 1,299                      | 52           | 5,554                      | 3,526                                | 22,999      | 12,893       |
| Oranges               | 62,813                 | 424          | 10,470                     | 1,748        | 12,271                     | 10,142                               | 97,868      | 21,985       |
| Tangerines            | 16,738                 | 183          | 2,767                      | 1,494        | 5,269                      | 5,510                                | 31,961      | 8,481        |
| Grapefruit            | 10,134                 | 0            | 7,395                      | 0            | 10,061                     | 6,708                                | 34,298      | 11,061       |
| Various citrus fruits | 7,516                  | 0            | 769                        | 0            | 3,556                      | 3,788                                | 15,627      | 5,612        |
| Castard apples        | 4,751                  | 253          | 632                        | 162          | 1,252                      | 103                                  | 7,153       | 543          |
| Avocados              | 1,292                  | 0            | 256                        | 0            | 145                        | 355                                  | 2,048       | 326          |
| Bananas               | 1,685,076              | 13,343       | 34,630                     | 4,820        | 58,781                     | 51,799                               | 1,846,409   | 0            |
| Figs                  | 121                    | 0            | 133                        | 0            | 36                         | 141                                  | 431         | 15           |
| Pomegranates          | 160                    | 0            | 42                         | 0            | 1,102                      | 0                                    | 1,204       | 0            |
| Guavas                | 4,104                  | 0            | 316                        | 0            | 331                        | 1,600                                | 5,751       | 340          |
| Mangos                | 27,489                 | 655          | 2,200                      | 328          | 2,841                      | 883                                  | 34,396      | 198          |
| Papaws                | 19,792                 | 350          | 1,414                      | 0            | 1,670                      | 1,400                                | 24,526      | 15,200       |
| Peaches               | 4,916                  | 27           | 568                        | 30           | 274                        | 370                                  | 5,285       | 294          |
| Pears                 | 82                     | 0            | 11                         | 0            | 5                          | 233                                  | 331         | 0            |
| Apples                | 1,632                  | 0            | 234                        | 0            | 47                         | 236                                  | 2,149       | 0            |
| Grapes                | 1,576                  | 0            | 134                        | 58           | 655                        | 2,509                                | 4,924       | 1,400        |
| Various fruits        | 445,614                | 335          | 37,536                     | 179          | 43,104                     | 100,557                              | (1) 627,325 | 2,573        |

(1) Including 605,598 pineapple plants.

## 27. — FRUIT CROPS: DESTINATION OF PRODUCTION.

| CLASSIFICATION        | TOTAL FOR WHOLE COLONY |                           |                      |           |                           |
|-----------------------|------------------------|---------------------------|----------------------|-----------|---------------------------|
|                       | Production             | Destination of production |                      |           |                           |
|                       |                        | Sales                     | Consumed on holdings | Rotted    | Stocks on 31 October 1930 |
| 1,000 lb.             | 1,000 lb.              | 1,000 lb.                 | 1,000 lb.            | 1,000 lb. |                           |
| Citrus fruits:        |                        |                           |                      |           |                           |
| Lemons                | 89                     | 54                        | 36                   | 6         | 2                         |
| Oranges               | 9,065                  | 8,438                     | 552                  | 72        | 3                         |
| Tangerines            | 490                    | 328                       | 142                  | 22        | 0                         |
| Grapefruit            | 1,414                  | 1,395                     | 15                   | 3         | 0                         |
| Various citrus fruits | 554                    | 554                       | 15                   | 4         | 0                         |
| Castard apples        | 24                     | 9                         | 15                   | 1         | 0                         |
| Avocados              | 32                     | 6                         | 26                   | 0         | 0                         |
| Bananas               | 48,352                 | 36,661                    | (1) 11,483           | 209       | 0                         |
| Figs                  | 3                      | 0                         | 3                    | 0         | 0                         |
| Pomegranates          | 3                      | 2                         | 0                    | 0         | 0                         |
| Guavas                | 30                     | 6                         | 34                   | 0         | 0                         |
| Mangos                | 1,477                  | 698                       | 753                  | 16        | 0                         |
| Papaws                | 1,073                  | 603                       | 464                  | 5         | 0                         |
| Peaches               | 79                     | 38                        | 41                   | 1         | 0                         |
| Pears                 | 1                      | 0                         | 0                    | 0         | 0                         |
| Apples                | 5                      | 2                         | 3                    | 0         | 0                         |
| Grapes                | 0                      | 0                         | 0                    | 0         | 0                         |
| Pineapples            | 205                    | 153                       | 47                   | 5         | 0                         |
| Various fruits        | 26                     | 5                         | 70                   | 0         | 0                         |

(1) Including 28,000 lb. for manufacturers of dried bananas.

## 28. — FRUIT CROPS: AREA UNDER SINGLE AND INTERCALARY CROPS.

| CLASSIFICATION        | TERRITORIES ADMINISTERED BY GOVERNMENT (1) |                  |              |
|-----------------------|--|------------------|--------------|
|                       | Single area                                | Intercalary area | Total        |
|                       | acres                                      | acres            | acres        |
| Citrus fruits:        |  |                  |              |
| Lemons                | 124  | 10               | 134          |
| Oranges               | 813  | 126              | 939          |
| Tangerines            | 245  | 62               | 307          |
| Grapefruit            | 255  | 44               | 299          |
| Various citrus fruits | 114  | 35               | 149          |
| Castard apples        | 54   | 10               | 64           |
| Avocados              | 10   | 2                | 12           |
| Bananas               | 4,207                                      | 1,569            | 5,866        |
| Guavas                | 32   | 5                | 37           |
| Mangos                | 314  | 170              | 482          |
| Papaws                | 54   | 62               | 116          |
| Peaches               | 25   | 12               | 37           |
| Pears                 | 37   | 0                | 37           |
| Grapes                | 7  | 2                | 9            |
| Various fruits        | 124  | 22               | 146          |
| <b>Total</b>          | <b>6,505</b>                               | <b>2,139</b>     | <b>8,644</b> |

(1) Excluding the Tete district, with 67 acres of fruit crops.

## 29. — BANANAS: DISTRIBUTION OF AREA ACCORDING TO STATUS OF GROWERS.

| CLASSIFICATION                      | DISTRICT OF LORENÇO MARQUES (1) |                     |                    |                     |
|-------------------------------------|---------------------------------|---------------------|--------------------|---------------------|
|                                     | Number of growers               |                     | Area under bananas |                     |
|                                     | Absolute data                   | Percentage of total | Absolute data      | Percentage of total |
|                                     | number                          | %                   | acres              | %                   |
| Europeans . . . . .                 | 94                              | 64.3                | 2,968              | 55.5                |
| Status equal to Europeans . . . . . | 37                              | 25.5                | 1,940              | 36.0                |
| Assimilated to Europeans . . . . .  | 14                              | 9.7                 | 457                | 8.5                 |
| <b>Total . . . . .</b>              | <b>145</b>                      | <b>100.0</b>        | <b>5,365</b>       | <b>100.0</b>        |

(1) The district of Lourenço Marques contains 89.3 % of the area under bananas in the whole Colony.

## 30. — TEA: AREA, NUMBER OF BUSHES AND PRODUCTION.

| CLASSIFICATION  | TOTAL FOR WHOLE COLONY |                     |                  |                              |
|---|------------------------|---------------------|------------------|------------------------------|
|   | Area                   |                     | Number of plants | Production (in dried leaves) |
|   | Absolute data          | Percentage of total |                  |                              |
|   | acres                  | %                   | number           | 1,000 lb.                    |
| In bearing, picked . . . . .                              | 593                    | 78.9                | 770,400          | 195                          |
| Not in bearing, plantations of 2 to 3 years (1) . . . . . | 99                     | 13.2                | 140,800          | —                            |
| Not in bearing, new plantings . . . . .                   | 20                     | 2.6                 | 50,000           | —                            |
| Plants in nurseries . . . . .                             | 40                     | 5.3                 | 3,540,000        | —                            |
| <b>Total . . . . .</b>                                    | <b>752</b>             | <b>100.0</b>        | <b>4,501,200</b> | <b>195</b>                   |

(1) According to the statistics, there are no bushes in bearing but not picked or not in bearing at ages other than those indicated.

## 31. — TEA: DESTINATION OF PRODUCTION.

| CLASSIFICATION                                | TOTAL FOR WHOLE COUNTRY |              |
|---|-------------------------|--------------|
|   | Quantity available      | Distribution |
|   | 1,000 lb.               | 1,000 lb.    |
| Stocks on 1 November 1929 . . . . .           | 10                      | —            |
| Production during agricultural year . . . . . | 195                     | —            |
| Quality or type: B. O. P. . . . .             | (53)                    | —            |
| "  "  B. P. . . . .                           | (60)                    | —            |
| "  "  O. P. . . . .                           | (17)                    | —            |
| "  "  P. . . . .                              | (8)                     | —            |
| "  "  B. P. S. . . . .                        | (9)                     | —            |
| "  "  S. . . . .                              | (2)                     | —            |
| "  "  F. . . . .                              | (24)                    | —            |
| "  "  D. . . . .                              | (21)                    | —            |
| Sales . . . . .                               | —                       | 167          |
| Consumed on holdings . . . . .                | —                       | 0            |
| Stocks on 30 October 1930 . . . . .           | —                       | 38           |
| <b>Total . . . . .</b>                        | <b>205</b>              | <b>205</b>   |

## 32. — COCONUT PALMS: AREA, NUMBER OF TREES AND PRODUCTION.

| CLASSIFICATION   | TOTAL FOR WHOLE COLONY |                  |                     |                   |
|--|------------------------|------------------|---------------------|-------------------|
|  | Area                   | Number of trees  |                     | Production        |
|  |                        | Absolute data    | Percentage of total |                   |
|  | acres                  | number           | %                   | number            |
| Coconut palms, planted during agricultural year on new plantations . . . . .                       | —                      | 234,230          | 3.4                 | —                 |
| Coconut palms, planted during agricultural year for replacement on old plantations . . . . .       | —                      | 104,621          | 1.5                 | —                 |
| Coconut palms, planted one or two years before current agricultural year . . . . .                 | —                      | 1,247,255        | 17.9                | —                 |
| Coconut palms, planted several years before current agricultural year but not in bearing . . . . . | —                      | 2,516,053        | 35.1                | —                 |
| Coconut palms, in bearing, gathered . . . . .  | —                      | 2,791,571        | 40.0                | 94,956,565        |
| Coconut palms, in bearing, not gathered . . . . .  | —                      | 28,365           | 1.1                 | —                 |
| <b>Total . . . . .</b>   | <b>165,939</b>         | <b>6,922,295</b> | <b>100.0</b>        | <b>94,956,565</b> |

## 33. — COCONUT PALMS: DESTINATION OF PRODUCTION.

| SPECIFICATION   | TOTAL FOR WHOLE COLONY |                   |                    |               |
|---|------------------------|-------------------|--------------------|---------------|
|   | Coconuts               |                   | Copra              |               |
|   | Quantity available     | Distribution      | Quantity available | Distribution  |
|   | number                 | number            | 1,000 lb.          | 1,000 lb.     |
| Stocks on 1 November 1929 . . . . .                       | 325,373                | —                 | 168                | —             |
| Production during agricultural year . . . . .             | 94,956,565             | —                 | —                  | —             |
| Transformed into copra during agricultural year . . . . . | —                      | 90,403,010        | 32,743             | —             |
| Sales during agricultural year . . . . .                  | —                      | 2,038,154         | —                  | 32,078        |
| Consumed or utilized on holdings . . . . .                | —                      | 980,182           | —                  | 46            |
| Including: used for seed . . . . .                        | —                      | (351,817)         | —                  | —             |
| Not utilized . . . . .                                    | —                      | 1,032,418         | —                  | —             |
| Stocks on 31 October 1930 . . . . .                       | —                      | 877,974           | —                  | 757           |
| <b>Total . . . . .</b>                                    | <b>95,281,938</b>      | <b>95,281,938</b> | <b>32,911</b>      | <b>32,911</b> |

## 34. — COCONUT PALMS: DISTRIBUTION OF HOLDINGS ACCORDING TO PRODUCTION PER TREE.

| NUMBER OF NUTS GATHERED PER TREE                                | TERRESTRIAL ADMINISTRATIONS BY GOVERNMENT (1) |
|---|---|
|   |   |
| Not over 10 nuts . . . . .                                      | 119   |
| Over 10 nuts and up to 20 nuts inclusive . . . . .              | 127   |
| "  20 " " " 30 " " " . . . . .                                  | 103   |
| "  30 " " " 40 " " " . . . . .                                  | 95  |
| "  40 " " " 50 " " " . . . . .                                  | 54  |
| "  50 " " " 60 " " " . . . . .                                  | 16  |
| "  60 " " " 70 " " " . . . . .                                  | 19  |
| "  70 " " " 80 " " " . . . . .                                  | 2   |
| "  80 " " " 90 " " " . . . . .                                  | 1   |
| <b>Average number of nuts per tree (all holdings) . . . . .</b> | <b>27.53</b>                                  |

(1) Excluding district of Lourenço Marques (production 31,520 nuts). Production in Manica and Sofala amounted to 735,528 nuts.

## 35. — SISAL: AREA, NUMBER OF PLANTS AND PRODUCTION.

| CLASSIFICATION  | TOTAL FOR WHOLE COLONY |                          |                         |                          | Production<br>1,000 lb. |
|---|------------------------|--------------------------|-------------------------|--------------------------|-------------------------|
|   | Area                   |                          | Number of plants        |                          |                         |
|   | Absolute data<br>acres | Percentage of total<br>% | Absolute data<br>number | Percentage of total<br>% |                         |
| Not in bearing, planted during current year . . . . . | 16,714                 | 15.8                     | 22,441,172              | 17.8                     | —                       |
| Not in bearing, 1 to 2 years old . . . . .            | 18,669                 | 17.7                     | 22,945,918              | 18.2                     | —                       |
| Not in bearing, 2 to 3 years old . . . . .            | 13,168                 | 12.5                     | 17,042,837              | 13.5                     | —                       |
| Not in bearing, 3 to 4 years old . . . . .            | 4,759                  | 4.5                      | 8,268,270               | 6.6                      | —                       |
| In bearing, cut . . . . .                             | 55,245                 | 53.3                     | 40,424,845              | 32.1                     | 23,445                  |
| In bearing, not cut . . . . .                         | 10,729                 | 10.1                     | 12,661,801              | 10.1                     | —                       |
| Not specified . . . . .                               | 340                    | 0.3                      | 3,000                   | 0.0                      | —                       |
| <i>Total</i> . . . . .                                | 99,642                 | 94.2                     | 123,790,843             | 92.3                     | 23,445                  |
| Not utilized or not normally utilized . . . . .       | 6,173                  | 5.8                      | (1) 2,190,000           | 1.7                      | —                       |
| <i>General total</i> . . . . .                        | 105,815                | 100.0                    | 125,980,843             | 100.0                    | 23,445                  |
| In nurseries . . . . .                                | —                      | —                        | 25,345,652              | —                        | —                       |

(1) The number of plants of 1,435 acres is not known.

## 36. — SISAL: DESTINATION OF PRODUCTION.

| CLASSIFICATION                                | TOTAL FOR WHOLE COLONY |              |
|---|------------------------|--------------|
|   | Amount available       | Distribution |
|   | 1,000 lb.              | 1,000 lb.    |
| Stocks on 1 November 1929 . . . . .           | 359                    | —            |
| Production during agricultural year . . . . . | 23,445                 | —            |
| Sales during agricultural year . . . . .      | —                      | 21,505       |
| Utilized on holdings . . . . .                | —                      | 96           |
| Stocks on 31 October 1930 . . . . .           | —                      | 1,205        |
| <i>Total</i> . . . . .                        | 23,904                 | 23,804       |

## 37. — PRINCIPAL CROPS; AREA ON INDIVIDUAL HOLDINGS.

| AREA UNDER CROP SPECIFIED                           | TOTAL FOR WHOLE COLONY |                    |                     |
|---|------------------------|--------------------|---------------------|
|   | Sugar-cane             | Sisal              | Coconut palm<br>(2) |
|   | number of holdings     | number of holdings | number of holdings  |
| Not over 5 ha. (12 acres)                           |                        |                    | 244                 |
| Over 5 ha. and up to 10 ha. inclusive (12-25 acres) | 15                     | 1                  | 78                  |
| 10-15 "   |                        |                    | 39                  |
| 15-20 "   |                        |                    | 35                  |
| 20-25 "   |                        | 7                  | 16                  |
| 25-50 "   |                        |                    | 26                  |
| 50-100 "  |                        | 4                  | 52                  |
| 100-250 "   | (1)                    | 5                  | 64                  |
| 250-500 "   | (1)                    | 6                  | 43                  |
| 500-750 "   |                        |                    | 14                  |
| 750-1,000 "   | 2                      | 6                  | 11                  |
| 1,000-1,250 "                                       |                        |                    | 5                   |
| 1,250-1,500 "                                       |                        | 4                  | 1                   |
| 1,500-1,750 "                                       |                        |                    | 1                   |
| 1,750-2,000 "                                       | 0                      | 1                  | 1                   |
| 2,000-2,500 "                                       | 0                      | 6                  | 0                   |
| 2,500-3,000 "                                       | 1                      | 0                  | 0                   |
| 3,000-3,500 "                                       | 1                      | 1                  | 0                   |
| 3,500-4,000 "                                       | 0                      | 1                  | 0                   |
| 4,000-4,500 "                                       | 0                      | 0                  | 0                   |
| 4,500-5,000 "                                       | 1                      | 1                  | 0                   |
| 5,000-7,000 "                                       | 1                      | 0                  | 0                   |
| 7,000-7,500 "                                       | 1                      | 0                  | 0                   |
| 7,500-8,000 "                                       | 1                      | 0                  | 0                   |

(1) Category: 100-200 acres and 200-500 acres. — (2) Data lacking for 7 of the 21 holdings in Manica and Sofala.

## 38. — PRINCIPAL CROPS: QUANTITY SOLD DURING AGRICULTURAL YEAR.

| CROPS                                 | TERRITORIES ADMINISTERED BY GOVERNMENT (1) |                            |                          |
|---------------------------------------|--|----------------------------|--------------------------|
|                                       | Production<br>1,000 lb.                    | Sales                      |                          |
|                                       |  | Absolute data<br>1,000 lb. | Percentage of total<br>% |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b> |  |                            |                          |
| Coffee . . . . .                      | 235  | 227                        | 96.6                     |
| Coconuts (number) . . . . .           | (2) 4,365,075                              | 1,893,054                  | 43.6                     |
| Copra . . . . .                       | 32,502                                     | 31,837                     | 98.0                     |
| Kaapi . . . . .                       | 13   | 10                         | 76.9                     |
| Sisal . . . . .                       | 22,775                                     | 21,833                     | 95.9                     |
| Roka tree . . . . .                   | 1,052                                      | 1,052                      | 100.0                    |
| <b>STIMULANTS AND SPICES:</b>         |  |                            |                          |
| Coffee . . . . .                      | 76   | 52                         | 67.2                     |
| Tea . . . . .                         | 195  | 166                        | 85.5                     |
| Malagueta pepper . . . . .            | 13   | 11                         | 83.6                     |
| Pepper . . . . .                      | 1  | 1                          | 100.0                    |

(1) Excluding the Niassa district, which produced only 531 lb. of Malagueta pepper. — (2) Excluding nuts transformed into copra.

## 39. — DISTRIBUTION OF FOREST TREES ACCORDING TO AGE.

| CLASSIFICATION           | TOTAL FOR WHOLE COLONY (1)     |                    |                                   |                   |                       |                     |
|--------------------------|--------------------------------|--------------------|-----------------------------------|-------------------|-----------------------|---------------------|
|                          | Number of trees on plantations |                    |                                   |                   |                       | Number in nurseries |
|                          | Total                          | Under 10 years old | From 10 to 20 years old inclusive | Over 20 years old | Age not specified (2) |                     |
| number                   | number                         | number             | number                            | number            | number                |                     |
| Callitris . . . . .      | 7,130                          | 4,098              | 0                                 | 0                 | 2,232                 | 18,730              |
| Castia florida . . . . . | 1,412                          | 1,412              | 0                                 | 0                 | 0                     | 0                   |
| Casuarina . . . . .      | 118,380                        | 117,737            | 0                                 | 386               | 257                   | 1,450               |
| Cypress . . . . .        | 13,552                         | 10,684             | 0                                 | 0                 | 2,866                 | 30,796              |
| Eucalyptus . . . . .     | 232,130                        | 166,770            | 42,087                            | 0                 | 23,273                | 363,945             |
| Gravillea . . . . .      | 11,560                         | 7,983              | 600                               | 0                 | 2,977                 | 1,400               |
| Juniper . . . . .        | 21,497                         | 21,010             | 0                                 | 0                 | 487                   | 4,490               |
| Melaleuca . . . . .      | 10,433                         | 7,492              | 0                                 | 0                 | 2,941                 | 0                   |
| Pine . . . . .           | 14,099                         | 11,674             | 0                                 | 0                 | 2,425                 | 20,150              |
| Poncianum . . . . .      | 965                            | 965                | 0                                 | 0                 | 0                     | 0                   |
| Various . . . . .        | 15,670                         | 6,037              | 0                                 | 0                 | 9,633                 | 20,925              |
| <b>Total . . . . .</b>   | <b>446,828</b>                 | <b>356,664</b>     | <b>42,687</b>                     | <b>386</b>        | <b>47,091</b>         | <b>464,876</b>      |

(1) Data incomplete; for Manica and Sofala, data for one district only (Chimoio) are given. — (2) The majority of trees in this category are probably between 10 and 20 years old.

## 40. — FOREST PRODUCTS GATHERED UNDER LICENCE ON CONCESSIONS DURING AGRICULTURAL YEAR (1).

| PRODUCTS                                | TOTAL FOR WHOLE COLONY |
|---|------------------------|
|   | cubic feet             |
| Wood for building and joinery . . . . . | 119,930                |
| Firewood . . . . .                      | 1,576,108              |
| Poles . . . . .                         | 14,232                 |
| Railway sleepers . . . . .              | 520,190                |
| Pit props, etc. . . . .                 | (2) 7,063              |
| Mangrove stakes . . . . .               | 66,922                 |
| Resin wood (gum) . . . . .              | 247,276                |
| <b>Total . . . . .</b>                  | <b>(2) 2,551,721</b>   |

(1) Including products of agricultural holdings in the Cabo Delgado district. — (2) Data incomplete.

## 41. — CONSUMPTION OF TROPICAL PRODUCTS DURING AGRICULTURAL YEAR (1) AND STOCKS ON 31 OCTOBER 1930.

| PRODUCTS   | TOTAL FOR WHOLE COLONY  |  |
|--|---|--|
|  | Quantity consumed or otherwise utilized during agricultural year ending 31 October 1930 | Stocks at latest harvest, on holdings on 31 October 1930 |
|  | 1,000 lb.   | 1,000 lb.  |
| <b>CEREALS CUT FOR GRAIN:</b>                                    |   |  |
| Wheat . . . . .  | 1   | 6  |
| Maize . . . . .  | 42,542  | 10,912   |
| Spiked millet . . . . .  | 28  | 20   |
| Rice . . . . .   | 629   | 443  |
| Sorghum . . . . .  | 5,710   | 1,109  |
| Elaeagnis millet . . . . .                                       | 8   | 1  |
| <b>LEGUMINOUS CROPS FOR GRAIN:</b>                               |   |  |
| Chinese rose peas ( <i>Pisum sinense</i> , Endlicher) . . . . .  | 6,795   | 1,475  |
| Velvet beans ( <i>Mucuna atilis</i> , Vahl) . . . . .            | 34  | 179  |
| Labbab ( <i>Dolichos lablab</i> , L.) . . . . .                  | 244   | 59   |
| Earth peas ( <i>Vandeleia subterranis</i> , Tisserand) . . . . . | 47  | 2  |
| Beans not specified . . . . .                                    | 134   | 75   |
| Kidney beans . . . . .   | 1,155   | 403  |
| Mung ( <i>Pisum sativum</i> , L.) . . . . .                      | 44  | 19   |
| Dolichos ( <i>D. unguiculatus</i> , Desf.) . . . . .             | 6   | 4  |
| Broad beans . . . . .  | 6   | 1  |
| Peanut . . . . .   | 15  | 6  |
| Chickpeas . . . . .  | 2   | 2  |
| Pigeon peas ( <i>Cajanus cajan</i> , Sprengel) . . . . .         | 97  | 6  |
| Crotalaria . . . . .   | 6   | 1  |
| <b>TUBER AND ROOT CROPS FOR FOOD:</b>                            |   |  |
| Potatoes . . . . .   | 638   | 112  |
| Sweet potatoes . . . . .   | 785   | 115  |
| Dried manioc . . . . .   | 19,888  | 1,109  |
| Manioc flour . . . . .   | 521   | 0  |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                            |   |  |
| Cane-sugar . . . . .   | 505   | 40,794   |
| Melons . . . . .   | 5,115   | 11,599   |
| Tobacco . . . . .  | 45  | 452  |
| <i>For production of fibre:</i>                                  |   |  |
| Cotton . . . . .   | 0   | 1,534  |
| Kesok . . . . .  | 1   | 2  |
| Sisal . . . . .  | 96  | 1,205  |

41. — CONSUMPTION OF TROPICAL PRODUCTS DURING AGRICULTURAL YEAR <sup>(1)</sup>  
AND STOCKS ON 31 OCTOBER 1930 (concluded).

| PRODUCTS   | TOTAL FOR WHOLE COLONY  |   |
|--|---|---|
|  | Quantity consumed or otherwise utilized during agricultural year ending 31 October 1930 | Stocks of latest harvest on holdings on 31 October 1930 |
|  | 1,000 lb.   | 1,000 lb.   |
| <i>For production of oils (2):</i>                   |   |   |
| Shelled groundnuts . . . . .                         | 2,399   | 1,207   |
| Groundnut by-products . . . . .                      | 53  | 0   |
| Cashew nuts . . . . .                                | 8   | 2   |
| Coco-nuts (kandedi) . . . . .                        | 9,802   | 8,780   |
| Copra . . . . .                                      | 46  | 787   |
| Water melons (seeds) . . . . .                       | 3   | 0   |
| Castor-oil . . . . .                                 | 0   | 13  |
| Sesame . . . . .                                     | 4   | 39  |
| Sunflowers . . . . .                                 | 95  | 429   |
| Soya . . . . .                                       | 0   | 2   |
| <b>VEGETABLES:</b>                                   |   |   |
| Onions . . . . .                                     | 24  | 60  |
| Garlic . . . . .                                     | 0   | 2   |
| Tomatoes . . . . .                                   | 74  | 0   |
| Cucumbers . . . . .                                  | 9,177   | 432   |
| Vegetables (3) . . . . .                             | 27  | 0   |
| Various or unspecified horticultural crops . . . . . | 1,398   | 3   |
| <b>STIMULANTS AND SPECIALS:</b>                      |   |   |
| Paprika . . . . .                                    | 0   | 17  |
| Pimento . . . . .                                    | 3   | 0   |
| Malaguetta pepper . . . . .                          | 0   | 2   |
| Coffee . . . . .                                     | 14  | 10  |
| Tea . . . . .  | 0   | 38  |
| <b>FRUIT CROPS:</b>                                  |   |   |
| Bananas (4) . . . . .                                | 11,467  | 0   |
| Citrus (4) . . . . .                                 | 751   | 5   |
| Various fruits (4) . . . . .                         | 1,455   | 0   |
| <b>OTHER CROPS AND WILD PLANTS:</b>                  |   |   |
| Various fodder crops . . . . .                       | 1,348   | 66  |
| Various products . . . . .                           | 33  | 4   |
| Acacia bark . . . . .                                | 0   | 18  |
| Gum arabic . . . . .                                 | 0   | 1   |
| Mangrove bark . . . . .                              | 0   | 4,253   |
| Tannin pulp . . . . .                                | 0   | 4   |

(1) Including quantities purchased by other European and native holdings. — (2) These products also serve partly for food. — (3) Broad beans, beans, peas, etc., cut green. — (4) Data very incomplete.

42. — AGRICULTURAL MACHINERY AND IMPLEMENTS ON AGRICULTURAL AND FOREST HOLDINGS AND ON FOREST AND MANGROVE CONCESSIONS ACTUALLY WORKED, ON 31 OCTOBER 1930.

| CLASSIFICATION  | TOTAL FOR WHOLE COLONY |
|---|------------------------|
|   | number                 |
| <b>MACHINERY AND IMPLEMENTS FOR WORKING THE SOIL:</b>               |                        |
| Fluro-saws . . . . .  | 26                     |
| Ploughs . . . . .   | 3,453                  |
| Harrow . . . . .  | 1,120                  |
| Pulverisers . . . . .   | 3                      |
| Cultivators . . . . .   | 1,412                  |
| Wood grubbers . . . . .   | 2                      |
| Rollers . . . . .   | 5                      |
| Levelers . . . . .  | 19                     |
| "Martin" trench-ploughs . . . . .                                   | 1                      |
| <b>MANURE DISTRIBUTORS . . . . .</b>                                |                        |
|   | 2                      |
| <b>SONES . . . . .</b>  |                        |
|   | 844                    |
| <b>MACHINERY AND IMPLEMENTS FOR HARVESTING:</b>                     |                        |
| Mowers . . . . .  | 67                     |
| Toppers . . . . .   | 24                     |
| Reapers . . . . .   | 27                     |
| Ground pickers . . . . .  | 1                      |
| <b>MACHINERY AND IMPLEMENTS FOR TREATMENT OF HARVESTED CROPS:</b>   |                        |
| Groundnut hollers . . . . .   | 18                     |
| Groundnut sorters . . . . .   | 1                      |
| Sorghum threshers . . . . .   | 1                      |
| Rice hullers . . . . .  | 2                      |
| Thrashers, various . . . . .  | 5                      |
| Shellers . . . . .  | 379                    |
| Winnowers . . . . .   | 202                    |
| Mills for cereals . . . . .   | 402                    |
| Saw-gins for cotton . . . . .                                       | 54                     |
| Roller-gins for cotton . . . . .                                    | 11                     |
| Machines for collecting linters . . . . .                           | 2                      |
| Cotton stretchers . . . . .   | 1                      |
| Stalk scrapers . . . . .  | 34                     |
| Stalk fibre extractors . . . . .                                    | 37                     |
| Stalk breakers . . . . .  | 84                     |
| Stalk residue cleaners . . . . .                                    | 1                      |
| Mechanical stalk driers . . . . .                                   | 1                      |
| Coffee pulpers . . . . .  | 1                      |
| Tea sifters . . . . .   | 1                      |
| Tea callers . . . . .   | 3                      |
| Tea graders . . . . .   | 1                      |
| Tea crushers . . . . .  | 1                      |
| Tea packers . . . . .   | 1                      |
| Mechanical tea driers . . . . .                                     | 2                      |
| <b>MACHINERY AND IMPLEMENTS FOR PREPARATION OF LIVESTOCK FEEDS:</b> |                        |
| Chaff cutters . . . . .   | 11                     |
| Manioc root cutters . . . . .                                       | 4                      |
| <b>MACHINERY AND IMPLEMENTS FOR MANUFACTURE OF BUTTER:</b>          |                        |
| Cream separators . . . . .  | 6                      |
| Churns . . . . .  | 4                      |
| Mixers . . . . .  | 1                      |
| Wrapping machines . . . . .   | 2                      |
| <b>MEANS OF TRANSPORT:</b>  |                        |
| Farm carts for transporting produce . . . . .                       | 4,915                  |
| Carts and other carriages for human transport . . . . .             | 1,267                  |
| Oxen . . . . .  | 5                      |
| <b>OTHER MACHINERY AND IMPLEMENTS:</b>                              |                        |
| Insect sprayers . . . . .   | 11                     |
| Cotton grain distributors . . . . .                                 | 1                      |
| Presses . . . . .   | 41                     |
| Folder compressors . . . . .  | 9                      |
| Various . . . . .   | 19                     |



## 43. — POWER MACHINERY AND HORSE-POWER ON AGRICULTURAL AND FOREST HOLDINGS AND ON FOREST AND MANGROVE CONCESSIONS ACTUALLY WORKED, ON 31 OCTOBER 1930.

| CLASSIFICATION  | TOTAL FOR WHOLE COLONY |               |
|---|------------------------|---------------|
|   | Number                 | Horse power   |
| Steam engines . . . . .   | 210                    | 10,590        |
| Motors . . . . .  | 147                    | 3,480         |
| Tractors and power-driven cultivators . . . . .                 | 215                    | 4,550         |
| Lories, delivery vans, etc., for transporting produce . . . . . | 371                    | 3,550         |
| Locomotives . . . . .   | 71                     | 3,062         |
| Various . . . . .   | 9                      | 593           |
| <b>Total . . . . .</b>  | <b>—</b>               | <b>25,833</b> |
| Power used . . . . .  | —                      | 18,589        |

## 44. — FERTILIZERS: QUANTITY USED AND DESTINATION.

| CLASSIFICATION   | TOTAL FOR WHOLE COLONY |               |
|--|------------------------|---------------|
|  | Area fertilized        | Quantity used |
|  | acres                  | 1,000 lb.     |
| COW-SHED AND STABLE DUNG, USED FOR:                                |                        |               |
| Annual crops . . . . .   | 3,625                  | —             |
| Sugar-cane . . . . .   | 32                     | —             |
| Coconut palms . . . . .  | 393                    | —             |
| Bananas . . . . .  | 99                     | —             |
| Citrus fruits . . . . .  | 111                    | —             |
| Other trees and fruit plants . . . . .                             | 128                    | —             |
| <b>Total . . . . .</b>   | <b>4,388</b>           | <b>10,564</b> |
| CHEMICAL FERTILIZERS, used for:                                    |                        |               |
| Cotton . . . . .   | 175                    | —             |
| Other annual crops . . . . .                                       | 845                    | —             |
| <b>Total . . . . .</b>   | <b>1,020</b>           | <b>147</b>    |
| SEAWEED, MANGROVE MUD AND COMPOST USED FOR COCONUT PALMS . . . . . | 2                      | 19            |

## 45. — BUILDINGS AND OTHER CONSTRUCTIONS.

| CLASSIFICATION                                  | TOTAL FOR WHOLE COLONY |                    |
|---|------------------------|--------------------|
|   | Number                 | Capacity           |
|   | number                 | horse-power        |
| FACTORIES:                                      |                        |                    |
| For production of sugar . . . . .               | 0                      | 11,883             |
| For preparation of sisal fibre . . . . .        | 20                     | 6,462              |
| For preparation of tea . . . . .                | 1                      | 69                 |
| SILOS:  |                        |                    |
| Above ground, made of:                          |                        | cubic feet         |
| Zinc . . . . .                                  | 128                    | 19,459             |
| Stone . . . . .                                 | 2                      | 25,427             |
| Wooden staves . . . . .                         | 4                      | 8,687              |
| Iron . . . . .                                  | 5                      | 10,065             |
| Plaster . . . . .                               | 1                      | 5,297              |
| Underground, stone . . . . .                    | 8                      | 6,569              |
| <b>Total . . . . .</b>                          | <b>146</b>             | <b>75,504</b>      |
| TANKS FOR DISINFECTING LIVESTOCK . . . . .      | 158 (1)                | 90,583             |
| PUMPS:  |                        |                    |
|   |                        | duty in cubic feet |
| For irrigation . . . . .                        | 96 (2)                 | 1,274,306          |
| For other purposes . . . . .                    | 140 (2)                | 74,303             |
| <b>Total . . . . .</b>                          | <b>236 (2)</b>         | <b>1,348,609</b>   |
| NARROW-GAUGE RAILWAYS:                          |                        |                    |
|   |                        | miles              |
| Serving sugar-cane holdings, fixed . . . . .    | —                      | 201                |
| Serving sugar-cane holdings, portable . . . . . | —                      | 71                 |
| Serving sisal holdings, fixed . . . . .         | —                      | 85                 |
| Serving sisal holdings, portable . . . . .      | —                      | 45                 |
| For other purposes, fixed . . . . .             | —                      | 109                |
| For other purposes, portable . . . . .          | —                      | 40                 |
| <b>Total . . . . .</b>                          | <b>—</b>               | <b>581</b>         |

(1) Data incomplete; capacity of 1 tank unknown. — (2) Data very incomplete.

## 46. — DISTRIBUTION OF AREA DRAINED AND IRRIGATED ACCORDING TO CROPS.

| CLASSIFICATION                                | TOTAL FOR WHOLE COLONY |   |
|---|------------------------|---|
|   | Absolute data          | Percentage of total area drained or irrigated |
|   | acres                  | %   |
| AREA DRAINED, GIVEN OVER TO CULTIVATION OF:   |                        |   |
| Annual crops . . . . .                        | 5,513                  | 4.2   |
| Sugar-cane . . . . .                          | 57,114                 | 43.8  |
| Coconut palms . . . . .                       | 65,704                 | 50.4  |
| Tea . . . . .                                 | 692                    | 0.6   |
| Citrus fruits . . . . .                       | 2                      | 0.0   |
| Bananas . . . . .                             | 1,278                  | 1.0   |
| Other trees and fruit plants . . . . .        | 59                     | 0.05  |
| <b>Total . . . . .</b>                        | <b>130,362</b>         | <b>100.0</b>                                  |
| AREA IRRIGATED, GIVEN OVER TO CULTIVATION OF: |                        |   |
| Annual crops . . . . .                        | 4,142                  | 8.7   |
| Sugar-cane . . . . .                          | 42,201                 | 88.8  |
| Citrus fruits . . . . .                       | 578                    | 1.2   |
| Bananas . . . . .                             | 111                    | 0.3   |
| Other trees and fruit plants . . . . .        | 484                    | 1.0   |
| <b>Total . . . . .</b>                        | <b>47,516</b>          | <b>100.0</b>                                  |

## 47. — LIVESTOCK ON 31 OCTOBER 1930.

| CLASSIFICATION                            | TOTAL FOR WHOLE COLONY (1) |                  |               |
|---|----------------------------|------------------|---------------|
|   | Total                      | Including        |               |
|   |                            | pure breeds      | crossbred (2) |
|   | number                     | number           | number        |
| <b>Horses:</b>                            |                            |                  |               |
| Stallions .....                           | 50                         | —                | —             |
| Mares .....                               | 20                         | —                | —             |
| <b>Total</b> .....                        | <b>70</b>                  | <b>—</b>         | <b>—</b>      |
| <b>Asses:</b>                             |                            |                  |               |
| Males .....                               | 1,123                      | —                | —             |
| Females .....                             | 651                        | —                | —             |
| <b>Total</b> .....                        | <b>1,774</b>               | <b>—</b>         | <b>—</b>      |
| <b>Mules:</b>                             |                            |                  |               |
| Males .....                               | 46                         | —                | —             |
| Females .....                             | 80                         | —                | —             |
| <b>Total</b> .....                        | <b>126</b>                 | <b>—</b>         | <b>—</b>      |
| <b>CATTLE:</b>                            |                            |                  |               |
| Milch cows .....                          | 4,486                      | 888              | 1,157         |
| Draught bulls .....                       | 18,827                     | 9                | 1,718         |
| Draught cows .....                        | 1,190                      | —                | —             |
| Bulls for reproduction or fattening ..... | 7,583                      | 166              | 1,118         |
| Cows for reproduction or fattening .....  | 25,311                     | 1,359            | 3,456         |
| Calves for fattening .....                | 22,042                     | 23               | 1,535         |
| <b>Total</b> .....                        | <b>82,303</b> (3)          | <b>2,445</b> (4) | <b>10,795</b> |
| <b>Sheep:</b>                             |                            |                  |               |
| Milch ewes .....                          | 79                         | —                | —             |
| Rams for reproduction or fattening .....  | 2,424                      | —                | 43            |
| Ewes for reproduction or fattening .....  | 7,086                      | —                | 83            |
| <b>Total</b> .....                        | <b>9,589</b>               | <b>—</b>         | <b>126</b>    |
| <b>Goats:</b>                             |                            |                  |               |
| Milch goats .....                         | 456                        | —                | —             |
| Goats for reproduction or fattening ..... | 1,969                      | —                | 12            |
| Goats for reproduction or fattening ..... | 6,167                      | —                | 40            |
| <b>Total</b> .....                        | <b>8,592</b>               | <b>—</b>         | <b>52</b>     |
| <b>Pigs:</b>                              |                            |                  |               |
| Boars for reproduction or fattening ..... | 4,083                      | 162              | 147           |
| Sows for reproduction or fattening .....  | 7,265                      | 145              | 160           |
| <b>Total</b> .....                        | <b>12,348</b>              | <b>307</b>       | <b>307</b>    |
| <b>POULTRY:</b>                           |                            |                  |               |
| Fowls .....                               | 64,375                     | 27,612           | —             |
| Pigeons .....                             | 30,999                     | —                | —             |
| Geese .....                               | 568                        | —                | —             |
| Ducks .....                               | 5,319                      | —                | —             |
| Turkeys .....                             | 2,339                      | —                | —             |
| <b>Total</b> .....                        | <b>105,609</b>             | <b>—</b>         | <b>—</b>      |

(1) Excluding the Marroxo district (Manica and Sofala): 1 British-owned holding with 19,141 acres under crops. — (2) Excluding animals crossed with breeds indicated under pure breeds. — (3) Including 2,864 animals for reproduction or fattening without other specification. — (4) Including 1,831 animals for reproduction or fattening without other specification.

## 48. — DISTRIBUTION OF PUREBRED LIVESTOCK ACCORDING TO BREED (1).

| CLASSIFICATION             | TOTAL FOR WHOLE COLONY |                  |                      |
|----------------------------|------------------------|------------------|----------------------|
|                            | Total                  | Pedigree animals | Non-pedigree animals |
|                            |                        |                  |                      |
| <b>CATTLE (2):</b>         |                        |                  |                      |
| Aberkander .....           | 305                    | 1                | 304                  |
| Ayrshire .....             | 1                      | —                | 1                    |
| Friesian .....             | 900                    | 107              | 793                  |
| Hereford .....             | 18                     | 9                | 9                    |
| Red poll .....             | 7                      | 1                | 6                    |
| Shorthorn .....            | 480                    | 14               | 466                  |
| Breeds not specified ..... | 734 (3)                | 3                | 731                  |
| <b>Total</b> .....         | <b>2,445</b>           | <b>135</b>       | <b>2,310</b>         |
| <b>Pigs:</b>               |                        |                  |                      |
| Aberkander .....           | 47                     | —                | 47                   |
| Berkshire .....            | 1                      | —                | 1                    |
| Large black .....          | 259                    | 7                | 252                  |
| <b>Total</b> .....         | <b>307</b>             | <b>7</b>         | <b>300</b>           |
| <b>FOCAL:</b>              |                        |                  |                      |
| Guinea .....               | 100                    | —                | —                    |
| Laghorn .....              | 20,128                 | —                | —                    |
| Minorca .....              | 5,992                  | —                | —                    |
| Orpington .....            | 10                     | —                | —                    |
| Rhode Island Red .....     | 392                    | —                | —                    |
| Breeds not specified ..... | 890                    | —                | —                    |
| <b>Total</b> .....         | <b>27,612</b>          | <b>—</b>         | <b>—</b>             |

(1) Data incomplete: those for the Marroxo district lacking.

(2) Milk asses:

|                | 0 pedigree | 1 non-pedigree |
|----------------|------------|----------------|
| Ayrshire ..... | 59         | 678            |
| Friesian ..... | 0          | 6              |
| Red poll ..... | 11         | 133            |

(3) Zebras.

## 49. — LIVESTOCK REMOVED FROM HOLDINGS DURING AGRICULTURAL YEAR.

| CLASSIFICATION | TOTAL FOR WHOLE COLONY |        |               |                |        |
|----------------|------------------------|--------|---------------|----------------|--------|
|                | Consumed on holdings   | Sales  | Deaths        |                | Total  |
|                |                        |        | from sickness | from accidents |        |
|                | number                 | number | number        | number         | number |
| Cattle .....   | 1,294                  | 3,341  | 515           | 1,057          | 6,407  |
| Sheep .....    | 301                    | 265    | 198           | 101            | 865    |
| Goats .....    | 681                    | 238    | 255           | 181            | 1,335  |
| Pigs .....     | 664                    | 2,804  | 370           | 538            | 4,382  |

## 50. — PRODUCTION AND DESTINATION OF ANIMAL PRODUCTS DURING AGRICULTURAL YEAR.

| CLASSIFICATION               | TOTAL FOR WHOLE COLONY (1) |         |                                |                 |
|------------------------------|----------------------------|---------|--------------------------------|-----------------|
|                              | Total                      | Sales   | Consumed or otherwise utilized | For manufacture |
| Milk (imp. gallon) . . . . . | 306,848                    | 211,924 | 62,181                         | 81,745          |
| Butter (lb.) . . . . .       | 52,250                     | 42,770  | 8,480                          | —               |
| Cheese (lb.) . . . . .       | 2,205                      | —       | 2,205                          | —               |
| Hair (lb.) (2) . . . . .     | 3,086                      | 2,866   | 220                            | —               |
| Eggs (3) . . . . .           | 2,641                      | 1,861   | (4) 979                        | —               |

(1) Data lacking for Niassa and Tete districts where production is of very little importance. — (2) Data incomplete. — (3) The data refer only to the Lourenço Marques district and to Manica and Sofala. — (4) Excluding end-of-year stocks; 1000 eggs.

## 51. — PERSONS OCCUPIED ON AGRICULTURAL AND FOREST HOLDINGS AND ON FOREST AND MANGROVE CONCESSIONS ON 31 OCTOBER 1930.

| CLASSIFICATION  | TERRITORIES ADMINISTERED BY GOVERNMENT | MANICA AND SOFALA | TOTAL FOR WHOLE COLONY |
|---|--|-------------------|------------------------|
|   | number                                 | number            | number                 |
| <b>EUROPEANS AND PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS:</b>           |  |                   |                        |
| Holders of agricultural and forest holdings or of forest and mangrove concessions . . . . . | 799                                    | 123               | 922                    |
| Personnel on agricultural and forest holdings . . . . .                                     | 1,575                                  | 532               | 2,107                  |
| Personnel on forest and mangrove concessions . . . . .                                      | 23                                     | 0                 | 23                     |
| Persons occupied in preliminary work . . . . .  | 12                                     | 0                 | 12                     |
| <b>Total . . . . .</b>  | <b>2,609</b>                           | <b>655</b>        | <b>3,064</b>           |
| <b>Natives:</b>   |  |                   |                        |
| Personnel on agricultural and forest holdings . . . . .                                     | 81,002                                 | 17,213            | 98,215                 |
| Personnel on mangrove and forest concessions . . . . .                                      | 1,228                                  | 0                 | 1,228                  |
| Persons occupied in preliminary work . . . . .  | 1,025                                  | 0                 | 1,025                  |
| <b>Total . . . . .</b>  | <b>83,255</b>                          | <b>17,213</b>     | <b>100,468</b>         |

## 52. — DISTRIBUTION OF WAGE LABOUR ON AGRICULTURAL AND FOREST HOLDINGS ON 31 OCTOBER 1930 ACCORDING TO ORIGIN, AGE AND SEX.

| CLASSIFICATION  | TOTAL FOR WHOLE COLONY |              |               |
|---|------------------------|--------------|---------------|
|   | Males                  | Females      | Total         |
|   | number                 | number       | number        |
| <b>EUROPEAN WAGE LABOUR OR THAT OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS:</b> |                        |              |               |
| European . . . . .  | 1,194                  | 22           | 1,216         |
| Persons of mixed origin . . . . .   | 620                    | 35           | 655           |
| Asiatic . . . . .   | 89                     | —            | 89            |
| African . . . . .   | 139                    | 8            | 147           |
| <b>Total . . . . .</b>  | <b>2,042</b>           | <b>65</b>    | <b>2,107</b>  |
| <b>NATIVE WAGE LABOUR:</b>  |                        |              |               |
| Mixed . . . . .   | 7,319                  | 163          | 7,482         |
| Adults . . . . .  | 87,513                 | 3,120        | 90,633        |
| <b>Total . . . . .</b>  | <b>94,832</b>          | <b>3,283</b> | <b>98,215</b> |

## 53. — DISTRIBUTION OF WAGE LABOUR ON AGRICULTURAL AND FOREST HOLDINGS ON 31 OCTOBER 1930 ACCORDING TO ORIGIN AND NATIONALITY.

| NATIONALITY                        | TOTAL FOR WHOLE COLONY                          |            |           |            |                    |
|------------------------------------|---|------------|-----------|------------|--------------------|
|                                    | European, assimilated or equivalent wage labour |            |           |            | Native wage labour |
|                                    | European and other whites                       | Mixed      | Asiatic   | African    |                    |
|                                    | number  | number     | number    | number     | number             |
| Portuguese . . . . .               | 831   | 243        | 1         | 142        | 95,183             |
| Indian (Portuguese) . . . . .      | —   | 61         | —         | —          | —                  |
| Albanian . . . . .                 | 1   | —          | —         | —          | —                  |
| Austrian . . . . .                 | 1   | —          | —         | —          | —                  |
| Belgian . . . . .                  | 1   | —          | —         | —          | —                  |
| British . . . . .                  | 164   | 299        | —         | 5          | 3,112              |
| Dutch . . . . .                    | 12  | —          | —         | —          | —                  |
| French . . . . .                   | 8   | 2          | —         | —          | —                  |
| German . . . . .                   | 134   | —          | —         | —          | —                  |
| Greek . . . . .                    | 36  | —          | —         | —          | —                  |
| Hungarian . . . . .                | 3   | —          | —         | —          | —                  |
| Indian . . . . .                   | 7   | —          | —         | —          | —                  |
| Spanish . . . . .                  | 2   | —          | —         | —          | —                  |
| Swedish . . . . .                  | 2   | —          | —         | —          | —                  |
| Swiss . . . . .                    | 40  | —          | —         | —          | —                  |
| American (United States) . . . . . | 2   | —          | —         | —          | —                  |
| Brazilian . . . . .                | 2   | —          | —         | —          | —                  |
| Chinese . . . . .                  | —   | —          | 86        | —          | —                  |
| Indian (British) . . . . .         | —   | 49         | 2         | —          | —                  |
| Syria . . . . .                    | —   | 1          | —         | —          | —                  |
| <b>Total . . . . .</b>             | <b>1,216</b>                                    | <b>655</b> | <b>89</b> | <b>147</b> | <b>98,215</b>      |

54. — DISTRIBUTION OF WAGE LABOUR ON FOREST AND MANGROVE CONCESSIONS ACTUALLY WORKED, ACCORDING TO ORIGIN, AGE AND SEX.

| CLASSIFICATION   | TERRITORIES ADMINISTERED BY GOVERNMENT |          |                  |
|--|--|----------|------------------|
|  | Males                                  | Females  | Total            |
|  | number                                 | number   | number           |
| EUROPEAN WAGE LABOUR OR THAT OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS: |  |          |                  |
| European . . . . .   | 19                                     | —        | 19               |
| Persons of mixed origin . . . . .  | 3                                      | —        | 3                |
| African . . . . .  | 1                                      | —        | 1                |
| <b>Total . . . . .</b> (1)   | <b>23</b>                              | <b>—</b> | <b>(1) 23</b>    |
| NATIVE WAGE LABOUR:  |  |          |                  |
| Miscellaneous . . . . .  | 42                                     | —        | 42               |
| Adults . . . . .   | 1,186                                  | —        | 1,186            |
| <b>Total . . . . .</b> (1)   | <b>1,228</b>                           | <b>—</b> | <b>(1) 1,228</b> |

(1) All Portuguese subjects except for one British (European).

55. — DISTRIBUTION OF WAGE LABOUR OCCUPIED IN PREPARATION OF GROUND FOR NEW HOLDINGS ON 31 OCTOBER 1930 ACCORDING TO ORIGIN, AGE AND SEX.

| CLASSIFICATION   | TERRITORIES ADMINISTERED BY GOVERNMENT |               |                  |
|--|--|---------------|------------------|
|  | Males                                  | Females       | Total            |
|  | number                                 | number        | number           |
| EUROPEAN WAGE LABOUR OR THAT OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS: |  |               |                  |
| European . . . . .   | (1) 11                                 | —             | (1) 11           |
| Mixed . . . . .  | (2) 1                                  | —             | (2) 1            |
| <b>Total . . . . .</b>   | <b>12</b>                              | <b>—</b>      | <b>12</b>        |
| NATIVE WAGE LABOUR:  |  |               |                  |
| Miscellaneous . . . . .  | 60                                     | —             | 60               |
| Adults . . . . .   | 900                                    | 65            | 965              |
| <b>Total . . . . .</b> (3)   | <b>960</b>                             | <b>(3) 65</b> | <b>(3) 1,025</b> |

(1) Including 3 Portuguese, 3 Germans and 5 Italians. — (2) Indian (Portuguese). — (3) All Portuguese.

56. — DISTRIBUTION OF NUMBER OF DAYS WORKED DURING AGRICULTURAL YEAR BY WAGE LABOUR ON AGRICULTURAL AND FOREST HOLDINGS ACCORDING TO KIND OF WORK AND CLASS OF LABOUR.

| CLASSIFICATION   | KIND OF WORK | TOTAL FOR WHOLE COLONY |                            |                    |                   |
|--|--------------|------------------------|----------------------------|--------------------|-------------------|
|  |              | Field labour           | Industrial and office work | Other work         | Total             |
|  |              | number of days         | number of days             | number of days     | number of days    |
| EUROPEAN WAGE LABOUR OR THAT OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS: |              |                        |                            |                    |                   |
| European . . . . .   | permanent    | 262,697                | 44,956                     | 73,620 (1)         | 381,273           |
|  | temporary    | 2,364                  | 655                        | 155                | 3,174             |
| Persons of mixed race . . . . .  | permanent    | 88,617                 | 64,267                     | 31,786             | 184,670           |
|  | temporary    | 2,045                  | 8,659                      | 540                | 11,244            |
| Asiatic . . . . .  | permanent    | 26,957                 | 1,885                      | 700                | 29,542            |
|  | temporary    | —                      | —                          | 312                | 312               |
| African . . . . .  | permanent    | 22,516                 | 3,524                      | 5,415              | 31,455            |
|  | temporary    | 82                     | —                          | 130                | 212               |
| <b>Total . . . . .</b>   | <b>—</b>     | <b>405,258</b>         | <b>123,806</b>             | <b>112,946</b> (1) | <b>642,010</b>    |
| NATIVE WAGE LABOUR:  |              |                        |                            |                    |                   |
| Miscellaneous, males . . . . .   | —            | 1,873,081              | 65,195                     | 375,474            | 2,313,750         |
| Miscellaneous, females . . . . .   | —            | 46,210                 | —                          | 6,095              | 52,305            |
| Adults, males . . . . .  | —            | 23,519,205             | 2,506,532                  | 2,804,170          | 28,829,907        |
| Adults, females . . . . .  | —            | 1,094,010              | 9,312                      | 43,655             | 1,147,977         |
| <b>Total . . . . .</b>   | <b>—</b>     | <b>26,532,514</b>      | <b>2,581,639</b>           | <b>3,229,394</b>   | <b>32,343,547</b> |

(1) Including 930 days not specified.

57. — DISTRIBUTION OF NUMBER OF DAYS WORKED DURING AGRICULTURAL YEAR BY WAGE LABOUR ON AGRICULTURAL AND FOREST HOLDINGS ACCORDING TO RACE AND NATIONALITY OF WAGE LABOUR.

| NATIONALITY                        | TOTAL FOR WHOLE COLONY                          |                |                |                |                    |
|------------------------------------|---|----------------|----------------|----------------|--------------------|
|                                    | European, assimilated or equivalent wage labour |                |                |                | Native wage labour |
|                                    | European  | Mixed          | Asiatic        | African        | Native             |
|                                    | number of days                                  | number of days | number of days | number of days | number of days     |
| Portuguese . . . . .               | 263,736   | 74,481         | 300            | 30,309         | 31,428,427         |
| Indian (Portuguese) . . . . .      | —   | 17,667         | —              | —              | —                  |
| Albanian . . . . .                 | 365   | —              | —              | —              | —                  |
| Austrian . . . . .                 | 301   | —              | —              | —              | —                  |
| Belgian . . . . .                  | 365   | —              | —              | —              | —                  |
| British . . . . .                  | 52,096  | 67,977         | —              | 1,356          | 915,120            |
| Dutch . . . . .                    | 3,679   | —              | —              | —              | —                  |
| French . . . . .                   | 2,363   | 805            | —              | —              | —                  |
| German . . . . .                   | 32,481  | —              | —              | —              | —                  |
| Greek . . . . .                    | 11,750  | —              | —              | —              | —                  |
| Hungarian . . . . .                | 936   | —              | —              | —              | —                  |
| Italian . . . . .                  | 2,321   | —              | —              | —              | —                  |
| Spanish . . . . .                  | 629   | —              | —              | —              | —                  |
| Swedish . . . . .                  | 830   | —              | —              | —              | —                  |
| Swiss . . . . .                    | 12,634  | —              | —              | —              | —                  |
| American (United States) . . . . . | 473   | —              | —              | —              | —                  |
| Beninese . . . . .                 | 624   | —              | —              | —              | —                  |
| Chinese . . . . .                  | —   | —              | 29,000         | —              | —                  |
| Indian (British) . . . . .         | —   | 14,810         | 624            | —              | —                  |
| Serbian . . . . .                  | —   | 234            | —              | —              | —                  |
| <b>Total . . . . .</b>             | <b>385,583</b>                                  | <b>195,774</b> | <b>29,924</b>  | <b>31,665</b>  | <b>32,343,547</b>  |

58. — DISTRIBUTION OF NUMBER OF DAYS WORKED DURING AGRICULTURAL YEAR BY WAGE LABOUR ON FOREST AND MANGROVE CONCESSIONS ACCORDING TO KIND OF WORK AND CLASS OF LABOUR.

| CLASSIFICATION   | KIND OF WORK  | TERRITORIES ADMINISTERED BY GOVERNMENT |                            |                |                |
|--|---------------|--|----------------------------|----------------|----------------|
|  |               | Field labour                           | Industrial and office work | Other work     | Total          |
|  |               | number of days                         | number of days             | number of days | number of days |
| EUROPEAN WAGE LABOUR OR THAT OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS: |               |  |                            |                |                |
| Europeans  | permanent (1) | 3,285                                  | 1,560                      | 824            | 5,669          |
|  | temporary (2) | 25                                     | —                          | 25             | 50             |
| Persons of mixed race  | permanent (1) | 725                                    | —                          | —              | 725            |
|  | temporary (1) | —                                      | —                          | 60             | 60             |
| Africans   | permanent (1) | —                                      | —                          | 101            | 101            |
|  | Total         | 4,035                                  | 1,560                      | 1,010          | 6,605          |
| NATIVE WAGE LABOUR:  |               |  |                            |                |                |
| Minors, males  | —             | 13,104                                 | —                          | —              | 13,104         |
| Adults, males  | —             | 274,578                                | —                          | 3,120          | 277,698        |
| Total  | —             | 287,682                                | —                          | 3,120          | 290,802        |

(1) Work done by Portuguese. — (2) Work done by British.

59. — DISTRIBUTION OF NUMBER OF DAYS WORKED DURING AGRICULTURAL YEAR BY WAGE LABOUR OCCUPIED IN PREPARATION OF GROUND FOR NEW HOLDINGS ACCORDING TO KIND OF WORK AND CLASS OF LABOUR.

| CLASSIFICATION   | KIND OF WORK | TERRITORIES ADMINISTERED BY GOVERNMENT |                            |                |                |
|--|--------------|--|----------------------------|----------------|----------------|
|  |              | Field labour                           | Industrial and office work | Other work     | Total          |
|  |              | number of days                         | number of days             | number of days | number of days |
| EUROPEAN WAGE LABOUR OR THAT OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS: |              |  |                            |                |                |
| Europeans  | permanent    | 972                                    | —                          | 230            | 1,202          |
|  | temporary    | 10                                     | 18                         | 2              | 30             |
| Persons of mixed race  | permanent    | 6                                      | —                          | —              | 6              |
|  | Total        | 988                                    | 18                         | 232 (1)        | 1,238          |
| NATIVE WAGE LABOUR:  |              |  |                            |                |                |
| Minors, males  | —            | 14,452                                 | —                          | 202            | 14,654         |
| Minors, females  | —            | 10                                     | —                          | —              | 10             |
| Adults, males  | —            | 89,035                                 | 1,896                      | 23,413         | 94,344         |
| Adults, females  | —            | 8,390                                  | —                          | —              | 8,390          |
| Total  | —            | 91,927                                 | 1,896                      | 23,615 (2)     | 117,438        |

(1) Including 282 days worked by Portuguese, 670 by Italian, 280 by German and 6 by Portuguese Indians. — (2) All worked by Portuguese subjects.

60. — MONTHLY SALARY OF EUROPEANS OCCUPIED ON HOLDINGS AND CONCESSIONS (1).

| SALARY IN ESCUDOS (R)           | TERRITORIES ADMINISTERED BY GOVERNMENT |
|---------------------------------|--|
|                                 | number receiving salary indicated      |
| Not over 500 R                  | 6                                      |
| From 500 R to 1,000 R inclusive | 45                                     |
| 1,000 * 1,500 *                 | 64                                     |
| 1,500 * 2,000 *                 | 69                                     |
| 2,000 * 2,500 *                 | 42                                     |
| 2,500 * 3,000 *                 | 26                                     |
| 3,000 * 3,500 *                 | 3                                      |
| 3,500 * 4,000 *                 | 8                                      |
| 4,000 * 4,500 *                 | 2                                      |
| 4,500 * 5,000 *                 | 7                                      |
| 5,000 * 5,500 *                 | 1                                      |
| 5,500 * 6,000 *                 | 1                                      |
| 6,000 * 6,500 *                 | —                                      |
| 6,500 * 7,000 *                 | —                                      |
| 7,000 * 7,500 *                 | 2                                      |
| 7,500 * 8,000 *                 | 1                                      |
| 8,000 * 8,500 *                 | —                                      |
| 8,500 * 9,000 *                 | —                                      |
| 9,000 * 9,500 *                 | —                                      |
| 9,500 * 10,000 *                | 1                                      |

(1) Europeans on all holdings and concessions number 968.

61. — MONTHLY SALARY OF PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS AND OCCUPIED ON HOLDINGS AND CONCESSIONS (1).

| SALARY IN ESCUDOS (R)         | TERRITORIES ADMINISTERED BY GOVERNMENT |         |         |
|-------------------------------|--|---------|---------|
|                               | Mixed                                  | Asiatic | African |
|                               | Number receiving salary indicated      |         |         |
| Not over 300 R                | 17                                     | 2       | 5       |
| From 300 R to 600 R inclusive | 40                                     | 7       | 12      |
| 600 * 900 *                   | 17                                     | 5       | 5       |
| 900 * 1,200 *                 | 26                                     | 2       | 2       |
| 1,200 * 1,500 *               | 7                                      | —       | —       |
| 1,500 * 1,800 *               | 7                                      | —       | —       |
| 1,800 * 2,100 *               | 3                                      | —       | —       |
| 2,100 * 2,400 *               | 2                                      | —       | —       |
| 2,400 * 2,700 *               | 1                                      | —       | —       |
| 2,700 * 3,000 *               | 1                                      | —       | —       |
| 3,000 * 3,300 *               | 1                                      | —       | —       |
| 3,300 * 3,600 *               | 1                                      | —       | —       |
| 3,600 * 9,000 *               | 1                                      | —       | —       |

(1) These groups occupied on all holdings and concessions include 438 persons of mixed origin, 59 Asiatics and 145 Africans respectively.

62. — MONTHLY SALARY OF EUROPEANS AND INDIANS <sup>(1)</sup> ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS AND OCCUPIED ON AGRICULTURAL AND FOREST HOLDINGS.

| SALARY IN ESCUDOS (1)             | MANICA AND SOFALA (2)             |        |
|-----------------------------------|-----------------------------------|--------|
|                                   | White                             | Indian |
|                                   | Number receiving salary indicated |        |
| Not over 500 \$                   | —                                 | 46     |
| From 500 \$ to 1,000 \$ inclusive | 13                                | —      |
| + 1,000 + 1,500 +                 | 41                                | 7      |
| + 1,500 + 2,000 +                 | 75                                | 21     |
| + 2,000 + 2,500 +                 | 139                               | —      |
| + 2,500 + 3,000 +                 | 8                                 | —      |
| + 3,000 + 3,500 +                 | —                                 | —      |
| + 3,500 + 4,000 +                 | 1                                 | —      |
| + 4,000 + 4,500 +                 | —                                 | —      |
| + 4,500 + 5,000 +                 | 1                                 | —      |

(1) In the classification of salaries according to nationality, Indians are grouped with persons of mixed origin. — (2) The data refer to 12 of the 14 districts and to all persons covered by the census.

63. — MONTHLY SALARY OF PERSONS OF MIXED <sup>(1)</sup>, YELLOW OR BLACK RACE ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS AND OCCUPIED ON AGRICULTURAL AND FOREST HOLDINGS.

| SALARY IN ESCUDOS (1)           | MANICA AND SOFALA (2)             |        |       |
|---------------------------------|-----------------------------------|--------|-------|
|                                 | Mixed                             | Yellow | Black |
|                                 | Number receiving salary indicated |        |       |
| Not over 300 \$                 | 1                                 | —      | —     |
| From 300 \$ to 600 \$ inclusive | —                                 | —      | —     |
| + 600 + 900 +                   | 8                                 | 10     | 3     |
| + 900 + 1,200 +                 | —                                 | 5      | —     |
| + 1,200 + 1,500 +               | 24                                | 4      | —     |
| + 1,500 + 1,800 +               | 33                                |        |       |
| + 1,800 + 2,000 +               | —                                 | 3      | —     |

(1) Excluding Indians who are grouped with persons of mixed origin in the classification of wage labour according to nationality. — (2) The data refer to 12 of the 14 districts and to all persons of yellow or black race; wage labourers of mixed origin other than Indians number 147.

## 64. — DAILY WAGE PAID FOR TEMPORARY WORK TO EUROPEANS AND PERSONS ASSIMILATED TO OR OF STATUS EQUIVALENT TO EUROPEANS AND OCCUPIED ON HOLDINGS AND CONCESSIONS.

| WAGE IN ESCUDOS                | TOTAL FOR WHOLE COLONY (1)       |       |         |         |
|--------------------------------|----------------------------------|-------|---------|---------|
|                                | European                         | Mixed | Asiatic | African |
|                                | Number receiving wages indicated |       |         |         |
| Not over 50 \$                 | 11                               | 11    | —       | 2       |
| From 50 \$ to 100 \$ inclusive | 9                                | 44    | 1       | —       |
| + 100 + 150 +                  | 3                                | —     | —       | —       |
| + 150 + 200 +                  | 1                                | —     | —       | —       |

(1) For Manica and Sofala, only agricultural and forest holdings.

## 65. — DAILY WAGE PAID TO NATIVES FOR FIELD LABOUR AND SIMILAR WORK.

| WAGE IN ESCUDOS AND CENTAVOS     | TOTAL FOR WHOLE COLONY |         |         |         |       |
|----------------------------------|------------------------|---------|---------|---------|-------|
|                                  | Males                  |         | Females |         | Total |
|                                  | males                  | females | males   | females |       |
| Number receiving wages indicated |                        |         |         |         |       |
| Not over \$ 25                   | 2                      | —       | —       | —       | 2     |
| From \$ 25 to \$ 50 inclusive    | 11                     | —       | 15      | 8       | 36    |
| + \$ 50 + \$ 75                  | 24                     | 5       | 6       | 7       | 42    |
| + \$ 75 + 1\$ 00                 | 73                     | 5       | 43      | 23      | 144   |
| + 1\$ 00 + 1\$ 25                | 19                     | 1       | 22      | 10      | 52    |
| + 1\$ 25 + 1\$ 50                | 67                     | 5       | 144     | 12      | 228   |
| + 1\$ 50 + 1\$ 75                | 18                     | 1       | 63      | 14      | 96    |
| + 1\$ 75 + 2\$ 00                | 91                     | 1       | 185     | 43      | 320   |
| + 2\$ 00 + 2\$ 25                | 27                     | —       | 59      | 13      | 99    |
| + 2\$ 25 + 2\$ 50                | 80                     | 2       | 62      | 35      | 199   |
| + 2\$ 50 + 2\$ 75                | 44                     | —       | 78      | 6       | 128   |
| + 2\$ 75 + 3\$ 00                | 42                     | —       | 54      | 5       | 101   |
| + 3\$ 00 + 3\$ 25                | 7                      | —       | 44      | —       | 51    |
| + 3\$ 25 + 3\$ 50                | 29                     | —       | 128     | 10      | 167   |
| + 3\$ 50 + 3\$ 75                | —                      | —       | 45      | 1       | 46    |
| + 3\$ 75 + 4\$ 00                | 4                      | —       | 32      | 1       | 37    |
| + 4\$ 00 + 4\$ 25                | 1                      | —       | 45      | —       | 46    |
| + 4\$ 25 + 4\$ 50                | 4                      | —       | 62      | 1       | 67    |
| + 4\$ 50 + 4\$ 75                | —                      | —       | 12      | —       | 12    |
| + 4\$ 75 + 5\$ 00                | 1                      | —       | 87      | 1       | 89    |
| + 5\$ 00 + 5\$ 25                | —                      | —       | 9       | —       | 9     |
| + 5\$ 25 + 5\$ 50                | 1                      | —       | 17      | —       | 18    |
| + 5\$ 50 + 5\$ 75                | —                      | —       | 5       | —       | 5     |
| + 5\$ 75 + 6\$ 00                | 1                      | —       | 5       | —       | 6     |
| + 6\$ 00 + 6\$ 25                | —                      | —       | —       | —       | —     |
| + 6\$ 25 + 6\$ 50                | 1                      | —       | 23      | —       | 24    |
| + 6\$ 50 + 6\$ 75                | —                      | —       | 1       | —       | 1     |
| + 6\$ 75 + 7\$ 00                | —                      | —       | 1       | —       | 1     |
| + 7\$ 00 + 7\$ 25                | —                      | —       | —       | —       | —     |
| + 7\$ 25 + 7\$ 50                | —                      | —       | 2       | —       | 2     |
| + 7\$ 50 + 7\$ 75                | —                      | —       | —       | —       | —     |
| + 7\$ 75 + 8\$ 00                | —                      | —       | 2       | —       | 2     |

66. — NUMBER OF PROPRIETORS <sup>(1)</sup> ON 31 OCTOBER 1930 AND THEIR DISTRIBUTION ACCORDING TO STATUS AND JURIDICAL POSITION.

| CLASSIFICATION  | Total<br>FOR<br>WHOLE COLONY |
|---|------------------------------|
|   | number                       |
| <b>CLASS</b>  |                              |
| European . . . . .  | 665                          |
| Persons assimilated to or of equivalent status to Europeans . . . . .                 | 429                          |
| Total . . . . .   | 1,094                        |
| <b>LEGAL STATUS:</b>  |                              |
| Civil persons . . . . .   | 922                          |
| Juridical persons, with headquarters in the Colony . . . . .                          | 134                          |
| Juridical persons, with headquarters in other parts of Portuguese territory . . . . . | 17                           |
| Juridical persons, with headquarters outside Portuguese territory . . . . .           | 21                           |
| Total . . . . .   | 1,094                        |

(1) Civil and juridical persons.

67. — NUMBER OF PROPRIETORS <sup>(1)</sup> ON 31 OCTOBER 1930 AND THEIR DISTRIBUTION ACCORDING TO NATIONALITY.

| NATIONALITY                         | Total<br>FOR<br>WHOLE COLONY |
|-------------------------------------|------------------------------|
|                                     | number                       |
| Portuguese . . . . .                | 755                          |
| Indian (Portuguese) . . . . .       | 45                           |
| Belgian . . . . .                   | 2                            |
| British . . . . .                   | 23                           |
| French . . . . .                    | 5                            |
| German . . . . .                    | 45                           |
| Greek . . . . .                     | 31                           |
| Italian . . . . .                   | 1                            |
| Romanian . . . . .                  | 1                            |
| Spanish . . . . .                   | 1                            |
| Swiss . . . . .                     | 9                            |
| American (United States) . . . . .  | 3                            |
| Brazilian . . . . .                 | 1                            |
| Chinese . . . . .                   | 34                           |
| Indian (British) . . . . .          | 59                           |
| Nationality not specified . . . . . | 29                           |
| Total . . . . .                     | 1,094                        |

(1) Civil and juridical persons.

68. — DEBTS OWED BY HOLDINGS ON 31 OCTOBER 1930.

| CLASSIFICATION   | Total for whole Colony |                      |   |
|--|------------------------|----------------------|---|
|  | Total debts            | Agricultural debtors |   |
|  |                        | European             | Assimilated to or of equivalent status to Europeans |
|  | escudos                | number               | number  |
| Debts owed to the Junta de Creditos Agricola . . . . . | 14,039,718             | 51                   | 2   |
| Debts owed to other organizations . . . . .            | 28,826,722             | 62                   | 7   |
| Total . . . . .  | 42,866,440             | 113                  | 9   |

69. — AGRICULTURAL ASSOCIATIONS.

| CLASSIFICATION                                | Total<br>FOR<br>WHOLE COLONY |
|---|------------------------------|
|   | number                       |
| Syndicates and similar associations . . . . . | 6                            |
| Marketing cooperatives . . . . .              | 3                            |
| Total . . . . .                               | 9                            |

70. — COCONUT PALMS ON NATIVE HOLDINGS: AREA, NUMBER OF TREES AND PRODUCTION.

| CLASSIFICATION                          | Territories administered by Government |                 |                |
|---|--|-----------------|----------------|
|   | Area                                   | Number of trees | Production (1) |
|   | acres                                  | number          | number         |
| Coconut palms, in bearing . . . . .     | —                                      | 1,894,510       | 50,454,000     |
| Coconut palms, not in bearing . . . . . | —                                      | 1,531,862       | —              |
| Total . . . . .                         | 50,729                                 | (2) 3,426,372   | 50,454,000     |

(1) Excluding production in Mozambique district; 1928-29 data: 44,740 trees in bearing. — (2) Including 250,400 trees in the Inhambane district; data lacking as regards trees in bearing and not in bearing.

71. — COCONUT PALMS ON NATIVE HOLDINGS: DESTINATION OF PRODUCTION.

| CLASSIFICATION  | Territories administered by Government (1) |               |                    |             |
|---|--|---------------|--------------------|-------------|
|   | Coconuts                                   |               | Copra              |             |
|   | Quantity available                         | Destination   | Quantity available | Destination |
|   | number                                     | number        | 1,000 lb.          | 1,000 lb.   |
| Production during agricultural year . . . . .             | 50,454,000                                 | —             | —                  | —           |
| Transformed into copra during agricultural year . . . . . | —  | 48,110,000    | 17,381             | —           |
| Consumed during agricultural year . . . . .               | —  | (2) 2,344,000 | —                  | —           |
| Sold during agricultural year . . . . .                   | —  | —             | —                  | (3) 21,869  |

(1) Excluding the Mozambique district. — (2) Including 446,000 nuts in the Inhambane district, the destination of which is not known. — (3) Quantity purchased by commercial firms; in addition, 575,000 lb. purchased in the Mozambique district.

72. — PURCHASES OF NATIVE PRODUCTS BY COMMERCIAL FIRMS  
DURING AGRICULTURAL YEAR.

| PRODUCTS   | TERRITORIES<br>ADMINISTERED<br>BY GOVERNMENT (1) |
|--|--|
|  | 1,000 £.   |
| <b>CEREALS:</b>  |  |
| Maise . . . . .  | 66,544   |
| Maise meal . . . . .   | 184  |
| Spiced millet . . . . .  | 258  |
| Rough rice . . . . .   | 2,704  |
| Husked rice . . . . .  | 589  |
| Sorghum . . . . .  | 9,912  |
| <b>LEGUMINOUS CROPS FOR GRAIN:</b>   |  |
| Chinese cow peas ( <i>Pigea sinensis</i> , <i>Erdlüber</i> and others) . . . . . | 12,227   |
| Kidney beans . . . . .   | 171  |
| Peanut . . . . .   | 43   |
| <b>TUBERS AND ROOT CROPS FOR FOOD:</b>   |  |
| Potatoes . . . . .   | 81   |
| Dry manioc and manioc flour . . . . .  | 18,160   |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>  |  |
| Tobacco . . . . .  | 60   |
| Cotton . . . . .   | 200  |
| Groundnuts . . . . .   | 64,516   |
| Cashew nuts . . . . .  | 8,440  |
| Coconuts (handmade) . . . . .  | 125  |
| Copra . . . . .  | 21,464   |
| Castor-oil . . . . .   | 2,924  |
| Sesame . . . . .   | 9,329  |
| Safflower . . . . .  | 1  |
| Rolls tree . . . . .   | 16,727   |
| <b>VEGETABLES:</b>   |  |
| Onions . . . . .   | 2  |
| Garlic . . . . .   | 2  |
| Garbs . . . . .  | 27   |
| <b>STIMULANTS:</b>   |  |
| Coffee . . . . .   | 15   |
| Malaguetta pepper . . . . .  | 146  |
| <b>FOREST PRODUCTS:</b>  |  |
| Cassia seeds ( <i>C. alba</i> L.) . . . . .                                      | 873  |
| Rubber . . . . .   | 1  |
| Callisium ( <i>Ferula galbanifera</i> , <i>Bala</i> , et <i>Baku</i> ) . . . . . | 2  |
| Columba root ( <i>Jatropha gossypifolia</i> Miers) . . . . .                     | 1,138  |
| Gum copal . . . . .  | 19   |
| <b>ANIMAL PRODUCTS:</b>  |  |
| Wax . . . . .  | 110  |

(1) Excluding the Tete district.

## UNION OF SOUTH AFRICA



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## THE AGRICULTURAL CENSUS OF THE UNION OF SOUTH AFRICA

The Union of South Africa carries out a complete agricultural and pastoral census every five years, supplemented by an annual census of smaller scope in the interim; as the previous census was in 1926, there should have been another in 1931 but the date was anticipated by a year so that the new quinquennial census coincided with the World Agricultural Census of 1930. It should be added, however, that as a measure of economy the agricultural and pastoral census was abolished after the 1929-30 enquiry, but it has been reinstated as from 1933-34.

The collection of data is entrusted to the Union constabulary. In 1930 there were added to the usual questions supplementary ones to ensure as far as possible a closer correspondence between the information gathered and that requested in the standard form drawn up by the International Institute of Agriculture.

The present census refers to 31 August 1930 and covers the period from 1 September 1929 to 31 August 1930, the data referring mainly to holdings occupied by Europeans. In rural areas all holdings are enumerated, but in the urban areas they are only enumerated when their area is at least one morgen (2.11654 acres) (1) and the crops of them are intended for sale. For the natives residing on holdings occupied by Europeans and for those residing in rural native reserves, locations and on private holdings solely owned or rented by them it was possible to obtain only data concerning certain classes of livestock and the yields of certain crops. For maize, sorghum, wool and mohair produced by natives in reserves, locations and on private holdings solely owned or rented by them the data are based on estimates, experience having shown that the figures so obtained are more reliable than those collected by direct enumeration.

The difference between the total area of the Union and that occupied by European holdings (including 764,549 acres thereon under forests) is accounted for by the urban areas (excluding those enumerated for the census) the mineral zones, State forests (193,138 acres), Municipal forests (19,225 acres), forests in native areas (13,157 acres), national parks and game reserves (7,314,870 acres), native reserves and locations, etc. (of which the area is unknown, apart from the 13,157 acres under forests), and unoccupied holdings which are excluded from the enumeration.

(1) In compiling the English edition of this Bulletin, the data previously reduced to hectares have been converted into acres. Accordingly a coefficient equivalent to 2.116538 has been used instead of that indicated above. It should also be noted that inevitable small adjustments, in the figures so converted, have had to be made in order to agree with the totals.

Finally, the natural features of the country, with its immense unproductive or desert lands, and the great importance of pasture result in only a small part (12,356,434 acres) of the total area of European holdings (204,614,355 acres) being cultivated by Europeans and a still smaller part (764,549 acres) being under forests belonging to Europeans.

In tables 2, 22 and 23 is given the original classification of agricultural holdings according to size, the following being the equivalent data in acres:

| Under 10.6               |          | acres |
|--------------------------|----------|-------|
| 10.6 to                  | 43.2     | "     |
| 43.3 "                   | 212.5    | "     |
| 212.6 "                  | 1,059.1  | "     |
| 1,059.2 "                | 2,117.4  | "     |
| 2,117.5 "                | 4,233.9  | "     |
| 4,234.0 "                | 6,350.5  | "     |
| 6,350.6 "                | 10,583.5 | "     |
| 10,583.6 "               | 21,166.2 | "     |
| 21,166.3 acres and over. |          |       |

The data contained in this Bulletin were obtained from the following Sources: 1) *Report of the Agricultural and Pastoral production of the Union of South Africa, 1929-30. Agricultural Census, No. 13, 1930.* Pretoria 1932. — 2) *Official Yearbook of the Union of South Africa, N. 13, 1930/1931.* Pretoria 1932. — 3) the information sent directly to the International Institute of Agriculture by the *Office of Census and Statistics, Pretoria.*

## A — GENERAL DATA

## I. — AREA.

| CLASSIFICATION              | Provinces       |            |            |                   | Union           |
|-----------------------------|-----------------|------------|------------|-------------------|-----------------|
|                             | Cape            | Natal      | Transvaal  | Orange Free State |                 |
|                             | acres           | acres      | acres      | acres             | acres           |
| European holdings . . . . . | 124,878,560     | 11,045,568 | 38,606,951 | 30,083,276        | 204,614,355     |
| Other areas . . . . .       | 52,234,400      | 11,536,192 | 32,081,049 | 1,690,804         | 97,542,445      |
| Total . . . . .             | (1) 177,112,960 | 22,581,760 | 70,688,000 | 31,774,080        | (1) 302,156,800 |

(1) Excluding Walvis Bay (area 275,200 acres) administered as a part of the mandated territory of South West Africa.

2. — NUMBER AND AREA OF EUROPEAN HOLDINGS  
AND THEIR DISTRIBUTION ACCORDING TO SIZE.

| CLASSIFICATION                   | NUMBER OF HOLDINGS |                         | AREA          |                         |                         |
|----------------------------------|--------------------|-------------------------|---------------|-------------------------|-------------------------|
|                                  | Absolute data      | Percentage of the total | Absolute data | Average per holding (2) | Percentage of the total |
|                                  | number             | %                       | acres         | acres                   | %                       |
| Under 5 morgen . . . . .         | 3,687              | 3.0                     | 18,506        | 5.0                     | 0.0                     |
| 5 to 20 morgen . . . . .         | 8,210              | 8.5                     | 177,489       | 21.6                    | 0.1                     |
| 21 to 100 morgen . . . . .       | 8,976              | 9.2                     | 1,085,624     | 120.9                   | 0.5                     |
| 101 to 500 morgen . . . . .      | 30,334             | 31.3                    | 19,254,985    | 634.8                   | 9.4                     |
| 501 to 1,000 morgen . . . . .    | 19,335             | 20.2                    | 30,569,012    | 1,564.8                 | 14.9                    |
| 1,001 to 2,000 morgen . . . . .  | 13,252             | 13.7                    | 40,318,858    | 3,042.5                 | 19.8                    |
| 2,001 to 3,000 morgen . . . . .  | 4,474              | 4.6                     | 23,753,639    | 5,309.3                 | 11.6                    |
| 3,001 to 5,000 morgen . . . . .  | 3,571              | 3.7                     | 29,337,465    | 8,215.5                 | 14.4                    |
| 5,001 to 10,000 morgen . . . . . | 2,078              | 2.1                     | 30,568,589    | 14,710.6                | 14.9                    |
| 10,001 morgen and over . . . . . | 632                | 0.8                     | 29,529,988    | 35,492.8                | 14.4                    |
| Undivided farms . . . . .        | 1,591              | 2.1                     | (1)           | —                       | —                       |
| Total . . . . .                  | 96,940             | 100.0                   | 204,614,355   | 2,110.7                 | 100.0                   |

(1) Area included in the preceding categories. — (2) In calculating the average area per holding, the area of undivided farms has been included in each category, but their number has been included only in calculating the total.

3. — NUMBER AND AREA OF EUROPEAN HOLDINGS  
AND THEIR DISTRIBUTION ACCORDING TO TENURE.

| CLASSIFICATION                               | NUMBER OF HOLDINGS |                         | AREA               |                     |                         |
|--|--------------------|-------------------------|--------------------|---------------------|-------------------------|
|  | Absolute data      | Percentage of the total | Absolute data      | Average per holding | Percentage of the total |
|  | number             | %                       | acres              | acres               | %                       |
| Holdings farmed by owners . . . . .          | 65,306             | 67.4                    | 140,520,669        | 2,151.7             | 68.7                    |
| Holdings leased by owners . . . . .          | 19,465             | 20.1                    | 33,736,189         | 1,733.2             | 16.5                    |
| Holdings occupied on share system . . . . .  | 5,884              | 6.1                     | 9,226,207          | 1,568.0             | 4.5                     |
| Holdings managed for other persons . . . . . | 6,285              | 6.4                     | 21,131,090         | 3,362.1             | 10.3                    |
| <b>Total . . . . .</b>                       | <b>96,940</b>      | <b>100.0</b>            | <b>204,614,355</b> | <b>2,110.7</b>      | <b>100.0</b>            |

4. — LAND UTILIZATION ON EUROPEAN HOLDINGS.

| CLASSIFICATION                           | AREA               |                     |                             |
|--|--------------------|---------------------|-----------------------------|
|  | Absolute data      | Average per holding | Percentage of general total |
|  | acres              | acres               | %                           |
| Arable land . . . . .                    | 11,924,730         | 122.9               | 5.8                         |
| Fruit, vines and tea . . . . .           | 367,473            | 3.8                 | 0.2                         |
| Other crops . . . . .                    | 64,251             | 0.7                 | 0.0                         |
| <b>Total agricultural land . . . . .</b> | <b>12,356,454</b>  | <b>127.4</b>        | <b>6.0</b>                  |
| Forests . . . . .                        | 264,549            | 7.3                 | 0.4                         |
| Other land (1) . . . . .                 | 191,493,372        | 1,975.4             | 93.6                        |
| <b>General total . . . . .</b>           | <b>204,614,355</b> | <b>2,110.7</b>      | <b>100.0</b>                |

(1) Includes the land cultivated by natives residing on European holdings.

5. — UTILIZATION OF ARABLE LAND ON EUROPEAN HOLDINGS.

| CROPS  | AREA             |                     |                             | PRODUCTION    |              |
|--|------------------|---------------------|-----------------------------|---------------|--------------|
|  | Absolute data    | Average per holding | Percentage of general total | Quantity      | Yield        |
|  | acres            | acres               | %                           | 1,000 lb.     | lb. per acre |
| <b>CEREALS CUT FOR GRAIN:</b>  |                  |                     |                             |               |              |
| Wheat . . . . .  | 1,084,445        | 11.2                | 9.1                         | 637,552       | 588          |
| Oats . . . . .   | (1) 696,741      | 7.1                 | 5.8                         | 301,459       | —            |
| Barley . . . . .   | (1) 109,907      | 1.1                 | 0.9                         | 185,636       | —            |
| Rye . . . . .  | 148,981          | 1.5                 | 1.2                         | 80,480        | 540          |
| Millet (Mussak) . . . . .  | (1) 28,032       | 0.3                 | 0.2                         | 1,852         | —            |
| Maize (Makhan) . . . . .   | 6,166,104        | 65.9                | 52.0                        | (2) 3,452,158 | 557          |
| Sorghum (Kaffir corn) . . . . .                                      | 215,276          | 2.2                 | 1.8                         | (3) 78,180    | 363          |
| <b>Total . . . . .</b>   | <b>8,471,466</b> | <b>87.3</b>         | <b>71.0</b>                 | <b>—</b>      | <b>—</b>     |
| <b>LEGUMINOUS PLANTS FOR GRAIN:</b>                                  |                  |                     |                             |               |              |
| Beans . . . . .  | 108,249          | 1.1                 | 0.9                         | 38,705        | 358          |
| Pean . . . . .   | 13,186           | 0.1                 | 0.1                         | 6,297         | 478          |
| <b>Total . . . . .</b>   | <b>121,435</b>   | <b>1.2</b>          | <b>1.0</b>                  | <b>—</b>      | <b>—</b>     |
| <b>TUBER CROPS FOR FOOD OR FEEDING:</b>                              |                  |                     |                             |               |              |
| Potatoes . . . . .   | 86,710           | 0.9                 | 0.7                         | 346,311       | 3,994        |
| Sweet potatoes . . . . .   | 21,375           | 0.2                 | 0.2                         | 84,788        | 3,967        |
| <b>Total . . . . .</b>   | <b>108,085</b>   | <b>1.1</b>          | <b>0.9</b>                  | <b>—</b>      | <b>—</b>     |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FEEDING:</b> |                  |                     |                             |               |              |
| Tall grass . . . . .   | 286,339          | 3.0                 | 2.4                         | 362,816       | 1,267        |
| Other cultivated grasses . . . . .                                   | 29,050           | 0.3                 | 0.2                         | —             | —            |
| Alfalfa cut for hay . . . . .  | (4) 197,801      | 2.0                 | 1.6                         | 622,846       | —            |
| Oats cut for fodder . . . . .  | (5) —            | —                   | —                           | 476,112       | —            |
| Barley cut for fodder . . . . .                                      | (5) —            | —                   | —                           | 27,904        | —            |
| Millet cut for fodder . . . . .                                      | (5) —            | —                   | —                           | 41,716        | —            |
| Wheat fed off by stock . . . . .                                     | 67,066           | 0.7                 | 0.6                         | —             | —            |
| Oats fed off by stock . . . . .                                      | 329,180          | 3.4                 | 2.8                         | —             | —            |
| Barley fed off by stock . . . . .                                    | 66,398           | 0.7                 | 0.6                         | —             | —            |
| Rye fed off by stock . . . . .                                       | 124,175          | 1.3                 | 1.0                         | —             | —            |
| Maize fed off by stock . . . . .                                     | 198,665          | 2.0                 | 1.7                         | —             | —            |
| Estilge made . . . . .   | —                | —                   | —                           | 242,378       | —            |
| <b>Total . . . . .</b>   | <b>1,286,709</b> | <b>13.4</b>         | <b>10.9</b>                 | <b>—</b>      | <b>—</b>     |
| <b>CANES FOR INDUSTRIAL PURPOSES:</b>                                |                  |                     |                             |               |              |
| Sugar-cane harvested . . . . .                                       | 134,857          | 1.4                 | 1.1                         | (6) 5,595,776 | 41,494       |
| not harvested . . . . .  | 175,061          | 1.8                 | 1.5                         | —             | —            |
| <b>Total sugar-cane . . . . .</b>                                    | <b>309,918</b>   | <b>3.2</b>          | <b>2.6</b>                  | <b>—</b>      | <b>—</b>     |

## 5. — UTILIZATION OF ARABLE LAND ON EUROPEAN HOLDINGS (concluded).

| CROPS                      | Area          |                     |                             | Production |              |
|----------------------------|---------------|---------------------|-----------------------------|------------|--------------|
|                            | Absolute data | Average per holding | Percentage of general total | Quantity   | Yield        |
|                            | acres         | acres               | %                           | 1,000 lb.  | lb. per acre |
| Cotton, raw . . . . .      | 35,935        | 0.4                 | 0.3                         | 16,307     | 454          |
| Seed, cultivated . . . . . | 857           | 0.0                 | 0.0                         | —          | —            |
| Groundnuts . . . . .       | 29,275        | 0.3                 | 0.3                         | 19,975     | 682          |
| Soyabean seed . . . . .    | 11,695        | 0.1                 | 0.1                         | 3,652      | 310          |
| Tobacco: Turkish . . . . . | 2,758         | 0.0                 | 0.0                         | 1,373      | 498          |
| Other . . . . .            | 19,341        | 0.2                 | 0.2                         | 10,898     | 563          |
| Total tobacco . . . . .    | 22,099        | 0.2                 | 0.2                         | 12,269     | 555          |
| Chicory root . . . . .     | 1,805         | 0.0                 | 0.0                         | 3,321      | 1,790        |
| Total . . . . .            | 411,634       | 4.2                 | 3.5                         | —          | —            |
| VEGETABLES:                |               |                     |                             |            |              |
| Onions . . . . .           | 4,863         | 0.1                 | 0.0                         | 32,559     | 6,654        |
| CROPS GROWN FOR SEED:      |               |                     |                             |            |              |
| Alfalfa . . . . .          | (7)           | —                   | —                           | 2,149      | —            |
| BARRE FALLOW:              |               |                     |                             |            |              |
| Barre fallow . . . . .     | 1,598,497     | 15.6                | 12.7                        | —          | —            |
| General total . . . . .    | 11,924,730    | 122.9               | 100.0                       | —          | —            |

(1) Including area not for fodder. — (2) Excluding 306,735 thousand lb. produced by natives on European holdings and 718,251 thousand lb. produced by natives on reserves. — (3) Excluding 86,559 thousand lb. produced by natives on European holdings and 189,142 thousand lb. produced by natives on reserves. — (4) Including the area of alfalfa grown for seed. — (5) Area included in the data for the corresponding cereal; see note (1). — (6) These data represent 94% of the total production of sugar-cane, the remaining 6% being contributed by the production of Indians and natives. — (7) Area included in "alfalfa cut for hay"; see note (4).

6. — SUGAR-CANE (*Uba* variety) ON EUROPEAN HOLDINGS IN NATAL ON 30 APRIL 1930 (1).

| DESCRIPTION              | Holdings | Area of holding | AREA UNDER CANE |                     |                         |
|--------------------------|----------|-----------------|-----------------|---------------------|-------------------------|
|                          |          |                 | Absolute data   | Average per holding | Percentage of the total |
|                          |          |                 | acres           | acres               | %                       |
| Plant cane . . . . .     | —        | —               | 98,814          | —                   | 31.0                    |
| First ratoons . . . . .  | —        | —               | 75,087          | —                   | 23.6                    |
| Second ratoons . . . . . | —        | —               | 62,322          | —                   | 20.1                    |
| Third ratoons . . . . .  | —        | —               | 39,640          | —                   | 12.0                    |
| Fourth ratoons . . . . . | —        | —               | 17,142          | —                   | 5.3                     |
| Other ratoons . . . . .  | —        | —               | 18,813          | —                   | 6.1                     |
| Total . . . . .          | 694      | 713,105         | 309,918         | 446.6               | 100.0                   |

(1) On the same date there were in addition 22,235 acres of old cultivated lands prepared for cane plantations, 16,504 acres of virgin cane land prepared and 127,345 acres of land suitable for cane planting, but not yet planted or prepared. The old cane land ploughed out during 1929-30 was 25,540 acres.

## 7. — FRUIT, VINES AND TEA ON EUROPEAN HOLDINGS ON 31 AUGUST 1930.

| DESCRIPTION   | Absolute data | Percentage of total for each group | Dried fruits sold from 1 Sept. 1929 to 31 Aug. 1930 |
|---|---------------|------------------------------------|---|
|   |               |                                    |   |
| FRUIT CROPS:  |               |                                    |   |
| Orchards . . . . .                                    | 265,586       | 73.3                               | —   |
| Pineapples . . . . .                                  | 10,953        | 3.0                                | —   |
| Bananas . . . . .                                     | 13,110        | 5.6                                | —   |
| Vines (1):  | 75,091        | 20.3                               | —   |
| Raisins on the stalks . . . . .                       | —             | —                                  | 552   |
| Raisins, loose . . . . .                              | —             | —                                  | 5,457   |
| Sultanas . . . . .                                    | —             | —                                  | 3,000   |
| Currants . . . . .                                    | —             | —                                  | 616   |
| Dried wine grapes . . . . .                           | —             | —                                  | 58  |
| Tea . . . . .   | 2,823         | 0.8 (2)                            | 2,722   |
| Total . . . . .                                       | 367,473       | 100.0                              | —   |
| Average per holding . . . . .                         | 3.8           | —                                  | —   |
| FRUIT TREES (the produce of which is grown for sale): |               |                                    |   |
| number of trees                                       |               |                                    |   |
| Almonds:  |               |                                    |   |
| in bearing . . . . .                                  | 247,010       | 1.4                                | —   |
| not in bearing . . . . .                              | 211,280       | 1.2                                | —   |
| Apples:   |               |                                    |   |
| in bearing . . . . .                                  | 1,558,810     | 9.2                                | 280   |
| not in bearing . . . . .                              | 905,560       | 5.3                                | —   |
| Apricots:   |               |                                    |   |
| in bearing . . . . .                                  | 1,636,190     | 9.6                                | 2,750   |
| not in bearing . . . . .                              | 554,630       | 3.3                                | —   |
| Citrus fruits:  |               |                                    |   |
| Lemons:   |               |                                    |   |
| in bearing . . . . .                                  | 149,670       | 0.3                                | —   |
| not in bearing . . . . .                              | 47,220        | 0.3                                | —   |
| Mandarins (Navelines):                                |               |                                    |   |
| in bearing . . . . .                                  | 213,640       | 1.3                                | —   |
| not in bearing . . . . .                              | 58,620        | 0.3                                | —   |
| Oranges:  |               |                                    |   |
| in bearing . . . . .                                  | 3,128,160     | 18.4                               | —   |
| not in bearing . . . . .                              | 755,190       | 4.4                                | —   |
| Grapes:   |               |                                    |   |
| in bearing . . . . .                                  | 145,650       | 0.9                                | —   |
| not in bearing . . . . .                              | 98,460        | 0.6                                | —   |
| Figs:   |               |                                    |   |
| in bearing . . . . .                                  | 271,810       | 1.6                                | 318   |
| not in bearing . . . . .                              | 69,780        | 0.4                                | —   |
| Mangoes:  |               |                                    |   |
| in bearing . . . . .                                  | 181,010       | 1.1                                | —   |
| not in bearing . . . . .                              | 49,630        | 0.3                                | —   |
| Pawpaws:  |               |                                    |   |
| in bearing . . . . .                                  | 482,040       | 2.8                                | —   |
| not in bearing . . . . .                              | 199,620       | 0.9                                | —   |
| Peaches:  |               |                                    |   |
| in bearing . . . . .                                  | 2,864,020     | 16.8                               | 2,858   |
| not in bearing . . . . .                              | 726,650       | 4.1                                | —   |
| Nectarines:   |               |                                    |   |
| in bearing . . . . .                                  | 54,910        | 0.3                                | —   |
| not in bearing . . . . .                              | 21,510        | 0.2                                | —   |
| Pears:  |               |                                    |   |
| in bearing . . . . .                                  | 620,000       | 3.6                                | 462   |
| not in bearing . . . . .                              | 389,740       | 2.3                                | —   |
| Avocado:  |               |                                    |   |
| in bearing . . . . .                                  | 17,010        | 0.1                                | —   |
| not in bearing . . . . .                              | 22,910        | 0.1                                | —   |

7. — FRUIT, VINES AND TEA  
ON EUROPEAN HOLDINGS ON 31 AUGUST 1930 (concluded).

| DESCRIPTION                                       | Absolute data     | Percentage of total for each group | Dried fruits sold from 1 Sept. 1929 to 31 Aug. 1930 |           |
|---|-------------------|------------------------------------|---|-----------|
|   |                   |                                    | number of trees                                     | 1,000 lb. |
| <b>Plums:</b>                                     |                   |                                    |   |           |
| in bearing . . . . .                              | 690,770           | 4.0                                | (1)   | 3,751     |
| not in bearing . . . . .                          | 276,380           | 1.6                                |   |           |
| <b>Plums for prunes:</b>                          |                   |                                    |   |           |
| in bearing . . . . .                              | 383,080           | 2.3                                | (4)   |           |
| not in bearing . . . . .                          | 29,060            | 0.2                                |   |           |
| <b>Total fruit trees in bearing . . . . .</b>     | <b>12,647,760</b> | <b>74.3</b>                        |   |           |
| <b>Total fruit trees not in bearing . . . . .</b> | <b>4,376,420</b>  | <b>25.7</b>                        |   |           |
| <b>Total fruit trees . . . . .</b>                | <b>17,024,180</b> | <b>100.0</b>                       |   |           |
| <b>Average per holding:</b>                       |                   |                                    |   |           |
| Fruit trees in bearing . . . . .                  | 130.4             | —                                  |   |           |
| Fruit trees not in bearing . . . . .              | 43.1              | —                                  |   |           |
| <b>Average per acre of agricultural land:</b>     |                   |                                    |   |           |
| Fruit trees in bearing . . . . .                  | 1.0               | —                                  |   |           |
| Fruit trees not in bearing . . . . .              | 0.4               | —                                  |   |           |

(1) For the production of wine, brandy, etc. in the principal viticultural districts, see Table 8. — (2) Green leaf harvested from September 1929 to June 1930. — (3) Including prunes. — (4) See plums.

8. — RESULTS OF 1930 VINTAGE ON EUROPEAN HOLDINGS  
IN THE PRINCIPAL VITICULTURAL DISTRICTS OF CAPE PROVINCE.

| SPECIFICATION  | Quantity      | Percentage of the total |
|--|---------------|-------------------------|
|  |               |                         |
| <b>Production of good wine for sale:</b>             |               |                         |
| Red fortified wine . . . . .                         | 655           | 3.4                     |
| White fortified wine . . . . .                       | 470           | 2.4                     |
| <b>Total . . . . .</b>                               | <b>1,125</b>  | <b>5.8</b>              |
| Red pure natural wine . . . . .                      | 1,266         | 6.5                     |
| White pure natural wine . . . . .                    | 1,777         | 9.2                     |
| <b>Total . . . . .</b>                               | <b>3,043</b>  | <b>15.7</b>             |
| <b>Total good wine for sale . . . . .</b>            | <b>4,168</b>  | <b>21.5</b>             |
| <b>Production of good wine for own use . . . . .</b> | <b>524</b>    | <b>2.7</b>              |
| Production of wine for distilling . . . . .          | 11,731        | 60.4                    |
| Grapes delivered for distillation . . . . .          | (1) 40,804    | 15.3                    |
| Brandy (Classes A, B and C) . . . . .                | 96            | 0.5                     |
| Rebate brandy on farms . . . . .                     | 2             | 0.0                     |
| Wine for vinegar produced on farms . . . . .         | 55            | 0.3                     |
| Grape juice or syrup . . . . .                       | 254           | 1.3                     |
| <b>Total . . . . .</b>                               | <b>19,421</b> | <b>100.0</b>            |

(1) In thousand lb. Taking 1,000 lb. of grapes as equivalent to 65.5 Imperial gallons of wine, 40,804 thousand lb. are equivalent to 2,591 thousand Imperial gallons.

9. — AREA OF FORESTS AND THEIR DISTRIBUTION ACCORDING TO SPECIES  
ON 31 AUGUST 1930.

| DESCRIPTION                    | ON EUROPEAN HOLDINGS |                     | ON STATE PLANTATIONS | ON MUNICIPAL PLANTATIONS | ON NATIVE PLANTATIONS | TOTAL AREA     |                         |
|--------------------------------|----------------------|---------------------|----------------------|--------------------------|-----------------------|----------------|-------------------------|
|                                | Absolute data        | Average per holding |                      |                          |                       | Absolute data  | Percentage of the total |
|                                | acres                | acres               | acres                | acres                    | acres                 | acres          | %                       |
| <b>EUCALYPTUS:</b>             |                      |                     |                      |                          |                       |                |                         |
| 5 years and under . . . . .    | 65,884               | 0.68                | 11,670               | 1,154                    | 801                   | 79,509         | 6.0                     |
| above 5 to 10 years . . . . .  | 53,588               | 0.55                | 7,458                | 3,540                    | 642                   | 65,236         | 6.6                     |
| above 10 to 15 years . . . . . | 26,283               | 0.27                | 5,394                | 3,406                    | 114                   | 35,197         | 3.4                     |
| above 15 to 20 years . . . . . | 11,014               | 0.12                | 5,300                | 727                      | 99                    | 17,130         | 1.7                     |
| over 20 years . . . . .        | 9,532                | 0.10                | 9,248                | 178                      | 22                    | 18,980         | 1.9                     |
| <b>Total . . . . .</b>         | <b>166,301</b>       | <b>1.72</b>         | <b>39,070</b>        | <b>7,013</b>             | <b>1,668</b>          | <b>214,852</b> | <b>21.6</b>             |
| <b>CONIFERS:</b>               |                      |                     |                      |                          |                       |                |                         |
| 5 years and under . . . . .    | 23,393               | 0.24                | 61,887               | 2,290                    | 211                   | 87,781         | 8.9                     |
| above 5 to 10 years . . . . .  | 12,675               | 0.13                | 31,390               | 1,619                    | 437                   | 46,121         | 4.7                     |
| above 10 to 15 years . . . . . | 4,680                | 0.05                | 11,397               | 583                      | 106                   | 16,766         | 1.7                     |
| above 15 to 20 years . . . . . | 1,934                | 0.02                | 11,812               | 151                      | 121                   | 14,918         | 1.4                     |
| over 20 years . . . . .        | 4,139                | 0.04                | 9,744                | 173                      | 12                    | 14,968         | 1.4                     |
| <b>Total . . . . .</b>         | <b>46,821</b>        | <b>0.48</b>         | <b>126,230</b>       | <b>4,816</b>             | <b>887</b>            | <b>178,754</b> | <b>18.1</b>             |
| <b>TAN WATTLE, BLACK:</b>      |                      |                     |                      |                          |                       |                |                         |
| 5 years and under . . . . .    | 367,379              | 3.79                | 4,956                | 3,144                    | 7,478                 | 382,957        | 38.7                    |
| above 5 to 10 years . . . . .  | 86,801               | 0.90                | 2,062                | 845                      | 2,525                 | 92,233         | 9.3                     |
| above 10 to 15 years . . . . . | 10,082               | 0.11                | 502                  | 280                      | 17                    | 10,801         | 1.1                     |
| above 15 to 20 years . . . . . | 3,100                | 0.03                | 1,055                | —                        | 22                    | 4,183          | 0.4                     |
| over 20 years . . . . .        | 3,316                | 0.03                | 388                  | 59                       | 52                    | 3,815          | 0.4                     |
| <b>Total . . . . .</b>         | <b>470,764</b>       | <b>4.85</b>         | <b>8,903</b>         | <b>4,248</b>             | <b>10,094</b>         | <b>493,969</b> | <b>49.9</b>             |
| <b>TAN WATTLE, OTHER:</b>      |                      |                     |                      |                          |                       |                |                         |
| 5 years and under . . . . .    | 15,289               | 0.16                | 1,377                | 1,421                    | 96                    | 18,183         | 1.9                     |
| above 5 to 10 years . . . . .  | 7,000                | 0.07                | 1,530                | 647                      | 136                   | 9,313          | 0.9                     |
| above 10 to 15 years . . . . . | 4,253                | 0.05                | 314                  | 20                       | 67                    | 4,654          | 0.5                     |
| above 15 to 20 years . . . . . | 2,125                | 0.02                | 329                  | —                        | 7                     | 2,461          | 0.2                     |
| over 20 years . . . . .        | 2,310                | 0.02                | 96                   | —                        | 7                     | 2,413          | 0.2                     |
| <b>Total . . . . .</b>         | <b>30,977</b>        | <b>0.32</b>         | <b>3,646</b>         | <b>2,088</b>             | <b>313</b>            | <b>37,028</b>  | <b>3.7</b>              |
| <b>POPULAR:</b>                |                      |                     |                      |                          |                       |                |                         |
| 5 years and under . . . . .    | 6,502                | 0.07                | 363                  | 10                       | 18                    | 6,893          | 0.7                     |
| above 5 to 10 years . . . . .  | 2,722                | 0.03                | 287                  | 42                       | 5                     | 3,056          | 0.3                     |
| above 10 to 15 years . . . . . | 2,050                | 0.02                | 185                  | 6                        | 5                     | 2,246          | 0.2                     |
| above 15 to 20 years . . . . . | 1,969                | 0.02                | 119                  | —                        | 32                    | 2,120          | 0.2                     |
| over 20 years . . . . .        | 5,273                | 0.05                | 54                   | 9                        | 29                    | 5,366          | 0.6                     |
| <b>Total . . . . .</b>         | <b>18,516</b>        | <b>0.19</b>         | <b>1,008</b>         | <b>67</b>                | <b>89</b>             | <b>19,680</b>  | <b>2.0</b>              |
| <b>OTHER SPECIES:</b>          |                      |                     |                      |                          |                       |                |                         |
| 5 years and under . . . . .    | 10,818               | 0.12                | 3,090                | 133                      | 2                     | 13,851         | 1.4                     |
| above 5 to 10 years . . . . .  | 5,945                | 0.06                | 2,651                | 294                      | 7                     | 8,897          | 0.9                     |
| above 10 to 15 years . . . . . | 3,355                | 0.03                | 2,184                | 141                      | 10                    | 5,690          | 0.6                     |
| above 15 to 20 years . . . . . | 3,076                | 0.03                | 1,888                | 5                        | 90                    | 5,059          | 0.5                     |
| over 20 years . . . . .        | 8,196                | 0.08                | 4,490                | 420                      | 7                     | 13,078         | 1.3                     |
| <b>Total . . . . .</b>         | <b>31,390</b>        | <b>0.32</b>         | <b>14,287</b>        | <b>993</b>               | <b>106</b>            | <b>46,570</b>  | <b>4.7</b>              |
| <b>General total . . . . .</b> | <b>764,549</b>       | <b>7.89</b>         | <b>193,138</b>       | <b>19,225</b>            | <b>13,157</b>         | <b>990,649</b> | <b>100.0</b>            |

## 10. — FOREST PRODUCTS FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930.

| PRODUCTS                                  | Unit of measure        | On European holdings | On State plantations | On Municipal plantations | On native plantations | Total   |
|---|------------------------|----------------------|----------------------|--------------------------|-----------------------|---------|
| Fuel and charcoal wood                    | short tons (2,000 lb.) | 242,773              | 94,607               | 13,364                   | 2,105                 | 352,849 |
| Charcoal, manufactured                    | "                      | 2,830                | 84                   | —                        | —                     | 2,914   |
| Mine props                                | "                      | 214,608              | 15,384               | 7,724                    | 6,900                 | 244,616 |
| Wagon wood                                | "                      | 560                  | 3                    | —                        | —                     | 563     |
| Railway sleepers                          | number                 | 8,000                | —                    | —                        | —                     | 8,000   |
| Timber: for other industrial purposes (1) | short tons (2,000 lb.) | 7,327                | 10,515               | 1,383                    | 151                   | 19,376  |
| for non-industrial purposes (2)           | "                      | 23,641               | 15,048               | 1,164                    | 2,436                 | 42,289  |
| Area clear-cut for tax bark               | acres                  | 22,512               | 546                  | 487                      | 356                   | 23,901  |
| Black wattle bark sold: green             | short tons (2,000 lb.) | 50,695               | 493                  | 1,456                    | —                     | 52,644  |
| dry                                       | "                      | 149,842              | 1,641                | 1,348                    | 324                   | 152,155 |
| Other wattle bark sold: green             | "                      | 529                  | 8                    | —                        | —                     | 537     |
| dry                                       | "                      | 882                  | 49                   | —                        | —                     | 931     |
| Total tax bark sold: green                | "                      | 51,224               | 501                  | 1,456                    | —                     | 53,181  |
| Total tax bark sold: dry                  | "                      | 149,724              | 1,690                | 1,348                    | 324                   | 153,086 |

(1) Saw timber, harbours and railway works, buildings, match factories, etc. — (2) Fencing posts, fencing droppers, building spars, etc.

11. — POWER MACHINERY, AGRICULTURAL MACHINES AND IMPLEMENTS OWNED BY EUROPEANS ON 31 AUGUST 1930 <sup>(1)</sup>.

| CLASSIFICATION  | Absolute data |        | Average per holding |
|---|---------------|--------|---------------------|
|   | number        | number |                     |
| <b>POWER MACHINERY:</b>                               |               |        |                     |
| Wind mills  | (2) 59,518    | 0.61   |                     |
| Steam engines   | (3) 1,647     | 0.02   |                     |
| Gas and oil engines                                   | 8,085         | 0.08   |                     |
| Tractors for ploughing                                | 3,684         | 0.04   |                     |
| Electric motors: power generated on holdings          | 1,181         | 0.01   |                     |
| power derived from other sources                      | 254           | 0.00   |                     |
| Total electric motors                                 | 1,435         | 0.01   |                     |
| <b>MACHINERY AND IMPLEMENTS FOR WORKING THE SOIL:</b> |               |        |                     |
| Ploughs: <i>disc</i> : Multiple-furrow ploughs        | 9,013         | 0.09   |                     |
| Two-furrow ploughs                                    | 12,265        | 0.13   |                     |
| Single-furrow ploughs                                 | 3,487         | 0.04   |                     |
| Total   | 24,765        | 0.26   |                     |
| <i>other</i> : Multiple-furrow ploughs                | 11,693        | 0.14   |                     |
| Two-furrow ploughs                                    | 114,605       | 1.18   |                     |
| Single-furrow ploughs                                 | 80,074        | 0.83   |                     |
| Total   | 206,372       | 2.15   |                     |
| Total ploughs   | 231,137       | 2.41   |                     |
| Cultivators   | 117,517       | 1.21   |                     |
| Harrows: <i>disc</i>                                  | 24,445        | 0.25   |                     |
| other   | 87,794        | 0.91   |                     |
| Total harrows   | 112,239       | 1.16   |                     |

11. — POWER MACHINERY, AGRICULTURAL MACHINES AND IMPLEMENTS OWNED BY EUROPEANS ON 31 AUGUST 1930 <sup>(1)</sup> (concluded).

| CLASSIFICATION   | Absolute data |        | Average per holding |
|--|---------------|--------|---------------------|
|  | number        | number |                     |
| <b>MISCELLANEOUS:</b>  |               |        |                     |
| MISERE DISTRIBUTORS  | 18,506        | 0.19   |                     |
| <b>SOILING MACHINES:</b>   |               |        |                     |
| Mule ploughs   | 52,845        | 0.55   |                     |
| Carton ploughs   | 909           | 0.01   |                     |
| Total  | 53,754        | 0.56   |                     |
| <b>HARVESTING MACHINERY AND IMPLEMENTS:</b>                              |               |        |                     |
| Mowers   | 25,842        | 0.27   |                     |
| Reapers and binders  | 10,232        | 0.11   |                     |
| Total  | 36,074        | 0.38   |                     |
| <b>MACHINERY AND IMPLEMENTS FOR THE TREATMENT OF HARVESTED CROPS:</b>    |               |        |                     |
| Threshing machines   | 2,797         | 0.03   |                     |
| Threshers, power-driven  | 5,805         | 0.06   |                     |
| Total  | 8,602         | 0.09   |                     |
| Hay presses  | 6,200         | 0.06   |                     |
| <b>MACHINERY AND IMPLEMENTS FOR THE PREPARATION OF LIVESTOCK FEED:</b>   |               |        |                     |
| Foreign cutters  | 11,827        | 0.12   |                     |
| Silage cutters   | 1,785         | 0.02   |                     |
| Total  | 13,612        | 0.14   |                     |
| Grinding mills   | 12,549        | 0.13   |                     |
| <b>MACHINERY AND IMPLEMENTS FOR THE TREATMENT OF LIVESTOCK PRODUCTS:</b> |               |        |                     |
| Cheese   | 36,285        | 0.37   |                     |
| Cream separators   | 54,056        | 0.56   |                     |
| Wool presses   | 7,738         | 0.08   |                     |
| Furriers' incubators   | 14,357        | 0.15   |                     |
| WAGONS AND TROLLEYS  | 87,820        | 0.91   |                     |

(1) On the same date 53,171 ploughs and 10,546 wagons and trolleys were owned by natives on European holdings and 184,848 ploughs and 13,096 wagons and trolleys were owned by natives on reserves. — (2) Capacity: 14,623 H. P. — (3) Capacity: 51,911 H. P.

## 12. — FERTILIZERS USED AND IRRIGATED AREA ON EUROPEAN HOLDINGS FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930.

| SPECIFICATION           | Unit of measure | Absolute data |        |
|-------------------------|-----------------|---------------|--------|
|                         |                 | number        | number |
| Artificial manures      | 1,000 lb. acres | 627,116       | 6.5    |
| Green crops ploughed in | "               | 306,123       | 3.2    |
| Area irrigated          | "               | 867,623       | 9.0    |

13. — FARM CONSTRUCTIONS EXISTING ON 31 AUGUST 1930 <sup>(1)</sup>.

| CLASSIFICATION                              | Absolute data |        | Average per holding |
|---|---------------|--------|---------------------|
|   | number        | number |                     |
| <b>SILOS ON EUROPEAN HOLDINGS:</b>          |               |        |                     |
| Pit or trough                               | 4,599         | 0.05   |                     |
| Tower or built                              | 1,158         | 0.01   |                     |
| Total                                       | 5,757         | 0.06   |                     |
| <b>DIPPING TANKS:</b>                       |               |        |                     |
| Cattle dipping tanks: On European holdings  | 12,900        | 0.13   |                     |
| On native reserves                          | 2,137         | —      |                     |
| Total                                       | 15,037        | —      |                     |
| Sheep dipping tanks: On European holdings   | 23,213        | 0.24   |                     |
| On native reserves                          | 2,446         | —      |                     |
| Total                                       | 25,659        | —      |                     |
| <b>ARTESIAN WELLS ON EUROPEAN HOLDINGS:</b> | 63,591        | 0.66   |                     |

(1) Other than those in general use.



## 14. — LIVESTOCK ON 31 AUGUST 1930.

| DESCRIPTION   | ON EUROPEAN HOLDINGS OR ON NATIVE RESERVES |                     |                                       | ON URBAN AREAS (1) | TOTAL      |
|---|--|---------------------|---------------------------------------|--------------------|------------|
|   | Absolute data                              | Average per holding | Percentage of total for each category |                    |            |
|   | number                                     | number              | %                                     | number             | number     |
| <b>Horses:</b>  |  |                     |                                       |                    |            |
| Owned by Europeans:   |  |                     |                                       |                    |            |
| Colts and fillies under 1 year old . . . . .                              | 36,234                                     | 0.4                 | 4.3                                   | —                  | —          |
| Young horses from 1 to 3 years old . . . . .                              | 54,246                                     | 0.5                 | 6.3                                   | —                  | —          |
| Stallions 3 years old and over . . . . .                                  | 17,582                                     | 0.2                 | 2.1                                   | —                  | —          |
| Mares 3 years old and over . . . . .                                      | 125,334                                    | 1.3                 | 15.0                                  | —                  | —          |
| Geldings 3 years old and over . . . . .                                   | 184,923                                    | 1.9                 | 22.1                                  | —                  | —          |
| Total . . . . .   | 418,321                                    | 4.3                 | 50.0                                  | —                  | —          |
| Owned by natives on European holdings . . . . .                           |  |                     |                                       |                    |            |
| Owned by natives on reserves . . . . .                                    | 227,864                                    | 2.4                 | 27.3                                  | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 189,818                                    | —                   | 22.7                                  | —                  | —          |
| Total . . . . .   | 836,603                                    | —                   | 100.0                                 | 31,611             | 867,614    |
| <b>Asses:</b>   |  |                     |                                       |                    |            |
| Owned by Europeans . . . . .  |  |                     |                                       |                    |            |
| Owned by natives on European holdings . . . . .                           | 398,407                                    | 4.1                 | 57.0                                  | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 190,737                                    | 1.3                 | 18.7                                  | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 170,417                                    | —                   | 24.3                                  | —                  | —          |
| Total . . . . .   | 699,561                                    | —                   | 100.0                                 | 40,993             | 740,454    |
| <b>Mules:</b>   |  |                     |                                       |                    |            |
| Owned by Europeans . . . . .  |  |                     |                                       |                    |            |
| Owned by natives on European holdings . . . . .                           | 125,354                                    | 1.3                 | 96.5                                  | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 1,942                                      | 0.0                 | 1.5                                   | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 2,558                                      | —                   | 2.0                                   | —                  | —          |
| Total . . . . .   | 129,854                                    | —                   | 100.0                                 | 11,547             | 141,401    |
| <b>Cattle:</b>  |  |                     |                                       |                    |            |
| Owned by Europeans:   |  |                     |                                       |                    |            |
| Under 1 year old . . . . .  | 798,654                                    | 8.2                 | 7.6                                   | —                  | —          |
| From 1 to 2 years old . . . . .   | 718,204                                    | 7.4                 | 6.8                                   | —                  | —          |
| Cows and heifers 2 years old and over . . . . .                           | 1,824,856                                  | 18.8                | 17.2                                  | —                  | —          |
| of which, cows milked (from 1 September 1929 to 31 August 1930) . . . . . | 674,499                                    | 6.7                 | 6.0                                   | —                  | —          |
| Bulls 2 years old and over . . . . .                                      | 76,448                                     | 0.8                 | 0.7                                   | —                  | —          |
| Oxen 2 years old and over . . . . .                                       | 1,758,968                                  | 18.1                | 16.6                                  | —                  | —          |
| Total . . . . .   | 5,172,310                                  | 53.3                | 48.9                                  | —                  | —          |
| Owned by natives on European holdings . . . . .                           |  |                     |                                       |                    |            |
| Owned by natives on reserves . . . . .                                    | 1,495,782                                  | 15.4                | 14.2                                  | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 3,905,777                                  | —                   | 36.9                                  | —                  | —          |
| Total . . . . .   | 10,573,869                                 | —                   | 100.0                                 | 177,107            | 10,750,976 |
| <b>SHEEP:</b>   |  |                     |                                       |                    |            |
| Owned by Europeans:   |  |                     |                                       |                    |            |
| Lambs . . . . .   | 8,367,176                                  | 86.3                | 17.3                                  | —                  | —          |
| Ewes, rams and wethers . . . . .  | 34,785,292                                 | 358.8               | 71.9                                  | —                  | —          |
| Total . . . . .   | 43,152,468                                 | 445.1               | 69.2                                  | —                  | —          |
| Owned by natives on European holdings . . . . .                           |  |                     |                                       |                    |            |
| Owned by natives on reserves . . . . .                                    | 532,945                                    | 5.5                 | 1.1                                   | —                  | —          |
| Owned by natives on reserves . . . . .                                    | 4,674,936                                  | —                   | 9.7                                   | —                  | —          |
| Total . . . . .   | 48,358,349                                 | —                   | 100.0                                 | 161,468            | 48,519,817 |

## 14. — LIVESTOCK ON 31 AUGUST 1930 (concluded).

| DESCRIPTION                                     | ON EUROPEAN HOLDINGS OR ON NATIVE RESERVES |                     |                                       | ON URBAN AREAS (1) | TOTAL     |
|---|--|---------------------|---------------------------------------|--------------------|-----------|
|   | Absolute data                              | Average per holding | Percentage of total for each category |                    |           |
|   | number                                     | number              | %                                     | number             | number    |
| <b>GOATS (including kids):</b>                  |  |                     |                                       |                    |           |
| Owned by Europeans . . . . .                    |  |                     |                                       |                    |           |
| Owned by natives on European holdings . . . . . | 3,650,814                                  | 37.7                | 45.9                                  | —                  | —         |
| Owned by natives on reserves . . . . .          | 1,884,690                                  | 11.2                | 13.6                                  | —                  | —         |
| Owned by natives on reserves . . . . .          | 3,218,699                                  | —                   | 40.5                                  | —                  | —         |
| Total . . . . .                                 | 7,954,403                                  | —                   | 100.0                                 | 40,225             | 7,994,628 |
| <b>SWINE (including sucking pigs):</b>          |  |                     |                                       |                    |           |
| Owned by Europeans . . . . .                    |  |                     |                                       |                    |           |
| Owned by natives on European holdings . . . . . | 494,790                                    | 5.1                 | 52.6                                  | —                  | —         |
| Owned by natives on European holdings . . . . . | 135,041                                    | 1.4                 | 14.3                                  | —                  | —         |
| Owned by natives on reserves . . . . .          | 311,073                                    | —                   | 33.1                                  | —                  | —         |
| Total . . . . .                                 | 940,904                                    | —                   | 100.0                                 | 21,865             | 962,769   |
| <b>Ducks (including chicks):</b>                |  |                     |                                       |                    |           |
| Owned by Europeans . . . . .                    |  |                     |                                       |                    |           |
| Owned by Europeans . . . . .                    | 31,618                                     | 0.3                 | —                                     | 910                | 32,528    |

(1) Figures given in 1926, the last year in which a complete census was taken.

## 15. — POULTRY AND BEES ON 31 AUGUST 1930.

| DESCRIPTION                           | ON EUROPEAN HOLDINGS |                     |                         | ON URBAN AREAS (1) | TOTAL     |
|---------------------------------------|----------------------|---------------------|-------------------------|--------------------|-----------|
|                                       | Absolute data        | Average per holding | Percentage of the total |                    |           |
|                                       | number               | number              | %                       | number             | number    |
| <b>POULTRY:</b>                       |                      |                     |                         |                    |           |
| Fowls (including chicks) . . . . .    |                      |                     |                         |                    |           |
| Ducks (including ducklings) . . . . . | 6,504,979            | 67.1                | 91.7                    | 1,584,949          | 8,089,928 |
| Geese (including goslings) . . . . .  | 220,481              | 2.3                 | 3.1                     | 70,511             | 291,192   |
| Turkeys (including chicks) . . . . .  | 147,193              | 1.5                 | 2.1                     | 7,753              | 154,946   |
| Turkeys (including chicks) . . . . .  | 234,554              | 2.3                 | 3.1                     | 17,918             | 242,472   |
| Total . . . . .                       | 7,097,407            | 73.2                | 100.0                   | 1,681,171          | 8,778,578 |
| <b>BEES:</b>                          |                      |                     |                         |                    |           |
| Hives in use . . . . .                |                      |                     |                         |                    |           |
| Hives in use . . . . .                | 66,549               | 0.7                 | —                       | 7,518              | 74,067    |

(1) Figures given in 1926, the last year in which a complete census was taken.

16. — SHEEP AND GOATS CLASSIFIED ACCORDING TO PURPOSE AND BREED  
 (Excluding urban areas).

| CLASSIFICATION   | Absolute data | Average<br>per holding | Percentage<br>of<br>general total<br>for each<br>category |
|--|---------------|------------------------|---|
|  | number        | number                 | %   |
| <b>SHEEP FOR WOOL:</b>                                       |               |                        |   |
| Owned by Europeans:  |               |                        |   |
| <i>Lands:</i> Merino . . . . .                               | 6,807,055     | 71.2                   | 14.3  |
| English breeds . . . . .                                     | 3,324         | 0.0                    | 0.0   |
| Cross breeds . . . . .                                       | 341,612       | 4.0                    | 0.8   |
| Persian . . . . .  | 28,165        | 0.3                    | 0.1   |
| <i>Total . . . . .</i>                                       | 7,320,156     | 75.5                   | 15.2  |
| <i>Ewes, rams and wethers:</i> Merino . . . . .              | 50,871,922    | 318.5                  | 63.8  |
| English breeds . . . . .                                     | 9,040         | 0.1                    | 0.0   |
| Cross breeds . . . . .                                       | 1,129,106     | 11.6                   | 2.3   |
| Persian . . . . .  | 89,618        | 0.9                    | 0.2   |
| <i>Total . . . . .</i>                                       | 52,099,686    | 331.1                  | 66.3  |
| <i>Total sheep for wool owned by Europeans . . . . .</i>     | 59,419,842    | 406.6                  | 81.5  |
| Owned by natives on European holdings . . . . .              | 328,324       | 3.4                    | 0.7   |
| Owned by natives on reserves . . . . .                       | 4,163,995     | —                      | 8.6   |
| <i>Total sheep for wool . . . . .</i>                        | 43,912,161    | —                      | 90.8  |
| <b>SHEEP NOT FOR WOOL:</b>                                   |               |                        |   |
| Owned by Europeans:  |               |                        |   |
| <i>Lands:</i> Karakul . . . . .                              | 2,285         | 0.8                    | 0.0   |
| Persian . . . . .  | 650,399       | 6.7                    | 1.4   |
| Afrikaner . . . . .  | 394,356       | 4.1                    | 0.8   |
| <i>Total . . . . .</i>                                       | 1,047,039     | 10.8                   | 2.2   |
| <i>Ewes, ram and wethers:</i> Karakul . . . . .              | 12,385        | 0.1                    | 0.0   |
| Persian . . . . .  | 1,616,709     | 16.7                   | 3.3   |
| Afrikaner . . . . .  | 1,054,512     | 10.9                   | 2.2   |
| <i>Total . . . . .</i>                                       | 2,683,606     | 27.7                   | 5.5   |
| <i>Total sheep not for wool owned by Europeans . . . . .</i> | 3,730,626     | 38.5                   | 7.7   |
| Owned by natives on European holdings . . . . .              | 204,621       | 2.1                    | 0.4   |
| Owned by natives on reserves . . . . .                       | 510,941       | —                      | 1.1   |
| <i>Total sheep not for wool . . . . .</i>                    | 7,465,788     | —                      | 15.7  |
| <i>Total sheep . . . . .</i>                                 | 48,588,349    | —                      | 100.0   |
| <b>ANGORA GOATS:</b>   |               |                        |   |
| Owned by Europeans:  |               |                        |   |
| Kids . . . . .   | 145,222       | 3.6                    | 4.3   |
| Goats . . . . .  | 1,229,112     | 12.7                   | 15.5  |
| <i>Total . . . . .</i>                                       | 1,574,334     | 16.3                   | 19.8  |
| Owned by natives on European holdings . . . . .              | 86,986        | 0.9                    | 1.1   |
| Owned by natives on reserves . . . . .                       | 150,471       | —                      | 1.7   |
| <i>Total Angora goats . . . . .</i>                          | 1,806,771     | —                      | 22.6  |
| <b>OTHER GOATS:</b>  |               |                        |   |
| Owned by Europeans . . . . .                                 | 2,076,480     | 21.4                   | 26.1  |
| Owned by natives on European holdings . . . . .              | 997,724       | 10.3                   | 12.6  |
| Owned by natives on reserves . . . . .                       | 3,079,428     | —                      | 38.7  |
| <i>Total other goats . . . . .</i>                           | 6,153,632     | —                      | 77.4  |
| <i>Total goats . . . . .</i>                                 | 7,954,403     | —                      | 100.0   |

 17. — LIVESTOCK PRODUCTS FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930  
 (Excluding urban areas).

| SPECIFICATION                                      | Unit<br>of measure | Quantity  |
|--|--------------------|-----------|
| <b>Dairy products obtained by Europeans (1):</b>   |                    |           |
| Milk sold . . . . .                                | 1,000 Imp. gallons | 27,303    |
| Butter made on farms . . . . .                     | 1,000 lb.          | 11,266    |
| Cheese made on farms . . . . .                     | "                  | 446       |
| Butterfat sold . . . . .                           | "                  | 13,629    |
| <b>Wool (greasy):</b>                              |                    |           |
| Obtained by Europeans (2) . . . . .                | "                  | 232,637   |
| Obtained by natives on European holdings . . . . . | "                  | 1,373     |
| Obtained by natives on reserves . . . . .          | "                  | 15,432    |
| <i>Total . . . . .</i>                             | "                  | 249,442   |
| <b>Mutton:</b>                                     |                    |           |
| Obtained by Europeans (2) . . . . .                | "                  | 6,470     |
| Obtained by natives on European holdings . . . . . | "                  | 173       |
| Obtained by natives on reserves . . . . .          | "                  | 376       |
| <i>Total . . . . .</i>                             | "                  | 7,019     |
| <b>OSTACHE FEATHERS:</b>                           |                    |           |
| Obtained by Europeans . . . . .                    | "                  | 19        |
| <b>HONEY:</b>                                      |                    |           |
| Obtained by Europeans . . . . .                    | "                  | 861       |
| <b>BACON AND HAM (cured):</b>                      |                    |           |
| Obtained by Europeans . . . . .                    | "                  | 1,218     |
| <b>SOAP:</b>                                       |                    |           |
| Made by Europeans . . . . .                        | "                  | 3,967     |
| <b>HIDES (salt):</b>                               |                    |           |
| Obtained by Europeans . . . . .                    | number             | 127,253   |
| Obtained by natives on European holdings . . . . . | "                  | 30,817    |
| Obtained by natives on reserves . . . . .          | "                  | 274,620   |
| <i>Total . . . . .</i>                             | "                  | 432,690   |
| <b>Skins (salt):</b>                               |                    |           |
| Obtained by Europeans . . . . .                    | "                  | 3,559,456 |
| Obtained by natives on European holdings . . . . . | "                  | 91,545    |
| Obtained by natives on reserves . . . . .          | "                  | 954,453   |
| <i>Total . . . . .</i>                             | "                  | 4,605,454 |

(1) For the number of cows milked, see Table 14. — (2) See Table 16.

18. — SHEEP AND ANGORA GOATS, OWNED BY EUROPEANS,  
SHORN FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930 (Excluding urban areas).

| DESCRIPTION                             | ANIMALS SHORN |                     |                         | PRODUCTION |
|---|---------------|---------------------|-------------------------|------------|
|   | Absolute data | Average per holding | Percentage of the total |            |
|   | number        | number              | %                       |            |
| SHEEP FOR WOOL:                         |               |                     |                         |            |
| Laine Merino . . . . .                  | 3,968,787     | 40.9                | 11.4                    | 13,471     |
| Other . . . . .                         | 57,281        | 0.4                 | 0.1                     | 85         |
| Total . . . . .                         | 4,026,068     | 41.3                | 11.5                    | 13,556     |
| Ewes, rams and wethers Merino:          |               |                     |                         |            |
| Other . . . . .                         | 50,804,457    | 313.4               | 87.0                    | 217,417    |
| Other . . . . .                         | 532,926       | 5.5                 | 1.5                     | 1,664      |
| Total . . . . .                         | 50,917,383    | 318.9               | 88.5                    | 219,081    |
| General total . . . . .                 | 34,923,371    | 360.2               | 100.0                   | 232,637    |
| Mohair                                  |               |                     |                         |            |
| ANGORA GOATS (including kids) . . . . . | 1,361,236     | 14.0                | —                       | 6,470      |

19. — ANIMALS, OWNED BY EUROPEANS, SOLD FOR SLAUGHTER, OR SLAUGHTERED,  
FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930 (Excluding urban areas).

| DESCRIPTION   | Absolute data                       | Average per holding | Percentage of total for each category |
|---|-------------------------------------|---------------------|---------------------------------------|
|   | number                              | number              | %                                     |
|   | Cattle sold for slaughter . . . . . | 409,452             | 4.2                                   |
| Cattle slaughtered on farms for consumption . . . . . | 62,601                              | 0.6                 | 13.3                                  |
| Total . . . . .                                       | 472,053                             | 4.8                 | 100.0                                 |
| Sheep sold for slaughter . . . . .                    | 2,977,278                           | 30.7                | 58.5                                  |
| Sheep slaughtered on farms for consumption . . . . .  | 2,113,682                           | 21.8                | 41.5                                  |
| Total . . . . .                                       | 5,090,960                           | 52.5                | 100.0                                 |
| Pigs sold for slaughter . . . . .                     | 208,390                             | 2.1                 | 62.8                                  |
| Pigs slaughtered on farms for consumption . . . . .   | 123,664                             | 1.3                 | 37.2                                  |
| Total . . . . .                                       | 332,054                             | 3.4                 | 100.0                                 |

20. — ANIMAL LOSSES FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930  
(Excluding urban areas).

| SPECIFICATION  | Absolute data                       | Average per holding | Percentage of total for each category |
|--|-------------------------------------|---------------------|---------------------------------------|
|  | number                              | number              | %                                     |
|  | HORSES AND MULES DIED FROM DISEASE: |                     |                                       |
| Owned by Europeans . . . . .                             | 19,340                              | 0.2                 | 36.8                                  |
| Owned by natives on European holdings . . . . .          | 12,220                              | 0.1                 | 23.5                                  |
| Owned by natives on reserves . . . . .                   | 20,945                              | —                   | 39.9                                  |
| Total . . . . .  | 52,505                              | —                   | 100.0                                 |
| CATTLE DIED FROM DISEASE, DROUGHT AND EXPOSURE:          |                                     |                     |                                       |
| Owned by Europeans . . . . .                             | 242,372                             | 2.5                 | 47.4                                  |
| Owned by natives on European holdings . . . . .          | 67,381                              | 0.7                 | 13.2                                  |
| Owned by natives on reserves . . . . .                   | 201,297                             | —                   | 39.4                                  |
| Total . . . . .  | 511,050                             | —                   | 100.0                                 |
| SHEEP AND GOATS DIED FROM DISEASE, DROUGHT AND EXPOSURE: |                                     |                     |                                       |
| Owned by Europeans . . . . .                             | 3,225,456                           | 33.3                | 78.6                                  |
| Owned by natives on European holdings . . . . .          | 122,307                             | 1.3                 | 3.0                                   |
| Owned by natives on reserves . . . . .                   | 756,343                             | —                   | 18.4                                  |
| Total . . . . .  | 4,104,106                           | —                   | 100.0                                 |
| SHEEP AND GOATS KILLED BY VERMIN OR HUNTING:             |                                     |                     |                                       |
| Owned by Europeans . . . . .                             | 471,347                             | 4.9                 | —                                     |
| PIGS DIED FROM DISEASE:                                  |                                     |                     |                                       |
| Owned by Europeans . . . . .                             | 18,762                              | 0.2                 | 77.8                                  |
| Owned by natives on European holdings . . . . .          | 3,236                               | 0.0                 | 13.4                                  |
| Owned by natives on reserves . . . . .                   | 2,114                               | —                   | 8.8                                   |
| Total . . . . .  | 24,112                              | —                   | 100.0                                 |

21. — PERSONS, INCLUDING OCCUPIERS, REGULARLY EMPLOYED IN FARM WORK  
ON EUROPEAN HOLDINGS ON 31 AUGUST 1930.

| CLASSIFICATION           | Sex     |         | Total         |                     |                         |
|--------------------------|---------|---------|---------------|---------------------|-------------------------|
|                          | Male    | Female  | Absolute data | Average per holding | Percentage of the total |
|                          | number  | number  | number        | number              | %                       |
| Europeans . . . . .      | 149,363 | 35,448  | 184,811       | 1.9                 | 24.7                    |
| Indians . . . . .        | 12,544  | 2,320   | 14,864        | 0.2                 | 2.0                     |
| Natives . . . . .        | 361,269 | 114,640 | 475,909       | 4.9                 | 63.5                    |
| Other coloured . . . . . | 59,154  | 14,459  | 73,613        | 0.7                 | 9.8                     |
| Total . . . . .          | 582,330 | 166,867 | 749,197       | 7.7                 | 100.0                   |

*B* — DETAILS ACCORDING  
TO PROVINCES

## 22. — NUMBER OF EUROPEAN HOLDINGS ACCORDING TO SIZE.

| CLASSIFICATION                   | Provinces      |                 |                     |                                | Union<br>number |
|----------------------------------|----------------|-----------------|---------------------|--------------------------------|-----------------|
|                                  | Cape<br>number | Natal<br>number | Transvaal<br>number | Orange<br>Free State<br>number |                 |
| Under 5 morgen . . . . .         | 1,132          | 1,559           | 851                 | 145                            | 3,687           |
| 5 to 20 morgen . . . . .         | 3,604          | 1,413           | 2,380               | 893                            | 8,210           |
| 21 to 100 morgen . . . . .       | 3,397          | 905             | 3,560               | 1,116                          | 8,976           |
| 101 to 500 morgen . . . . .      | 7,278          | 2,945           | 11,434              | 8,677                          | 30,334          |
| 501 to 1,000 morgen . . . . .    | 8,176          | 2,047           | 5,572               | 5,738                          | 19,533          |
| 1,001 to 2,000 morgen . . . . .  | 5,811          | 1,134           | 3,251               | 3,046                          | 13,252          |
| 2,001 to 3,000 morgen . . . . .  | 2,688          | 230             | 944                 | 612                            | 4,474           |
| 3,001 to 5,000 morgen . . . . .  | 2,657          | 93              | 562                 | 259                            | 3,571           |
| 5,001 to 10,000 morgen . . . . . | 1,877          | 22              | 111                 | 68                             | 2,078           |
| 10,001 morgen and over . . . . . | 786            | 7               | 34                  | 5                              | 832             |
| Undivided farms . . . . .        | 1,232          | 61              | 651                 | 47                             | 1,991           |
| Total . . . . .                  | 36,870         | 10,414          | 29,270              | 20,606                         | 96,960          |

## 23. — AREA OF EUROPEAN HOLDINGS ACCORDING TO SIZE.

| CLASSIFICATION                   | Provinces     |                |                    |                               | Union<br>acres |
|----------------------------------|---------------|----------------|--------------------|-------------------------------|----------------|
|                                  | Cape<br>acres | Natal<br>acres | Transvaal<br>acres | Orange<br>Free State<br>acres |                |
| Under 5 morgen . . . . .         | 6,059         | 7,349          | 4,282              | 806                           | 18,596         |
| 5 to 20 morgen . . . . .         | 76,633        | 27,041         | 56,529             | 17,266                        | 177,489        |
| 21 to 100 morgen . . . . .       | 377,004       | 101,149        | 455,531            | 151,940                       | 1,085,624      |
| 101 to 500 morgen . . . . .      | 4,632,740     | 1,889,519      | 7,016,420          | 5,716,308                     | 19,254,985     |
| 501 to 1,000 morgen . . . . .    | 9,680,601     | 3,162,740      | 8,599,831          | 8,920,840                     | 30,569,012     |
| 1,001 to 2,000 morgen . . . . .  | 18,113,992    | 3,411,231      | 9,779,707          | 9,613,928                     | 40,518,858     |
| 2,001 to 3,000 morgen . . . . .  | 14,436,320    | 1,179,528      | 4,995,153          | 3,142,838                     | 23,753,839     |
| 3,001 to 5,000 morgen . . . . .  | 22,112,751    | 731,779        | 4,430,958          | 2,061,977                     | 29,337,465     |
| 5,001 to 10,000 morgen . . . . . | 27,791,848    | 299,830        | 1,555,447          | 921,464                       | 30,568,589     |
| 10,001 morgen and over . . . . . | 27,450,602    | 230,382        | 1,713,095          | 135,911                       | 29,529,985     |
| Undivided farms . . . . .        | (1)           | (1)            | (1)                | (1)                           | (1)            |
| Total . . . . .                  | 124,878,560   | 11,045,568     | 38,606,951         | 30,083,276                    | 204,614,355    |

(1) Area included in the preceding categories.

## 24. — NUMBER OF EUROPEAN HOLDINGS ACCORDING TO TENURE.

| CLASSIFICATION                               | PROVINCES |        |           |                   | UNION  |
|--|-----------|--------|-----------|-------------------|--------|
|  | Cape      | Natal  | Transvaal | Orange Free State |        |
|  | number    | number | number    | number            |        |
| Holdings farmed by owners . . . . .          | 24,560    | 6,556  | 19,833    | 14,557            | 65,506 |
| Holdings leased by owners . . . . .          | 3,001     | 2,640  | 5,671     | 2,933             | 19,965 |
| Holdings occupied on share system . . . . .  | 1,612     | 296    | 2,260     | 1,716             | 5,884  |
| Holdings managed for other persons . . . . . | 2,477     | 722    | 1,706     | 1,380             | 6,285  |
| Total . . . . .                              | 36,650    | 10,614 | 29,270    | 20,606            | 96,540 |

## 25. — AREA OF EUROPEAN HOLDINGS ACCORDING TO TENURE.

| CLASSIFICATION                               | PROVINCES   |            |            |                   | UNION       |
|--|-------------|------------|------------|-------------------|-------------|
|  | Cape        | Natal      | Transvaal  | Orange Free State |             |
|  | acres       | acres      | acres      | acres             |             |
| Holdings farmed by owners . . . . .          | 67,077,535  | 7,759,828  | 23,886,861 | 21,796,645        | 140,520,869 |
| Holdings leased by owners . . . . .          | 22,779,467  | 1,354,301  | 6,286,184  | 3,316,297         | 33,736,149  |
| Holdings occupied on share system . . . . .  | 3,863,183   | 459,385    | 2,728,951  | 2,174,690         | 9,226,209   |
| Holdings managed for other persons . . . . . | 11,158,435  | 1,472,656  | 5,704,955  | 2,795,644         | 21,131,690  |
| Total . . . . .                              | 124,878,560 | 11,045,568 | 38,606,951 | 30,083,276        | 204,614,345 |

## 26. — LAND UTILIZATION ON EUROPEAN HOLDINGS.

| CLASSIFICATION                    | PROVINCES   |            |            |                   | UNION       |
|-----------------------------------|-------------|------------|------------|-------------------|-------------|
|                                   | Cape        | Natal      | Transvaal  | Orange Free State |             |
|                                   | acres       | acres      | acres      | acres             |             |
| Arable land . . . . .             | 2,913,532   | 1,057,774  | 3,841,603  | 4,111,821         | 11,924,730  |
| Fruit, vines and tea . . . . .    | 193,695     | 34,162     | 92,181     | 48,095            | 368,133     |
| Other crops . . . . .             | 21,545      | 16,530     | 20,401     | 5,755             | 64,231      |
| Total agricultural land . . . . . | 3,128,772   | 1,108,466  | 3,954,185  | 4,165,671         | 12,357,040  |
| Forests . . . . .                 | 79,766      | 390,889    | 234,483    | 59,420            | 764,558     |
| Other land (1) . . . . .          | 121,670,682 | 9,546,222  | 34,418,285 | 25,858,185        | 191,493,374 |
| General total . . . . .           | 124,878,560 | 11,045,568 | 38,606,951 | 30,083,276        | 204,614,345 |

(1) Includes the land cultivated by natives residing on European holdings.

## 27. — UTILIZATION OF ARABLE LAND ON EUROPEAN HOLDINGS.

| CLASSIFICATION  | PROVINCES   |             |               |                   | UNION         |
|---|-------------|-------------|---------------|-------------------|---------------|
|   | Cape        | Natal       | Transvaal     | Orange Free State |               |
|   | acres       | acres       | acres         | acres             |               |
| <b>CEREALS CUT FOR GRAIN:</b>                                       |             |             |               |                   |               |
| Wheat . . . . .   | (1) 704,965 | (1) 993     | (1) 103,660   | (1) 274,807       | (1) 1,884,445 |
| Oats . . . . .  | (1) 433,147 | (1) 5,170   | (1) 55,346    | (1) 195,078       | (1) 680,741   |
| Barley . . . . .  | (1) 89,444  | (1) 470     | (1) 9,113     | (1) 10,880        | (1) 109,907   |
| Rye . . . . .   | (1) 110,389 | (1) 937     | (1) 5,696     | (1) 31,959        | (1) 148,981   |
| Millet (Mama) . . . . .   | (1) 1,615   | (1) 1,285   | (1) 8,891     | (1) 18,161        | (1) 28,082    |
| Maze (Mashe) . . . . .  | (1) 294,358 | (1) 429,945 | (1) 2,607,467 | (1) 2,876,314     | (1) 6,198,104 |
| Sorghum (Kaffir corn) . . . . .                                     | (1) 18,779  | (1) 15,995  | (1) 134,217   | (1) 46,296        | (1) 215,276   |
| Total . . . . .   | 1,642,768   | 454,793     | 2,922,430     | 3,457,495         | 8,471,485     |
| <b>LEGUMINOUS PLANTS FOR GRAIN:</b>                                 |             |             |               |                   |               |
| Beans . . . . .   | 30,476      | 13,455      | 54,530        | 9,788             | 108,249       |
| Pean . . . . .  | 7,616       | 3,275       | 2,605         | 1,690             | 15,186        |
| Total . . . . .   | 38,092      | 16,730      | 57,135        | 11,478            | 123,435       |
| <b>TREE CROPS FOR FOOD OR FODDER:</b>                               |             |             |               |                   |               |
| Potatoes . . . . .  | 24,283      | 8,381       | 28,510        | 24,036            | 85,210        |
| Sweet potatoes . . . . .  | 12,788      | 3,027       | 5,170         | 390               | 21,375        |
| Total . . . . .   | 37,071      | 11,408      | 33,680        | 24,426            | 106,585       |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR BAY AND FODDER:</b> |             |             |               |                   |               |
| Tall grass . . . . .  | 9,931       | 11,646      | 153,425       | 111,337           | 286,339       |
| Other cultivated grasses . . . . .                                  | 6,689       | 13,102      | 7,359         | 1,920             | 29,070        |
| Alfalfa cut for hay . . . . .                                       | (2) 157,189 | (2) 3,254   | (2) 12,412    | (2) 24,946        | (2) 197,801   |
| Oats cut for fodder . . . . .                                       | (3)         | (3)         | (3)           | (3)               | (3)           |
| Barley cut for fodder . . . . .                                     | (3)         | (3)         | (3)           | (3)               | (3)           |
| Millet cut for fodder . . . . .                                     | (3)         | (3)         | (3)           | (3)               | (3)           |
| Wheat fed off by stock . . . . .                                    | 42,414      | 361         | 4,221         | 20,090            | 67,086        |
| Oats fed off by stock . . . . .                                     | 106,118     | 44,022      | 56,237        | 122,811           | 329,188       |
| Barley fed off by stock . . . . .                                   | 28,697      | 1,584       | 18,338        | 17,779            | 66,398        |
| Rye fed off by stock . . . . .                                      | 29,366      | 5,745       | 12,395        | 76,671            | 124,175       |
| Maze fed off by stock . . . . .                                     | 26,339      | 25,102      | 83,612        | 65,612            | 190,665       |
| Total . . . . .   | 406,743     | 102,814     | 347,977       | 441,166           | 1,298,700     |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                               |             |             |               |                   |               |
| Sugar-cane harvested . . . . .                                      | —           | 134,857     | —             | —                 | 134,857       |
| not harvested . . . . .   | —           | 175,061     | —             | —                 | 175,061       |
| Total sugar-cane . . . . .  | —           | 309,918     | —             | —                 | 309,918       |
| Coffee . . . . .  | 2,832       | 14,537      | 18,701        | 5                 | 35,935        |
| Seed, cultivated . . . . .  | 7           | 843         | 7             | —                 | 857           |
| Groundnuts . . . . .  | 193         | 2,623       | 26,110        | 390               | 29,316        |
| Sunflower seed . . . . .  | 629         | 1,154       | 8,557         | 1,364             | 11,694        |
| Tobacco: Turkish . . . . .  | 2,758       | —           | —             | —                 | 2,758         |
| Other . . . . .   | 5,523       | 1,435       | 11,992        | 903               | 19,341        |
| Total tobacco . . . . .   | 8,281       | 1,435       | 11,992        | 903               | 22,601        |
| Chicory root . . . . .  | 1,717       | 128         | 10            | —                 | 1,855         |
| Total . . . . .   | 13,419      | 330,635     | 65,437        | 2,152             | 411,643       |
| <b>VEGETABLES:</b>  |             |             |               |                   |               |
| Onions . . . . .  | 3,356       | 151         | 1,097         | 289               | 4,893         |
| <b>CROPS GROWN FOR SEED:</b>  |             |             |               |                   |               |
| Alfalfa . . . . .   | (4)         | (4)         | (4)           | (4)               | (4)           |
| <b>BARRE FALLOW:</b>  |             |             |               |                   |               |
| General total . . . . .   | 2,913,532   | 1,057,774   | 3,841,603     | 4,111,821         | 11,924,730    |

(1) Including area cut for fodder. — (2) Including the area of alfalfa grown for seed. — (3) Area included in the data for the corresponding cereal see note (1). — (4) Area included in "alfalfa cut for hay"; see note (2).

## 28. — PRODUCTION FROM ARABLE LAND ON EUROPEAN HOLDINGS.

| CLASSIFICATION  | PROVINCES |           |           |                   | UNION     |
|---|-----------|-----------|-----------|-------------------|-----------|
|   | Cape      | Natal     | Transvaal | Orange Free State |           |
|   | 1,000 lb. | 1,000 lb. | 1,000 lb. | 1,000 lb.         |           |
| <b>CEREALS CUT FOR GRAIN:</b>                                       |           |           |           |                   |           |
| Wheat . . . . .   | 482,680   | 546       | 59,235    | 114,671           | 657,532   |
| Oats . . . . .  | 223,045   | 1,833     | 15,165    | 61,396            | 301,439   |
| Barley . . . . .  | 98,537    | 80        | 4,942     | 2,077             | 105,636   |
| Rye . . . . .   | 59,973    | 424       | 2,019     | 18,864            | 80,480    |
| Millet (Manna) . . . . .  | 80        | 45        | 1,075     | 652               | 1,852     |
| Maize (Mealies) . . . . .   | 163,949   | 333,770   | 1,599,094 | 1,335,325         | 3,452,138 |
| Sorghum (Kaffir corn) . . . . .                                     | 5,680     | 6,881     | 46,949    | 19,570            | 78,180    |
| <b>LEGUMINOUS PLANTS FOR GRAIN:</b>                                 |           |           |           |                   |           |
| Beans . . . . .   | 16,128    | 4,385     | 16,250    | 1,902             | 38,395    |
| Pean . . . . .  | 4,237     | 629       | 1,009     | 382               | 6,357     |
| <b>TUBER CROPS FOR FOOD OR FEEDER:</b>                              |           |           |           |                   |           |
| Potatoes . . . . .  | 81,037    | 43,512    | 130,464   | 91,298            | 346,311   |
| Sweet potatoes . . . . .  | 54,429    | 13,291    | 16,467    | 601               | 84,788    |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FEEDER:</b> |           |           |           |                   |           |
| Teff grass . . . . .  | 22,282    | 22,826    | 185,796   | 137,912           | 368,816   |
| Alfalfa cut for hay . . . . .                                       | 517,090   | 14,960    | 39,800    | 50,996            | 622,846   |
| Oats cut for fodder . . . . .                                       | 234,976   | 20,824    | 57,508    | 162,804           | 476,112   |
| Barley cut for fodder . . . . .                                     | 21,598    | 524       | 4,458     | 1,244             | 27,824    |
| Millet cut for fodder . . . . .                                     | 4,904     | 3,684     | 16,726    | 16,402            | 41,716    |
| Enilage made . . . . .  | 56,424    | 76,752    | 85,464    | 25,758            | 244,398   |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                               |           |           |           |                   |           |
| Sugar-cane . . . . .  | —         | 5,595,776 | —         | —                 | 5,595,776 |
| Cotton, raw . . . . .   | 4,703     | 3,802     | 7,798     | 4                 | 16,307    |
| Groundnuts . . . . .  | 90        | 1,526     | 18,216    | 143               | 19,975    |
| Sunflower seed . . . . .  | 163       | 448       | 2,597     | 424               | 3,632     |
| Tobacco: Turkish . . . . .  | 1,373     | —         | —         | —                 | 1,373     |
| Other . . . . .   | 3,805     | 646       | 6,175     | 272               | 10,998    |
| Chicory root . . . . .  | 3,314     | 3         | 4         | —                 | 3,321     |
| <b>VEGETABLES:</b>  |           |           |           |                   |           |
| Onions . . . . .  | 26,184    | 600       | 4,841     | 934               | 32,559    |
| <b>CROPS GROWN FOR SEED:</b>  |           |           |           |                   |           |
| Alfalfa . . . . .   | 2,145     | —         | 2         | 2                 | 2,149     |

## 29. — UNIT-YIELD OF ARABLE LAND ON EUROPEAN HOLDINGS.

| CLASSIFICATION                         | PROVINCES    |              |              |                   | UNION  |
|--|--------------|--------------|--------------|-------------------|--------|
|  | Cape         | Natal        | Transvaal    | Orange Free State |        |
|  | lb. per acre | lb. per acre | lb. per acre | lb. per acre      |        |
| <b>CEREALS CUT FOR GRAIN:</b>          |              |              |              |                   |        |
| Wheat . . . . .                        | 657          | 351          | 571          | 418               | 588    |
| Rye . . . . .                          | 548          | 455          | 354          | 585               | 540    |
| Maize (Mealies) . . . . .              | 577          | 776          | 613          | 471               | 557    |
| Sorghum (Kaffir corn) . . . . .        | 368          | 499          | 343          | 426               | 363    |
| <b>LEGUMINOUS PLANTS FOR GRAIN:</b>    |              |              |              |                   |        |
| Beans . . . . .                        | 529          | 326          | 290          | 194               | 358    |
| Pean . . . . .                         | 562          | 493          | 387          | 226               | 478    |
| <b>TUBER CROPS FOR FOOD OR FEEDER:</b> |              |              |              |                   |        |
| Potatoes . . . . .                     | 3,337        | 4,890        | 4,421        | 3,798             | 3,994  |
| Sweet potatoes . . . . .               | 4,256        | 4,391        | 3,185        | 1,541             | 3,067  |
| <b>CULTIVATED GRASSES:</b>             |              |              |              |                   |        |
| Teff grass . . . . .                   | 2,244        | 1,860        | 1,211        | 1,185             | 1,267  |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>  |              |              |              |                   |        |
| Sugar-cane . . . . .                   | —            | 41,494       | —            | —                 | 41,494 |
| Cotton, raw . . . . .                  | 1,787        | 262          | 416          | 800               | 454    |
| Groundnuts . . . . .                   | 588          | 582          | 698          | 367               | 682    |
| Sunflower seed . . . . .               | 261          | 387          | 300          | 311               | 310    |
| Tobacco: Turkish . . . . .             | 498          | —            | —            | —                 | 498    |
| Other . . . . .                        | 689          | 451          | 515          | 692               | 563    |
| Chicory root . . . . .                 | 1,930        | 23           | 400          | —                 | 1,790  |
| <b>VEGETABLES:</b>                     |              |              |              |                   |        |
| Onions . . . . .                       | 2,802        | 3,974        | 4,413        | 3,232             | 6,654  |

## 30. — MAIZE AND SORGHUM GROWN BY NATIVES.

| CLASSIFICATION                                      | PROVINCES |           |           |                   | UNION   |
|---|-----------|-----------|-----------|-------------------|---------|
|   | Cape      | Natal     | Transvaal | Orange Free State |         |
|   | 1,000 lb. | 1,000 lb. | 1,000 lb. | 1,000 lb.         |         |
| <b>CROPS GROWN BY NATIVES ON EUROPEAN HOLDINGS:</b> |           |           |           |                   |         |
| Maize (Mealies) . . . . .                           | 9,991     | 42,614    | 160,586   | 93,544            | 306,735 |
| Sorghum (Kaffir corn) . . . . .                     | 1,350     | 13,417    | 47,400    | 24,352            | 86,559  |
| <b>CROPS GROWN BY NATIVES ON RESERVES:</b>          |           |           |           |                   |         |
| Maize (Mealies) . . . . .                           | 437,372   | 176,495   | 101,680   | 2,704             | 718,251 |
| Sorghum (Kaffir corn) . . . . .                     | 50,065    | 50,095    | 67,842    | 1,232             | 189,142 |

31. — FRUIT, VINES AND TEA  
ON EUROPEAN HOLDINGS ON 31 AUGUST 1930.

| CLASSIFICATION   | PROVINCES       |                 |                 |                   | UNION           |
|--|-----------------|-----------------|-----------------|-------------------|-----------------|
|  | Cape            | Natal           | Transvaal       | Orange Free State |                 |
|  | acres           | acres           | acres           | acres             | acres           |
| <b>FRUIT CROPS:</b>  |                 |                 |                 |                   |                 |
| Orchards . . . . .   | 112,509         | 14,271          | 91,250          | 47,556            | 265,586         |
| Pineapples . . . . .   | 6,941           | 3,672           | 128             | 12                | 10,953          |
| Bananas . . . . .  | 979             | 11,965          | 151             | 15                | 13,110          |
| <b>VINES (1)</b> . . . . .                                   | 72,606          | 1,231           | 652             | 512               | 75,001          |
| <b>TEA</b> . . . . .   | —               | 2,623           | —               | —                 | 2,623           |
| <b>Total</b> . . . . .                                       | 193,035         | 34,162          | 92,181          | 48,095            | 367,473         |
| <b>FRUIT TREES (the product of which is grown for sale):</b> |                 |                 |                 |                   |                 |
| <b>Almonds:</b>  | number of trees | number of trees | number of trees | number of trees   | number of trees |
| in bearing . . . . .   | 198,580         | 720             | 34,500          | 13,070            | 247,010         |
| not in bearing . . . . .                                     | 147,200         | 7,530           | 43,050          | 13,500            | 211,280         |
| <b>Apples</b>  |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 846,630         | 48,120          | 484,770         | 179,290           | 1,558,810       |
| not in bearing . . . . .                                     | 654,640         | 15,140          | 143,540         | 92,340            | 905,560         |
| <b>Apricots:</b>   |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 1,461,270       | 5,800           | 114,750         | 54,360            | 1,636,180       |
| not in bearing . . . . .                                     | 524,390         | 1,080           | 19,870          | 9,290             | 554,530         |
| <b>Citrus fruits:</b>  |                 |                 |                 |                   |                 |
| <b>Lemons:</b>   |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 42,570          | 19,090          | 67,720          | 290               | 149,670         |
| not in bearing . . . . .                                     | 14,390          | 9,510           | 23,290          | 90                | 47,220          |
| <b>Mandarins (Narinesh)</b>                                  |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 50,620          | 105,450         | 57,200          | 170               | 213,440         |
| not in bearing . . . . .                                     | 10,900          | 37,600          | 10,170          | 50                | 58,620          |
| <b>Oranges:</b>  |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 922,550         | 161,240         | 1,990,880       | 3,490             | 3,126,160       |
| not in bearing . . . . .                                     | 376,620         | 44,430          | 334,200         | 540               | 755,190         |
| <b>Grapefruit:</b>   |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 91,170          | 2,190           | 52,060          | 200               | 145,620         |
| not in bearing . . . . .                                     | 54,830          | 2,920           | 40,560          | 150               | 98,460          |
| <b>Figs:</b>   |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 148,020         | 6,790           | 80,790          | 36,310            | 271,910         |
| not in bearing . . . . .                                     | 41,560          | 1,890           | 19,290          | 7,100             | 69,760          |
| <b>Mangoes:</b>  |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 90              | 41,860          | 139,060         | —                 | 181,010         |
| not in bearing . . . . .                                     | 260             | 5,590           | 43,060          | —                 | 48,910          |
| <b>Pawpaws:</b>  |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 13,920          | 25,850          | 442,270         | —                 | 482,040         |
| not in bearing . . . . .                                     | 4,140           | 7,230           | 148,250         | —                 | 159,620         |
| <b>Peaches:</b>  |                 |                 |                 |                   |                 |
| in bearing . . . . .   | 1,236,390       | 47,330          | 1,087,260       | 493,020           | 2,864,000       |
| not in bearing . . . . .                                     | 405,830         | 9,040           | 219,130         | 92,650            | 726,650         |

31. — FRUIT, VINES AND TEA  
ON EUROPEAN HOLDINGS ON 31 AUGUST 1930 (concluded).

| CLASSIFICATION                                    | PROVINCES       |                 |                 |                   | UNION           |
|---|-----------------|-----------------|-----------------|-------------------|-----------------|
|   | Cape            | Natal           | Transvaal       | Orange Free State |                 |
|   | number of trees | number of trees | number of trees | number of trees   | number of trees |
| <b>Nectarines:</b>                                |                 |                 |                 |                   |                 |
| in bearing . . . . .                              | 33,950          | 830             | 12,600          | 7,530             | 54,910          |
| not in bearing . . . . .                          | 16,130          | 190             | 4,080           | 1,110             | 21,510          |
| <b>Pears:</b>                                     |                 |                 |                 |                   |                 |
| in bearing . . . . .                              | 520,490         | 9,290           | 58,990          | 31,230            | 620,000         |
| not in bearing . . . . .                          | 337,530         | 1,510           | 39,140          | 11,560            | 389,740         |
| <b>Avocados:</b>                                  |                 |                 |                 |                   |                 |
| in bearing . . . . .                              | 250             | 9,710           | 7,040           | 10                | 17,010          |
| not in bearing . . . . .                          | 890             | 10,570          | 11,450          | —                 | 22,910          |
| <b>Plums:</b>                                     |                 |                 |                 |                   |                 |
| in bearing . . . . .                              | 513,660         | 29,930          | 123,390         | 23,790            | 690,770         |
| not in bearing . . . . .                          | 233,700         | 4,850           | 32,440          | 5,310             | 276,360         |
| <b>Plums for prunes:</b>                          |                 |                 |                 |                   |                 |
| in bearing . . . . .                              | 375,200         | 300             | 2,000           | 4,700             | 382,600         |
| not in bearing . . . . .                          | 27,570          | 80              | 1,000           | 410               | 29,060          |
| <b>Total fruit trees in bearing</b> . . . . .     | 6,505,580       | 514,510         | 4,776,170       | 847,520           | 12,643,780      |
| <b>Total fruit trees not in bearing</b> . . . . . | 2,849,940       | 159,100         | 1,133,440       | 233,940           | 4,376,420       |
| <b>Total fruit trees</b> . . . . .                | 9,422,500       | 673,610         | 5,909,610       | 1,081,460         | 17,020,180      |

(1) For the production of wine, brandy, etc., in the principal viticultural districts, see Table 8.

32. — DRIED FRUITS, PRODUCED ON EUROPEAN HOLDINGS,  
SOLD FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930.

| CLASSIFICATION                  | PROVINCES |           |           |                   | UNION     |
|---------------------------------|-----------|-----------|-----------|-------------------|-----------|
|                                 | Cape      | Natal     | Transvaal | Orange Free State |           |
|                                 | 1,000 lb. | 1,000 lb. | 1,000 lb. | 1,000 lb.         | 1,000 lb. |
| Raisins, on the stalk . . . . . | 552       | —         | —         | —                 | 552       |
| Raisins, loose . . . . .        | 5,450     | —         | 1         | 1                 | 5,452     |
| Sultanas . . . . .              | 3,000     | —         | —         | —                 | 3,000     |
| Currants . . . . .              | 616       | —         | —         | —                 | 616       |
| Dried vine grapes . . . . .     | 57        | —         | 1         | —                 | 58        |
| Apples . . . . .                | 196       | —         | 7         | 37                | 240       |
| Apricots . . . . .              | 2,741     | —         | 3         | 6                 | 2,750     |
| Figs . . . . .                  | 335       | —         | 1         | 2                 | 338       |
| Peaches . . . . .               | 2,495     | —         | 207       | 156               | 2,858     |
| Pears . . . . .                 | 446       | —         | 2         | 14                | 462       |
| Prunes and plums . . . . .      | 3,741     | —         | 1         | 9                 | 3,751     |



## 33. — AREA OF FORESTS ON 31 AUGUST 1930.

| CLASSIFICATION                           | PROVINCES      |                |                |                      | UNION<br>acres |
|--|----------------|----------------|----------------|----------------------|----------------|
|  | Cape           | Natal          | Transvaal      | Orange<br>Free State |                |
|  | acres          | acres          | acres          | acres                |                |
| <b>EUCALYPTUS:</b>                       |                |                |                |                      |                |
| On European holdings:                    |                |                |                |                      |                |
| 5 years and under . . . . .              | 5,177          | 7,445          | 37,493         | 13,269               | 63,384         |
| above 5 to 10 years . . . . .            | 4,940          | 5,829          | 33,110         | 9,709                | 53,588         |
| above 10 to 15 years . . . . .           | 2,686          | 3,156          | 13,223         | 7,216                | 26,281         |
| above 15 to 20 years . . . . .           | 991            | 934            | 5,763          | 3,326                | 11,014         |
| over 20 years . . . . .                  | 1,730          | 1,063          | 3,855          | 2,884                | 9,532          |
| <i>Total . . . . .</i>                   | <i>15,524</i>  | <i>18,427</i>  | <i>93,444</i>  | <i>38,406</i>        | <i>166,301</i> |
| On State plantations . . . . .           | 20,117         | 5,528          | 12,039         | 1,306                | 39,070         |
| On Municipal plantations . . . . .       | 1,018          | 1,203          | 4,374          | 418                  | 7,013          |
| On native plantations . . . . .          | 163            | 1,446          | 52             | 7                    | 1,668          |
| <i>Total eucalyptus . . . . .</i>        | <i>36,822</i>  | <i>26,604</i>  | <i>110,409</i> | <i>40,217</i>        | <i>314,052</i> |
| <b>CONIFERS:</b>                         |                |                |                |                      |                |
| On European holdings:                    |                |                |                |                      |                |
| 5 years and under . . . . .              | 7,826          | 689            | 13,445         | 1,433                | 23,393         |
| above 5 to 10 years . . . . .            | 8,839          | 576            | 2,264          | 996                  | 12,675         |
| above 10 to 15 years . . . . .           | 2,723          | 289            | 1,129          | 530                  | 4,680          |
| above 15 to 20 years . . . . .           | 825            | 94             | 311            | 704                  | 1,934          |
| over 20 years . . . . .                  | 1,680          | 126            | 69             | 2,254                | 4,130          |
| <i>Total . . . . .</i>                   | <i>21,903</i>  | <i>1,774</i>   | <i>17,218</i>  | <i>5,926</i>         | <i>46,821</i>  |
| On State plantations . . . . .           | 88,067         | 9,965          | 25,205         | 2,995                | 126,230        |
| On Municipal plantations . . . . .       | 1,001          | 3,440          | 321            | 54                   | 4,816          |
| On native plantations . . . . .          | 27             | 860            | —              | —                    | 887            |
| <i>Total conifers . . . . .</i>          | <i>110,998</i> | <i>16,037</i>  | <i>42,744</i>  | <i>8,975</i>         | <i>178,754</i> |
| <b>TAN WATTLE, BLACK:</b>                |                |                |                |                      |                |
| On European holdings:                    |                |                |                |                      |                |
| 5 years and under . . . . .              | 10,307         | 278,870        | 37,622         | 381                  | 367,379        |
| above 5 to 10 years . . . . .            | 5,051          | 65,180         | 16,396         | 252                  | 86,880         |
| above 10 to 15 years . . . . .           | 1,942          | 4,208          | 3,662          | 269                  | 10,081         |
| above 15 to 20 years . . . . .           | 899            | 1,258          | 818            | 133                  | 3,108          |
| over 20 years . . . . .                  | 477            | 1,438          | 1,334          | 67                   | 3,316          |
| <i>Total . . . . .</i>                   | <i>18,656</i>  | <i>350,954</i> | <i>100,032</i> | <i>1,102</i>         | <i>470,744</i> |
| On State plantations . . . . .           | 6,563          | 1,889          | 524            | 7                    | 8,983          |
| Municipal plantations . . . . .          | 1,952          | 1,409          | 867            | —                    | 4,228          |
| native plantations . . . . .             | 1,206          | 886            | —              | 2                    | 3,094          |
| <i>Total tan wattle, black . . . . .</i> | <i>28,377</i>  | <i>363,058</i> | <i>101,443</i> | <i>1,111</i>         | <i>483,989</i> |

## 33. — AREA OF FORESTS ON 31 AUGUST 1930 (concluded).

| CLASSIFICATION  | PROVINCES      |                |                |                      | UNION<br>acres |
|---|----------------|----------------|----------------|----------------------|----------------|
|   | Cape           | Natal          | Transvaal      | Orange<br>Free State |                |
|   | acres          | acres          | acres          | acres                |                |
| <b>TAN WATTLE, OTHER:</b>                               |                |                |                |                      |                |
| On European holdings:                                   |                |                |                |                      |                |
| 5 years and under . . . . .                             | 998            | 10,237         | 3,561          | 445                  | 15,241         |
| above 5 to 10 years . . . . .                           | 998            | 2,827          | 2,938          | 237                  | 7,000          |
| above 10 to 15 years . . . . .                          | 1,483          | 727            | 1,821          | 222                  | 4,253          |
| above 15 to 20 years . . . . .                          | 385            | 526            | 1,021          | 193                  | 2,125          |
| over 20 years . . . . .                                 | 259            | 642            | 1,238          | 171                  | 2,310          |
| <i>Total . . . . .</i>                                  | <i>4,121</i>   | <i>15,009</i>  | <i>10,579</i>  | <i>1,268</i>         | <i>30,977</i>  |
| On State plantations . . . . .                          | 1,489          | 22             | 128            | 7                    | 3,646          |
| On Municipal plantations . . . . .                      | 54             | 2,029          | 5              | —                    | 2,088          |
| On native plantations . . . . .                         | 86             | 217            | —              | 10                   | 313            |
| <i>Total tan wattle, other . . . . .</i>                | <i>7,750</i>   | <i>17,277</i>  | <i>10,712</i>  | <i>1,285</i>         | <i>37,024</i>  |
| <b>POPLARS:</b>   |                |                |                |                      |                |
| On European holdings:                                   |                |                |                |                      |                |
| 5 years and under . . . . .                             | 2,236          | 425            | 1,666          | 2,175                | 6,502          |
| above 5 to 10 years . . . . .                           | 820            | 180            | 820            | 902                  | 2,722          |
| above 10 to 15 years . . . . .                          | 793            | 106            | 583            | 563                  | 2,050          |
| above 15 to 20 years . . . . .                          | 729            | 383            | 389            | 568                  | 1,969          |
| over 20 years . . . . .                                 | 2,152          | 104            | 1,406          | 1,611                | 5,273          |
| <i>Total . . . . .</i>                                  | <i>6,730</i>   | <i>1,198</i>   | <i>4,769</i>   | <i>5,819</i>         | <i>18,516</i>  |
| On State plantations . . . . .                          | 724            | 175            | 104            | 5                    | 1,008          |
| On Municipal plantations . . . . .                      | 32             | —              | 35             | —                    | 67             |
| On native plantations . . . . .                         | —              | 62             | —              | 7                    | 69             |
| <i>Total poplars . . . . .</i>                          | <i>7,486</i>   | <i>1,455</i>   | <i>4,908</i>   | <i>5,831</i>         | <i>19,660</i>  |
| <b>OTHER SPECIES:</b>                                   |                |                |                |                      |                |
| On European holdings:                                   |                |                |                |                      |                |
| 5 years and under . . . . .                             | 3,052          | 1,389          | 3,143          | 2,434                | 10,018         |
| above 5 to 10 years . . . . .                           | 3,106          | 427            | 1,626          | 786                  | 5,945          |
| above 10 to 15 years . . . . .                          | 1,510          | 195            | 1,124          | 526                  | 3,355          |
| above 15 to 20 years . . . . .                          | 1,490          | 190            | 521            | 875                  | 3,076          |
| over 20 years . . . . .                                 | 3,074          | 1,317          | 1,527          | 2,278                | 8,196          |
| <i>Total . . . . .</i>                                  | <i>12,232</i>  | <i>3,518</i>   | <i>7,941</i>   | <i>6,899</i>         | <i>31,190</i>  |
| On State plantations . . . . .                          | 11,980         | 554            | 1,572          | 173                  | 14,281         |
| On Municipal plantations . . . . .                      | 467            | 2              | 509            | 15                   | 993            |
| On native plantations . . . . .                         | 15             | 91             | —              | —                    | 106            |
| <i>Total other species . . . . .</i>                    | <i>25,294</i>  | <i>4,167</i>   | <i>10,022</i>  | <i>7,087</i>         | <i>46,570</i>  |
| <i>Total forest area on European holdings . . . . .</i> | <i>79,766</i>  | <i>390,880</i> | <i>234,483</i> | <i>59,620</i>        | <i>764,549</i> |
| <i>Total State plantations . . . . .</i>                | <i>130,940</i> | <i>18,053</i>  | <i>39,572</i>  | <i>4,573</i>         | <i>193,138</i> |
| <i>Total Municipal plantations . . . . .</i>            | <i>4,524</i>   | <i>8,083</i>   | <i>6,131</i>   | <i>487</i>           | <i>19,225</i>  |
| <i>Total native plantations . . . . .</i>               | <i>1,497</i>   | <i>11,302</i>  | <i>52</i>      | <i>26</i>            | <i>13,157</i>  |
| <i>General total . . . . .</i>                          | <i>216,727</i> | <i>428,598</i> | <i>280,238</i> | <i>64,506</i>        | <i>990,069</i> |

## 34. — CHIEF FOREST PRODUCTS FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930.

| CLASSIFICATION                                   | PROVINCES                 |                           |                           |                           | UNION          |
|--|---------------------------|---------------------------|---------------------------|---------------------------|----------------|
|  | Cape                      | Natal                     | Transvaal                 | Orange Free State         |                |
|  | short tons<br>(2,000 lb.) | short tons<br>(2,000 lb.) | short tons<br>(2,000 lb.) | short tons<br>(2,000 lb.) |                |
| <b>FUEL AND CHARCOAL WOOD:</b>                   |                           |                           |                           |                           |                |
| From European holdings . . . . .                 | 45,551                    | 143,168                   | 50,454                    | 3,600                     | 242,773        |
| From State plantations . . . . .                 | 76,654                    | 4,647                     | 8,856                     | 4,440                     | 94,607         |
| From Municipal plantations . . . . .             | 4,051                     | 7,615                     | 1,718                     | —                         | 13,364         |
| From native plantations . . . . .                | 1,423                     | 602                       | —                         | —                         | 2,105          |
| <i>Total . . . . .</i>                           | <i>127,689</i>            | <i>155,512</i>            | <i>61,028</i>             | <i>8,040</i>              | <i>252,269</i> |
| <b>MINE WOOD:</b>                                |                           |                           |                           |                           |                |
| From European holdings . . . . .                 | 167                       | 74,142                    | 139,719                   | 500                       | 214,608        |
| From State plantations . . . . .                 | 1,352                     | 6,157                     | 7,895                     | —                         | 15,384         |
| From Municipal plantations . . . . .             | 200                       | 1,682                     | 5,842                     | —                         | 7,724          |
| From native plantations . . . . .                | —                         | 6,700                     | 200                       | —                         | 6,900          |
| <i>Total . . . . .</i>                           | <i>1,699</i>              | <i>88,681</i>             | <i>153,656</i>            | <i>500</i>                | <i>244,616</i> |
| <b>TIMBER FOR OTHER INDUSTRIAL PURPOSES (1):</b> |                           |                           |                           |                           |                |
| From European holdings . . . . .                 | 3,297                     | 3,646                     | 239                       | 145                       | 7,327          |
| From State plantations . . . . .                 | 6,063                     | 277                       | 3,122                     | 1,053                     | 10,515         |
| From Municipal plantations . . . . .             | —                         | —                         | 1,383                     | —                         | 1,383          |
| From native plantations . . . . .                | —                         | —                         | 151                       | —                         | 151            |
| <i>Total . . . . .</i>                           | <i>9,360</i>              | <i>3,923</i>              | <i>4,895</i>              | <i>1,198</i>              | <i>19,376</i>  |
| <b>TIMBER FOR NON-INDUSTRIAL PURPOSES (2):</b>   |                           |                           |                           |                           |                |
| From European holdings . . . . .                 | 7,602                     | 5,787                     | 8,300                     | 1,872                     | 23,561         |
| From State plantations . . . . .                 | 6,472                     | 817                       | 1,590                     | 6,169                     | 15,948         |
| From Municipal plantations . . . . .             | 106                       | 821                       | 237                       | —                         | 1,164          |
| From native plantations . . . . .                | 711                       | 1,700                     | 25                        | —                         | 2,436          |
| <i>Total . . . . .</i>                           | <i>14,891</i>             | <i>9,125</i>              | <i>10,252</i>             | <i>8,041</i>              | <i>42,289</i>  |
| <b>TAN BARK SOLD, GREEN:</b>                     |                           |                           |                           |                           |                |
| From European holdings . . . . .                 | 1,106                     | 49,794                    | 324                       | —                         | 51,224         |
| From State plantations . . . . .                 | 501                       | —                         | —                         | —                         | 501            |
| From Municipal plantations . . . . .             | 110                       | 1,348                     | —                         | —                         | 1,458          |
| From native plantations . . . . .                | —                         | —                         | —                         | —                         | —              |
| <i>Total . . . . .</i>                           | <i>1,717</i>              | <i>51,142</i>             | <i>324</i>                | <i>—</i>                  | <i>52,183</i>  |
| <b>TAN BARK SOLD, DRY:</b>                       |                           |                           |                           |                           |                |
| From European holdings . . . . .                 | 3,816                     | 181,068                   | 44,810                    | 30                        | 189,724        |
| From State plantations . . . . .                 | 1,472                     | 178                       | 40                        | —                         | 1,690          |
| From Municipal plantations . . . . .             | 19                        | 1,095                     | 234                       | —                         | 1,348          |
| From native plantations . . . . .                | 74                        | 250                       | —                         | —                         | 324            |
| <i>Total . . . . .</i>                           | <i>5,381</i>              | <i>182,591</i>            | <i>45,084</i>             | <i>30</i>                 | <i>191,086</i> |

(1) Saw timber, harbours and railway works (excluding railway sleepers and wagon wood), buildings, match factories, etc.  
(2) Fencing posts, fencing droppers, building spars, etc.

## 35. — POWER MACHINERY, AGRICULTURAL MACHINES AND IMPLEMENTS OWNED BY EUROPEANS ON 31 AUGUST 1930.

| CLASSIFICATION  | PROVINCES     |               |               |                   | UNION          |
|---|---------------|---------------|---------------|-------------------|----------------|
|   | Cape          | Natal         | Transvaal     | Orange Free State |                |
|   | number        | number        | number        | number            |                |
| <b>POWER MACHINERY:</b>                               |               |               |               |                   |                |
| Wind mills . . . . .                                  | 28,258        | 795           | 3,114         | 21,351            | 59,518         |
| Steam engines . . . . .                               | 520           | 168           | 552           | 407               | 1,647          |
| Gas and oil engines . . . . .                         | 3,427         | 1,544         | 1,817         | 1,297             | 8,085          |
| Tractors for ploughing . . . . .                      | 1,118         | 749           | 863           | 954               | 3,684          |
| Electric motors:                                      |               |               |               |                   |                |
| power generated on farms . . . . .                    | 562           | 201           | 207           | 211               | 1,181          |
| power derived from other sources . . . . .            | 124           | 30            | 73            | 27                | 254            |
| <i>Total electric motors . . . . .</i>                | <i>686</i>    | <i>231</i>    | <i>280</i>    | <i>238</i>        | <i>1,435</i>   |
| <b>MACHINERY AND IMPLEMENTS FOR WORKING THE SOIL:</b> |               |               |               |                   |                |
| <b>Ploughs: disc:</b>                                 |               |               |               |                   |                |
| Multiple-furrow ploughs . . . . .                     | 2,234         | 1,900         | 2,915         | 1,964             | 9,013          |
| Two-furrow ploughs . . . . .                          | 3,540         | 1,742         | 4,194         | 2,709             | 12,205         |
| Single-furrow ploughs . . . . .                       | 1,558         | 441           | 1,023         | 465               | 3,487          |
| <i>Total . . . . .</i>                                | <i>7,332</i>  | <i>4,083</i>  | <i>8,132</i>  | <i>5,218</i>      | <i>24,765</i>  |
| <b>other:</b>   |               |               |               |                   |                |
| Multiple-furrow ploughs . . . . .                     | 6,803         | 535           | 1,684         | 4,253             | 13,695         |
| Two-furrow ploughs . . . . .                          | 33,624        | 9,040         | 38,155        | 35,787            | 114,606        |
| Single-furrow ploughs . . . . .                       | 37,783        | 11,943        | 20,235        | 10,113            | 80,074         |
| <i>Total . . . . .</i>                                | <i>78,210</i> | <i>21,518</i> | <i>59,974</i> | <i>48,653</i>     | <i>208,373</i> |
| <i>Total ploughs . . . . .</i>                        | <i>85,542</i> | <i>25,601</i> | <i>68,126</i> | <i>53,871</i>     | <i>233,138</i> |
| <b>Cultivators . . . . .</b>                          | 19,944        | 20,129        | 44,952        | 32,492            | 117,517        |
| <b>Harrow: disc . . . . .</b>                         | 4,604         | 4,926         | 7,984         | 6,841             | 24,445         |
| <b>other . . . . .</b>                                | 26,771        | 7,888         | 31,594        | 21,531            | 87,784         |
| <i>Total harrows . . . . .</i>                        | <i>31,465</i> | <i>12,814</i> | <i>39,578</i> | <i>28,372</i>     | <i>112,229</i> |
| <b>MACHINE IMPLEMENTS . . . . .</b>                   | 2,742         | 5,303         | 7,727         | 3,754             | 18,506         |
| <b>SOWING MACHINES:</b>                               |               |               |               |                   |                |
| Maize planters . . . . .                              | 5,577         | 6,836         | 22,218        | 18,214            | 52,845         |
| Cotton planters . . . . .                             | 112           | 357           | 520           | 20                | 909            |
| <i>Total . . . . .</i>                                | <i>5,689</i>  | <i>7,193</i>  | <i>22,738</i> | <i>18,234</i>     | <i>53,754</i>  |
| <b>HARVESTING MACHINERY AND IMPLEMENTS:</b>           |               |               |               |                   |                |
| Mowers . . . . .                                      | 6,997         | 3,176         | 8,121         | 7,548             | 25,842         |
| Reapers and binders . . . . .                         | 7,506         | 123           | 945           | 1,658             | 10,232         |
| <i>Total . . . . .</i>                                | <i>14,503</i> | <i>3,299</i>  | <i>9,066</i>  | <i>9,206</i>      | <i>36,074</i>  |

35. — POWER MACHINERY, AGRICULTURAL MACHINES AND IMPLEMENTS OWNED BY EUROPEANS ON 31 AUGUST 1930 (concluded).

| CLASSIFICATION   | Provinces |        |           |                   | UNION  |
|--|-----------|--------|-----------|-------------------|--------|
|  | Cape      | Natal  | Transvaal | Orange Free State |        |
|  | number    | number | number    | number            | number |
| <b>MACHINERY AND IMPLEMENTS FOR THE TREATMENT OF HARVESTED CROPS:</b>    |           |        |           |                   |        |
| Threshing machines . . . . .   | 869       | 575    | 740       | 675               | 2,759  |
| Tractors, power-driven . . . . .   | 1,696     | 1,455  | 1,881     | 775               | 5,807  |
| Total . . . . .  | 2,565     | 2,030  | 2,621     | 1,450             | 8,666  |
| Hay presses . . . . .  | 2,087     | 658    | 2,078     | 1,457             | 6,280  |
| <b>MACHINERY AND IMPLEMENTS FOR THE PREPARATION OF LIVESTOCK FEED:</b>   |           |        |           |                   |        |
| Forage cutters . . . . .   | 6,028     | 1,753  | 1,676     | 2,829             | 11,877 |
| Silage cutters . . . . .   | 627       | 486    | 406       | 266               | 1,785  |
| Total . . . . .  | 6,655     | 2,239  | 2,082     | 2,686             | 13,662 |
| Grinding mills . . . . .   | 3,692     | 4,413  | 2,623     | 1,821             | 12,549 |
| <b>MACHINERY AND IMPLEMENTS FOR THE TREATMENT OF LIVESTOCK PRODUCTS:</b> |           |        |           |                   |        |
| Churns . . . . .   | 18,019    | 3,010  | 8,767     | 6,469             | 36,265 |
| Cream separators . . . . .   | 19,078    | 5,400  | 16,102    | 13,476            | 54,056 |
| Wool presses . . . . .   | 5,463     | 367    | 281       | 1,627             | 7,738  |
| Poultry incubators . . . . .   | 4,729     | 2,511  | 4,087     | 3,030             | 14,357 |
| WAGONS AND TROLLEYS . . . . .  | 33,901    | 8,962  | 28,797    | 16,260            | 87,920 |

36. — CAPACITY OF CERTAIN PRIME MOVERS OWNED BY EUROPEANS ON 31 AUGUST 1930.

| CLASSIFICATION                | Provinces |       |           |                   | UNION  |
|-------------------------------|-----------|-------|-----------|-------------------|--------|
|                               | Cape      | Natal | Transvaal | Orange Free State |        |
|                               | H. P.     | H. P. | H. P.     | H. P.             | H. P.  |
| Steam engines . . . . .       | 4,440     | 2,029 | 4,845     | 3,315             | 14,629 |
| Gas and oil engines . . . . . | 24,644    | 8,255 | 10,060    | 8,952             | 51,911 |

37. — PLOUGHS, WAGONS AND TROLLEYS OWNED BY NATIVES ON 31 AUGUST 1930.

| CLASSIFICATION                                | Provinces |        |           |                   | UNION   |
|---|-----------|--------|-----------|-------------------|---------|
|   | Cape      | Natal  | Transvaal | Orange Free State |         |
|   | number    | number | number    | number            | number  |
| <b>OWNED BY NATIVES ON EUROPEAN HOLDINGS:</b> |           |        |           |                   |         |
| Ploughs . . . . .                             | 3,245     | 16,745 | 28,051    | 5,130             | 53,171  |
| Wagons and trolleys . . . . .                 | 1,662     | 504    | 8,116     | 2,264             | 10,546  |
| <b>OWNED BY NATIVES ON RESERVES:</b>          |           |        |           |                   |         |
| Ploughs . . . . .                             | 100,512   | 38,595 | 44,235    | 1,508             | 184,845 |
| Wagons and trolleys . . . . .                 | 7,124     | 1,929  | 8,816     | 427               | 18,096  |

38. — FERTILIZERS USED AND IRRIGATED AREA ON EUROPEAN HOLDINGS FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930.

| CLASSIFICATION                    | Provinces |           |           |                   | UNION     |
|-----------------------------------|-----------|-----------|-----------|-------------------|-----------|
|                                   | Cape      | Natal     | Transvaal | Orange Free State |           |
|                                   | 1,000 lb. | 1,000 lb. | 1,000 lb. | 1,000 lb.         | 1,000 lb. |
| Artificial manures used . . . . . | 226,488   | 105,200   | 213,908   | 81,520            | 627,116   |
|                                   | acres     | acres     | acres     | acres             | acres     |
| Green crops ploughed in . . . . . | 102,721   | 25,290    | 108,955   | 74,157            | 306,123   |
| Area irrigated . . . . .          | 474,844   | 29,878    | 244,423   | 119,260           | 868,405   |

39. — FARM CONSTRUCTIONS EXISTING ON 31 AUGUST 1930. (1)

| CLASSIFICATION                                       | Provinces |        |           |                   | UNION  |
|--|-----------|--------|-----------|-------------------|--------|
|  | Cape      | Natal  | Transvaal | Orange Free State |        |
|  | number    | number | number    | number            | number |
| <b>SILOS ON EUROPEAN HOLDINGS:</b>                   |           |        |           |                   |        |
| Pit or trench . . . . .                              | 1,510     | 990    | 1,521     | 578               | 4,599  |
| Tower or built . . . . .                             | 469       | 194    | 275       | 220               | 1,158  |
| Total . . . . .                                      | 1,979     | 1,184  | 1,796     | 798               | 5,757  |
| <b>DIPPING TANKS:</b>                                |           |        |           |                   |        |
| Cattle dipping tanks: on European holdings . . . . . | 3,677     | 5,060  | 3,240     | 923               | 12,900 |
| on native reserves . . . . .                         | 771       | 680    | 447       | 89                | 2,137  |
| Total . . . . .                                      | 4,448     | 5,740  | 3,687     | 1,012             | 15,037 |
| Sheep dipping tanks: on European holdings . . . . .  | 12,451    | 1,620  | 3,125     | 5,958             | 23,213 |
| on native reserves . . . . .                         | 1,422     | 494    | 381       | 119               | 2,416  |
| Total . . . . .                                      | 13,873    | 2,114  | 3,506     | 6,077             | 25,629 |
| ARTESIAN WELLS ON EUROPEAN HOLDINGS . . . . .        | 28,163    | 996    | 10,974    | 25,458            | 65,591 |

(1) Other than those in general use.

40. — LIVESTOCK ON 31 AUGUST 1930  
(Excluding urban areas).

| CLASSIFICATION  | Provinces  |           |           |                   | Union      |
|---|------------|-----------|-----------|-------------------|------------|
|   | Cape       | Natal     | Transvaal | Orange Free State |            |
|   | number     | number    | number    | number            | number     |
| <b>Horses:</b>  |            |           |           |                   |            |
| Owned by Europeans:   |            |           |           |                   |            |
| Cobs and fillies under 1 year old . . . . .                               | 14,493     | 5,128     | 8,199     | 10,414            | 36,234     |
| Young horses from 1 to 3 years old . . . . .                              | 19,530     | 4,694     | 12,994    | 17,030            | 54,248     |
| Stallions 3 years old and over . . . . .                                  | 6,884      | 1,201     | 5,014     | 4,423             | 17,582     |
| Mares 3 years old and over . . . . .                                      | 52,230     | 9,704     | 27,353    | 36,047            | 125,334    |
| Colts 3 years old and over . . . . .                                      | 60,847     | 15,368    | 42,444    | 57,264            | 184,923    |
| Total . . . . .   | 162,984    | 34,155    | 96,004    | 125,178           | 418,221    |
| Owned by natives on European holdings . . . . .                           |            |           |           |                   |            |
|   | 26,570     | 40,738    | 55,212    | 103,344           | 227,864    |
| Owned by natives on reserves . . . . .                                    |            |           |           |                   |            |
|   | 147,849    | 34,209    | 3,523     | 4,237             | 189,818    |
| Total . . . . .   | 339,403    | 109,102   | 194,739   | 232,759           | 836,003    |
| <b>Asses:</b>   |            |           |           |                   |            |
| Owned by Europeans . . . . .  |            |           |           |                   |            |
|   | 207,546    | 26,286    | 121,202   | 43,373            | 398,407    |
| Owned by natives on European holdings . . . . .                           |            |           |           |                   |            |
|   | 32,472     | 16,919    | 72,466    | 8,880             | 130,737    |
| Owned by natives on reserves . . . . .                                    |            |           |           |                   |            |
|   | 45,698     | 43,254    | 80,244    | 1,221             | 170,417    |
| Total . . . . .   | 285,716    | 86,459    | 273,912   | 53,474            | 699,561    |
| <b>Mules:</b>   |            |           |           |                   |            |
| Owned by Europeans . . . . .  |            |           |           |                   |            |
|   | 84,587     | 12,566    | 18,163    | 10,038            | 125,354    |
| Owned by natives on European holdings . . . . .                           |            |           |           |                   |            |
|   | 234        | 210       | 1,047     | 451               | 1,942      |
| Owned by natives on reserves . . . . .                                    |            |           |           |                   |            |
|   | 495        | 362       | 1,703     | 88                | 2,558      |
| Total . . . . .   | 85,226     | 13,138    | 20,913    | 10,577            | 129,854    |
| <b>CATTLE:</b>  |            |           |           |                   |            |
| Owned by Europeans:   |            |           |           |                   |            |
| Under 1 year old . . . . .  | 255,928    | 114,546   | 247,791   | 180,569           | 798,834    |
| From 1 to 2 years old . . . . .   | 205,017    | 117,124   | 233,330   | 173,733           | 718,204    |
| Cows and heifers 2 years old and over . . . . .                           | 522,060    | 278,959   | 605,904   | 417,933           | 1,824,856  |
| of which, cows milked (from 1 September 1929 to 31 August 1930) . . . . . | 625,305    | (115,896) | (209,371) | (173,937)         | (744,499)  |
| Bulls 2 years old and over . . . . .                                      | 22,487     | 10,059    | 27,136    | 16,766            | 76,448     |
| Oxen 2 years old and over . . . . .                                       | 320,684    | 253,967   | 657,656   | 521,651           | 1,753,968  |
| Total . . . . .   | 1,326,186  | 774,655   | 1,761,817 | 1,309,652         | 5,172,310  |
| Owned by natives on European holdings . . . . .                           |            |           |           |                   |            |
|   | 147,829    | 435,386   | 601,174   | 511,393           | 1,495,782  |
| Owned by natives on reserves . . . . .                                    |            |           |           |                   |            |
|   | 1,884,244  | 1,274,850 | 725,743   | 20,940            | 3,905,777  |
| Total . . . . .   | 3,358,259  | 2,484,891 | 3,088,734 | 1,641,985         | 10,573,869 |
| <b>SHEEP:</b>   |            |           |           |                   |            |
| Owned by Europeans:   |            |           |           |                   |            |
| Lambs . . . . .   | 4,953,375  | 355,076   | 846,420   | 2,212,305         | 8,367,176  |
| Ewes, rams and wethers . . . . .  | 17,767,903 | 2,178,769 | 4,463,601 | 10,333,019        | 34,785,202 |
| Total . . . . .   | 22,721,278 | 2,533,845 | 5,310,021 | 12,545,324        | 43,152,378 |
| Owned by natives on European holdings . . . . .                           |            |           |           |                   |            |
|   | 182,064    | 57,080    | 156,696   | 217,105           | 512,945    |
| Owned by natives on reserves . . . . .                                    |            |           |           |                   |            |
|   | 4,145,030  | 309,638   | 146,001   | 80,267            | 4,674,936  |
| Total . . . . .   | 26,988,372 | 2,900,563 | 5,612,718 | 12,842,696        | 48,350,349 |

40. — LIVESTOCK ON 31 AUGUST 1930  
(Excluding urban areas) (concluded).

| CLASSIFICATION                                  | Provinces |           |           |                   | Union     |
|---|-----------|-----------|-----------|-------------------|-----------|
|   | Cape      | Natal     | Transvaal | Orange Free State |           |
|   | number    | number    | number    | number            | number    |
| <b>GOATS (including kids):</b>                  |           |           |           |                   |           |
| Owned by Europeans . . . . .                    |           |           |           |                   |           |
|   | 3,500,310 | 39,620    | 79,884    | 31,000            | 3,650,814 |
| Owned by natives on European holdings . . . . . |           |           |           |                   |           |
|   | 271,958   | 433,560   | 322,980   | 56,192            | 1,084,690 |
| Owned by natives on reserves . . . . .          |           |           |           |                   |           |
|   | 1,835,622 | 809,534   | 499,427   | 14,316            | 3,218,899 |
| Total . . . . .                                 | 5,607,890 | 1,342,714 | 902,291   | 101,508           | 7,954,403 |
| <b>SWINE (including sucking pigs):</b>          |           |           |           |                   |           |
| Owned by Europeans . . . . .                    |           |           |           |                   |           |
|   | 217,678   | 53,254    | 146,725   | 77,733            | 494,790   |
| Owned by natives on European holdings . . . . . |           |           |           |                   |           |
|   | 10,205    | 17,171    | 73,976    | 33,689            | 155,041   |
| Owned by natives on reserves . . . . .          |           |           |           |                   |           |
|   | 203,436   | 38,950    | 67,601    | 1,086             | 311,073   |
| Total . . . . .                                 | 430,719   | 109,375   | 288,302   | 112,508           | 940,904   |
| <b>DEER (including chicks):</b>                 |           |           |           |                   |           |
| Owned by Europeans . . . . .                    |           |           |           |                   |           |
|   | 50,374    | 246       | 408       | 598               | 31,618    |

41. — POULTRY AND BEES ON 31 AUGUST 1930  
(Excluding urban areas).

| CLASSIFICATION                              | Provinces |           |           |                   | Union     |
|---|-----------|-----------|-----------|-------------------|-----------|
|   | Cape      | Natal     | Transvaal | Orange Free State |           |
|   | number    | number    | number    | number            | number    |
| <b>POULTRY:</b>                             |           |           |           |                   |           |
| Owned by Europeans:                         |           |           |           |                   |           |
| Fowls (including chicks) . . . . .          | 2,172,406 | 978,270   | 2,057,257 | 1,297,046         | 6,504,979 |
| Ducks (including ducklings) . . . . .       | 71,047    | 28,032    | 67,873    | 53,729            | 220,681   |
| Geese (including goslings) . . . . .        | 54,837    | 7,983     | 38,829    | 45,544            | 147,193   |
| Turkeys (including chicks) . . . . .        | 69,129    | 20,518    | 64,812    | 70,095            | 224,554   |
| Total . . . . .                             | 2,367,419 | 1,034,803 | 2,228,771 | 1,466,414         | 7,097,407 |
| <b>BEEHIVES:</b>                            |           |           |           |                   |           |
| Hives in use on European holdings . . . . . |           |           |           |                   |           |
|   | 40,072    | 4,124     | 12,864    | 9,489             | 66,549    |

42. — SHEEP AND GOATS CLASSIFIED ACCORDING TO PURPOSE AND BREED  
 (Excluding urban areas).

| CLASSIFICATION                              | Provinces  |           |           |                   | Union      |
|---|------------|-----------|-----------|-------------------|------------|
|   | Cape       | Natal     | Transvaal | Orange Free State |            |
|   | number     | number    | number    | number            | number     |
| <b>SHEEP FOR WOOL:</b>                      |            |           |           |                   |            |
| Owned by Europeans:                         |            |           |           |                   |            |
| Lands: Merino                               | 3,772,181  | 536,879   | 720,646   | 2,067,358         | 6,897,055  |
| English breeds                              | 1,263      | 129       | 763       | 1,178             | 3,324      |
| Cross breeds                                | 207,057    | 12,436    | 90,803    | 81,346            | 391,612    |
| Persian                                     | 17,174     | 597       | 4,029     | 6,374             | 28,165     |
| Total                                       | 3,997,675  | 549,999   | 815,232   | 2,155,256         | 7,329,156  |
| Ester, rams and others: Merino              |            |           |           |                   |            |
| English breeds                              | 14,733,374 | 2,107,891 | 6,090,917 | 9,969,830         | 30,871,922 |
| Cross breeds                                | 3,711      | 324       | 2,558     | 2,447             | 9,046      |
| Persian                                     | 570,921    | 49,762    | 302,391   | 206,292           | 1,129,106  |
|   | 46,739     | 2,815     | 17,120    | 22,944            | 89,618     |
| Total                                       | 15,354,745 | 2,160,792 | 6,382,886 | 10,201,253        | 32,099,686 |
| Total sheep for wool owned by Europeans     | 19,352,420 | 2,510,695 | 5,198,218 | 12,357,509        | 39,419,842 |
| Owned by natives on European holdings       | 65,395     | 6,696     | 64,382    | 191,853           | 328,324    |
| Owned by natives on reserves                | 3,963,932  | 89,913    | 16,954    | 73,196            | 4,163,995  |
| Total sheep for wool                        | 23,401,745 | 2,607,304 | 5,280,554 | 12,622,558        | 43,912,161 |
| <b>SHEEP NOT FOR WOOL:</b>                  |            |           |           |                   |            |
| Owned by Europeans:                         |            |           |           |                   |            |
| Lands: Karakul                              | 1,111      | 401       | 565       | 188               | 2,265      |
| Persian                                     | 572,451    | 1,987     | 24,810    | 51,151            | 650,399    |
| Afrikaner                                   | 382,136    | 2,695     | 4,813     | 4,710             | 394,354    |
| Total                                       | 955,700    | 5,083     | 30,188    | 56,049            | 1,047,628  |
| Ester, rams and others: Karakul             |            |           |           |                   |            |
| Persian                                     | 8,951      | 858       | 1,846     | 750               | 12,305     |
| Afrikaner                                   | 1,496,414  | 7,445     | 82,555    | 118,295           | 1,616,709  |
|   | 1,015,813  | 9,764     | 16,214    | 12,721            | 1,054,512  |
| Total                                       | 2,337,158  | 18,067    | 108,615   | 131,766           | 2,683,606  |
| Total sheep not for wool owned by Europeans | 3,292,858  | 23,150    | 138,803   | 187,815           | 3,731,234  |
| Owned by natives on European holdings       | 36,671     | 50,384    | 92,314    | 25,252            | 204,621    |
| Owned by natives on reserves                | 161,098    | 219,725   | 123,047   | 7,071             | 510,941    |
| Total sheep not for wool                    | 3,589,627  | 293,259   | 354,164   | 220,138           | 4,446,746  |
| Total sheep                                 | 26,991,372 | 2,900,563 | 5,634,718 | 12,842,696        | 48,358,907 |
| <b>ANGORA GOATS:</b>                        |            |           |           |                   |            |
| Owned by Europeans:                         |            |           |           |                   |            |
| Kids  | 539,911    | 2,514     | 1,228     | 1,569             | 545,222    |
| Goats                                       | 1,198,669  | 13,904    | 8,226     | 8,323             | 1,229,122  |
| Total                                       | 1,738,580  | 16,418    | 9,454     | 9,892             | 1,774,344  |
| Owned by natives on European holdings       | 26,757     | 17,301    | 19,287    | 32,621            | 96,966     |
| Owned by natives on reserves                | 124,219    | 1,451     | 2,955     | 10,866            | 139,491    |
| Total Angora goats                          | 1,889,556  | 35,170    | 22,696    | 53,379            | 1,994,801  |
| <b>OTHER GOATS:</b>                         |            |           |           |                   |            |
| Owned by Europeans:                         |            |           |           |                   |            |
|   | 1,961,740  | 23,202    | 70,430    | 21,108            | 2,076,480  |
| Owned by natives on European holdings       | 245,201    | 416,259   | 312,693   | 23,571            | 997,724    |
| Owned by natives on reserves                | 1,711,403  | 868,103   | 496,472   | 3,450             | 3,079,428  |
| Total other goats                           | 3,918,344  | 1,307,564 | 879,595   | 48,129            | 6,153,631  |
| Total goats                                 | 5,807,900  | 1,342,734 | 902,291   | 101,508           | 7,948,432  |

 43. — LIVESTOCK PRODUCTS FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930  
 (Excluding urban areas).

| SPECIFICATION                                    | Provinces        |                  |                  |                   | Union            |
|--|------------------|------------------|------------------|-------------------|------------------|
|  | Cape             | Natal            | Transvaal        | Orange Free State |                  |
|  | 1,000 Imp. gals. | 1,000 Imp. gals. | 1,000 Imp. gals. | 1,000 Imp. gals.  | 1,000 Imp. gals. |
| <b>DAIRY PRODUCTS OBTAINED BY EUROPEANS (1):</b> |                  |                  |                  |                   |                  |
| Milk sold  | 10,869           | 5,471            | 7,233            | 4,199             | 27,703           |
| Butter made on farm                              | 5,675            | 1,901            | 2,103            | 1,586             | 11,265           |
| Chesse made on farm                              | 365              | 35               | 38               | 8                 | 446              |
| Butterfat sold                                   | 5,196            | 2,362            | 2,627            | 3,444             | 13,629           |
| <b>WOOL (GREASE):</b>                            |                  |                  |                  |                   |                  |
| Obtained by Europeans (2)                        | 118,062          | 11,642           | 27,544           | 75,389            | 232,637          |
| Obtained by natives on European holdings         | 274              | 12               | 227              | 800               | 1,373            |
| Obtained by natives on reserves                  | 14,828           | 256              | 52               | 286               | 15,432           |
| Total  | 133,164          | 11,920           | 27,823           | 76,535            | 249,442          |
| <b>MUTTON:</b>                                   |                  |                  |                  |                   |                  |
| Obtained by Europeans (2)                        | 6,379            | 38               | 24               | 29                | 6,470            |
| Obtained by natives on European holdings         | 82               | 7                | 4                | 80                | 173              |
| Obtained by natives on reserves                  | 342              | 4                | 2                | 28                | 376              |
| Total  | 6,803            | 49               | 30               | 137               | 7,019            |
| <b>QUAIL FEATHERS:</b>                           |                  |                  |                  |                   |                  |
| Obtained by Europeans                            | 19               | —                | —                | —                 | 19               |
| <b>HONEY:</b>                                    |                  |                  |                  |                   |                  |
| Obtained by Europeans                            | 541              | 59               | 162              | 99                | 861              |
| <b>BACON AND HAM (CURED):</b>                    |                  |                  |                  |                   |                  |
| Obtained by Europeans                            | 475              | 326              | 230              | 187               | 1,218            |
| <b>SEAL:</b>                                     |                  |                  |                  |                   |                  |
| Made by Europeans                                | 1,499            | 155              | 1,026            | 1,247             | 3,927            |
| <b>HIDE (SOLD):</b>                              |                  |                  |                  |                   |                  |
| Obtained by Europeans                            | 45,995           | 18,436           | 32,286           | 30,536            | 127,253          |
| Obtained by natives on European holdings         | 6,062            | 10,578           | 5,658            | 7,719             | 30,017           |
| Obtained by natives on reserves                  | 193,952          | 67,250           | 11,851           | 1,576             | 274,629          |
| Total  | 246,009          | 96,264           | 49,795           | 39,831            | 431,899          |
| <b>Skins (SOLD):</b>                             |                  |                  |                  |                   |                  |
| Obtained by Europeans                            | 1,899,773        | 126,174          | 602,084          | 991,425           | 3,559,456        |
| Obtained by natives on European holdings         | 39,223           | 19,052           | 11,745           | 21,923            | 91,943           |
| Obtained by natives on reserves                  | 864,972          | 60,826           | 21,462           | 7,395             | 954,655          |
| Total  | 2,763,968        | 206,052          | 635,291          | 1,020,743         | 4,605,054        |

(1) For the number of cows milked, see Table 49. — (2) See Tables 44 and 45.

44. — SHEEP AND ANGORA GOATS, OWNED BY EUROPEANS,  
SHORN FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930 (Excluding urban areas).

| CLASSIFICATION                           | Provinces  |           |           |                   | Union      |
|--|------------|-----------|-----------|-------------------|------------|
|  | Cape       | Natal     | Transvaal | Orange Free State |            |
|  | number     | number    | number    | number            | number     |
| <b>SHEEP FOR WOOL:</b>                   |            |           |           |                   |            |
| Lambs: Merino . . . . .                  | 2,160,093  | 191,274   | 349,321   | 1,268,019         | 3,968,707  |
| Other . . . . .                          | 17,217     | 1,595     | 6,120     | 11,849            | 37,281     |
| Total . . . . .                          | 2,177,310  | 192,869   | 355,441   | 1,279,868         | 4,005,928  |
| Ewes, rams and wethers: Merino . . . . . | 14,467,855 | 1,791,131 | 4,258,772 | 9,866,699         | 30,384,457 |
| Other . . . . .                          | 257,325    | 30,146    | 115,821   | 129,634           | 532,926    |
| Total . . . . .                          | 14,725,180 | 1,821,277 | 4,374,593 | 9,996,333         | 30,917,383 |
| General total . . . . .                  | 16,902,490 | 2,014,146 | 4,730,034 | 11,276,201        | 34,923,371 |
| ANGORA GOATS (including kids) . . . . .  | 1,331,129  | 13,853    | 8,086     | 8,168             | 1,361,236  |

45. — WOOL AND MOHAIR PRODUCED BY SHEEP AND ANGORA GOATS  
OWNED BY EUROPEANS, FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930 (Excluding urban areas)

| CLASSIFICATION                                      | Provinces |           |           |                   | Union     |
|---|-----------|-----------|-----------|-------------------|-----------|
|   | Cape      | Natal     | Transvaal | Orange Free State |           |
|   | 1,000 lb. | 1,000 lb. | 1,000 lb. | 1,000 lb.         | 1,000 lb. |
| <b>WOOL (gross):</b>                                |           |           |           |                   |           |
| Produced by Merino lambs . . . . .                  | 7,943     | 566       | 1,032     | 5,800             | 11,471    |
| Produced by other lambs . . . . .                   | 41        | 5         | 13        | 26                | 85        |
| Total . . . . .                                     | 7,984     | 571       | 1,045     | 5,826             | 11,556    |
| Produced by Merino ewes, rams and wethers . . . . . | 109,283   | 10,980    | 26,101    | 71,053            | 217,417   |
| Produced by other ewes, rams and wethers . . . . .  | 795       | 91        | 348       | 430               | 1,664     |
| Total . . . . .                                     | 110,078   | 11,071    | 26,449    | 71,483            | 219,081   |
| General total . . . . .                             | 118,062   | 11,642    | 27,494    | 75,309            | 232,637   |
| <b>MOHAIR:</b>                                      |           |           |           |                   |           |
| Produced by Angora goats (including kids) . . . . . | 6,379     | 38        | 24        | 29                | 6,470     |

46. — ANIMALS, OWNED BY EUROPEANS, SOLD FOR SLAUGHTER, OR SLAUGHTERED,  
FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930 (Excluding urban areas).

| CLASSIFICATION  | Provinces |         |           |                   | Union     |
|---|-----------|---------|-----------|-------------------|-----------|
|   | Cape      | Natal   | Transvaal | Orange Free State |           |
|   | number    | number  | number    | number            | number    |
| Cattle sold for slaughter . . . . .                   | 126,704   | 63,945  | 109,178   | 109,625           | 409,452   |
| Cattle slaughtered on farms for consumption . . . . . | 18,374    | 6,256   | 20,717    | 16,754            | 62,601    |
| Total . . . . .                                       | 145,078   | 70,201  | 129,895   | 126,379           | 472,053   |
| Sheep sold for slaughter . . . . .                    | 1,908,094 | 111,591 | 174,871   | 702,722           | 2,977,278 |
| Sheep slaughtered on farms for consumption . . . . .  | 1,274,315 | 52,701  | 285,007   | 501,659           | 2,113,682 |
| Total . . . . .                                       | 3,282,409 | 164,292 | 459,878   | 1,204,381         | 5,090,960 |
| Pigs sold for slaughter . . . . .                     | 82,328    | 41,378  | 51,201    | 33,583            | 208,390   |
| Pigs slaughtered on farms for consumption . . . . .   | 59,638    | 6,023   | 39,499    | 18,504            | 123,664   |
| Total . . . . .                                       | 141,966   | 47,401  | 90,700    | 52,087            | 332,054   |

47. — ANIMAL LOSSES FROM 1 SEPTEMBER 1929 TO 31 AUGUST 1930 (Excluding urban areas).

| CLASSIFICATION  | Provinces |         |           |                   | Union     |
|---|-----------|---------|-----------|-------------------|-----------|
|   | Cape      | Natal   | Transvaal | Orange Free State |           |
|   | number    | number  | number    | number            | number    |
| <b>HORSES AND MULES DIED FROM DISEASE:</b>                      |           |         |           |                   |           |
| Owled by Europeans . . . . .                                    | 6,207     | 2,648   | 5,925     | 4,560             | 19,340    |
| Owled by natives on European holdings . . . . .                 | 1,257     | 2,561   | 3,449     | 4,953             | 12,220    |
| Owled by natives on reserves . . . . .                          | 16,667    | 3,366   | 867       | 625               | 20,945    |
| Total . . . . .   | 23,551    | 8,575   | 10,241    | 10,138            | 52,595    |
| <b>CATTLE DIED FROM DISEASE, DROUGHT AND EXPOSURE:</b>          |           |         |           |                   |           |
| Owled by Europeans . . . . .                                    | 71,942    | 36,902  | 88,008    | 45,520            | 242,372   |
| Owled by natives on European holdings . . . . .                 | 8,411     | 18,855  | 26,539    | 13,576            | 67,381    |
| Owled by natives on reserves . . . . .                          | 105,391   | 67,978  | 25,931    | 1,997             | 201,297   |
| Total . . . . .   | 185,744   | 123,735 | 140,478   | 61,093            | 511,050   |
| <b>SHEEP AND GOATS DIED FROM DISEASE, DROUGHT AND EXPOSURE:</b> |           |         |           |                   |           |
| Owled by Europeans . . . . .                                    | 1,326,485 | 230,225 | 859,780   | 808,966           | 3,225,456 |
| Owled by natives on European holdings . . . . .                 | 31,312    | 29,961  | 39,058    | 21,976            | 122,307   |
| Owled by natives on reserves . . . . .                          | 612,136   | 97,799  | 38,261    | 8,147             | 756,343   |
| Total . . . . .   | 1,969,933 | 357,985 | 937,099   | 839,069           | 4,104,106 |
| <b>SHEEP AND GOATS KILLED BY VERMIN OR MISSING:</b>             |           |         |           |                   |           |
| Owled by Europeans . . . . .                                    | 7,896,662 | 180     | 46,792    | 61,681            | 102,694   |
| Total . . . . .   | 7,896,662 | 180     | 46,792    | 61,681            | 102,694   |
| <b>PIGS DIED FROM DISEASE:</b>                                  |           |         |           |                   |           |
| Owled by Europeans . . . . .                                    | 330       | 2,220   | 5,954     | 2,692             | 18,762    |
| Owled by natives on European holdings . . . . .                 | 83        | 543     | 1,491     | 872               | 3,236     |
| Owled by natives on reserves . . . . .                          |           | 380     | 1,431     | 220               | 2,114     |
| Total . . . . .   | 8,309     | 3,143   | 8,876     | 3,784             | 24,112    |

48. — PERSONS, INCLUDING OCCUPIERS, REGULARLY EMPLOYED IN FARM WORK  
ON EUROPEAN HOLDINGS ON 31 AUGUST 1930.

| CLASSIFICATION           | Provinces      |                 |                     |                                | Union<br>number |
|--------------------------|----------------|-----------------|---------------------|--------------------------------|-----------------|
|                          | Cape<br>number | Natal<br>number | Transvaal<br>number | Orange<br>Free State<br>number |                 |
| <b>MALE:</b>             |                |                 |                     |                                |                 |
| Europeans . . . . .      | 61,194         | 9,230           | 46,459              | 30,492                         | 149,363         |
| Indians . . . . .        | 90             | 12,286          | 162                 | 6                              | 12,544          |
| Natives . . . . .        | 67,069         | 90,728          | 122,426             | 81,046                         | 361,269         |
| Other coloured . . . . . | 54,605         | 476             | 1,568               | 2,505                          | 59,154          |
| <b>Total . . . . .</b>   | <b>182,958</b> | <b>112,728</b>  | <b>172,595</b>      | <b>114,049</b>                 | <b>582,330</b>  |
| <b>FEMALE:</b>           |                |                 |                     |                                |                 |
| Europeans . . . . .      | 12,355         | 1,884           | 11,201              | 10,010                         | 35,446          |
| Indians . . . . .        | 46             | 2,135           | 125                 | 14                             | 2,320           |
| Natives . . . . .        | 21,998         | 15,624          | 34,593              | 42,425                         | 114,640         |
| Other coloured . . . . . | 12,330         | 175             | 663                 | 1,291                          | 14,659          |
| <b>Total . . . . .</b>   | <b>46,727</b>  | <b>19,818</b>   | <b>46,582</b>       | <b>53,740</b>                  | <b>146,867</b>  |
| <b>BOTH SEXES:</b>       |                |                 |                     |                                |                 |
| Europeans . . . . .      | 73,547         | 11,122          | 59,640              | 40,502                         | 184,811         |
| Indians . . . . .        | 136            | 14,421          | 287                 | 20                             | 14,864          |
| Natives . . . . .        | 89,067         | 106,352         | 157,019             | 123,471                        | 475,909         |
| Other coloured . . . . . | 66,935         | 651             | 2,231               | 3,796                          | 73,613          |
| <b>Total . . . . .</b>   | <b>229,685</b> | <b>132,546</b>  | <b>219,177</b>      | <b>167,789</b>                 | <b>749,197</b>  |

COMMONWEALTH OF AUSTRALIA

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## THE AGRICULTURAL CENSUS IN AUSTRALIA

In Australia an agricultural Census is taken regularly each year. In 1929-1930, in view of the world agricultural census, certain complementary questions were added to the usual questionnaire.

The data published in this bulletin in general refer to the agricultural year 1929-30, those of the territorial area to 31 December 1929 (for New South Wales and Western Australia to 30 June 1929); those for the number and area of private holdings and their distribution according to size to 1928-29 (for New South Wales to 1924-25); those of area manured, quantity of manure used, livestock and slaughtering returns to 1929; those of the number of holdings and number of sheep to 1928.

As regards the elaboration of the statistical data the Commonwealth Bureau of Census and Statistics states that uniform principles for measuring the quantity and value of all kinds of production were adopted by the Australian statisticians in conference in 1924 and have been elaborated at successive annual conferences into a definite procedure. It was not, however, possible at the date of the Census to carry this out with complete uniformity for all States, though great progress was made in this direction.

In the study of the tables published in the present bulletin it is necessary to bear in mind the following points: (a) the number of holdings refers only to lands which are alienated from the Crown or are in process of alienation; (b) land leased or held by licence from the Crown is omitted from tables 2 (page 375) and 18 (page 386); (c) other statistics contained in the Bulletin include all holdings irrespective of tenure.

The data contained in this Bulletin were obtained from the following Sources: 1) *Summary of Australian Production Statistics for the years 1919-20 to 1929-30 (Bulletin No. 24)*, Canberra. — 2) *Official Yearbook of the Commonwealth of Australia No. 24, 1931*, Canberra. — 3) the information sent directly to the International Institute of Agriculture by the "Commonwealth Bureau of Census and Statistics, Canberra".

A — GENERAL DATA

1. — AREA ON 31 DECEMBER 1929 <sup>(1)</sup>.

|  |       |               |
|--|-------|---------------|
| Alienated land . . . . .                 | Acres | 120,066,827   |
| Land in process of alienation . . . . .  | "     | 63,342,125    |
| Leased or licensed Crown lands . . . . . | "     | 954,970,623   |
| Other Crown lands . . . . .              | " (2) | 795,413,665   |
| Total Australia . . . . .                | Acres | 1,903,732,240 |

(1) For New South Wales and Western Australia data refer to 30 June. — (2) Includes Lord Howe Island, 3,220 acres, particulars of which are not available, and Jervis Bay, 17,920 acres.

2. — NUMBER AND AREA OF PRIVATE HOLDINGS  
AND THEIR DISTRIBUTION ACCORDING TO SIZE, 1928-29 <sup>(1)</sup> <sup>(2)</sup>.

| CLASSIFICATION OF HOLDINGS<br>ACCORDING TO SIZE | NUMBER OF HOLDINGS |                        | TOTAL AREA OF HOLDINGS |                        |                        |
|---|--------------------|------------------------|------------------------|------------------------|------------------------|
|   | Absolute<br>data   | Percentage<br>of total | Absolute<br>data       | Average<br>per holding | Percentage<br>of total |
|   | number             | %                      | acres                  | acres                  | %                      |
| 1 and under 50 acres . . . . .                  | 48,162             | 23.9                   | 932,252                | 19.4                   | 0.6                    |
| 50 and under 100 acres . . . . .                | 20,674             | 10.3                   | 1,549,025              | 74.9                   | 1.1                    |
| 100 and under 500 acres . . . . .               | 65,496             | 32.6                   | 16,717,288             | 255.2                  | 11.6                   |
| 500 and under 1,000 acres . . . . .             | 32,361             | 16.1                   | 23,657,254             | 731.0                  | 16.4                   |
| 1,000 and under 5,000 acres . . . . .           | 31,067             | 15.4                   | 60,026,815             | 1,932.2                | 41.5                   |
| 5,000 and under 10,000 acres . . . . .          | 2,274              | 1.1                    | 15,589,468             | 6,855.5                | 16.8                   |
| 10,000 and under 20,000 acres . . . . .         | 831                | 0.4                    | 11,419,886             | 13,742.3               | 7.9                    |
| 20,000 and under 50,000 acres . . . . .         | 289                | 0.2                    | 8,384,069              | 29,016.6               | 5.8                    |
| 50,000 acres and over . . . . .                 | 71                 | 0.0                    | 6,240,247              | 87,890.8               | 4.3                    |
| General total . . . . .                         | 201,225            | 100.0                  | 144,516,296            | 718.2                  | 100.0                  |

(1) Data for New South Wales relate to the year 1924-25. — (2) Information for Queensland and Northern Territory not available.

3. — DISTRIBUTION OF AREA ACCORDING TO TENURE, 1929-30 <sup>(1)</sup>.

| CLASSIFICATION                             | AREA        | PERCENTAGE OF TOTAL |
|--|-------------|---------------------|
|  | acres       | %                   |
| Acres farmed by owners . . . . .           | 137,021,454 | 23.6                |
| Acres rented from others . . . . .         | 8,312,738   | 1.4                 |
| Acres operated under Crown lease . . . . . | 434,967,427 | 75.0                |
| Total . . . . .                            | 580,301,619 | 100.0               |

(1) Data are not collected for Queensland and Northern Territory.

4. — UTILIZATION OF AREA MAINLY DEVOTED TO AGRICULTURE, 1929-30 <sup>(1)</sup>.

| CLASSIFICATION  | ABSOLUTE DATA  | PERCENTAGE OF GENERAL TOTAL |
|---|----------------|-----------------------------|
|   | acres          | %                           |
| Area under crops on arable land . . . . .   | 21,536,592     | 51.4                        |
| Vineyards, olive groves, orchards and fruit gardens:  |                |                             |
| productive . . . . .  | 353,695        | 0.8                         |
| unproductive . . . . .  | 59,434         | 0.1                         |
| Total . . . . .   | 393,129        | 0.9                         |
| Total area under crops . . . . .  | 21,929,721     | 52.1                        |
| Fallow, i. e., land broken up but not cropped during season . . . . .                       | 8,673,169      | 21.2                        |
| New ground cleared during season and previously cropped land unused during season . . . . . | (2) 11,120,729 | 26.5                        |
| Total of area mainly devoted to agriculture . . . . .                                       | (3) 41,923,619 | 100.0                       |

(1) Data of Northern Territory are for 1922-23. — (2) Victoria not included. — (3) See note 2.

## 5. — UTILIZATION OF AREA UNDER CROPS ON ARABLE LAND, 1929-30.

| CROPS  | AREA (*)      |                             | PRODUCTION (**)    |                | VALUE (***)    |                                 |
|--|---------------|-----------------------------|--------------------|----------------|----------------|---------------------------------|
|  | Absolute data | Percentage of general total | Quantity harvested | Yield per acre | Value of crops | Average value per acre of crops |
|  | acres         | %                           | 1,000 lb.          | lb.            | £              | £ s. d.                         |
| <b>CEREALS CUT FOR GRAIN:</b>                |               |                             |                    |                |                |                                 |
| Wheat . . . . .                              | 14,976,564    | 69.54                       | 7,613,077          | 508            | 27,298,848     | 1-16-5                          |
| Oats . . . . .                               | 1,515,871     | 7.04                        | 576,967            | 381            | 2,096,939      | 1-7-8                           |
| Barley, malting . . . . .                    | 368,854       | 1.81                        | 321,942            | 828            | 1,859,268      | 2-14-6                          |
| Barley, other . . . . .                      | 62,485        | 0.29                        | 57,409             | 920            | 178,796        | 2-17-3                          |
| Rye . . . . .                                | 5,802         | 0.03                        | 4,520              | 767            | 13,649         | 2-6-4                           |
| Maize . . . . .                              | 297,502       | 1.38                        | 444,594            | 1,496          | 2,084,697      | 7-0-0                           |
| Rice . . . . .                               | 19,769        | 0.09                        | 76,631             | 3,882          | 335,406        | 16-19-0                         |
| Total . . . . .                              | 17,266,997    | 80.78                       | —                  | —              | 33,067,627     | —                               |
| <b>LEGUMINOUS PLANTS:</b>                    |               |                             |                    |                |                |                                 |
| Beans . . . . .                              | 2,468         | 0.01                        | 1,890              | 766            | 31,999         | 12-19-4                         |
| Pean . . . . .                               | 47,820        | 0.23                        | 46,875             | 980            | 225,384        | 4-13-7                          |
| Total . . . . .                              | 50,288        | 0.24                        | —                  | —              | 257,383        | —                               |
| <b>TUBER AND ROOT CROPS:</b>                 |               |                             |                    |                |                |                                 |
| Beet, edible . . . . .                       | 87            | 0.00                        | 960                | 11,034         | 6,448          | 51-2-6                          |
| Potatoes, ordinary . . . . .                 | 123,980       | 0.58                        | 767,312            | 6,189          | 2,374,805      | 19-3-1                          |
| Potatoes, sweet . . . . .                    | 2,920         | 0.01                        | 25,362             | 8,700          | 111,960        | 38-6-10                         |
| Turnips . . . . .                            | 6,545         | 0.03                        | 74,706             | 11,418         | 126,020        | 19-5-2                          |
| Mangels . . . . .                            | 1,289         | 0.01                        | 31,771             | 24,648         | 23,214         | 18-0-0                          |
| Carrots . . . . .                            | 362           | 0.00                        | 7,349              | 20,301         | 21,890         | 60-9-5                          |
| Arrowroot . . . . .                          | 612           | 0.00                        | 11,066             | 18,082         | 10,020         | 16-7-6                          |
| Other root crops . . . . .                   | 172           | 0.00                        | 1,879              | 16,524         | 9,760          | 56-14-10                        |
| Total . . . . .                              | 135,965       | 0.63                        | —                  | —              | 2,682,127      | —                               |
| <b>CULTIVATED PLANTS FOR HAY AND FODDER:</b> |               |                             |                    |                |                |                                 |
| Wheat . . . . .                              | 1,878,773     | 5.01                        | 2,699,852          | 1,946          | 12,721,234     | 4-15-8                          |
| Oats . . . . .                               | 1,397,422     | 6.49                        | 3,339,960          | 2,390          |                |                                 |
| Barley . . . . .                             | 5,221         | 0.02                        | 9,901              | 1,898          |                |                                 |
| Rye . . . . .                                | 11,652        | 0.05                        | 33,332             | 2,861          |                |                                 |
| Alfalfa . . . . .                            | 159,391       | 0.74                        | 599,761            | 3,763          |                |                                 |
| Other plants for hay . . . . .               | 6,202         | 0.03                        | 21,788             | 3,513          |                |                                 |
| Total hay . . . . .                          | 2,658,661     | 12.34                       | 6,104,614          | 2,296          | 12,721,234     | —                               |
| Green forage . . . . .                       | 977,495       | 4.54                        | —                  | —              | 3,167,119      | 3-4-10                          |
| Total . . . . .                              | 3,636,156     | 16.88                       | —                  | —              | 15,888,353     | —                               |
| <b>STRAW:</b>                                |               |                             |                    |                |                |                                 |
| Wheat, eaten and other . . . . .             | —             | —                           | 167,713            | —              | 192,732        | —                               |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>        |               |                             |                    |                |                |                                 |
| Sugar-cane: productive . . . . .             | 222,847       | 1.03 (1)                    | 8,412,640          | 37,748         | 7,475,784      | 24-6-11                         |
| unproductive . . . . .                       | 84,238        | 0.39                        | —                  | —              | —              |                                 |
| Total . . . . .                              | 307,085       | 1.42                        | —                  | —              | —              | —                               |

## 5. — UTILIZATION OF AREA UNDER CROPS ON ARABLE LAND, 1929-30 (concluded).

| CROPS  | Area (*)          |                             | Production (**)        |                | Value (***)       |                                 |  |
|--|-------------------|-----------------------------|------------------------|----------------|-------------------|---------------------------------|--|
|  | Absolute data     | Percentage of general total | Quantity harvested     | Yield per acre | Value of crops    | Average value per acre of crops |  |
|  |                   |                             |                        |                |                   |                                 |  |
| Sugar-beet                                   | 2,500             | 0.01 (2)                    | 59,416                 | 23,766         | 58,355            | 23-6-10                         |  |
| Cotton: productive                           | 15,003            | 0.07                        | 8,025                  | 535            | 186,121           | 12-8-1                          |  |
| unproductive                                 | 12,650            | 0.06                        | —                      | —              | —                 | —                               |  |
| <b>Total</b>                                 | <b>27,653</b>     | <b>0.13</b>                 | <b>—</b>               | <b>—</b>       | <b>—</b>          | <b>—</b>                        |  |
| Linseed                                      | 1,568             | 0.01 (3)                    | 3,013                  | —              | 2,220             | 2-11-4                          |  |
| New Zealand flax                             | 70                | 0.00                        | —                      | —              | —                 | —                               |  |
| Peanuts                                      | 6,209             | 0.03                        | 8,468                  | 1,412          | 156,318           | —                               |  |
| Sunflowers                                   | 157               | 0.00                        | 121                    | 771            | 920               | —                               |  |
| Tobacco                                      | 2,470             | 0.01                        | 432                    | 667            | 92,055            | 37-5-5                          |  |
| Hops   | 1,398             | 0.01                        | 2,339                  | 1,708          | 131,662           | 94-3-7                          |  |
| Chicory                                      | 491               | 0.00                        | (4)                    | (4)            | 9,830             | —                               |  |
| Broom millet                                 | 4,576             | 0.02                        | (4a) 2,250<br>(4b) 925 | 492<br>202     | 57,461            | 12-11-2                         |  |
| <b>Total</b>                                 | <b>354,183</b>    | <b>1.64</b>                 | <b>—</b>               | <b>—</b>       | <b>8,170,726</b>  | <b>—</b>                        |  |
| <b>Vegetables:</b>                           |                   |                             |                        |                |                   |                                 |  |
| Artichokes                                   | 3                 | 0.00                        | 34                     | 11,333         | —                 | —                               |  |
| Asparagus                                    | 9                 | 0.00                        | —                      | —              | 650               | 72-4-3                          |  |
| Beans, green                                 | 2,118             | 0.01 (3)                    | 3,446                  | —              | 68,278            | 32-14-2                         |  |
| Brussels sprouts                             | 2                 | 0.00                        | —                      | —              | 40                | 20-0-0                          |  |
| Cabbages                                     | 2,326             | 0.01                        | number                 | —              | 146,136           | 62-15-7                         |  |
| Cauliflower                                  | —                 | —                           | (3) 3,812,292          | —              | —                 | —                               |  |
| Cucumbers                                    | 375               | 0.00 (1)                    | 2,666,232              | —              | 32,289            | 86-2-1                          |  |
| Lettuce                                      | 2                 | 0.00                        | 1,000 lb.              | —              | 50                | 25-0-0                          |  |
| Onions                                       | 8,935             | 0.04                        | 111,512                | 12,480         | 193,111           | 21-12-3                         |  |
| Peas, green                                  | 8,676             | 0.04 (3)                    | 1,510                  | —              | 140,794           | 16-4-2                          |  |
| Pumpkins and melons                          | 16,446            | 0.08                        | 101,625                | 6,179          | 364,203           | 22-2-11                         |  |
| Market gardens                               | 35,725            | 0.17                        | —                      | —              | 2,275,528         | 63-13-11                        |  |
| Tomatoes                                     | 7,054             | 0.03                        | 48,044                 | 6,811          | 520,364           | 73-15-4                         |  |
| <b>Total</b>                                 | <b>81,671</b>     | <b>0.36</b>                 | <b>—</b>               | <b>—</b>       | <b>3,742,443</b>  | <b>—</b>                        |  |
| <b>Crops grown for seed:</b>                 |                   |                             |                        |                |                   |                                 |  |
| Canary seed                                  | 948               | 0.00                        | 628                    | 662            | 9,565             | 10-3-4                          |  |
| Grass and other seeds                        | 6,288             | 0.03                        | 7,726                  | 869            | 201,971           | 17-8-11                         |  |
| <b>Total</b>                                 | <b>7,236</b>      | <b>0.03</b>                 | <b>—</b>               | <b>—</b>       | <b>211,536</b>    | <b>—</b>                        |  |
| <b>ALL OTHER CROPS</b>                       | <b>4,136</b>      | <b>0.02</b>                 | <b>—</b>               | <b>—</b>       | <b>281,301</b>    | <b>65-0-1</b>                   |  |
| <b>Total area under crops on arable land</b> | <b>21,536,592</b> | <b>100.0</b>                | <b>—</b>               | <b>—</b>       | <b>64,494,218</b> | <b>2-19-11</b>                  |  |

(\*) See notes Table 22. — (\*\*) See notes Tables 23 and 24. — (\*\*\*) See notes Tables 40 and 41. — (a) Fibre; (b) seed.

(1) Production cane-sugar 1,295,308 thousand lb. — (2) Production beet-sugar 6,373 thousand lb. — (3) Incomplete data; see Table 23. — (4) Production is given partly in green and partly in dried: per 469 acres is 715 thousand lb. dried (1,592.4 lb. per acre) per 22 acres is 383 thousand lb. green (17,409.1 lb. per acre).

## 6. — UTILIZATION OF AREA UNDER VINEYARDS, OLIVE GROVES, ORCHARDS, AND FRUIT GARDENS, 1929-30.

| CROPS                              | AREA           |               |                |                             |              | PRODUCTION          |                |                   |
|------------------------------------|----------------|---------------|----------------|-----------------------------|--------------|---------------------|----------------|-------------------|
|                                    | ABSOLUTE DATA  |               |                | PERCENTAGE OF GENERAL TOTAL |              | Quantity harvested  | Yield per acre | Value of crops    |
|                                    | Bearing        | Not bearing   | Total          | Bearing                     | Not bearing  |                     |                |                   |
|                                    | acres          | acres         | acres          | %                           | %            | 1,000 lb.           | lb.            | £                 |
| <b>VINEYARDS</b>                   |                |               |                |                             |              |                     |                |                   |
| For wine                           | 46,610         | —             | 46,610         | 14.0                        | —            | 220,718             | 4,735          | 711,834           |
| For table use                      | 7,320          | —             | 7,320          | 2.2                         | —            | 29,915              | 4,087          | 902,636           |
| For drying purposes                | 52,904         | —             | 52,904         | 15.9                        | —            | 614,245             | 11,611         | 3,130,667         |
| Unproductive                       | —              | 8,391         | 8,391          | —                           | 14.1         | —                   | —              | —                 |
| <b>Total</b>                       | <b>106,834</b> | <b>8,391</b>  | <b>115,225</b> | <b>32.1</b>                 | <b>14.1</b>  | <b>—</b>            | <b>—</b>       | <b>—</b>          |
| <b>OLIVE GROVES</b>                | (1) 305        | (1) 28        | (1) 333        | 0.1                         | 0.0          | (2) (3) 855         | (3) 2,805      | (3) 6,033         |
| <b>ORCHARDS AND FRUIT GARDENS:</b> |                |               |                |                             |              |                     |                |                   |
| Apples                             | 81,447         | 16,041        | 97,488         | 24.4                        | 27.0         | 427,739             | 5,252          | 2,437,095         |
| Apricots                           | 11,535         | 1,144         | 12,679         | 3.5                         | 1.9          | 48,096              | 4,170          | 273,701           |
| Bananas                            | 14,687         | 8,018         | 22,705         | 4.4                         | 13.5         | (1) 571,890,000 (1) | 38,938         | 1,069,039         |
| Cherries                           | 4,653          | 1,244         | 5,897          | 1.5                         | 2.1          | 6,230               | 1,339          | 181,739           |
| Lemons                             | 4,801          | 1,174         | 5,975          | 1.4                         | 2.0          | 21,361              | 4,455          | 274,672           |
| Oranges                            | 38,095         | 10,470        | 48,565         | 11.4                        | 17.6         | 148,077             | 3,887          | 2,034,750         |
| Other citrus, N. E. I.             | 392            | 141           | 473            | 0.1                         | 0.2          | 1,515               | 4,565          | 13,834            |
| Coconuts                           | 461            | —             | 461            | 0.1                         | —            | (1) 330,000 (1)     | 716            | 5,500             |
| Guava                              | 242            | 61            | 303            | 0.1                         | 0.1          | 1,270               | 5,248          | 16,370            |
| Figs                               | 1,057          | 334           | 1,391          | 0.3                         | 0.6          | 2,309               | 2,184          | 26,843            |
| Mangoes                            | 184            | 22            | 206            | 0.1                         | 0.0          | 1,834               | 9,967          | 19,121            |
| Nectarines                         | 1,089          | 229           | 1,309          | 0.3                         | 0.4 (2)      | 4,134               | 3,820          | 43,756            |
| Nuts                               | (1) 2,046 (1)  | 413           | (1) 2,459      | 0.6                         | 0.7 (2)      | 974                 | 476            | 28,012            |
| Passion fruit                      | (1) 831 (1)    | 201           | (1) 1,032      | 0.2                         | 0.3 (2)      | 1,924               | 2,315          | 75,255            |
| Peppercorns                        | 429            | 276           | 696            | 0.1                         | 0.5 (1)      | 1,051,000 (1)       | 2,502          | 18,607            |
| Peaches                            | 19,934         | 3,313         | 23,247         | 6.9                         | 5.6          | 89,938              | 4,512          | 594,133           |
| Pears                              | 17,871         | 3,063         | 20,934         | 5.4                         | 5.2          | 92,928              | 5,200          | 472,985           |
| Pineapples                         | (1) 135 (1)    | 11            | (1) 146        | 0.0                         | 0.0 (2)      | 304                 | 2,252          | 1,859             |
| Pistachios                         | 3,480          | 1,759         | 5,239          | 1.6                         | 3.0 (1)      | 10,577,000 (1)      | 3,039          | 222,068           |
| Plums                              | 14,702         | 2,710         | 17,412         | 4.4                         | 4.6          | 42,170              | 2,868          | 307,086           |
| Quinces                            | 1,459          | 260           | 1,719          | 0.4                         | 0.4          | 6,084               | 4,170          | 26,716            |
| Raspberries                        | (1) 472 (1)    | —             | (1) 476        | 0.1                         | 0.0 (2)      | 5,878               | 1,411          | 65,147            |
| Strawberries                       | (1) 752        | —             | (1) 752        | 0.2                         | —            | 3,223               | 2,933          | 101,951           |
| Other small fruit N. E. I.         | 3,030          | 26            | 3,056          | 0.9                         | 0.0          | 5,497               | —              | 59,976            |
| All recorded fruit N. E. I.        | (1) 2,850 (1)  | 101           | (1) 2,951      | 0.9                         | 0.2 (1)      | 7,582               | —              | 93,647            |
| <b>Total</b>                       | <b>226,536</b> | <b>51,015</b> | <b>277,571</b> | <b>67.8</b>                 | <b>85.9</b>  | <b>—</b>            | <b>—</b>       | <b>8,463,267</b>  |
| <b>General total</b>               | <b>333,495</b> | <b>59,434</b> | <b>393,129</b> | <b>100.0</b>                | <b>100.0</b> | <b>—</b>            | <b>—</b>       | <b>12,614,452</b> |

(1) Number. — (2) Bushels.

(1) Incomplete data; see Table 25. — (2) Incomplete data; see Table 26. — (3) Olives.

## YIELDS OF WINE, DRIED GRAPES AND DRIED FRUITS, 1929-30.

Production of wine in thousand imperial gallons: 16,070.

Yields in thousand lb. dried grapes: sultanas: 107,591; raisins: 14,638; currants: 42,289.

Yields dried fruit in thousand lb. apples: 1,293; apricots: 2,501; figs: 36; nectarines: 137; peaches: 1,076; pears: 521; plums and prunes: 4,236; total: 9,805.

7. — AGRICULTURAL MACHINES AND POWER USED, 1929-30 <sup>(1)</sup>.

| DESCRIPTION                              | NUMBER      |
|--|-------------|
| Power machinery . . . . .                | (2) 71,360  |
| Ploughs . . . . .                        | 201,812     |
| Harrows and cultivators . . . . .        | 334,642     |
| Sowers, drills, combines . . . . .       | 78,793      |
| Harvesters, headers, strippers . . . . . | (3) 110,807 |
| Thrashers . . . . .                      | (4) 1,907   |

(1) Data refer only to New South Wales, Victoria and South Australia. — (2) Includes reapers and binders for South Australia. — (3) Includes reapers and binders for New South Wales and Victoria. — (4) Victoria and South Australia only.

## 8. — AREA MANURED AND QUANTITY OF MANURE USED, 1929.

| SPECIFICATION  | AREA MANURED   | QUANTITY OF MANURE |               | AVERAGE QUANTITY PER ACRE |
|--|----------------|--------------------|---------------|---------------------------|
|  |                | Unit of measure    | Absolute data |                           |
|  | acres          |                    |               | loads                     |
| Natural manure (stable yard, etc.) . . . . .                 | 33,843         | loads              | 405,812       | 12.0                      |
| Artificial manure (superphosphate, bonedust, etc.) . . . . . | (1) 19,892,145 | 1,000 lb.          | 1,910,553     | 96.0                      |
| Total area manured . . . . .                                 | 19,925,988     | —                  | —             | —                         |

(1) Including area to which natural manure applied in Victoria.

Note: In addition to the areas shown above, pasture lands in New South Wales (66,797 acres), South Australia (302,114 acres), and Tasmania (52,077 acres), were top-dressed with artificial manure, the quantity of manure used being 6,505; 35,170 and 7,302 thousand lb. respectively.

## 9. — IMPROVEMENTS, 1929-30.

| SPECIFICATION                           | UNIT OF MEASURE | ABSOLUTE DATA |
|---|-----------------|---------------|
| AREA IRRIGATED . . . . .                | acres           | 770,818       |
| FARMS ON WHICH ENSILAGE MADE . . . . .  | number          | 588           |
| QUANTITY ENSILAGED . . . . .            | 1,000 lb.       | 101,318       |
| ARTESIAN AND SUB-ARTESIAN BORES:        |                 |               |
| Bores existing at end of year . . . . . | number          | 6,313         |
| Total depth of existing bores . . . . . | feet            | 5,585,183     |
| Daily flow at end of year . . . . .     | 1,000 gal.      | (1) 457,653   |
| Depth at which water was struck:        |                 |               |
| maximum . . . . .                       | feet            | 6,000         |
| minimum . . . . .                       | feet            | 10            |
| Temperature of flow:                    |                 |               |
| maximum . . . . .                       | ° F.            | 212           |
| minimum . . . . .                       | ° F.            | 75            |

1) Incomplete. See notes table 31.

## 10. — LIVESTOCK (1929) AND BEE HIVES (SEASON 1929-30).

| DESCRIPTION                             | ABSOLUTE DATA | PERCENTAGE OF TOTAL FOR EACH CATEGORY |
|---|---------------|---------------------------------------|
|   | number        | %                                     |
| HORSES . . . . .                        | 1,845,614     | —                                     |
| MULES . . . . .                         | (1) 3,633     | —                                     |
| DONKEYS . . . . .                       | (1) 10,238    | —                                     |
| CATTLE:                                 |               |                                       |
| Holsteins (2) . . . . .                 | 98,034        | 0.9                                   |
| Dairy, to milk . . . . .                | 1,770,191     | 15.9                                  |
| Dairy, dry . . . . .                    | 508,715       | 5.2                                   |
| Other, under 1 year old . . . . .       | 8,737,194     | 78.0                                  |
| Other, 1 year old and upwards . . . . . |               |                                       |
| Total . . . . .                         | 11,202,134    | 100.0                                 |
| SHEEP:                                  |               |                                       |
| Under 1 year old . . . . .              | 19,407,794    | 18.6                                  |
| 1 year old and upwards . . . . .        | 85,150,578    | 81.4                                  |
| Total . . . . .                         | 104,558,342   | 100.0                                 |
| GOATS:                                  |               |                                       |
| Angora . . . . .                        | 6,489         | 4.9                                   |
| Other . . . . .                         | 125,380       | 95.1                                  |
| Total . . . . .                         | 131,869       | 100.0                                 |
| Pigs . . . . .                          | 1,018,324     | —                                     |
| CAMELS . . . . .                        | (1) 6,252     | —                                     |
| ORANGUTANS . . . . .                    | (1) 136       | —                                     |
| BEE HIVES:                              |               |                                       |
| Productive . . . . .                    | 115,807       | 70.4                                  |
| Unproductive . . . . .                  | 48,576        | 29.6                                  |
| Total . . . . .                         | 164,383       | 100.0                                 |

(1) Exclusive of Victoria. — (2) Within three months of calving and intended for dairying.

II. — NUMBER OF HOLDINGS AND NUMBER OF SHEEP, 1928 <sup>(1)</sup>.

| CLASSIFICATION<br>according to size of holdings | NUMBER OF HOLDINGS |                         | NUMBER OF SHEEP    |                     |                         |
|---|--------------------|-------------------------|--------------------|---------------------|-------------------------|
|   | Absolute data      | Percentage of the total | Absolute data      | Average per holding | Percentage of the total |
|   | number             | %                       | number             | number              | %                       |
| 1 and under 50 acres . . . . .                  | 2,064              | 2.3                     | 96,506             | 46.8                | 0.1                     |
| 50 + + 100 + . . . . .                          | 2,813              | 3.2                     | 249,513            | 88.7                | 0.2                     |
| 100 + + 500 + . . . . .                         | 23,093             | 26.0                    | 5,093,690          | 220.5               | 4.9                     |
| 500 + + 1,000 + . . . . .                       | 21,476             | 24.1                    | 9,185,159          | 427.7               | 8.9                     |
| 1,000 + + 5,000 + . . . . .                     | 29,927             | 33.6                    | 32,813,809         | 1,096.5             | 31.7                    |
| 5,000 + + 10,000 + . . . . .                    | 3,776              | 4.2                     | 13,087,076         | 3,465.9             | 12.7                    |
| 10,000 + + 20,000 + . . . . .                   | 2,073              | 2.4                     | 10,813,765         | 5,216.5             | 18.5                    |
| 20,000 + + 50,000 + . . . . .                   | 1,532              | 1.8                     | 11,209,742         | 7,341.3             | 18.8                    |
| 50,000 + + 100,000 + . . . . .                  | 555                | 0.6                     | 5,671,395          | 10,179.1            | 5.7                     |
| 100,000 + upwards . . . . .                     | 816                | 0.9                     | 14,915,573         | 18,278.9            | 14.4                    |
| Ill-defined areas . . . . .                     | 832                | 0.9                     | 93,958             | 112.9               | 0.1                     |
| <b>Total . . . . .</b>                          | <b>89,017</b>      | <b>100.0</b>            | <b>103,429,586</b> | <b>1,161.9</b>      | <b>100.0</b>            |

(1) Data of Northern Territory not available.

12. — CLASSIFICATION OF FLOCKS AND NUMBER OF SHEEP, 1928 <sup>(1)</sup>.

| CLASSIFICATION<br>according to size of flocks | NUMBER OF FLOCKS |                         | NUMBER OF SHEEP    |                   |                         |
|---|------------------|-------------------------|--------------------|-------------------|-------------------------|
|   | Absolute data    | Percentage of the total | Absolute data      | Average per flock | Percentage of the total |
|   | number           | %                       | number             | number            | %                       |
| Under 500 head . . . . .                      | 50,749           | 57.0                    | 9,660,516          | 190.4             | 9.3                     |
| 500 head and under 1,000 . . . . .            | 16,361           | 18.4                    | 11,473,437         | 701.3             | 11.1                    |
| 1,000 + + 2,000 . . . . .                     | 10,896           | 12.2                    | 15,169,555         | 1,392.2           | 14.7                    |
| 2,000 + + 5,000 . . . . .                     | 7,260            | 8.2                     | 22,041,667         | 3,036.0           | 21.3                    |
| 5,000 + + 10,000 . . . . .                    | 2,265            | 2.5                     | 15,574,699         | 6,876.2           | 15.1                    |
| 10,000 + + 20,000 . . . . .                   | 1,056            | 1.2                     | 14,584,168         | 13,810.8          | 14.1                    |
| 20,000 + + 50,000 . . . . .                   | 576              | 0.4                     | 10,958,601         | 29,145.2          | 10.6                    |
| 50,000 + + 100,000 . . . . .                  | 50               | 0.1                     | 3,410,578          | 68,211.6          | 3.3                     |
| 100,000 + + upwards . . . . .                 | 4                | 0.0                     | 514,391            | 128,597.7         | 0.5                     |
| Travelling flocks . . . . .                   | —                | —                       | 42,064             | —                 | —                       |
| <b>Total . . . . .</b>                        | <b>89,017</b>    | <b>100.0</b>            | <b>103,429,586</b> | <b>1,161.9</b>    | <b>100.0</b>            |

(1) Data of Northern Territory not available.

## 13. — LIVESTOCK PRODUCTS, 1929-30.

| SPECIFICATION                                      | ABSOLUTE DATA      | PERCENTAGE OF EACH KIND | VALUE             |
|--|--------------------|-------------------------|-------------------|
|  | 1,000 Imp. gallons | %                       | £                 |
| <b>MILK:</b>                                       |                    |                         |                   |
| Used for butter . . . . .                          | (1) 637,720        | 77.0                    | —                 |
| Used for cheese . . . . .                          | 47,372             | 5.7                     | —                 |
| Used for condensing or evaporating . . . . .       | 143,628            | 17.3                    | —                 |
| Used for other purposes . . . . .                  | —                  | —                       | —                 |
| <b>Total . . . . .</b>                             | <b>828,520</b>     | <b>100.0</b>            | <b>—</b>          |
| <b>BUTTER:</b>                                     |                    |                         |                   |
| Made in factories . . . . .                        | 1,000 lb. 282,961  | 96.3                    | —                 |
| Made on dairy and other farms . . . . .            | 17,920             | 5.7                     | —                 |
| <b>Total . . . . .</b>                             | <b>299,081</b>     | <b>100.0</b>            | <b>27,696,063</b> |
| <b>CHEESE:</b>                                     |                    |                         |                   |
| Made in factories . . . . .                        | 29,585             | 96.0                    | —                 |
| Made on dairy and other farms . . . . .            | 588                | 2.0                     | —                 |
| <b>Total . . . . .</b>                             | <b>30,173</b>      | <b>100.0</b>            | <b>1,397,728</b>  |
| <b>CONDENSED AND CONCENTRATED MILK:</b>            | (2) 39,752         | —                       | —                 |
| <b>STERILIZED MILK:</b>                            | (2) 11,629         | —                       | —                 |
| <b>BACON AND HAMS:</b>                             |                    |                         | 5,612,202         |
| From factories . . . . .                           | 67,247             | 95.9                    | —                 |
| From dairy and other farms . . . . .               | 2,853              | 4.1                     | —                 |
| <b>Total . . . . .</b>                             | <b>70,100</b>      | <b>100.0</b>            | <b>5,612,202</b>  |
| <b>WOOL:</b>                                       |                    |                         |                   |
| Shorn . . . . .                                    | 843,119            | 89.9                    | —                 |
| Dead and fullmorged Wool . . . . .                 | 34,696             | 3.7                     | —                 |
| Estimated quantity reported on skins . . . . .     | 59,781             | 6.4                     | —                 |
| <b>Total . . . . .</b>                             | <b>937,596</b>     | <b>100.0</b>            | <b>44,222,000</b> |
| <b>MEATS:</b>                                      |                    |                         |                   |
| Beef: Domestic consumption . . . . .               | 675,805            | 81.2                    | 17,148,542        |
| Carcases exported . . . . .                        | 156,749            | 18.8                    | 2,569,789         |
| <b>Total . . . . .</b>                             | <b>832,554</b>     | <b>100.0</b>            | <b>19,718,330</b> |
| Mutton and lamb: Domestic consumption . . . . .    | 505,220            | 83.4                    | 8,520,062         |
| Carcases exported . . . . .                        | 100,411            | 16.6                    | 2,386,186         |
| <b>Total . . . . .</b>                             | <b>605,631</b>     | <b>100.0</b>            | <b>10,906,248</b> |
| Rabbits and hares (exported) . . . . .             | (*) 7,746,674      | —                       | 339,917           |
| Other meats, frozen and other (exported) . . . . . | (3) —              | —                       | 165,922           |
| Seaweed cuttings (exported) . . . . .              | 5,032              | —                       | 426,415           |
| <b>Total . . . . .</b>                             | <b>—</b>           | <b>—</b>                | <b>31,556,832</b> |
| <b>SKINS:</b>                                      |                    |                         |                   |
| Cattle and calves (exported) . . . . .             | (*) 1,036,243      | —                       | 857,360           |
| Sheep (exported) . . . . .                         | (*) 13,235,605     | —                       | 1,650,145         |
| Rabbits and hares (exported) . . . . .             | 8,763              | —                       | 1,525,117         |
| Other furs . . . . .                               | (3) —              | —                       | 1,841,524         |
| Other skins . . . . .                              | (3) —              | —                       | 3,638             |
| Consumption in factories . . . . .                 | (3) —              | —                       | 1,859,360         |
| <b>Total . . . . .</b>                             | <b>—</b>           | <b>—</b>                | <b>7,795,736</b>  |
| <b>HAYS, HONES, etc. (EXPORTS):</b>                | (3) —              | —                       | 81,350            |
| <b>TALLOW:</b>                                     |                    |                         |                   |
| Domestic consumption . . . . .                     | 54,354             | 44.8                    | 804,144           |
| Exported . . . . .                                 | 67,636             | 55.2                    | 991,592           |
| <b>Total . . . . .</b>                             | <b>121,990</b>     | <b>100.0</b>            | <b>1,795,736</b>  |
| <b>HONEY:</b>                                      | 7,324              | —                       | 148,931           |
| <b>BITTERS:</b>                                    | 96                 | —                       | 7,535             |

(\*) Number.

(1) Including milk used for making cheese Western Australia. — (2) Data for Victoria only; including 2,569 thousand lb. of mutton and 69 thousand lb. of other milk products. — (3) Data not available.

## 14. — WOOL-DESCRIPTIONS SOLD LOCALLY, SEASON 1929-30.

| DESCRIPTION                              | ABSOLUTE DATA |               | PERCENTAGE OF EACH DESCRIPTION |
|--|---------------|---------------|--------------------------------|
|  | bales         | 1,000 lb. (1) | %                              |
| Greasy . . . . .                         | 2,464,058     | 755,912       | 96.5                           |
| Scoured . . . . .                        | 89,263        | 19,633        | 3.5                            |
| Total . . . . .                          | 2,553,321     | 774,545       | 100.0                          |
| Fleeces, etc. . . . .                    | 2,415,187 (2) | 732,814       | 94.6                           |
| Lambs . . . . .                          | 138,134 (2)   | 41,731        | 5.4                            |
| Total . . . . .                          | 2,553,321 (2) | 774,545       | 100.0                          |
| Merino . . . . .                         | 2,133,320 (2) | 644,505       | 83.2                           |
| Crossbred and all other breeds . . . . . | 420,001 (2)   | 130,140       | 16.8                           |
| Total . . . . .                          | 2,553,321 (2) | 774,645       | 100.0                          |

(1) Coefficient: greasy, 1 bale = 306.41 lb.; scoured and washed, 1 bale = 219.94 lb. — (2) The weight in pounds has been calculated on the assumption that the proportions of greasy and scoured bales are the same as those of the total number of bales, that is, 96.5 % and 3.5 % respectively.

## 15. — SLAUGHTERING RETURNS, 1929.

| SPECIFICATION    | SLAUGHTERED FOR |              |            |
|------------------|-----------------|--------------|------------|
|                  | Consumption     | Boiling-down | Total      |
|                  | number          | number       | number     |
| Cattle . . . . . | 1,954,115       | 12,436       | 1,966,551  |
| Sheep . . . . .  | 15,847,844      | 63,578       | 15,911,422 |
| Pigs . . . . .   | 1,333,362       | 5,639        | 1,339,001  |

## 16. — PERSONS PERMANENTLY ENGAGED IN FARM WORK IN 1929-30 (\*) (1).

| CLASSIFICATION                              | Sex     |        | Total         |                             |
|---|---------|--------|---------------|-----------------------------|
|   | Male    | Female | Absolute data | Percentage of general total |
|   | number  | number | number        | %                           |
| Farming (cultivating) principally . . . . . | 193,826 | 6,657  | 200,483       | 48.5                        |
| Dairying principally . . . . .              | 94,489  | 37,815 | 132,304       | 31.2                        |
| Pastoral pursuits principally (2) . . . . . | 82,917  | 3,273  | 86,190        | 20.3                        |
| Total persons employed . . . . .            | 376,232 | 47,745 | 423,977       | 100.0                       |

(\*) The numbers employed as shown in the table refer to persons permanently engaged in farm work and exclude, therefore, all casual labour, such as shearers, harvesters, fruit-pickers, cane-cutters, etc.

(1) Northern Territory and Federal Capital Territory not included. Including Aborigines and Asiatics for Western Australia.

(2) Particulars for Queensland not available.

NOTE: It is probable that some of the females shown in the above table were only partly engaged in rural occupations, the balance of their time being devoted to domestic duties.

## B — DETAILS ACCORDING TO STATES AND TERRITORIES



## 17. — AREA ON 31

| CLASSIFICATION                           | New South Wales |            | Victoria |
|--|-----------------|------------|----------|
|  | acres           | acres      |          |
| Alienated land . . . . .                 | 43,491,984      | 26,204,928 |          |
| Land in process of alienation . . . . .  | 23,153,865      | 7,918,032  |          |
| Leased or licensed Crown lands . . . . . | 114,164,082     | 7,539,416  |          |
| Other Crown lands . . . . .              | (2) 17,226,569  | 14,585,324 |          |
| Total area . . . . .                     | 198,036,500     | 56,247,700 |          |

(1) For New South Wales and Western Australia data refer to 30 June. — (2) Includes Lord Howe Island, 3,220 acres.

## 18. — NUMBER OF PRIVATE HOLDINGS AND THEIR

| CLASSIFICATION<br>OF HOLDINGS ACCORDING TO SIZE | New South Wales |        | Victoria |
|---|-----------------|--------|----------|
|   | number          | number |          |
| Land under 50 acres . . . . .                   | 14,190          | 19,791 |          |
| 50 and under 100 acres . . . . .                | 7,527           | 8,388  |          |
| 100 and under 500 acres . . . . .               | 25,719          | 25,979 |          |
| 500 and under 1,000 acres . . . . .             | 11,394          | 12,440 |          |
| 1,000 and under 5,000 acres . . . . .           | 10,948          | 6,020  |          |
| 5,000 and under 10,000 acres . . . . .          | 1,255           | 297    |          |
| 10,000 and under 20,000 acres . . . . .         | 524             | 90     |          |
| 20,000 and under 50,000 acres . . . . .         | 214             | 15     |          |
| 50,000 acres and over . . . . .                 | 59              | —      |          |
| Total . . . . .                                 | 71,830          | 73,938 |          |

(1) Data for New South Wales relate to the year 1924-25.

## DECEMBER 1929. (1)

| STATES      |                 |                   |            | TERRITORIES        |                           | TOTAL         |
|-------------|-----------------|-------------------|------------|--------------------|---------------------------|---------------|
| Queensland  | South Australia | Western Australia | Tasmania   | Northern Territory | Federal Capital Territory |               |
| acres       | acres           | acres             | acres      | acres              | acres                     | acres         |
| 18,485,184  | 12,004,959      | 15,594,254        | 5,698,697  | 477,853            | 46,968                    | 120,005,827   |
| 5,911,240   | 2,933,568       | 21,804,506        | 560,070    | —                  | 60,844                    | 65,342,125    |
| 317,563,259 | 118,249,913     | 243,724,065       | 4,335,635  | 140,905,274        | 288,919                   | 954,970,623   |
| 86,959,317  | 109,056,360     | 345,465,975       | 6,183,598  | 185,733,673        | (3) 294,849               | 765,413,665   |
| 629,120,600 | 243,244,800     | 624,588,800       | 16,778,000 | 335,116,800        | 401,580                   | 1,903,732,240 |

particulars of which are not available. — (3) Includes Jervis Bay 17,320 acres.

## DISTRIBUTION ACCORDING TO SIZE, 1928-29. (1)

| STATES     |                 |                   |          | TERRITORIES        |                           | TOTAL   |
|------------|-----------------|-------------------|----------|--------------------|---------------------------|---------|
| Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |         |
| number     | number          | number            | number   | number             | number                    | number  |
| —          | 4,202           | 4,812             | 3,164    | —                  | 3                         | 48,162  |
| —          | 1,776           | 874               | 2,100    | —                  | 1                         | 20,674  |
| —          | 5,907           | 3,093             | 4,779    | —                  | 19                        | 65,496  |
| —          | 4,570           | 3,204             | 726      | —                  | 18                        | 32,361  |
| —          | 4,632           | 2,768             | 775      | —                  | 15                        | 31,067  |
| —          | 133             | 440               | 146      | —                  | 3                         | 2,274   |
| —          | 33              | 116               | 67       | —                  | 1                         | 831     |
| —          | 8               | 23                | 29       | —                  | —                         | 289     |
| —          | —               | 7                 | 5        | —                  | —                         | 71      |
| —          | 33,261          | 20,337            | 11,399   | —                  | 90                        | 201,225 |

## 19. — AREA OF PRIVATE HOLDINGS AND THEIR

| CLASSIFICATION<br>OF HOLDINGS ACCORDING TO SIZE | STATES             |            | Total |
|---|--------------------|------------|-------|
|   | New South<br>Wales | Victoria   |       |
|   | acres              | acres      | acres |
| 1 and under 50 acres . . . . .                  | 322,082            | 374,677    |       |
| 50 and under 100 acres . . . . .                | 584,269            | 601,533    |       |
| 100 and under 500 acres . . . . .               | 6,759,650          | 6,384,766  |       |
| 500 and under 1,000 acres . . . . .             | 8,056,717          | 8,823,038  |       |
| 1,000 and under 5,000 acres . . . . .           | 21,865,261         | 11,858,819 |       |
| 5,000 and under 10,000 acres . . . . .          | 8,587,485          | 2,047,281  |       |
| 10,000 and under 20,000 acres . . . . .         | 7,240,069          | 1,196,469  |       |
| 20,000 and under 50,000 acres . . . . .         | 6,374,610          | 390,878    |       |
| 50,000 and over . . . . .                       | 5,337,288          | —          |       |
| Total . . . . .                                 | 65,107,631         | 31,682,459 |       |

(1) Data for New South Wales relate to the year 1924-25.

## 20. — DISTRIBUTION OF AREA

| CLASSIFICATION                            | STATES             |            | Total |
|---|--------------------|------------|-------|
|   | New South<br>Wales | Victoria   |       |
|   | acres              | acres      | acres |
| Area owned by farmers . . . . .           | 69,751,943         | 22,086,675 |       |
| Area rented from others . . . . .         | 3,479,432          | 2,348,645  |       |
| Area operated under Crown lease . . . . . | 99,304,307         | 13,902,999 |       |
| Total . . . . .                           | 172,535,682        | 38,338,319 |       |

## 21. — UTILIZATION OF AREA MAINLY

| CLASSIFICATION  | STATES             |           | Total |
|---|--------------------|-----------|-------|
|   | New South<br>Wales | Victoria  |       |
|   | acres              | acres     | acres |
| Area under crops on stable land . . . . .   | 5,407,825          | 5,457,844 |       |
| Vineyards, olive groves, orchards and fruit gardens:  |                    |           |       |
| productive . . . . .  | 74,971             | 104,827   |       |
| unproductive . . . . .  | 18,150             | 16,587    |       |
| Total . . . . .   | 93,121             | 121,414   |       |
| Total area under crops . . . . .  | 5,500,946          | 5,579,258 |       |
| Fallow, i. e. land broken up but not cropped during season . . . . .                        | 1,359,805          | 2,482,662 |       |
| New ground cleared during season and previously cropped land unused during season . . . . . | 3,722,738          | —         |       |
| Total of area mainly devoted to agriculture . . . . .                                       | 10,583,487         | 8,061,920 |       |

(1) Data of Northern Territory are for 1922-23.

## DISTRIBUTION ACCORDING TO SIZE, 1928-29. (1)

|   | STATES     |                 |                   |           | TERRITORIES        |                           | Total       |
|---|------------|-----------------|-------------------|-----------|--------------------|---------------------------|-------------|
|   | Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory |             |
|   | acres      | acres           | acres             | acres     | acres              | acres                     |             |
| — | —          | 113,921         | 63,130            | 58,351    | —                  | 91                        | 932,252     |
| — | —          | 143,072         | 72,827            | 147,259   | —                  | 65                        | 1,549,025   |
| — | —          | 1,745,181       | 746,982           | 1,035,434 | —                  | 5,267                     | 16,717,280  |
| — | —          | 3,409,573       | 2,756,642         | 593,506   | —                  | 12,778                    | 23,657,254  |
| — | —          | 8,277,929       | 16,394,494        | 1,600,262 | —                  | 30,050                    | 69,026,815  |
| — | —          | 912,394         | 3,083,200         | 1,017,754 | —                  | 21,354                    | 15,589,468  |
| — | —          | 457,244         | 1,588,720         | 924,784   | —                  | 12,600                    | 11,419,886  |
| — | —          | 188,305         | 617,372           | 812,306   | —                  | —                         | 8,384,069   |
| — | —          | —               | 519,326           | 383,633   | —                  | —                         | 6,240,247   |
| — | —          | 15,247,619      | 25,763,293        | 6,433,289 | —                  | 82,205                    | 144,516,296 |

## ACCORDING TO TENURE, 1929-30.

|   | STATES     |                 |                   |           | TERRITORIES        |                           | Total       |
|---|------------|-----------------|-------------------|-----------|--------------------|---------------------------|-------------|
|   | Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory |             |
|   | acres      | acres           | acres             | acres     | acres              | acres                     |             |
| — | —          | 14,961,503      | 26,016,758        | 4,116,053 | —                  | 88,522                    | 137,021,454 |
| — | —          | 1,056,243       | 704,991           | 721,327   | —                  | 2,100                     | 8,312,738   |
| — | —          | 116,656,932     | 205,162,329       | 1,709,908 | —                  | 230,952                   | 434,967,427 |
| — | —          | 132,674,678     | 229,884,078       | 6,547,288 | —                  | 321,574                   | 580,301,619 |

## DEVOTED TO AGRICULTURE, 1929-30. (1)

|           | STATES     |                 |                   |          | TERRITORIES        |                           | Total |
|-----------|------------|-----------------|-------------------|----------|--------------------|---------------------------|-------|
|           | Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |       |
|           | acres      | acres           | acres             | acres    | acres              | acres                     |       |
| 1,006,074 | 4,884,514  | 4,542,182       | 233,158           | 609      | 4,386              | 21,536,592                |       |
| 29,453    | 75,145     | 10,045          | 30,220            | —        | 34                 | 333,695                   |       |
| 10,708    | 7,257      | 4,774           | 1,819             | —        | 19                 | 59,434                    |       |
| 49,161    | 82,402     | 29,819          | 32,159            | —        | 53                 | 392,129                   |       |
| 1,046,222 | 4,966,916  | 4,586,007       | 265,377           | 609      | 4,439              | 21,929,721                |       |
| 85,990    | 2,291,964  | 2,597,846       | 52,902            | —        | —                  | 8,875,169                 |       |
| 149,579   | 2,699,264  | 4,319,304       | 228,678           | 868      | 300                | 11,120,729                |       |
| 1,281,804 | 9,960,144  | 11,483,151      | 546,897           | 1,477    | 4,739              | 41,923,619                |       |



## 22. — UTILIZATION OF AREA UNDER

| CROPS   | STATES          |            | TOTAL      |
|---|-----------------|------------|------------|
|   | New South Wales | Victoria   |            |
|   | acres           | acres      | acres      |
| Cotton:   |                 |            |            |
| productive . . . . .                            | —               | —          | —          |
| unproductive . . . . .                          | —               | —          | —          |
| Total . . . . .                                 | —               | —          | —          |
| Linseed . . . . .                               | —               | 703        | 703        |
| New Zealand flax . . . . .                      | —               | 70         | 70         |
| Peanut . . . . .                                | 11              | —          | 11         |
| Sunflowers . . . . .                            | —               | 157        | 157        |
| Tobacco . . . . .                               | 446             | 1,822      | 2,268      |
| Hops . . . . .                                  | —               | 201        | 201        |
| Chicory . . . . .                               | —               | 469        | 469        |
| Brown millet . . . . .                          | 2,521           | 1,677      | 4,198      |
| Total . . . . .                                 | 18,403          | 7,599      | 25,999     |
| VEGETABLES:                                     |                 |            |            |
| Artichokes . . . . .                            | —               | 3          | 3          |
| Asparagus . . . . .                             | 9               | (1)        | 10         |
| Beans, green . . . . .                          | 930             | (1)        | 931        |
| Brussels sprouts . . . . .                      | 2               | (1)        | 3          |
| Cabbages . . . . .                              | 654             | (1)        | 655        |
| Cauliflower . . . . .                           | 228             | (1)        | 229        |
| Cucumbers . . . . .                             | 12              | (1)        | 13         |
| Lettuce . . . . .                               | 2               | (1)        | 3          |
| Onions . . . . .                                | 131             | 7,828      | 7,959      |
| Peas, green . . . . .                           | 7,862           | (1)        | 7,863      |
| Pumpkins and melons . . . . .                   | 2,818           | 1,231      | 4,049      |
| Market gardens . . . . .                        | 8,380           | 21,210     | 29,590     |
| Tomatoes . . . . .                              | 2,188           | —          | 2,188      |
| Total . . . . .                                 | 23,196          | 30,272     | 53,468     |
| CROPS GROWN FOR SEED:                           |                 |            |            |
| Oats . . . . .                                  | —               | —          | —          |
| Canary seed . . . . .                           | —               | —          | —          |
| Grain and other seeds . . . . .                 | (12)            | 1,678      | 1,686      |
| Total . . . . .                                 | —               | 1,678      | 1,678      |
| ALL OTHER CROPS . . . . .                       | (13) 773        | (14) 1,223 | 2,000      |
| Total area under crops on arable land . . . . . | 5,407,825       | 5,457,844  | 10,865,669 |

(1) Included with turkeys. — (2) Information not available. — (3) Includes carrots and edible beet. — (4) Mostly oats but (7) includes barley, rye and other plants for hay. — (8) Included in rye. — (9) Including 200 acres not productive. — (10) Includes other crops. — (11) Experimental plots 131 acres; grammas 1; marrow 1; nurseries 624; squash 2; stage-cane plants 14; total 773. — (12) Area included under hay, green lounge and 12 acres; cow peas 465; total 477. — (13) Nurseries 177 acres. — (14) Kitchen gardens 583 acres; nurseries 105; total 688.

## CROPS ON ARABLE LAND, 1929-30 (concluded).

| CROPS   | STATES     |                 |                   |            | TERRITORIES        |                           | TOTAL      |
|---|------------|-----------------|-------------------|------------|--------------------|---------------------------|------------|
|   | Queensland | South Australia | Western Australia | Tasmania   | Northern Territory | Federal Capital Territory |            |
|   | acres      | acres           | acres             | acres      | acres              | acres                     | acres      |
| Cotton:   |            |                 |                   |            |                    |                           |            |
| productive . . . . .                            | 15,003     | —               | —                 | —          | —                  | —                         | 15,003     |
| unproductive . . . . .                          | 12,656     | —               | —                 | —          | —                  | —                         | 12,656     |
| Total . . . . .                                 | 27,659     | —               | —                 | —          | —                  | —                         | 27,659     |
| Linseed . . . . .                               | —          | —               | —                 | 805        | —                  | —                         | 805        |
| New Zealand flax . . . . .                      | —          | —               | —                 | —          | —                  | —                         | —          |
| Peanut . . . . .                                | 5,582      | —               | 16                | —          | (9) 600            | —                         | 6,200      |
| Sunflowers . . . . .                            | —          | —               | —                 | —          | —                  | —                         | —          |
| Tobacco . . . . .                               | 199        | 37              | 6                 | —          | —                  | —                         | 242        |
| Hops . . . . .                                  | —          | 1               | —                 | (10) 1,196 | —                  | —                         | 1,197      |
| Chicory . . . . .                               | —          | 22              | —                 | —          | —                  | —                         | 22         |
| Brown millet . . . . .                          | 378        | —               | —                 | —          | —                  | —                         | 378        |
| Total . . . . .                                 | 325,438    | 60              | 22                | 2,067      | 600                | —                         | 354,187    |
| VEGETABLES:                                     |            |                 |                   |            |                    |                           |            |
| Artichokes . . . . .                            | —          | (1)             | (1)               | (2)        | —                  | —                         | 3          |
| Asparagus . . . . .                             | —          | (1)             | (1)               | (1)        | —                  | —                         | 3          |
| Beans, green . . . . .                          | 1,188      | (1)             | (1)               | (1)        | —                  | —                         | 2,188      |
| Brussels sprouts . . . . .                      | —          | (1)             | (1)               | (1)        | —                  | —                         | 3          |
| Cabbages . . . . .                              | 1,464      | (1)             | (1)               | (1)        | —                  | —                         | 2,326      |
| Cauliflower . . . . .                           | 363        | (1)             | (1)               | (1)        | —                  | —                         | 375        |
| Cucumbers . . . . .                             | —          | (1)             | (1)               | (1)        | —                  | —                         | 3          |
| Lettuce . . . . .                               | 467        | 452             | 56                | —          | —                  | 1                         | 8,955      |
| Onions . . . . .                                | 814        | (1)             | (1)               | (1)        | —                  | —                         | 8,676      |
| Peas, green . . . . .                           | 11,014     | 314             | 1,065             | —          | —                  | 4                         | 16,446     |
| Pumpkins and melons . . . . .                   | 862        | 1,658           | 3,075             | 530        | —                  | 10                        | 35,725     |
| Market gardens . . . . .                        | 4,165      | 635             | —                 | 61         | 4                  | 1                         | 7,054      |
| Tomatoes . . . . .                              | 20,337     | 3,619           | 4,196             | 591        | 4                  | 16                        | 81,671     |
| Total . . . . .                                 | 20,337     | 3,619           | 4,196             | 591        | 4                  | 16                        | 81,671     |
| CROPS GROWN FOR SEED:                           |            |                 |                   |            |                    |                           |            |
| Oats . . . . .                                  | 948        | —               | —                 | —          | —                  | —                         | 948        |
| Canary seed . . . . .                           | 1,866      | 1,991           | (2)               | 761        | —                  | —                         | 6,288      |
| Grain and other seeds . . . . .                 | 2,914      | 1,391           | —                 | 761        | —                  | —                         | 7,236      |
| Total . . . . .                                 | 5,728      | 3,382           | 2                 | 1,522      | —                  | —                         | 10,634     |
| ALL OTHER CROPS . . . . .                       | (15) 477   | (16) 177        | (17) 686          | (18) 300   | —                  | —                         | 4,136      |
| Total area under crops on arable land . . . . . | 1,006,074  | 4,884,514       | 4,542,182         | 233,158    | 609                | 4,386                     | 21,536,592 |

includes a small proportion of wheat and other hay. — (5) Included with alfalfa. — (6) Includes other plants for hay. — (7) Including 29 acres not bearing. — (8) Included with Market gardens. — (9) Area included under hay, green lounge and — (10) Nurseries 1,266 acres; flowers 355; garlic 2; herbs and scent plants 33; agricultural seeds 67; total 1,723. — (11) Coffee (18) Artichokes, nurseries, etc.; 360 acres.

## 23. — TOTAL PRODUCTION OF

| CROPS (*)                         | New South Wales  |                  | Victoria  |           |
|-----------------------------------|------------------|------------------|-----------|-----------|
|                                   | 1,000 lb.        | 1,000 lb.        | 1,000 lb. | 1,000 lb. |
| <b>CEREALS CUT FOR GRAIN:</b>     |                  |                  |           |           |
| Wheat . . . . .                   | 2,064,420        | 1,524,755        |           |           |
| Oats . . . . .                    | 101,144          | 202,342          |           |           |
| Barley, malting . . . . .         | 3,723            | 66,901           |           |           |
| Barley, other . . . . .           | 1,959            | 40,265           |           |           |
| Rye . . . . .                     | 3,418            | 664              |           |           |
| Maise . . . . .                   | 170,008          | 29,888           |           |           |
| Rice . . . . .                    | 76,825           | —                |           |           |
| <b>LEGUMINOUS PLANTS:</b>         |                  |                  |           |           |
| Beans . . . . .                   | —                | 1,072            |           |           |
| Peas . . . . .                    | —                | 11,618           |           |           |
| <b>TUBER AND ROOT CROPS:</b>      |                  |                  |           |           |
| Beet, edible . . . . .            | 49               | (2)              |           |           |
| Potatoes, ordinary . . . . .      | 53,552           | 384,713          |           |           |
| Potatoes, sweet . . . . .         | 9,619            | —                |           |           |
| Turnips . . . . .                 | 7,302 (4)        | 4,028            |           |           |
| Mangels . . . . .                 | 255              | 12,467           |           |           |
| Carrots . . . . .                 | 114              | (2)              |           |           |
| Arrowroot . . . . .               | 157              | —                |           |           |
| Other root crops . . . . .        | 1,030            | —                |           |           |
| <b>CULTIVATED PLANTS FOR HAY:</b> |                  |                  |           |           |
| Wheat . . . . .                   | 697,171          | 266,838          |           |           |
| Oats . . . . .                    | 501,417          | 1,798,570        |           |           |
| Barley . . . . .                  | 3,015            | —                |           |           |
| Rye . . . . .                     | 1,500            | —                |           |           |
| Alfalfa . . . . .                 | 335,691 (6)      | 91,912           |           |           |
| Other plants for hay . . . . .    | —                | —                |           |           |
| <i>Total hay . . . . .</i>        | <i>1,538,794</i> | <i>2,157,320</i> |           |           |
| <b>Straw:</b>                     |                  |                  |           |           |
| Wheat . . . . .                   | —                | —                |           |           |
| Oats . . . . .                    | 8,196            | 66,639           |           |           |
| Other . . . . .                   | —                | —                |           |           |
| <i>Total . . . . .</i>            | <i>8,196</i>     | <i>66,639</i>    |           |           |

## PRINCIPAL CROPS, 1929-30.

| CROPS (*)                         | States         |                 |                   |                | Territories            |                           | TOTAL            |
|-----------------------------------|----------------|-----------------|-------------------|----------------|------------------------|---------------------------|------------------|
|                                   | Queensland     | South Australia | Western Australia | Tasmania       | Northern (1) Territory | Federal Capital Territory |                  |
|                                   | 1,000 lb.      | 1,000 lb.       | 1,000 lb.         | 1,000 lb.      | 1,000 lb.              | 1,000 lb.                 | 1,000 lb.        |
| Wheat . . . . .                   | 254,110        | 1,400,706       | 2,344,871         | 22,551         | —                      | 1,664                     | 2,613,077        |
| Oats . . . . .                    | 1,540          | 62,571          | 162,326           | 47,002         | —                      | 42                        | 576,907          |
| Barley, malting . . . . .         | 6,990          | 225,360         | 9,775             | 7,483          | —                      | —                         | 321,942          |
| Barley, other . . . . .           | 3,298          | 7,732           | 3,319             | 806            | —                      | 50                        | 52,499           |
| Rye . . . . .                     | 22             | 255             | 163               | —              | —                      | —                         | 4,520            |
| Maise . . . . .                   | 245,079        | —               | 19                | —              | —                      | —                         | 444,094          |
| Rice . . . . .                    | 1              | —               | 5                 | —              | —                      | —                         | 76,831           |
| <b>LEGUMINOUS PLANTS:</b>         |                |                 |                   |                |                        |                           |                  |
| Beans . . . . .                   | 29             | 1               | 25                | 763            | —                      | —                         | 1,890            |
| Peas . . . . .                    | 78             | 4,524           | 1,021             | 26,632         | —                      | —                         | 46,875           |
| <b>TUBER AND ROOT CROPS:</b>      |                |                 |                   |                |                        |                           |                  |
| Beet, edible . . . . .            | —              | 907             | (3)               | —              | —                      | 4                         | 960              |
| Potatoes, ordinary . . . . .      | 29,599         | 33,578          | 61,701            | 204,147        | —                      | 20                        | 767,312          |
| Potatoes, sweet . . . . .         | 15,718         | —               | 25                | —              | (3)                    | —                         | 25,362           |
| Turnips . . . . .                 | 1,669          | 3,947           | 1,478             | 56,280         | —                      | 2                         | 74,706           |
| Mangels . . . . .                 | 1,355          | 936             | 663               | 16,153         | —                      | 2                         | 31,771           |
| Carrots . . . . .                 | —              | 1,837           | (3)               | 5,398          | —                      | —                         | 7,349            |
| Arrowroot . . . . .               | 10,909         | —               | —                 | —              | —                      | —                         | 11,066           |
| Other root crops . . . . .        | 56             | 719             | 24                | —              | —                      | —                         | 1,879            |
| <b>CULTIVATED PLANTS FOR HAY:</b> |                |                 |                   |                |                        |                           |                  |
| Wheat . . . . .                   | 8,093          | 613,682         | 513,728           | —              | —                      | 340                       | 2,099,852        |
| Oats . . . . .                    | 7,591          | 345,361         | 414,509 (5)       | 268,352        | —                      | 3,700                     | 3,339,980        |
| Barley . . . . .                  | 159            | 6,496           | 231               | —              | —                      | —                         | 9,981            |
| Rye . . . . .                     | 43             | 2,283 (5)       | 29,369            | —              | —                      | 137                       | 33,332           |
| Alfalfa . . . . .                 | 151,216        | 19,652          | 1,138             | —              | —                      | 152                       | 599,261          |
| Other plants for hay . . . . .    | 11,164         | 10,624          | —                 | —              | —                      | —                         | 21,788           |
| <i>Total hay . . . . .</i>        | <i>179,266</i> | <i>988,098</i>  | <i>959,495</i>    | <i>268,352</i> | <i>—</i>               | <i>4,329</i>              | <i>6,104,674</i> |
| <b>Straw:</b>                     |                |                 |                   |                |                        |                           |                  |
| Wheat . . . . .                   | 2,036          | 4,086           | 571               | —              | —                      | —                         | 6,693            |
| Oats . . . . .                    | 114            | 1,185           | 323               | 83,839         | —                      | —                         | 167,713          |
| Other . . . . .                   | 49             | 579             | 96                | —              | —                      | —                         | 1,193            |
| <i>Total . . . . .</i>            | <i>2,199</i>   | <i>5,650</i>    | <i>990</i>        | <i>83,839</i>  | <i>—</i>               | <i>—</i>                  | <i>167,713</i>   |

## 23. — TOTAL PRODUCTION OF

| CROPS (*)                             | New South Wales |           | Victoria  |
|---------------------------------------|-----------------|-----------|-----------|
|                                       | 1,000 lb.       | 1,000 lb. | 1,000 lb. |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b> |                 |           |           |
| Sugar-cane . . . . .                  | 350,006         | —         | —         |
| Cane-sugar . . . . .                  | 43,832          | —         | —         |
| Sugar-beet . . . . .                  | —               | —         | 59,416    |
| Beet-sugar . . . . .                  | —               | —         | 6,373     |
| Cotton, unspinned . . . . .           | —               | —         | —         |
| Linseed . . . . .                     | —               | —         | (7)       |
| Peanuts . . . . .                     | (7)             | —         | —         |
| Sunflowers . . . . .                  | —               | —         | 121       |
| Tobacco . . . . .                     | 217             | (7)       | —         |
| Hops . . . . .                        | —               | —         | 416       |
| Clovers . . . . .                     | —               | (8)       | 715       |
| Brown millet: fibre . . . . .         | 1,467           | —         | 608       |
| "    : grain . . . . .                | 724             | —         | 201       |
| <b>VEGETABLES:</b>                    |                 |           |           |
| Artichokes . . . . .                  | —               | —         | 34        |
| Beans, green . . . . .                | (7)             | —         | —         |
| Cabbages . . . . .                    | (7)             | —         | —         |
| Cauliflower . . . . .                 | (7)             | —         | —         |
| Cucumbers . . . . .                   | (7)             | —         | —         |
| Onions . . . . .                      | 979             | —         | 97,767    |
| Peas, green . . . . .                 | (7)             | —         | —         |
| Pumpkins and melons . . . . .         | 19,951          | —         | 11,550    |
| Tomatoes . . . . .                    | 13,617          | —         | —         |
| <b>CROPS GROWN FOR SEED:</b>          |                 |           |           |
| Canary seed . . . . .                 | —               | —         | —         |
| Grass and other seeds . . . . .       | 2,261           | —         | 1,439     |

(\*) Yield of other crops: Victoria, garlic 9 thousand lb.; Queensland, coffee 5 thousand lb.; cow peas 263 thousand lb.  
 (1) Yields omitted, sufficient data not available. — (2) Included with turnips. — (3) Information not available. — (4) Includes  
 available. — (5) Dried. — (6) Green.

## PRINCIPAL CROPS, 1929-30 (concluded).

| CROPS (*)                     | STATES                  |                                 |                                   |                       | TERRITORIES                            |   | Total<br>1,000 lb. |
|-------------------------------|-------------------------|---------------------------------|-----------------------------------|-----------------------|--|---|--------------------|
|                               | Queensland<br>1,000 lb. | South<br>Australia<br>1,000 lb. | Western<br>Australia<br>1,000 lb. | Tasmania<br>1,000 lb. | Northern (1)<br>Territory<br>1,000 lb. | Federal Capital<br>Territory<br>1,000 lb. |                    |
| Sugar-cane . . . . .          | 8,022,054               | —                               | —                                 | —                     | —                                      | —   | 8,412,046          |
| Cane-sugar . . . . .          | 1,141,476               | —                               | —                                 | —                     | —                                      | —   | 1,205,308          |
| Sugar-beet . . . . .          | —                       | —                               | —                                 | —                     | —                                      | —   | 59,416             |
| Beet-sugar . . . . .          | —                       | —                               | —                                 | —                     | —                                      | —   | 6,373              |
| Cotton, unspinned . . . . .   | 8,025                   | —                               | —                                 | —                     | —                                      | —   | 8,025              |
| Linseed . . . . .             | —                       | —                               | —                                 | 3,013                 | —                                      | —   | 3,013              |
| Peanuts . . . . .             | 8,070                   | —                               | 23                                | —                     | 375                                    | —   | 8,468              |
| Sunflowers . . . . .          | —                       | —                               | —                                 | —                     | —                                      | —   | 121                |
| Tobacco . . . . .             | 195                     | 18                              | 4                                 | —                     | —                                      | —   | 432                |
| Hops . . . . .                | —                       | 0.4                             | —                                 | 1,923                 | —                                      | —   | 2,339              |
| Clovers . . . . .             | (9)                     | 303                             | —                                 | —                     | —                                      | —   | —                  |
| Brown millet: fibre . . . . . | 175                     | —                               | —                                 | —                     | —                                      | —   | 2,250              |
| "    : grain . . . . .        | —                       | —                               | —                                 | —                     | —                                      | —   | 925                |
| Artichokes . . . . .          | —                       | —                               | —                                 | —                     | —                                      | —   | 34                 |
| Beans, green . . . . .        | 3,446                   | —                               | —                                 | —                     | —                                      | —   | 3,446              |
| Cabbages . . . . .            | 3,612,292               | —                               | —                                 | —                     | —                                      | —   | 3,612,292          |
| Cauliflower . . . . .         | 2,666,232               | —                               | —                                 | —                     | —                                      | —   | 2,666,232          |
| Cucumbers . . . . .           | 3,786                   | —                               | —                                 | —                     | —                                      | —   | 111,512            |
| Onions . . . . .              | 1,510                   | 8,062                           | 916                               | —                     | —                                      | 2   | 1,510              |
| Peas, green . . . . .         | 61,804                  | 4,722                           | 3,562                             | —                     | —                                      | 16  | 101,625            |
| Pumpkins and melons . . . . . | 25,666                  | 8,418                           | —                                 | 358                   | (3)                                    | 5   | 48,044             |
| Tomatoes . . . . .            | 628                     | —                               | —                                 | —                     | —                                      | —   | 628                |
| Canary seed . . . . .         | 1,785                   | 1,624                           | (3)                               | 617                   | —                                      | —   | 7,226              |

carrots, turnips and edible beet. — (5) Includes other hay. — (6) Includes barley, rye and other hay. — (7) Quantity not

## 24. — YIELD PER ACRE

| CROPS (*)                             | New South Wales |            | Victoria |
|---------------------------------------|-----------------|------------|----------|
|                                       | lb.             | lb.        | lb.      |
| <b>CEREALS CUT FOR GRAIN:</b>         |                 |            |          |
| Wheat                                 | 519             | 428        |          |
| Oats                                  | 598             | 322        |          |
| Barley, malting                       | 775             | 1,048      |          |
| Barley, other                         | 625             | 1,261      |          |
| Rye                                   | 860             | 777        |          |
| Maise                                 | 1,571           | 1,694      |          |
| Rice                                  | 3,884           | —          |          |
| <b>LEGUMINOUS PLANTS:</b>             |                 |            |          |
| Beans                                 | —               | 591        |          |
| Peas                                  | —               | 1,377      |          |
| <b>TUBER AND ROOT CROPS:</b>          |                 |            |          |
| Beet, edible                          | 4,454           | (2)        |          |
| Potatoes, ordinary                    | 4,188           | 6,544      |          |
| Potatoes, sweet                       | 1,138           | —          |          |
| Turnips                               | 7,244           | (4) 16,576 |          |
| Mangels                               | 4,375           | 25,529     |          |
| Carrots                               | 4,769           | (2)        |          |
| Arrowroot                             | 14,278          | —          |          |
| Other root crops                      | 9,904           | —          |          |
| <b>CULTIVATED PLANTS FOR HAY:</b>     |                 |            |          |
| Wheat                                 | 1,829           | 1,612      |          |
| Oats                                  | 2,218           | 2,653      |          |
| Barley                                | 2,330           | —          |          |
| Rye                                   | 2,419           | —          |          |
| Alfalfa                               | 3,756           | (6) 3,799  |          |
| Other plants for hay                  | —               | —          |          |
| Total hay                             | 2,293           | 2,494      |          |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b> |                 |            |          |
| Sugar-cane                            | 48,953          | —          |          |
| Sugar-beet                            | —               | 23,766     |          |
| Cotton                                | —               | (3)        |          |
| Linseed                               | —               | —          |          |
| Peasants                              | (3)             | —          |          |
| Sunflowers                            | —               | 771        |          |
| Tobacco                               | 486             | (3)        |          |
| Hops                                  | —               | 2,068      |          |
| Cheery                                | —               | 1,524      |          |
| Broom millet: fibre                   | 582             | 383        |          |
| grain                                 | 287             | 120        |          |
| <b>VEGETABLES:</b>                    |                 |            |          |
| Artichokes                            | —               | 11,333     |          |
| Beans, green                          | (3)             | —          |          |
| Cabbages                              | (3)             | —          |          |
| Caiflower                             | (3)             | —          |          |
| Cucumbers                             | (3)             | —          |          |
| Onions                                | 7,473           | 12,489     |          |
| Peas, green                           | (3)             | —          |          |
| Pumpkins and melons                   | 7,073           | 9,415      |          |
| Tomatoes                              | 6,223           | —          |          |
| <b>CROPS GROWN FOR SEED:</b>          |                 |            |          |
| Canary seed                           | —               | —          |          |
| Grain and other seed                  | (3)             | 862        |          |

(\*) Yields per acre of other crops: Victoria, garlic 4,500.0 lb.; Queensland, cotton 666.7 lb.; cow peas 619.4 lb.  
 (1) Yields omitted sufficient data not available. — (2) Included with turnips. — (3) Information not available. — (4) Including

## OF CROPS ON ARABLE LAND, 1929-30.

| CROPS                | STATES     |                 |                   |          | TERRITORIES  |                           | TOTAL  |
|----------------------|------------|-----------------|-------------------|----------|--------------|---------------------------|--------|
|                      | Queensland | South Australia | Western Australia | Tasmania | Northern (1) | Federal Capital Territory |        |
|                      | lb.        | lb.             | lb.               | lb.      | lb.          | lb.                       |        |
| Wheat                | 1,245      | 384             | 657               | 1,342    | —            | —                         | 508    |
| Oats                 | 769        | 225             | 421               | 1,203    | —            | 1,144                     | 381    |
| Barley, malting      | 1,105      | 782             | 549               | 1,190    | —            | 259                       | 428    |
| Barley, other        | 960        | 444             | 568               | 1,336    | —            | —                         | 820    |
| Rye                  | 815        | 387             | 424               | —        | —            | 833                       | 767    |
| Maise                | 1,428      | —               | 655               | —        | —            | —                         | 1,496  |
| Rice                 | 1,000      | —               | 625               | —        | —            | —                         | 3,882  |
| Beans                | 3,322      | 1,000           | 439               | 1,302    | —            | —                         | 766    |
| Peas                 | 2,294      | 335             | 448               | 1,257    | —            | —                         | 980    |
| Turnips              | —          | 12,093          | (5)               | —        | —            | 4,000                     | 11,054 |
| Mangels              | 3,647      | 7,483           | 10,243            | 6,054    | —            | 2,500                     | 6,189  |
| Carrots              | 7,608      | —               | 8,310             | —        | —            | —                         | 8,700  |
| Other root crops     | 9,760      | 12,691          | 17,000            | 11,302   | —            | 2,000                     | 11,418 |
| Alfalfa              | 11,292     | 22,286          | 17,000            | 28,793   | —            | 2,000                     | 24,648 |
| Other hay            | 18,151     | 14,352          | (3)               | 24,425   | —            | —                         | 20,301 |
| Total hay            | 8,000      | 13,315          | 10,571            | —        | —            | —                         | 18,082 |
| Sugar-cane           | 2,124      | 1,928           | 2,447             | —        | —            | —                         | 1,946  |
| Sugar-beet           | 2,911      | 1,622           | 2,050             | (5)      | —            | 1,744                     | 2,390  |
| Cotton               | 2,178      | 1,760           | 1,417             | —        | —            | 1,952                     | 1,896  |
| Linseed              | 2,163      | 2,931           | 2,991             | —        | —            | —                         | 2,861  |
| Peasants             | 3,779      | 3,608           | 3,884             | —        | —            | —                         | 3,763  |
| Sunflowers           | 3,466      | 3,564           | —                 | —        | —            | 2,621                     | 3,513  |
| Tobacco              | 3,589      | 1,837           | 2,291             | 3,348    | —            | 1,953                     | 2,296  |
| Hops                 | —          | —               | —                 | —        | —            | —                         | —      |
| Cheery               | 37,333     | —               | —                 | —        | —            | —                         | 37,346 |
| Broom millet: fibre  | 533        | —               | —                 | —        | —            | —                         | 23,766 |
| grain                | —          | —               | —                 | —        | —            | —                         | 583    |
| Artichokes           | 1,446      | —               | 1,437             | —        | 3,485        | —                         | 1,412  |
| Beans, green         | 1,214      | 486             | 667               | —        | 937          | —                         | 771    |
| Cabbages             | —          | 480             | —                 | —        | —            | —                         | 467    |
| Caiflower            | —          | 17,409          | —                 | 1,648    | —            | —                         | 1,708  |
| Cucumbers            | 483        | —               | —                 | —        | —            | —                         | 492    |
| Onions               | —          | —               | —                 | —        | —            | —                         | 202    |
| Peas, green          | 2,901      | —               | —                 | —        | —            | —                         | 11,335 |
| Pumpkins and melons  | number     | —               | —                 | —        | —            | —                         | —      |
| Tomatoes             | 2,604      | —               | —                 | —        | —            | —                         | —      |
| Other vegetables     | 7,345      | —               | —                 | —        | —            | —                         | —      |
| Canary seed          | lb.        | —               | —                 | —        | —            | —                         | —      |
| Grain and other seed | 8,107      | 17,836          | 16,357            | —        | —            | 2,000                     | 12,489 |
|                      | 1,855      | —               | —                 | —        | —            | —                         | —      |
|                      | 5,611      | 15,038          | 3,348             | —        | —            | 4,000                     | 6,179  |
|                      | 6,162      | 13,257          | —                 | 5,541    | (3)          | 5,000                     | 6,811  |
|                      | 662        | —               | —                 | —        | —            | —                         | 662    |
|                      | 957        | 816             | (5)               | 811      | —            | —                         | 899    |

carrots, turnips and edible beet. — (5) Includes other hay. — (6) Including barley, rye and other hay. — (7) Dried. — (8) Green.

## 25. — UTILIZATION OF AREA UNDER VINEYARDS, OLIVE

| SPECIFICATION                      | STATES          |               |
|------------------------------------|-----------------|---------------|
|                                    | New South Wales | Victoria      |
|                                    | acres           | acres         |
| <b>VINEYARDS:</b>                  |                 |               |
| bearing:                           |                 |               |
| for wine . . . . .                 | 7,019           | 7,656         |
| for table use . . . . .            | 2,620           | 1,951         |
| for drying purposes . . . . .      | 3,860           | 25,720        |
| not bearing . . . . .              | 2,690           | 2,267         |
| <b>Total . . . . .</b>             | <b>15,589</b>   | <b>40,594</b> |
| <b>OLIVE GROVES:</b>               |                 |               |
| bearing . . . . .                  | 4               | 19            |
| not bearing . . . . .              | 4               | 2             |
| <b>Total . . . . .</b>             | <b>8</b>        | <b>21</b>     |
| <b>ORCHARDS AND FRUIT GARDENS:</b> |                 |               |
| <b>Apples:</b>                     |                 |               |
| bearing . . . . .                  | 11,126          | 26,262        |
| not bearing . . . . .              | 3,592           | 5,943         |
| <b>Total . . . . .</b>             | <b>14,718</b>   | <b>32,205</b> |
| <b>Apricots:</b>                   |                 |               |
| bearing . . . . .                  | 1,814           | 4,575         |
| not bearing . . . . .              | 184             | 534           |
| <b>Total . . . . .</b>             | <b>1,998</b>    | <b>5,109</b>  |
| <b>Berries:</b>                    |                 |               |
| bearing . . . . .                  | 1,805           | —             |
| not bearing . . . . .              | 1,534           | —             |
| <b>Total . . . . .</b>             | <b>3,339</b>    | <b>—</b>      |
| <b>Cherries:</b>                   |                 |               |
| bearing . . . . .                  | 2,777           | 1,292         |
| not bearing . . . . .              | 874             | 231           |
| <b>Total . . . . .</b>             | <b>3,651</b>    | <b>1,523</b>  |
| <b>Lemons:</b>                     |                 |               |
| bearing . . . . .                  | 2,331           | 1,565         |
| not bearing . . . . .              | 508             | 513           |
| <b>Total . . . . .</b>             | <b>2,839</b>    | <b>2,078</b>  |
| <b>Oranges:</b>                    |                 |               |
| bearing . . . . .                  | 24,655          | 3,891         |
| not bearing . . . . .              | 6,111           | 2,055         |
| <b>Total . . . . .</b>             | <b>30,766</b>   | <b>5,946</b>  |
| <b>Other citrus, N. E. I.</b>      |                 |               |
| bearing . . . . .                  | 277             | —             |
| not bearing . . . . .              | 128             | —             |
| <b>Total . . . . .</b>             | <b>405</b>      | <b>—</b>      |
| <b>Coconuts:</b>                   |                 |               |
| bearing . . . . .                  | —               | —             |
| not bearing . . . . .              | —               | —             |
| <b>Total . . . . .</b>             | <b>—</b>        | <b>—</b>      |
| <b>Quince:</b>                     |                 |               |
| bearing . . . . .                  | 1               | —             |
| not bearing . . . . .              | 2               | —             |
| <b>Total . . . . .</b>             | <b>3</b>        | <b>—</b>      |
| <b>Figs:</b>                       |                 |               |
| bearing . . . . .                  | 102             | 368           |
| not bearing . . . . .              | 76              | 97            |
| <b>Total . . . . .</b>             | <b>178</b>      | <b>465</b>    |
| <b>Mangoes:</b>                    |                 |               |
| bearing . . . . .                  | 2               | —             |
| not bearing . . . . .              | —               | —             |
| <b>Total . . . . .</b>             | <b>2</b>        | <b>—</b>      |

## GROVES, ORCHARDS AND FRUIT GARDENS, 1929-30.

| SPECIFICATION                      | STATES        |                 |                   |               | TERRITORIES        |                           | TOTAL          |
|------------------------------------|---------------|-----------------|-------------------|---------------|--------------------|---------------------------|----------------|
|                                    | Queensland    | South Australia | Western Australia | Tasmania      | Northern Territory | Federal Capital Territory |                |
|                                    | acres         | acres           | acres             | acres         | acres              | acres                     |                |
| <b>VINEYARDS:</b>                  |               |                 |                   |               |                    |                           |                |
| bearing:                           |               |                 |                   |               |                    |                           |                |
| for wine . . . . .                 | 327           | 30,270          | 1,338             | —             | —                  | —                         | 46,610         |
| for table use . . . . .            | 1,290         | 429             | 1,030             | —             | —                  | —                         | 7,320          |
| for drying purposes . . . . .      | —             | 18,691          | 2,233             | —             | —                  | —                         | 52,904         |
| not bearing . . . . .              | 132           | 3,539           | 363               | —             | —                  | —                         | 8,391          |
| <b>Total . . . . .</b>             | <b>1,749</b>  | <b>52,329</b>   | <b>4,964</b>      | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>115,225</b> |
| <b>OLIVE GROVES:</b>               |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | —             | 282             | (1)               | —             | —                  | —                         | 305            |
| not bearing . . . . .              | —             | 22              | (1)               | —             | —                  | —                         | 28             |
| <b>Total . . . . .</b>             | <b>—</b>      | <b>304</b>      | <b>(1)</b>        | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>333</b>     |
| <b>ORCHARDS AND FRUIT GARDENS:</b> |               |                 |                   |               |                    |                           |                |
| <b>Apples:</b>                     |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 3,475         | 9,080           | 7,857             | 23,628        | —                  | 19                        | 81,447         |
| not bearing . . . . .              | 537           | 1,248           | 3,028             | 1,679         | —                  | 14                        | 16,041         |
| <b>Total . . . . .</b>             | <b>4,012</b>  | <b>10,328</b>   | <b>10,885</b>     | <b>25,307</b> | <b>—</b>           | <b>33</b>                 | <b>97,488</b>  |
| <b>Apricots:</b>                   |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 106           | 3,116           | 553               | 1,571         | —                  | 2                         | 11,535         |
| not bearing . . . . .              | 16            | 211             | 155               | 63            | —                  | 1                         | 1,144          |
| <b>Total . . . . .</b>             | <b>122</b>    | <b>3,327</b>    | <b>698</b>        | <b>1,634</b>  | <b>—</b>           | <b>3</b>                  | <b>12,679</b>  |
| <b>Berries:</b>                    |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 12,874        | —               | 7                 | —             | —                  | —                         | 14,687         |
| not bearing . . . . .              | 6,483         | —               | 1                 | —             | —                  | —                         | 8,018          |
| <b>Total . . . . .</b>             | <b>19,357</b> | <b>—</b>        | <b>8</b>          | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>22,705</b>  |
| <b>Cherries:</b>                   |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 3             | 525             | —                 | 54            | —                  | 2                         | 4,653          |
| not bearing . . . . .              | —             | 133             | —                 | 5             | —                  | 1                         | 1,294          |
| <b>Total . . . . .</b>             | <b>3</b>      | <b>658</b>      | <b>—</b>          | <b>59</b>     | <b>—</b>           | <b>3</b>                  | <b>5,897</b>   |
| <b>Lemons:</b>                     |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 130           | 380             | 457               | —             | —                  | —                         | 4,891          |
| not bearing . . . . .              | 49            | 58              | 46                | —             | —                  | —                         | 1,174          |
| <b>Total . . . . .</b>             | <b>179</b>    | <b>438</b>      | <b>503</b>        | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>5,975</b>   |
| <b>Oranges:</b>                    |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 2,874         | 4,096           | 2,577             | —             | —                  | —                         | 38,095         |
| not bearing . . . . .              | 968           | 847             | 459               | —             | —                  | —                         | 10,470         |
| <b>Total . . . . .</b>             | <b>3,842</b>  | <b>4,943</b>    | <b>3,036</b>      | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>48,565</b>  |
| <b>Other citrus, N. E. I.</b>      |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | —             | 35              | 20                | —             | —                  | —                         | 332            |
| not bearing . . . . .              | —             | 5               | 8                 | —             | —                  | —                         | 141            |
| <b>Total . . . . .</b>             | <b>—</b>      | <b>40</b>       | <b>28</b>         | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>473</b>     |
| <b>Coconuts:</b>                   |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 461           | —               | —                 | —             | —                  | —                         | 461            |
| not bearing . . . . .              | —             | —               | —                 | —             | —                  | —                         | —              |
| <b>Total . . . . .</b>             | <b>461</b>    | <b>—</b>        | <b>—</b>          | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>461</b>     |
| <b>Quince:</b>                     |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 241           | —               | —                 | —             | —                  | —                         | 242            |
| not bearing . . . . .              | 59            | —               | —                 | —             | —                  | —                         | 61             |
| <b>Total . . . . .</b>             | <b>300</b>    | <b>—</b>        | <b>—</b>          | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>302</b>     |
| <b>Figs:</b>                       |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 15            | 271             | 301               | —             | —                  | —                         | 1,057          |
| not bearing . . . . .              | —             | 162             | 49                | —             | —                  | —                         | 354            |
| <b>Total . . . . .</b>             | <b>15</b>     | <b>433</b>      | <b>350</b>        | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>1,391</b>   |
| <b>Mangoes:</b>                    |               |                 |                   |               |                    |                           |                |
| bearing . . . . .                  | 182           | —               | —                 | —             | —                  | —                         | 184            |
| not bearing . . . . .              | 22            | —               | —                 | —             | —                  | —                         | 22             |
| <b>Total . . . . .</b>             | <b>204</b>    | <b>—</b>        | <b>—</b>          | <b>—</b>      | <b>—</b>           | <b>—</b>                  | <b>206</b>     |



## 25. — UTILIZATION OF AREA UNDER VINEYARDS, OLIVE

| SPECIFICATION   | STATES          |          |
|---|-----------------|----------|
|   | New South Wales | Victoria |
|   | acres           | acres    |
| Nectarines:   |                 |          |
| bearing . . . . .   | 363             | 155      |
| not bearing . . . . .   | 103             | 30       |
| <i>Total</i> . . . . .  | 466             | 185      |
| Nuts:   |                 |          |
| bearing . . . . .   | 418             | 362      |
| not bearing . . . . .   | 140             | 169      |
| <i>Total</i> . . . . .  | 558             | 531      |
| Pison fruit:  |                 |          |
| bearing . . . . .   | 555             | 94       |
| not bearing . . . . .   | 159             | 42       |
| <i>Total</i> . . . . .  | 714             | 136      |
| Pawpaws:  |                 |          |
| bearing . . . . .   | 3               | —        |
| not bearing . . . . .   | —               | —        |
| <i>Total</i> . . . . .  | 3               | —        |
| Peaches:  |                 |          |
| bearing . . . . .   | 5,661           | 10,088   |
| not bearing . . . . .   | 1,144           | 1,759    |
| <i>Total</i> . . . . .  | 6,805           | 11,847   |
| Pears:  |                 |          |
| bearing . . . . .   | 3,586           | 9,245    |
| not bearing . . . . .   | 557             | 1,958    |
| <i>Total</i> . . . . .  | 4,143           | 11,203   |
| Persimmons:   |                 |          |
| bearing . . . . .   | 121             | 6        |
| not bearing . . . . .   | 6               | 2        |
| <i>Total</i> . . . . .  | 127             | 8        |
| Pineapples:   |                 |          |
| bearing . . . . .   | 87              | —        |
| not bearing . . . . .   | 8               | —        |
| <i>Total</i> . . . . .  | 95              | —        |
| Plum:   |                 |          |
| bearing . . . . .   | 5,499           | 4,366    |
| not bearing . . . . .   | 818             | 678      |
| <i>Total</i> . . . . .  | 6,317           | 5,044    |
| Quinces:  |                 |          |
| bearing . . . . .   | 197             | 897      |
| not bearing . . . . .   | 104             | 125      |
| <i>Total</i> . . . . .  | 301             | 1,022    |
| Raspberries:  |                 |          |
| bearing . . . . .   | (3)             | 365      |
| not bearing . . . . .   | —               | —        |
| <i>Total</i> . . . . .  | (3)             | 365      |
| Strawberries bearing . . . . .  | 24              | 379      |
| Other small fruit, N. E. I.:  |                 |          |
| bearing . . . . .   | 8               | 401      |
| not bearing . . . . .   | 4               | 22       |
| <i>Total</i> . . . . .  | 12              | 423      |
| All recorded fruit, N. E. I.:   |                 |          |
| bearing . . . . .   | 53              | 2,231    |
| not bearing . . . . .   | 4               | 19       |
| <i>Total</i> . . . . .  | 57              | 2,250    |
| <i>Total orchards and fruit gardens . . . . .</i>                                   | 77,524          | 89,759   |
| <i>Total area under vineyards, oliviyards, orchards and fruit gardens . . . . .</i> | 93,121          | 121,414  |

(1) Included with "All other, N. E. I." — (2) Included with "Other Small, N. E. I." — (3) Data not available.

## GROVES, ORCHARDS AND FRUIT GARDENS, 1929-30 (concluded).

| SPECIFICATION   | STATES     |                 |                   |          | TERRITORIES        |                           | Total   |
|---|------------|-----------------|-------------------|----------|--------------------|---------------------------|---------|
|   | Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |         |
|   | acres      | acres           | acres             | acres    | acres              | acres                     |         |
| Nectarines:   |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 82         | 328             | 151               | —        | —                  | 1                         | 1,080   |
| not bearing . . . . .   | —          | 40              | 56                | —        | —                  | —                         | 229     |
| <i>Total</i> . . . . .  | 82         | 368             | 207               | —        | —                  | 1                         | 1,309   |
| Nuts:   |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | —          | 1,265           | (1)               | —        | —                  | 1                         | 2,046   |
| not bearing . . . . .   | —          | 104             | (1)               | —        | —                  | —                         | 413     |
| <i>Total</i> . . . . .  | —          | 1,369           | (1)               | —        | —                  | 1                         | 2,459   |
| Pison fruit:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 182        | (1)             | (2)               | —        | —                  | —                         | 831     |
| not bearing . . . . .   | —          | (1)             | (2)               | —        | —                  | —                         | 201     |
| <i>Total</i> . . . . .  | 182        | (1)             | (2)               | —        | —                  | —                         | 1,032   |
| Pawpaws:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 417        | —               | —                 | —        | —                  | —                         | 420     |
| not bearing . . . . .   | 276        | —               | —                 | —        | —                  | —                         | 276     |
| <i>Total</i> . . . . .  | 693        | —               | —                 | —        | —                  | —                         | 696     |
| Peaches:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 1,517      | 1,982           | 633               | 51       | —                  | 2                         | 19,934  |
| not bearing . . . . .   | 117        | 107             | 174               | 11       | —                  | 1                         | 3,315   |
| <i>Total</i> . . . . .  | 1,634      | 2,089           | 807               | 62       | —                  | 3                         | 23,247  |
| Pears:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 215        | 1,951           | 895               | 1,977    | —                  | 2                         | 17,871  |
| not bearing . . . . .   | 56         | 216             | 122               | 153      | —                  | 1                         | 5,065   |
| <i>Total</i> . . . . .  | 271        | 2,167           | 1,015             | 2,130    | —                  | 3                         | 20,934  |
| Persimmons:   |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 8          | (1)             | —                 | —        | —                  | —                         | 135     |
| not bearing . . . . .   | 3          | (1)             | —                 | —        | —                  | —                         | 11      |
| <i>Total</i> . . . . .  | 11         | (1)             | —                 | —        | —                  | —                         | 146     |
| Pineapples:   |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 3,393      | —               | —                 | —        | —                  | —                         | 3,480   |
| not bearing . . . . .   | 1,751      | —               | —                 | —        | —                  | —                         | 1,759   |
| <i>Total</i> . . . . .  | 5,144      | —               | —                 | —        | —                  | —                         | 5,239   |
| Plum:   |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 1,132      | 2,484           | 675               | 542      | —                  | 4                         | 14,702  |
| not bearing . . . . .   | 209        | 540             | 240               | 24       | —                  | 1                         | 2,710   |
| <i>Total</i> . . . . .  | 1,341      | 3,024           | 915               | 566      | —                  | 5                         | 17,412  |
| Quinces:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 14         | 223             | 80                | 47       | —                  | 1                         | 1,459   |
| not bearing . . . . .   | —          | 12              | 15                | 4        | —                  | —                         | 260     |
| <i>Total</i> . . . . .  | 14         | 235             | 95                | 51       | —                  | 1                         | 1,719   |
| Raspberries:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | —          | 109             | (2)               | (2)      | —                  | —                         | 472     |
| not bearing . . . . .   | —          | 4               | —                 | —        | —                  | —                         | 4       |
| <i>Total</i> . . . . .  | —          | 113             | (2)               | (2)      | —                  | —                         | 476     |
| Strawberries bearing . . . . .  | 182        | 142             | 25                | (2)      | —                  | —                         | 752     |
| Other small fruit, N. E. I.:  |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | —          | 53 (4)          | 15                | 2,550    | —                  | —                         | 3,030   |
| not bearing . . . . .   | —          | —               | —                 | —        | —                  | —                         | 26      |
| <i>Total</i> . . . . .  | —          | 53 (4)          | 15                | 2,550    | —                  | —                         | 3,056   |
| All recorded fruit, N. E. I.:   |            |                 |                   |          |                    |                           |         |
| bearing . . . . .   | 333 (5)    | 31 (5)          | 200               | (2)      | —                  | —                         | 2,850   |
| not bearing . . . . .   | —          | 9 (5)           | 78                | —        | —                  | —                         | 101     |
| <i>Total</i> . . . . .  | 333 (5)    | 42 (5)          | 278               | (2)      | —                  | —                         | 2,951   |
| <i>Total orchards and fruit gardens . . . . .</i>                                   | 38,472     | 29,769          | 18,855            | 32,159   | —                  | 53                        | 277,371 |
| <i>Total area under vineyards, oliviyards, orchards and fruit gardens . . . . .</i> | 40,161     | 82,402          | 23,819            | 32,159   | —                  | 53                        | 393,129 |

(4) See note 2. — (5) See note 1.

## 26. — PRODUCTION OF VINEYARDS, OLIVE-

| CROPS                              | New South Wales  |           | Victoria  |
|------------------------------------|------------------|-----------|-----------|
|                                    | 1,000 lb.        | 1,000 lb. | 1,000 lb. |
| <b>VINEYARDS:</b>                  |                  |           |           |
| Grapes for wine                    | 33,452           | 21,405    |           |
| Grapes for table                   | 9,444            | 8,013     |           |
| Grapes for raisins and currents    | 36,935           | 422,486   |           |
| <b>OLIVE GROVES:</b>               |                  |           |           |
| Olive                              | 10               | 222       |           |
| <b>ORCHARDS AND FRUIT GARDENS:</b> |                  |           |           |
| Apples                             | 41,917           | 125,060   |           |
| Apricots                           | 7,499            | 20,121    |           |
| Bananas                            | (*) 42,163,000   | —         |           |
| Cherries                           | 3,115            | 1,658     |           |
| Lemons                             | 11,949           | 4,791     |           |
| Oranges                            | 95,613           | 16,174    |           |
| Other citrus, N.E.I.               | 1,199            | —         |           |
| Cocoanuts                          | —                | —         |           |
| Quarted apples                     | 2                | —         |           |
| Figs                               | 132              | 537       |           |
| Mangoes                            | 9                | —         |           |
| Nectarines                         | 921              | 864       |           |
| Nuts                               | 203              | 107       |           |
| Passion fruit                      | 1,276            | 527       |           |
| Pawpaws                            | 1,000            | —         |           |
| Peaches                            | (*) 21,389       | 58,606    |           |
| Pears                              | 14,058           | 52,409    |           |
| Persimmons                         | 272              | 9         |           |
| Pineapples                         | (*) 292,000      | —         |           |
| Plums                              | 13,414           | 13,090    |           |
| Quinces                            | 807              | 3,566     |           |
| Raspberries                        | 12               | 342       |           |
| Strawberries                       | 48               | 1,349     |           |
| Other small fruit, N. E. I.        | 34               | 1,527     |           |
| All recorded fruit, N. E. I.       | bushels<br>3,549 | —         |           |

(\*) Number. — (1) Included with "all other fruit, N. E. I." — (2) Information not available. — (3) Included with "other small, N. E. I."

## 27. — YIELDS OF WINE, DRIED

| CROPS                | New South Wales |           | Victoria  |
|----------------------|-----------------|-----------|-----------|
|                      | 1,000 lb.       | 1,000 lb. | 1,000 lb. |
| <b>VINEYARDS:</b>    |                 |           |           |
| Wine                 | (1) 1,954       | (1) 1,384 |           |
| Sultanas, dried      | 8,773           | 27,101    |           |
| Raisins, dried       | 567             | 10,689    |           |
| Currents, dried      | 1,213           | 19,961    |           |
| <b>DRIED FRUITS:</b> |                 |           |           |
| Apples               | 29              | 3         |           |
| Apricots             | 725             | 343       |           |
| Figs                 | —               | 7         |           |
| Nectarines           | 15              | 1         |           |
| Peaches              | 321             | 234       |           |
| Pears                | 39              | 82        |           |
| Plums and prunes     | 2,724           | 849       |           |
| Total                | 3,844           | 1,519     |           |

(1) Thousand Imperial gallons. — (2) Queensland occasionally produces a small quantity of raisins but no particulars are available.

## GROVES, ORCHARDS AND FRUIT GARDENS, 1929-30.

| CROPS                           | STATES          |                  |                   |           | TERRITORIES        |                           | TOTAL            |
|---------------------------------|-----------------|------------------|-------------------|-----------|--------------------|---------------------------|------------------|
|                                 | Queensland      | South Australia  | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory |                  |
|                                 | 1,000 lb.       | 1,000 lb.        | 1,000 lb.         | 1,000 lb. | 1,000 lb.          | 1,000 lb.                 | 1,000 lb.        |
| Grapes for wine                 | 551             | 160,151          | 5,159             | —         | —                  | —                         | 220,718          |
| Grapes for table                | 3,678           | 1,684            | 6,496             | —         | —                  | —                         | 29,915           |
| Grapes for raisins and currents | —               | 135,484          | 19,142            | —         | —                  | —                         | 614,245          |
| Olive                           | —               | 623              | (1)               | —         | —                  | —                         | 855              |
| Apples                          | 7,968           | 55,104           | 19,901            | 177,750   | —                  | 39                        | 427,739          |
| Apricots                        | 249             | 11,758           | 2,799             | 5,670     | —                  | 2                         | 48,098           |
| Bananas                         | (*) 529,323,000 | —                | (*) 404,000       | —         | —                  | 2                         | 571,890,000      |
| Cherries                        | 11              | 1,382            | —                 | 58        | —                  | —                         | 6,230            |
| Lemons                          | 690             | 1,507            | 2,444             | —         | —                  | —                         | 21,381           |
| Oranges                         | 11,458          | 17,369           | 9,764             | —         | —                  | —                         | 148,077          |
| Other citrus, N.E.I.            | —               | 162              | 164               | —         | —                  | —                         | 1,513            |
| Cocoanuts                       | (*) 330,000     | —                | —                 | —         | —                  | —                         | 330,000          |
| Quarted apples                  | 1,368           | —                | —                 | —         | —                  | —                         | (*) 1,270        |
| Figs                            | 110             | —                | —                 | —         | —                  | —                         | 2,309            |
| Mangoes                         | 1,825           | 482              | 1,048             | —         | —                  | —                         | 1,834            |
| Nectarines                      | 245             | 1,419            | 685               | —         | —                  | —                         | 4,134            |
| Nuts                            | —               | 664              | (1)               | —         | —                  | (2)                       | 974              |
| Passion fruit                   | 521             | (1)              | (3)               | —         | —                  | (2)                       | 1,924            |
| Pawpaws                         | (*) 1,050,000   | —                | —                 | —         | —                  | —                         | (*) 1,051,000    |
| Peaches                         | 4,919           | 6,848            | 2,950             | 225       | —                  | —                         | 89,938           |
| Pears                           | 622             | 9,460            | 3,956             | 12,330    | —                  | 1                         | 92,928           |
| Persimmons                      | 23              | (1)              | —                 | —         | —                  | 3                         | 504              |
| Pineapples                      | (*) 10,285,000  | —                | —                 | —         | —                  | —                         | (*) 10,577,000   |
| Plums                           | 2,525           | 6,804            | 3,183             | 3,150     | —                  | 4                         | 42,170           |
| Quinces                         | 22              | 1,066            | 348               | 273       | —                  | —                         | 6,084            |
| Raspberries                     | —               | 324              | (2)               | 5,200     | —                  | 2                         | 5,878            |
| Strawberries                    | 495             | 250              | 64                | 1,017     | —                  | —                         | 3,223            |
| Other small fruit, N. E. I.     | —               | 386              | —                 | 3,550     | —                  | —                         | 5,497            |
| All recorded fruit, N. E. I.    | —               | bushels<br>4,033 | —                 | —         | —                  | —                         | bushels<br>7,582 |

small, N. E. I."

## GRAPES AND DRIED FRUITS, 1929-30.

| CROPS                           | STATES     |                 |                   |           | TERRITORIES        |                           | TOTAL      |
|---------------------------------|------------|-----------------|-------------------|-----------|--------------------|---------------------------|------------|
|                                 | Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory |            |
|                                 | 1,000 lb.  | 1,000 lb.       | 1,000 lb.         | 1,000 lb. | 1,000 lb.          | 1,000 lb.                 | 1,000 lb.  |
| Grapes for wine                 | (1) 48     | (1) 12,406      | (1) 518           | —         | —                  | —                         | (1) 16,070 |
| Grapes for table                | (2) —      | 21,112          | 605               | —         | —                  | —                         | 107,591    |
| Grapes for raisins and currents | —          | 2,547           | 855               | —         | —                  | —                         | 14,638     |
| Olive                           | —          | 18,131          | 2,864             | —         | —                  | —                         | 42,289     |
| Apples                          | —          | 131             | 1                 | 1,134     | —                  | —                         | 1,298      |
| Apricots                        | —          | 1,410           | 3                 | 20        | —                  | —                         | 2,501      |
| Figs                            | —          | 27              | 2                 | —         | —                  | —                         | 36         |
| Nectarines                      | —          | 121             | 0                 | —         | —                  | —                         | 137        |
| Peaches                         | —          | 518             | 3                 | —         | —                  | —                         | 1,876      |
| Pears                           | —          | 408             | 0                 | 1         | —                  | —                         | 521        |
| Plums and prunes                | —          | 661             | 1                 | 1         | —                  | —                         | 4,236      |
| Total                           | —          | 3,276           | 10                | 1,156     | —                  | —                         | 9,805      |

## 28. — YIELD PER ACRE OF VINEYARDS, OLIVE GROVES,

| CROPS                                     | New South Wales |        | Victoria |     |
|---|-----------------|--------|----------|-----|
|   | lb.             | lb.    | lb.      | lb. |
| <b>VINEYARDS:</b>                         |                 |        |          |     |
| Grapes for wine . . . . .                 | 4,766           | 2,796  |          |     |
| Grapes for table . . . . .                | 3,605           | 4,415  |          |     |
| Grapes for raisins and currants . . . . . | 9,569           | 14,710 |          |     |
| <b>OLIVE GROVES:</b>                      |                 |        |          |     |
| Olives . . . . .                          | 2,500           | 11,634 |          |     |
| <b>ORCHARDS AND FRUIT GARDENS:</b>        |                 |        |          |     |
| Apples . . . . .                          | 3,767           | 4,782  |          |     |
| Apricots . . . . .                        | 4,134           | 4,400  |          |     |
| Bananas . . . . .                         | (*) 25,346      | —      |          |     |
| Cherries . . . . .                        | 1,123           | 1,283  |          |     |
| Cherries . . . . .                        | 5,126           | 3,180  |          |     |
| Oranges . . . . .                         | 3,797           | 4,155  |          |     |
| Other citrus, N.E.L. . . . .              | 4,292           | —      |          |     |
| Coconuts . . . . .                        | —               | —      |          |     |
| Concord apples . . . . .                  | 2,010           | —      |          |     |
| Figs . . . . .                            | 1,294           | 1,459  |          |     |
| Mangoes . . . . .                         | 4,500           | —      |          |     |
| Nectarines . . . . .                      | 2,537           | 5,574  |          |     |
| Nuts . . . . .                            | 486             | 296    |          |     |
| Passion fruit . . . . .                   | 2,299           | 3,479  |          |     |
| Pawpaws . . . . .                         | (*) 292         | —      |          |     |
| Peaches . . . . .                         | 3,778           | 5,314  |          |     |
| Pears . . . . .                           | 3,926           | 5,678  |          |     |
| Pears . . . . .                           | 2,240           | 1,500  |          |     |
| Persimmons . . . . .                      | 3,358           | —      |          |     |
| Pineapples . . . . .                      | (*) 2,439       | 2,998  |          |     |
| Plums . . . . .                           | 4,066           | 3,975  |          |     |
| Quinces . . . . .                         | —               | 942    |          |     |
| Raspberries . . . . .                     | —               | 3,554  |          |     |
| Strawberries . . . . .                    | 2,000           | —      |          |     |

(\*) Number. — (1) See notes Tables 25 and 26.

## 29. — AGRICULTURAL

| DESCRIPTION                                  | New South Wales |         | Victoria |        |
|--|-----------------|---------|----------|--------|
|  | number          | number  | number   | number |
| Power machinery . . . . .                    | 30,609          | 23,099  |          |        |
| Ploughs . . . . .                            | 89,714          | 83,396  |          |        |
| Harrow and cultivators . . . . .             | 112,050         | 101,029 |          |        |
| Seeders, drills, combines . . . . .          | 31,783          | 28,677  |          |        |
| Harvesters, loaders, strippers (1) . . . . . | 34,306          | 44,832  |          |        |
| Thrashers . . . . .                          | —               | 1,197   |          |        |

(1) Including reapers and binders.

## ORCHARDS, AND FRUIT GARDENS, 1929-30.

|     | STATES     |                 |                   |          | TERRITORIES        |                           | TOTAL  |
|-----|------------|-----------------|-------------------|----------|--------------------|---------------------------|--------|
|     | Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |        |
|     | lb.        | lb.             | lb.               | lb.      | lb.                | lb.                       | lb.    |
|     | 1,485      | 5,291           | 3,856             | —        | —                  | —                         | 4,735  |
|     | 2,851      | 3,025           | 6,307             | —        | —                  | —                         | 4,087  |
|     | —          | 7,489           | 8,661             | —        | —                  | —                         | 11,611 |
|     | —          | 2,209           | (1)               | —        | —                  | —                         | 2,803  |
|     | 2,293      | 6,069           | 2,533             | 7,523    | —                  | —                         | 5,252  |
|     | 1,349      | 3,773           | 5,061             | 4,136    | —                  | 2,655                     | 4,170  |
| (*) | 41,116     | —               | (*) 57,737        | —        | —                  | 1,000                     | 38,938 |
|     | 3,667      | 2,632           | —                 | 1,074    | —                  | —                         | 1,339  |
|     | 5,308      | 3,966           | 5,348             | —        | —                  | 1,000                     | 4,453  |
|     | 3,987      | 4,167           | 3,789             | —        | —                  | —                         | 3,887  |
|     | —          | 4,629           | 8,200             | —        | —                  | —                         | 4,563  |
| (*) | 716        | —               | —                 | —        | —                  | —                         | 714    |
|     | 5,261      | —               | —                 | —        | —                  | —                         | 5,248  |
|     | 7,333      | 1,779           | 3,482             | —        | —                  | —                         | 2,184  |
|     | 10,017     | —               | —                 | —        | —                  | —                         | 9,567  |
|     | 2,980      | 4,326           | 4,536             | —        | —                  | —                         | 1,828  |
|     | —          | 525             | (1)               | —        | —                  | (1)                       | 476    |
|     | 1,764      | (1)             | (1)               | —        | —                  | —                         | 2,315  |
| (*) | 2,518      | —               | —                 | —        | —                  | —                         | 2,902  |
|     | 3,243      | 3,455           | 4,660             | 4,412    | —                  | —                         | 4,512  |
|     | 2,893      | 4,849           | 4,408             | 6,237    | —                  | 500                       | 5,208  |
|     | 2,875      | (1)             | —                 | —        | —                  | 1,500                     | 2,252  |
| (*) | 3,031      | —               | —                 | —        | —                  | —                         | 3,039  |
|     | 2,231      | 2,739           | 4,716             | 5,812    | —                  | —                         | 2,868  |
|     | 1,371      | 4,780           | 4,350             | 5,808    | —                  | 1,000                     | 4,170  |
|     | —          | 2,972           | (1)               | (1)      | —                  | 2,000                     | 1,411  |
|     | 2,720      | 1,761           | 2,560             | (1)      | —                  | —                         | 2,933  |

## MACHINES AND POWER USED, 1929-30.

|  | STATES     |                 |                   |          | TERRITORIES        |                           | TOTAL   |
|--|------------|-----------------|-------------------|----------|--------------------|---------------------------|---------|
|  | Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |         |
|  | number     | number          | number            | number   | number             | number                    |         |
|  | —          | (1) 17,453      | —                 | —        | —                  | —                         | 71,360  |
|  | —          | 28,302          | —                 | —        | —                  | —                         | 201,812 |
|  | —          | 121,523         | —                 | —        | —                  | —                         | 534,642 |
|  | —          | 18,333          | —                 | —        | —                  | —                         | 78,793  |
|  | —          | 31,659          | —                 | —        | —                  | —                         | 110,607 |
|  | —          | 718             | —                 | —        | —                  | —                         | 1,507   |

30. — AREA MANURED AND

| CLASSIFICATION  | New South Wales   |                   | Victoria  |       |
|---|-------------------|-------------------|-----------|-------|
|   | acres             | acres             | acres     | acres |
| <b>ACREAGE:</b>   |                   |                   |           |       |
| Natural manures (stable, etc.) . . . . .                    | 13,672            | (1)               |           |       |
| Artificial manures (superphosphates, bones, etc.) . . . . . | 3,887,963         | (2)               | 6,022,951 |       |
| <b>Total</b> . . . . .                                      | 3,901,635         |                   | 6,022,951 |       |
| <b>QUANTITY:</b>  |                   |                   |           |       |
| Natural manures . . . . .                                   | loads 130,609     | loads 120,391     |           |       |
| Artificial manures . . . . .                                | 1,000 lb. 282,628 | 1,000 lb. 604,726 |           |       |
| <b>AVERAGE PER ACRE:</b>                                    |                   |                   |           |       |
| Natural manures . . . . .                                   | loads 9.5         | loads —           |           |       |
| Artificial manures . . . . .                                | lb. 72.7          | lb. 100.4         |           |       |

(1) Included with artificial. — (2) Including area under natural manure.  
NOTE: In addition to the acres shown above, pastures lands in New South Wales, 61,797 acres, South Australia 302,114 acres thousand lb. respectively.

31. — IMPROVEMENTS,

| SPECIFICATION                                | New South Wales       |                  | Victoria |       |
|--|-----------------------|------------------|----------|-------|
|  | acres                 | acres            | acres    | acres |
| <b>AREA IRRIGATED</b> . . . . .              | 126,321               | 566,577          |          |       |
| <b>FARMS ON WHICH ENRIAGE MADE</b> . . . . . | number 338            | number 74        |          |       |
| <b>QUANTITY ENRIAGED</b> . . . . .           | 1,000 lb. 63,667      | 1,000 lb. 10,714 |          |       |
| <b>ARTESIAN AND SUB-ARTESIAN BORES:</b>      |                       |                  |          |       |
| Bores existing at end of year . . . . .      | number 575            | number 380       |          |       |
| Total depth of existing bores . . . . .      | feet 940,484          | feet 101,200     |          |       |
| Daily flow at end of year . . . . .          | 1,000 gals (3) 75,795 | 1,000 gals (4)   |          |       |
| <b>Depth at which water was struck:</b>      |                       |                  |          |       |
| maximum . . . . .                            | feet 4,338            | feet 800         |          |       |
| minimum . . . . .                            | 100                   | 125              |          |       |
| <b>Temperature of flow:</b>                  |                       |                  |          |       |
| maximum . . . . .                            | ° F. 142              | ° F. (4)         |          |       |
| minimum . . . . .                            | 73                    | (4)              |          |       |

(1) Government bores only. — (2) Total depth of all bores. — (3) Flowing bores only. — (4) Not available.

QUANTITY OF MANURE USED, 1929,

|                  | States            |                   |                   |          | Territories        |                           | TOTAL |
|------------------|-------------------|-------------------|-------------------|----------|--------------------|---------------------------|-------|
|                  | Queensland        | South Australia   | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |       |
| acres            | acres             | acres             | acres             | acres    | acres              | acres                     | acres |
| 4,395            | 5,950             | 6,742             | 3,056             | —        | 28                 | 33,843                    |       |
| 108,500          | 4,600,260         | 5,842,597         | 226,203           | —        | 3,671              | 19,892,145                |       |
| 112,895          | 4,606,210         | 5,849,339         | 228,259           | —        | 3,699              | 19,925,988                |       |
| loads 39,405     | loads 46,164      | loads 57,212      | loads 11,916      | —        | loads 115          | loads 405,812             |       |
| 1,000 lb. 51,352 | 1,000 lb. 405,541 | 1,000 lb. 517,727 | 1,000 lb. 48,272  | —        | 1,000 lb. 307      | 1,000 lb. 1,910,553       |       |
| loads 9.0        | loads 7.6         | loads 8.5         | loads 3.9         | —        | loads 4.1          | loads 12.0                |       |
| lb. 473.3        | lb. 88.2          | lb. 102.7         | lb. 213.4         | —        | lb. 83.6           | lb. 96.0                  |       |

and Tasmania 52,807 acres were top-dressed with artificial manure, the quantity of manure used being, 4,503; 35,170 and 7,502

1929-30.

|                        | States                    |                   |                   |                  | Territories        |                           | TOTAL |
|------------------------|---------------------------|-------------------|-------------------|------------------|--------------------|---------------------------|-------|
|                        | Queensland                | South Australia   | Western Australia | Tasmania         | Northern Territory | Federal Capital Territory |       |
| acres                  | acres                     | acres             | acres             | acres            | acres              | acres                     | acres |
| 26,282                 | 40,002                    | 4,943             | 6,693             | —                | —                  | 770,818                   |       |
| number 43              | number 22                 | number 105        | number 6          | —                | —                  | number 568                |       |
| 1,000 lb. 6,570        | 1,000 lb. 2,955           | 1,000 lb. 17,644  | 1,000 lb. 168     | —                | —                  | 1,000 lb. 101,318         |       |
| number 4,713           | number (1) 209            | number 245        | —                 | number 191       | —                  | number 6,313              |       |
| feet 4,153,481         | (1) feet 122,794          | feet 224,649      | —                 | feet 62,375      | —                  | feet 5,385,183            |       |
| (2) 1,000 gals 289,022 | (1) (3) 1,000 gals 12,971 | 1,000 gals 72,142 | —                 | 1,000 gals 7,723 | —                  | (5) 1,000 gals 457,653    |       |
| feet 6,000             | (1) feet 4,851            | feet 3,325        | —                 | feet 1,700       | —                  | feet 6,000                |       |
| 10                     | (1) 233                   | 39                | —                 | 42               | —                  | 10                        |       |
| ° F. 212               | (1) ° F. 208              | ° F. 140          | ° F. —            | (4)              | —                  | ° F. 212                  |       |
| 78                     | (1) 82                    | 75                | —                 | (4)              | —                  | 73                        |       |

(5) Incomplete.

## 32. — LIVESTOCK (1929)

| DESCRIPTION                             | New South Wales (1) |                   | Victoria |        |
|---|---------------------|-------------------|----------|--------|
|   | number              | number            | number   | number |
| <b>Horses:</b>                          |                     |                   |          |        |
| Under 1 year old . . . . .              | 16,716              | 11,336            |          |        |
| 1 year old and upwards . . . . .        | 518,229             | 381,179           |          |        |
| <b>Total</b> . . . . .                  | <b>534,945</b>      | <b>393,015</b>    |          |        |
| <b>Mules</b> . . . . .                  | 50                  | (2)               |          |        |
| <b>Donkeys</b> . . . . .                | 172                 | (2)               |          |        |
| <b>CATTLE:</b>                          |                     |                   |          |        |
| Heifers (3) . . . . .                   | 55,285              | (4)               |          |        |
| Dairy, in milk . . . . .                | 568,374             | 513,890           |          |        |
| Dairy, dry . . . . .                    | 289,896             | 205,526           |          |        |
| Other, under 1 year old . . . . .       | 458,210             | 244,625           |          |        |
| Other, 1 year old and upwards . . . . . | 1,314,367           | 671,201           |          |        |
| <b>Total</b> . . . . .                  | <b>2,686,132</b>    | <b>1,335,242</b>  |          |        |
| <b>Sheep:</b>                           |                     |                   |          |        |
| Under 1 year old . . . . .              | 8,123,100           | 3,552,795         |          |        |
| 1 year old and upwards . . . . .        | 40,596,900          | 13,874,407        |          |        |
| <b>Total</b> . . . . .                  | <b>48,720,000</b>   | <b>17,427,202</b> |          |        |
| <b>Goats:</b>                           |                     |                   |          |        |
| Angora . . . . .                        | 1,468               | (2)               |          |        |
| Other . . . . .                         | 15,185              | (2)               |          |        |
| <b>Total</b> . . . . .                  | <b>16,651</b>       | <b>(2)</b>        |          |        |
| <b>Pigs:</b>                            |                     |                   |          |        |
| Under 1 year old . . . . .              | 237,850             | 265,978           |          |        |
| 1 year old and upwards . . . . .        | 85,649              |                   |          |        |
| <b>Total</b> . . . . .                  | <b>323,499</b>      | <b>265,978</b>    |          |        |
| <b>CAMELS</b> . . . . .                 | 554                 | (2)               |          |        |
| <b>OSTRICHES</b> . . . . .              | 22                  | (2)               |          |        |
| <b>BEE HIVES:</b>                       |                     |                   |          |        |
| Productive . . . . .                    | 32,420              | 41,909            |          |        |
| Unproductive . . . . .                  | 18,860              | 16,816            |          |        |
| <b>Total</b> . . . . .                  | <b>51,280</b>       | <b>58,725</b>     |          |        |

(1) 30 June 1930. — (2) Not available. — (3) Within three months of calving and intended for dairying. — (4) Included

## AND BEE HIVES (SEASON 1929-30).

| DESCRIPTION                             | States            |                  |                   |                  | Territories        |                               | Total              |
|---|-------------------|------------------|-------------------|------------------|--------------------|-------------------------------|--------------------|
|   | Queensland        | South Australia  | Western Australia | Tasmania         | Northern Territory | Federal Capital Territory (1) |                    |
|   | number            | number           | number            | number           | number             | number                        |                    |
| <b>Horses:</b>                          |                   |                  |                   |                  |                    |                               |                    |
| Under 1 year old . . . . .              | 509,104           | 4,634            | 8,599             | 976              | 33,703             | 55                            | 1,845,614          |
| 1 year old and upwards . . . . .        | 509,104           | 184,620          | 150,929           | 33,360           | 33,703             | 914                           | 1,845,614          |
| <b>Total</b> . . . . .                  | <b>1,018,208</b>  | <b>189,254</b>   | <b>159,528</b>    | <b>34,336</b>    | <b>67,406</b>      | <b>969</b>                    | <b>1,845,614</b>   |
| <b>Mules</b> . . . . .                  | 1,002             | 585              | 1,504             | —                | 492                | —                             | 3,633              |
| <b>Donkeys</b> . . . . .                | 30                | 1,509            | 7,748             | —                | 779                | —                             | 10,230             |
| <b>CATTLE:</b>                          |                   |                  |                   |                  |                    |                               |                    |
| Heifers (3) . . . . .                   | 31,000            | 7,462            | 4,130             | (4)              | (4)                | 157                           | 38,034             |
| Dairy, in milk . . . . .                | 507,100           | 75,574           | 52,786            | 60,122           | (4)                | 385                           | 1,778,191          |
| Dairy, dry . . . . .                    | 142,477           | 21,219           | 17,347            | 12,113           | (4)                | 137                           | 598,715            |
| Other, under 1 year old . . . . .       | 452,811           | 33,451           | 154,462           | 44,387           | (5)                | 711,607                       | 1,253              |
| Other, 1 year old and upwards . . . . . | 452,811           | 66,810           | 607,961           | 93,041           | (5)                | 711,607                       | 2,818              |
| <b>Total</b> . . . . .                  | <b>5,208,588</b>  | <b>204,516</b>   | <b>836,646</b>    | <b>214,643</b>   | <b>711,607</b>     | <b>4,760</b>                  | <b>11,202,134</b>  |
| <b>Sheep:</b>                           |                   |                  |                   |                  |                    |                               |                    |
| Under 1 year old . . . . .              | 3,945,077         | 1,047,344        | 2,185,199         | 520,458          | —                  | 33,790                        | 19,407,764         |
| 1 year old and upwards . . . . .        | 16,379,226        | 5,138,908        | 7,371,624         | 1,570,633        | (6)                | 12,203                        | 85,150,578         |
| <b>Total</b> . . . . .                  | <b>20,324,303</b> | <b>6,186,252</b> | <b>9,556,823</b>  | <b>2,091,113</b> | <b>12,203</b>      | <b>240,445</b>                | <b>104,558,342</b> |
| <b>Goats:</b>                           |                   |                  |                   |                  |                    |                               |                    |
| Angora . . . . .                        | 2,215             | 554              | 1,228             | 1,007            | —                  | 17                            | 6,499              |
| Other . . . . .                         | 82,360            | 1,470            | 16,572            | 541              | 9,247              | 1                             | 125,380            |
| <b>Total</b> . . . . .                  | <b>84,575</b>     | <b>2,024</b>     | <b>17,800</b>     | <b>1,548</b>     | <b>9,247</b>       | <b>18</b>                     | <b>131,879</b>     |
| <b>Pigs:</b>                            |                   |                  |                   |                  |                    |                               |                    |
| Under 1 year old . . . . .              | 192,568           | 58,951           | 40,354            | 52,899           | 359                | 59                            | 1,018,324          |
| 1 year old and upwards . . . . .        | 43,409            | 15,375           | 13,168            | 52,899           | 359                | 65                            | 1,018,324          |
| <b>Total</b> . . . . .                  | <b>236,037</b>    | <b>74,326</b>    | <b>53,522</b>     | <b>105,798</b>   | <b>718</b>         | <b>124</b>                    | <b>1,018,324</b>   |
| <b>CAMELS</b> . . . . .                 | 554               | 1,191            | 3,446             | —                | 307                | —                             | 6,252              |
| <b>OSTRICHES</b> . . . . .              | —                 | 114              | —                 | —                | —                  | —                             | 136                |
| <b>BEE HIVES:</b>                       |                   |                  |                   |                  |                    |                               |                    |
| Productive . . . . .                    | 12,810            | 13,776           | 10,508            | 4,254            | —                  | 130                           | 115,807            |
| Unproductive . . . . .                  | 3,302             | 15,334           | 1,262             | 911              | —                  | 101                           | 48,576             |
| <b>Total</b> . . . . .                  | <b>16,112</b>     | <b>29,110</b>    | <b>11,770</b>     | <b>5,165</b>     | <b>—</b>           | <b>231</b>                    | <b>164,383</b>     |

with other cattle. — (5) Including dairy cattle. — (6) Including lambs.

## 33. — NUMBER OF HOLDINGS

| CLASSIFICATION<br>ACCORDING TO SIZE OF HOLDING | New South<br>Wales (1) |                   | Victoria |
|--|------------------------|-------------------|----------|
|  | number                 | number            | number   |
| <b>1 and under 50 acres:</b>                   |                        |                   |          |
| Holdings . . . . .                             | 504                    | 979               |          |
| Sheep . . . . .                                | 18,281                 | 45,929            |          |
| <b>50 and under 100 acres:</b>                 |                        |                   |          |
| Holdings . . . . .                             | 632                    | 1,352             |          |
| Sheep . . . . .                                | 45,108                 | 141,075           |          |
| <b>100 and under 500 acres:</b>                |                        |                   |          |
| Holdings . . . . .                             | 5,558                  | 11,759            |          |
| Sheep . . . . .                                | 1,339,335              | 2,751,151         |          |
| <b>500 and under 1,000 acres:</b>              |                        |                   |          |
| Holdings . . . . .                             | 7,727                  | 8,300             |          |
| Sheep . . . . .                                | 3,869,591              | 3,567,205         |          |
| <b>1,000 and under 5,000 acres:</b>            |                        |                   |          |
| Holdings . . . . .                             | 13,696                 | 6,280             |          |
| Sheep . . . . .                                | 18,249,213             | 7,129,684         |          |
| <b>5,000 and under 10,000 acres:</b>           |                        |                   |          |
| Holdings . . . . .                             | 2,155                  | 296               |          |
| Sheep . . . . .                                | 8,694,753              | 1,601,730         |          |
| <b>10,000 and under 20,000 acres:</b>          |                        |                   |          |
| Holdings . . . . .                             | 926                    | 92                |          |
| Sheep . . . . .                                | 6,144,239              | 985,565           |          |
| <b>20,000 and under 50,000 acres:</b>          |                        |                   |          |
| Holdings . . . . .                             | 684                    | 17                |          |
| Sheep . . . . .                                | 5,640,466              | 303,145           |          |
| <b>50,000 and under 100,000 acres:</b>         |                        |                   |          |
| Holdings . . . . .                             | 227                    | 1                 |          |
| Sheep . . . . .                                | 2,175,956              | 6,200             |          |
| <b>100,000 acres and upwards:</b>              |                        |                   |          |
| Holdings . . . . .                             | 199                    | —                 |          |
| Sheep . . . . .                                | 4,082,461              | —                 |          |
| <b>Ill-defined areas:</b>                      |                        |                   |          |
| Holdings . . . . .                             | —                      | —                 |          |
| Sheep . . . . .                                | 15,327                 | 26,537            |          |
| <b>Total holdings . . . . .</b>                | <b>31,708</b>          | <b>29,076</b>     |          |
| <b>Sheep . . . . .</b>                         | <b>58,184,950</b>      | <b>16,498,222</b> |          |

(1) 1928-29. — (2) 1927-28.

## AND NUMBER OF SHEEP, 1928.

| STATES     |                 |                   |           | TERRITORIES        |                               | TOTAL       |
|------------|-----------------|-------------------|-----------|--------------------|-------------------------------|-------------|
| Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory (2) |             |
| number     | number          | number            | number    | number             | number                        | number      |
| 121        | 216             | 67                | 176       | —                  | 1                             | 2,064       |
| 4,874      | 18,329          | 3,460             | 5,533     | —                  | 100                           | 96,506      |
| 88         | 294             | 67                | 370       | —                  | 2                             | 2,613       |
| 7,937      | 28,894          | 7,969             | 18,451    | —                  | 79                            | 249,513     |
| 487        | 2,493           | 645               | 2,130     | —                  | 21                            | 23,695      |
| 109,919    | 517,217         | 116,551           | 252,559   | —                  | 6,356                         | 5,093,690   |
| 379        | 3,118           | 1,380             | 521       | —                  | 51                            | 21,476      |
| 196,414    | 890,596         | 430,834           | 167,873   | —                  | 42,645                        | 9,185,159   |
| 1,100      | 4,328           | 4,375             | 654       | —                  | 96                            | 29,927      |
| 1,510,771  | 2,487,373       | 2,750,151         | 550,864   | —                  | 135,753                       | 32,813,809  |
| 462        | 359             | 359               | 141       | —                  | 4                             | 3,770       |
| 1,287,746  | 619,835         | 581,911           | 367,835   | —                  | 21,666                        | 13,087,076  |
| 722        | 164             | 113               | 54        | —                  | 2                             | 2,073       |
| 2,730,843  | 638,353         | 333,990           | 255,773   | —                  | 5,002                         | 10,813,765  |
| 720        | 108             | 30                | 32        | —                  | 1                             | 1,592       |
| 4,425,360  | 425,578         | 125,276           | 289,861   | —                  | 56                            | 11,209,742  |
| 242        | 50              | 32                | 3         | —                  | —                             | 555         |
| 3,192,217  | 315,194         | 132,367           | 49,441    | —                  | —                             | 5,871,395   |
| 168        | 106             | 341               | 2         | —                  | —                             | 816         |
| 4,991,226  | 1,338,578       | 4,460,473         | 42,815    | —                  | —                             | 14,915,573  |
| 832        | —               | —                 | —         | —                  | —                             | 832         |
| 51,894     | —               | —                 | —         | —                  | —                             | 93,958      |
| 5,321      | 11,236          | 7,407             | 4,891     | —                  | 178                           | 89,017      |
| 18,509,261 | 7,079,947       | 8,943,002         | 2,600,665 | —                  | 213,659                       | 103,429,586 |

## 34. — CLASSIFICATION OF FLOCKS

| CLASSIFICATION<br>ACCORDING TO SIZE OF FLOCK | New South<br>Wales (1) | Victoria          |
|--|------------------------|-------------------|
|  | number                 | number            |
| Under 500:                                   |                        |                   |
| flocks . . . . .                             | 13,061                 | 19,902            |
| sheep . . . . .                              | 2,822,070              | 3,602,345         |
| 500 and under 1,000:                         |                        |                   |
| flocks . . . . .                             | 6,789                  | 5,225             |
| sheep . . . . .                              | 4,805,500              | 3,584,454         |
| 1,000 and under 2,000:                       |                        |                   |
| flocks . . . . .                             | 5,669                  | 2,591             |
| sheep . . . . .                              | 2,912,167              | 3,493,546         |
| 2,000 and under 5,000:                       |                        |                   |
| flocks . . . . .                             | 4,271                  | 1,046             |
| sheep . . . . .                              | 12,795,438             | 3,029,857         |
| 5,000 and under 10,000:                      |                        |                   |
| flocks . . . . .                             | 1,209                  | 227               |
| sheep . . . . .                              | 8,257,635              | 1,563,323         |
| 10,000 and under 20,000:                     |                        |                   |
| flocks . . . . .                             | 518                    | 76                |
| sheep . . . . .                              | 7,113,710              | 981,485           |
| 20,000 and under 50,000:                     |                        |                   |
| flocks . . . . .                             | 171                    | 9                 |
| sheep . . . . .                              | 4,943,643              | 216,875           |
| 50,000 and under 100,000:                    |                        |                   |
| flocks . . . . .                             | 19                     | —                 |
| sheep . . . . .                              | 1,364,245              | —                 |
| 100,000 and upwards:                         |                        |                   |
| flocks . . . . .                             | 1                      | —                 |
| sheep . . . . .                              | 155,097                | —                 |
| Travelling flocks . . . . .                  | 15,527                 | 26,557            |
| <b>Total flocks . . . . .</b>                | <b>31,308</b>          | <b>20,076</b>     |
| <b>Sheep . . . . .</b>                       | <b>50,184,950</b>      | <b>16,698,322</b> |

(1) 1928-29. — (2) 1927-28.

## AND NUMBER OF SHEEP, 1928.

| STATES     |                 |                   |           | TERRITORIES        |                               | TOTAL       |
|------------|-----------------|-------------------|-----------|--------------------|-------------------------------|-------------|
| Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory (2) |             |
| number     | number          | number            | number    | number             | number                        | number      |
| 1,948      | 8,313           | 4,120             | 3,367     | —                  | 38                            | 50,749      |
| 270,670    | 1,505,367       | 1,033,743         | 418,946   | —                  | 9,375                         | 9,660,516   |
| 546        | 1,580           | 1,836             | 332       | —                  | 51                            | 16,361      |
| 411,937    | 1,129,392       | 1,275,979         | 229,632   | —                  | 36,535                        | 11,473,437  |
| 758        | 790             | 872               | 178       | —                  | 68                            | 10,896      |
| 1,129,391  | 1,091,052       | 1,199,746         | 251,262   | —                  | 92,391                        | 15,169,555  |
| 1,695      | 406             | 281               | 142       | —                  | 19                            | 7,260       |
| 3,637,181  | 1,222,793       | 838,772           | 498,974   | —                  | 58,652                        | 22,041,667  |
| 553        | 105             | 115               | 54        | —                  | 2                             | 2,265       |
| 3,830,572  | 738,115         | 812,108           | 356,060   | —                  | 16,706                        | 15,574,609  |
| 279        | 55              | 114               | 14        | —                  | —                             | 1,056       |
| 3,093,600  | 779,692         | 1,631,124         | 178,354   | —                  | —                             | 14,584,168  |
| 113        | 14              | 65                | 4         | —                  | —                             | 376         |
| 3,899,575  | 389,380         | 1,901,540         | 107,377   | —                  | —                             | 10,958,601  |
| 24         | 3               | 4                 | —         | —                  | —                             | 50          |
| 1,570,488  | 225,946         | 249,899           | —         | —                  | —                             | 3,410,578   |
| 3          | —               | —                 | —         | —                  | —                             | 4           |
| 359,384    | —               | —                 | —         | —                  | —                             | 514,391     |
| —          | —               | —                 | —         | —                  | —                             | 42,004      |
| 5,321      | 11,236          | 7,407             | 4,091     | —                  | 178                           | 89,017      |
| 18,509,201 | 7,079,947       | 8,943,802         | 2,000,695 | —                  | 213,659                       | 103,429,586 |

## 35. — LIVESTOCK

| DESCRIPTION                                    | New South Wales |                 | Victoria        |                 |
|--|-----------------|-----------------|-----------------|-----------------|
|  | 1,000 imp. gals | 1,000 imp. gals | 1,000 imp. gals | 1,000 imp. gals |
| <b>MILK:</b>                                   |                 |                 |                 |                 |
| Used for butter . . . . .                      | 218,529         | 202,252         |                 |                 |
| Used for cheese . . . . .                      | 8,832           | 6,761           |                 |                 |
| Used for condensing or concentrating . . . . . |                 | 14,443          |                 |                 |
| Used for other purposes . . . . .              | 56,585          | 50,716          |                 |                 |
| <i>Total . . . . .</i>                         | <i>283,947</i>  | <i>274,172</i>  |                 |                 |
| <b>BUTTER:</b>                                 |                 |                 |                 |                 |
| Made in factories . . . . .                    | 99,967          | 87,170          |                 |                 |
| Made on dairy and other farms . . . . .        | 4,208           | 3,470           |                 |                 |
| <i>Total . . . . .</i>                         | <i>104,175</i>  | <i>90,640</i>   |                 |                 |
| <b>CHEESE:</b>                                 |                 |                 |                 |                 |
| Made in factories . . . . .                    | 6,163           | 6,748           |                 |                 |
| Made on dairy and other farms . . . . .        | 182             | 206             |                 |                 |
| <i>Total . . . . .</i>                         | <i>6,345</i>    | <i>6,954</i>    |                 |                 |
| CONDENSED OR CONCENTRATED MILK . . . . .       | (1)             | (2)             | 39,752          |                 |
| POWDERED MILK . . . . .                        | (1)             | (2)             | 11,829          |                 |
| <b>BACON AND HAM:</b>                          |                 |                 |                 |                 |
| Made in factories . . . . .                    | 20,984          | 18,222          |                 |                 |
| Made on dairy and other farms . . . . .        | 632             | 666             |                 |                 |
| <i>Total . . . . .</i>                         | <i>21,616</i>   | <i>18,888</i>   |                 |                 |
| <b>WOOL:</b>                                   |                 |                 |                 |                 |
| Shorn . . . . .                                | (4)             | 418,660         | 132,402         |                 |
| Dead and fellmongered wool . . . . .           | (4)             | 19,942          | 11,687          |                 |
| Estimated quantity exported on skins . . . . . | (4)             | 23,250          | 16,574          |                 |
| <i>Total . . . . .</i>                         | <i>(4)</i>      | <i>461,852</i>  | <i>160,663</i>  |                 |
| HONEY . . . . .                                | 2,102           | 3,098           |                 |                 |
| BEEWAX . . . . .                               | 35              | 30              |                 |                 |

(1) Including milk used for making cheese. — (2) Including 2,369 thousand lb. of casein, and 69 thousand lb. of other

## PRODUCTS, 1929-30.

| DESCRIPTION                                    | STATES          |                 |                   |                 | TERRITORIES         |                           | TOTAL           |
|--|-----------------|-----------------|-------------------|-----------------|---------------------|---------------------------|-----------------|
|  | Queensland      | South Australia | Western Australia | Tasmania        | Northwest Territory | Federal Capital Territory |                 |
|  | 1,000 imp. gals | 1,000 imp. gals | 1,000 imp. gals   | 1,000 imp. gals | 1,000 imp. gals     | 1,000 imp. gals           | 1,000 imp. gals |
| Milk . . . . .                                 | 162,257         | 23,222          | (1) 13,137        | 18,292          | —                   | 91                        | 637,720         |
| Butter . . . . .                               | 12,939          | 3,290           | —                 | 937             | —                   | —                         | 47,172          |
| Cheese . . . . .                               | 13,324          | 8,292           | 8,229             | 6,237           | —                   | 244                       | 143,628         |
| <i>Total . . . . .</i>                         | <i>188,520</i>  | <i>34,774</i>   | <i>21,366</i>     | <i>25,466</i>   | <i>—</i>            | <i>275</i>                | <i>828,520</i>  |
| Condensed or concentrated milk . . . . .       | 76,104          | 2,657           | 4,723             | 6,440           | —                   | —                         | 282,561         |
| Powdered milk . . . . .                        | 2,693           | 3,133           | 1,456             | 2,049           | —                   | 11                        | 17,020          |
| <i>Total . . . . .</i>                         | <i>78,797</i>   | <i>10,790</i>   | <i>6,179</i>      | <i>8,489</i>    | <i>—</i>            | <i>11</i>                 | <i>299,081</i>  |
| Cheese . . . . .                               | 12,375          | 3,537           | —                 | 762             | —                   | —                         | 29,585          |
| Other . . . . .                                | 6               | —               | 1                 | 193             | —                   | —                         | 588             |
| <i>Total . . . . .</i>                         | <i>12,381</i>   | <i>3,537</i>    | <i>1</i>          | <i>955</i>      | <i>—</i>            | <i>—</i>                  | <i>30,173</i>   |
| Condensed or concentrated milk . . . . .       | (3)             | —               | —                 | —               | —                   | —                         | 39,752          |
| Powdered milk . . . . .                        | —               | —               | —                 | —               | —                   | —                         | 11,829          |
| Bacon and ham . . . . .                        | 18,924          | 4,820           | 2,601             | 1,696           | —                   | —                         | 67,247          |
| Other . . . . .                                | 271             | 413             | 112               | 758             | 1                   | —                         | 2,853           |
| <i>Total . . . . .</i>                         | <i>19,195</i>   | <i>5,233</i>    | <i>2,713</i>      | <i>2,454</i>    | <i>1</i>            | <i>—</i>                  | <i>70,100</i>   |
| Shorn wool . . . . .                           | 155,967         | 56,084          | (5) 67,151        | 12,825          | 30                  | —                         | 845,119         |
| Dead and fellmongered wool . . . . .           | 751             | 2,316           | —                 | —               | —                   | —                         | 34,696          |
| Estimated quantity exported on skins . . . . . | 4,369           | 8,901           | (5) 5,412         | 1,275           | —                   | —                         | 59,781          |
| <i>Total . . . . .</i>                         | <i>161,087</i>  | <i>67,301</i>   | <i>(5) 72,563</i> | <i>14,100</i>   | <i>30</i>           | <i>—</i>                  | <i>937,596</i>  |
| Honey . . . . .                                | 714             | 678             | 612               | 116             | —                   | 4                         | 7,324           |
| Bee wax . . . . .                              | 11              | 8               | 10                | 2               | —                   | 0                         | 96              |

milk products. — (3) Information not available. — (4) Including Federal Capital Territory. — (5) For year ended 31 December 1929.



## 36. — WOOL-DESCRIPTIONS SOLD

| DESCRIPTION                              | New South Wales |         | Victoria (1) |
|--|-----------------|---------|--------------|
|  | bales           | bales   |              |
| Greasy . . . . .                         | 1,063,294       | 627,540 |              |
| Scoured . . . . .                        | 46,678          | 2,536   |              |
| Total . . . . .                          | 1,109,972       | 630,076 |              |
| Fleeces, etc. . . . .                    | 1,040,023       | 584,889 |              |
| Lambs . . . . .                          | 49,949          | 45,177  |              |
| Total . . . . .                          | 1,109,972       | 630,076 |              |
| Merino . . . . .                         | 1,000,529       | 357,619 |              |
| Crossbred and all other breeds . . . . . | 109,443         | 272,437 |              |
| Total . . . . .                          | 1,109,972       | 630,076 |              |

(1) Including wool sold at Albury. — (2) No selling centre in these Territories.

## 37. — WOOL-DESCRIPTIONS SOLD

| DESCRIPTION                              | New South Wales |           | Victoria (1) |
|--|-----------------|-----------|--------------|
|  | 1,000 lb.       | 1,000 lb. |              |
| Greasy . . . . .                         | 325,805         | 192,286   |              |
| Scoured . . . . .                        | 10,267          | 558       |              |
| Total . . . . .                          | 336,072         | 192,844   |              |
| Fleeces, etc. . . . .                    | 517,924         | 182,430   |              |
| Lambs . . . . .                          | 18,148          | 10,614    |              |
| Total . . . . .                          | 336,072         | 192,844   |              |
| Merino . . . . .                         | 279,612         | 160,446   |              |
| Crossbred and all other breeds . . . . . | 56,460          | 32,398    |              |
| Total . . . . .                          | 336,072         | 192,844   |              |

(\*) See notes Table 14.

(1) Including wool sold at Albury. — (2) No selling centre in these Territories.

## LOCALLY, SEASON 1929-30 (in bales).

| STATES     |                 |                   |          | TERRITORIES (2)    |                           | Total     |
|------------|-----------------|-------------------|----------|--------------------|---------------------------|-----------|
| Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |           |
| bales      | bales           | bales             | bales    | bales              | bales                     | bales     |
| 377,260    | 185,297         | 167,144           | 43,023   | —                  | —                         | 2,464,058 |
| 33,083     | 4,201           | 2,765             | —        | —                  | —                         | 89,263    |
| 410,843    | 189,498         | 169,909           | 43,023   | —                  | —                         | 2,553,321 |
| 391,263    | 179,483         | 157,920           | 41,599   | —                  | —                         | 2,415,187 |
| 19,580     | 10,015          | 11,989            | 1,424    | —                  | —                         | 138,134   |
| 410,843    | 189,498         | 169,909           | 43,023   | —                  | —                         | 2,553,321 |
| 409,671    | 181,323         | 165,022           | 9,216    | —                  | —                         | 2,123,320 |
| 1,172      | 8,275           | 4,887             | 33,787   | —                  | —                         | 430,001   |
| 410,843    | 189,498         | 169,909           | 43,023   | —                  | —                         | 2,553,321 |

## LOCALLY, SEASON 1929-30 (in thousand pounds (\*)).

| STATES     |                 |                   |           | TERRITORIES (2)    |                           | Total     |
|------------|-----------------|-------------------|-----------|--------------------|---------------------------|-----------|
| Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory |           |
| 1,000 lb.  | 1,000 lb.       | 1,000 lb.         | 1,000 lb. | 1,000 lb.          | 1,000 lb.                 | 1,000 lb. |
| 115,750    | 56,772          | 51,216            | 13,183    | —                  | —                         | 735,012   |
| 7,276      | 924             | 608               | —         | —                  | —                         | 19,633    |
| 123,026    | 57,696          | 51,824            | 13,183    | —                  | —                         | 774,645   |
| 116,383    | 54,580          | 49,026            | 12,671    | —                  | —                         | 732,814   |
| 6,643      | 3,116           | 2,798             | 712       | —                  | —                         | 41,831    |
| 123,026    | 57,696          | 51,824            | 13,183    | —                  | —                         | 774,645   |
| 102,358    | 48,003          | 43,118            | 10,368    | —                  | —                         | 644,505   |
| 20,668     | 9,693           | 8,706             | 2,215     | —                  | —                         | 130,140   |
| 123,026    | 57,696          | 51,824            | 13,183    | —                  | —                         | 774,645   |

## 38. — SLAUGHTERING

| SPECIFICATION                  | New South Wales |           | Victoria |        |
|--------------------------------|-----------------|-----------|----------|--------|
|                                | number          | number    | number   | number |
| <b>CATTLE SLAUGHTERED FOR:</b> |                 |           |          |        |
| Consumption . . . . .          | 674,668         | 383,815   |          |        |
| Boiling-down . . . . .         | 5,768           | 3,847     |          |        |
| <i>Total</i> . . . . .         | 680,436         | 387,662   |          |        |
| <b>SHEEP SLAUGHTERED FOR:</b>  |                 |           |          |        |
| Consumption . . . . .          | 6,293,578       | 5,997,937 |          |        |
| Boiling-down . . . . .         | 33,547          | 26,765    |          |        |
| <i>Total</i> . . . . .         | 6,327,125       | 6,024,702 |          |        |
| <b>PIGS SLAUGHTERED FOR:</b>   |                 |           |          |        |
| Consumption . . . . .          | 402,734         | 347,437   |          |        |
| Boiling-down . . . . .         | 2,965           | 251       |          |        |
| <i>Total</i> . . . . .         | 405,699         | 347,688   |          |        |

## 39. — PERSONS PERMANENTLY ENGAGED

| CLASSIFICATION                            | New South Wales |         | Victoria |        |
|---|-----------------|---------|----------|--------|
|   | number          | number  | number   | number |
| <b>Farming (cultivating) principally:</b> |                 |         |          |        |
| Male . . . . .                            | 39,860          | 46,533  |          |        |
| Female . . . . .                          | 472             | 1,502   |          |        |
| <i>Total</i> . . . . .                    | 40,332          | 48,035  |          |        |
| <b>Dairying principally:</b>              |                 |         |          |        |
| Male . . . . .                            | 32,494          | 29,579  |          |        |
| Female . . . . .                          | 9,105           | 8,548   |          |        |
| <i>Total</i> . . . . .                    | 41,599          | 38,127  |          |        |
| <b>Postal pursuits principally:</b>       |                 |         |          |        |
| Male . . . . .                            | 44,069          | 24,932  |          |        |
| Female . . . . .                          | 271             | 1,565   |          |        |
| <i>Total</i> . . . . .                    | 44,340          | 26,497  |          |        |
| <b>Total number of Male</b> . . . . .     | 116,423         | 101,044 |          |        |
| <b>Total number of Female</b> . . . . .   | 9,848           | 11,553  |          |        |
| <b>General total</b> . . . . .            | 126,271         | 112,597 |          |        |

(\*) The numbers employed as shown in the table refer to persons permanently engaged in farm work and exclude, therefore, (1) Including Aborigines and Asiatics.  
 Note. — It is probable that some of the females shown in the above table were only partly engaged in rural occupation, the

## RETURNS, 1929.

| STATES     |                 |                   |          | TERRITORIES        |                           | TOTAL      |
|------------|-----------------|-------------------|----------|--------------------|---------------------------|------------|
| Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |            |
| number     | number          | number            | number   | number             | number                    | number     |
| 629,452    | 116,193         | 91,095            | 35,278   | 1,531              | 2,143                     | 1,934,115  |
| 1,168      | 1,613           | 100               | —        | —                  | —                         | 12,436     |
| 630,620    | 117,806         | 91,195            | 35,278   | 1,531              | 2,143                     | 1,946,551  |
| 1,089,845  | 1,239,770       | 861,717           | 341,527  | 644                | 23,026                    | 15,842,844 |
| 133        | 5,065           | 48                | —        | —                  | —                         | 63,578     |
| 1,089,978  | 1,244,835       | 861,765           | 341,527  | 644                | 23,026                    | 15,911,422 |
| 366,591    | 94,492          | 59,461            | 62,075   | 248                | 384                       | 1,333,362  |
| —          | 458             | 25                | —        | —                  | —                         | 3,639      |
| 366,591    | 94,950          | 59,486            | 62,075   | 248                | 384                       | 1,337,001  |

## IN FARM WORK IN 1929-30 (\*).

| STATES     |                 |                       |          | TERRITORIES        |                           | TOTAL   |
|------------|-----------------|-----------------------|----------|--------------------|---------------------------|---------|
| Queensland | South Australia | Western Australia (1) | Tasmania | Northern Territory | Federal Capital Territory |         |
| number     | number          | number                | number   | number             | number                    | number  |
| 43,501     | 39,158          | 26,701                | 12,073   | —                  | —                         | 198,826 |
| 1,237      | 176             | 5,052                 | 238      | —                  | —                         | 6,657   |
| 44,738     | 40,334          | 29,753                | 12,311   | —                  | —                         | 205,483 |
| 24,918     | 2,384           | 2,929                 | 2,185    | —                  | —                         | 94,489  |
| 16,621     | 1,954           | 709                   | 878      | —                  | —                         | 37,815  |
| 41,539     | 4,338           | 3,638                 | 3,063    | —                  | —                         | 132,304 |
| —          | 6,224           | 5,272                 | 2,420    | —                  | —                         | 82,917  |
| —          | 68              | 1,364                 | 67       | —                  | —                         | 3,273   |
| —          | 6,292           | 6,636                 | 2,487    | —                  | —                         | 86,190  |
| 68,419     | 38,766          | 34,902                | 16,678   | —                  | —                         | 376,252 |
| 17,858     | 2,198           | 5,165                 | 1,183    | —                  | —                         | 47,345  |
| 86,277     | 40,964          | 40,067                | 17,861   | —                  | —                         | 423,597 |

all rural labour, such as shearsmen, harvesters, fruitpickers, cane-cutters, etc. balance of time being devoted to domestic duties.

## 40. — VALUE OF CROPS ON

| CROPS  | New South Wales  |                  | Victoria |
|--|------------------|------------------|----------|
|  | £                | £                | £        |
| <b>CEREALS CUT FOR GRAIN:</b>                |                  |                  |          |
| Wheat . . . . .                              | 6,738,040        | 5,505,060        |          |
| Oats . . . . .                               | 418,960          | 843,090          |          |
| Barley, malting . . . . .                    | 17,370           | 258,379          |          |
| Barley, other . . . . .                      | 7,710            | 124,151          |          |
| Rye . . . . .                                | 9,260            | 2,629            |          |
| Millets . . . . .                            | 923,410          | 144,549          |          |
| Rice . . . . .                               | 335,350          | —                |          |
| <b>Total . . . . .</b>                       | <b>8,442,040</b> | <b>6,878,857</b> |          |
| <b>LEGUMINOUS PLANTS:</b>                    |                  |                  |          |
| Beans . . . . .                              | —                | 26,288           |          |
| Peas . . . . .                               | —                | 56,478           |          |
| <b>Total . . . . .</b>                       | <b>—</b>         | <b>82,766</b>    |          |
| <b>TUBER AND ROOT CROPS:</b>                 |                  |                  |          |
| Beet, edible . . . . .                       | 180              | (1)              |          |
| Potatoes, ordinary . . . . .                 | 207,640          | 967,545          |          |
| Potatoes, sweet . . . . .                    | 59,440           | —                |          |
| Turnips . . . . .                            | 18,380           | (3)              | 5,933    |
| Mangels . . . . .                            | 570              | 6,647            |          |
| Carrots . . . . .                            | 410              | (1)              |          |
| Arrowroot . . . . .                          | 200              | —                |          |
| Other root crops . . . . .                   | 4,610            | —                |          |
| <b>Total . . . . .</b>                       | <b>291,520</b>   | <b>1,000,125</b> |          |
| <b>CULTIVATED PLANTS FOR HAY AND FODDER:</b> |                  |                  |          |
| Wheat . . . . .                              | 1,825,930        | 4,093,128        |          |
| Oats . . . . .                               | 1,481,640        |                  |          |
| Barley . . . . .                             | 7,400            |                  |          |
| Rye . . . . .                                | 3,660            |                  |          |
| Alfalfa . . . . .                            | 1,030,300        |                  |          |
| Other plants for hay . . . . .               | —                |                  |          |
| <b>Total hay . . . . .</b>                   | <b>4,269,160</b> | <b>4,093,128</b> |          |
| Green forage . . . . .                       | 952,190          | 930,892          |          |
| <b>Total . . . . .</b>                       | <b>5,221,350</b> | <b>5,024,020</b> |          |
| <b>STRAW:</b>                                |                  |                  |          |
| Wheat . . . . .                              | —                | 75,106           |          |
| Oats . . . . .                               | 17,470           | —                |          |
| Other . . . . .                              | —                | —                |          |
| <b>Total . . . . .</b>                       | <b>17,470</b>    | <b>75,106</b>    |          |

## ARABLE LAND, 1929-30.

| CROPS  | States           |                  |                   |                | Territories        |                           | TOTAL             |
|--|------------------|------------------|-------------------|----------------|--------------------|---------------------------|-------------------|
|  | Queensland       | South Australia  | Western Australia | Tasmania       | Northern Territory | Federal Capital Territory |                   |
|  | £                | £                | £                 | £              | £                  | £                         | £                 |
| <b>CEREALS CUT FOR GRAIN:</b>                |                  |                  |                   |                |                    |                           |                   |
| Wheat . . . . .                              | 1,036,735        | 5,058,103        | 8,860,518         | 93,960         | —                  | 5,432                     | 27,298,848        |
| Oats . . . . .                               | 9,664            | 250,938          | 388,906           | 193,270        | —                  | 171                       | 2,096,939         |
| Barley, malting . . . . .                    | 29,520           | 693,997          | 32,582            | 27,440         | —                  | —                         | 1,859,288         |
| Barley, other . . . . .                      | 13,605           | 19,331           | 11,063            | 2,740          | —                  | 196                       | 178,796           |
| Rye . . . . .                                | 146              | 915              | 701               | —              | —                  | —                         | 13,649            |
| Millets . . . . .                            | 1,016,694        | —                | 134               | —              | —                  | —                         | 2,084,697         |
| Rice . . . . .                               | 4                | —                | 52                | —              | —                  | —                         | 335,406           |
| <b>Total . . . . .</b>                       | <b>2,106,278</b> | <b>6,023,282</b> | <b>9,299,956</b>  | <b>317,410</b> | <b>—</b>           | <b>5,799</b>              | <b>37,067,623</b> |
| <b>LEGUMINOUS PLANTS:</b>                    |                  |                  |                   |                |                    |                           |                   |
| Beans . . . . .                              | 424              | 6                | 961               | 3,820          | —                  | —                         | 31,999            |
| Peas . . . . .                               | 744              | 24,820           | 8,452             | 134,890        | —                  | —                         | 225,394           |
| <b>Total . . . . .</b>                       | <b>1,168</b>     | <b>24,826</b>    | <b>9,413</b>      | <b>138,710</b> | <b>—</b>           | <b>—</b>                  | <b>257,393</b>    |
| <b>TUBER AND ROOT CROPS:</b>                 |                  |                  |                   |                |                    |                           |                   |
| Beet, edible . . . . .                       | —                | 4,252            | (2)               | —              | —                  | 16                        | 4,448             |
| Potatoes, ordinary . . . . .                 | 225,739          | 126,358          | 212,219           | 615,180        | —                  | 38                        | 2,374,809         |
| Potatoes, sweet . . . . .                    | 52,335           | —                | 305               | —              | 20                 | —                         | 111,960           |
| Turnips . . . . .                            | 4,098            | 15,358           | 6,375             | 75,370         | —                  | 6                         | 126,020           |
| Mangels . . . . .                            | 2,420            | 2,099            | 662               | 10,820         | —                  | 5                         | 23,214            |
| Carrots . . . . .                            | —                | 9,430            | (2)               | 12,050         | —                  | —                         | 21,890            |
| Arrowroot . . . . .                          | 9,740            | —                | —                 | —              | —                  | —                         | 10,020            |
| Other root crops . . . . .                   | 1,250            | 3,370            | 590               | —              | —                  | —                         | 9,760             |
| <b>Total . . . . .</b>                       | <b>298,582</b>   | <b>161,358</b>   | <b>219,991</b>    | <b>713,420</b> | <b>20</b>          | <b>105</b>                | <b>2,682,121</b>  |
| <b>CULTIVATED PLANTS FOR HAY AND FODDER:</b> |                  |                  |                   |                |                    |                           |                   |
| Wheat . . . . .                              | 22,581           | 1,356,127        | 688,029           | —              | —                  | 891                       | 12,721,234        |
| Oats . . . . .                               | 42,080           | 763,186          | 493,158           | 509,150        | —                  | 10,346                    |                   |
| Barley . . . . .                             | 533              | 14,355           | 232               | —              | —                  | —                         |                   |
| Rye . . . . .                                | 143              | 5,044            | (4)               | 29,500         | —                  | (4)                       |                   |
| Alfalfa . . . . .                            | 344,567          | 48,426           | 3,937             | —              | —                  | 467                       |                   |
| Other plants for hay . . . . .               | 37,380           | 23,478           | —                 | —              | —                  | —                         |                   |
| <b>Total hay . . . . .</b>                   | <b>447,284</b>   | <b>2,205,616</b> | <b>1,184,856</b>  | <b>509,150</b> | <b>—</b>           | <b>12,060</b>             | <b>12,721,234</b> |
| Green forage . . . . .                       | 836,496          | 232,487          | 157,325           | 58,110         | —                  | 1,699                     | 3,167,119         |
| <b>Total . . . . .</b>                       | <b>1,283,780</b> | <b>2,438,023</b> | <b>1,342,181</b>  | <b>567,260</b> | <b>—</b>           | <b>13,759</b>             | <b>15,888,353</b> |
| <b>STRAW:</b>                                |                  |                  |                   |                |                    |                           |                   |
| Wheat . . . . .                              | 4,299            | 5,700            | —                 | —              | —                  | —                         | 192,732           |
| Oats . . . . .                               | 241              | 1,653            | 741               | 68,090         | —                  | —                         |                   |
| Other . . . . .                              | 104              | 528              | —                 | —              | —                  | —                         |                   |
| <b>Total . . . . .</b>                       | <b>4,644</b>     | <b>7,881</b>     | <b>741</b>        | <b>68,090</b>  | <b>—</b>           | <b>—</b>                  | <b>192,732</b>    |

## 40. — VALUE OF CROPS ON

| CROPS                                 | New South Wales    |                   | Victoria |   |
|---------------------------------------|--------------------|-------------------|----------|---|
|                                       | £                  | £                 | £        | £ |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b> |                    |                   |          |   |
| Sugar-cane . . . . .                  | 312,760            | —                 | —        | — |
| Sugar-beet . . . . .                  | —                  | 58,355            | —        | — |
| Cotton, unginced . . . . .            | —                  | —                 | —        | — |
| Linseed . . . . .                     | —                  | (2)               | —        | — |
| Peanuts . . . . .                     | 540                | —                 | —        | — |
| Sunflowers . . . . .                  | —                  | 920               | —        | — |
| Tobacco . . . . .                     | 17,700             | 60,126            | —        | — |
| Hops . . . . .                        | —                  | 45,744            | —        | — |
| Chinery . . . . .                     | —                  | 8,932             | —        | — |
| Broom millet . . . . .                | 34,840             | 17,807            | —        | — |
| <i>Total . . . . .</i>                | <i>365,840</i>     | <i>191,884</i>    |          |   |
| <b>VEGETABLES:</b>                    |                    |                   |          |   |
| Asparagus . . . . .                   | 650                | (5)               | —        | — |
| Beans, green . . . . .                | 22,730             | (5)               | —        | — |
| Brussels sprouts . . . . .            | 40                 | (5)               | —        | — |
| Cabbages . . . . .                    | 12,840             | (5)               | —        | — |
| Cauliflower . . . . .                 | 6,220              | (5)               | —        | — |
| Cucumbers . . . . .                   | 190                | (5)               | —        | — |
| Lettuce . . . . .                     | 50                 | (5)               | —        | — |
| Onions . . . . .                      | 5,300              | 135,303           | —        | — |
| Peas, green . . . . .                 | 120,160            | (5)               | —        | — |
| Pumpkins and melons . . . . .         | 66,740             | 17,462            | —        | — |
| Market gardens . . . . .              | 683,330            | 1,166,550         | —        | — |
| Tomatoes . . . . .                    | 192,500            | —                 | —        | — |
| <i>Total . . . . .</i>                | <i>1,110,830</i>   | <i>1,319,315</i>  |          |   |
| <b>CROPS GROWN FOR SEED:</b>          |                    |                   |          |   |
| Canary seed . . . . .                 | —                  | —                 | —        | — |
| Grass and other seeds . . . . .       | 87,460             | 12,206            | —        | — |
| <i>Total . . . . .</i>                | <i>87,460</i>      | <i>12,206</i>     |          |   |
| <b>ALL OTHER CROPS . . . . .</b>      | <b>(6) 169,730</b> | <b>(7) 28,180</b> |          |   |
| <i>Total . . . . .</i>                | <i>15,706,240</i>  | <i>14,611,860</i> |          |   |

(1) Included with turnips. — (2) Information not available. — (3) Includes carrots, parsnips and edible bean. — (4) Includes nurseries 168,800; squash 70; sugar-cane plants 300; total £ 169,730. — (5) Includes: nurseries; flowers; garlic; herbs and seed L. 41,398. — (6) Includes: kitchen gardens £ 24,500; nurseries 10,611; total £ 35,118. — (7) Includes: artichokes, nurseries,

## ARABLE LAND, 1929-30 (concluded).

| CROPS                            | STATES            |                   |                    |                   | TERRITORIES        |                           | TOTAL             |
|----------------------------------|-------------------|-------------------|--------------------|-------------------|--------------------|---------------------------|-------------------|
|                                  | Queensland        | South Australia   | Western Australia  | Tasmania          | Northern Territory | Federal Capital Territory |                   |
|                                  | £                 | £                 | £                  | £                 | £                  | £                         | £                 |
| Sugar-cane . . . . .             | 7,163,024         | —                 | —                  | —                 | —                  | —                         | 2,675,784         |
| Sugar-beet . . . . .             | —                 | —                 | —                  | —                 | —                  | —                         | 58,355            |
| Cotton, unginced . . . . .       | 186,121           | —                 | —                  | —                 | —                  | —                         | 186,121           |
| Linseed . . . . .                | —                 | —                 | —                  | 2,220             | —                  | —                         | 2,220             |
| Peanuts . . . . .                | 145,277           | —                 | 137                | —                 | 10,364             | —                         | 156,318           |
| Sunflowers . . . . .             | —                 | —                 | —                  | —                 | —                  | —                         | 920               |
| Tobacco . . . . .                | 12,670            | 1,319             | 240                | —                 | —                  | —                         | 92,055            |
| Hops . . . . .                   | —                 | 48                | —                  | 85,870            | —                  | —                         | 131,662           |
| Chinery . . . . .                | —                 | 898               | —                  | —                 | —                  | —                         | 9,830             |
| Broom millet . . . . .           | 4,814             | —                 | —                  | —                 | —                  | —                         | 57,461            |
| <i>Total . . . . .</i>           | <i>7,511,906</i>  | <i>2,265</i>      | <i>377</i>         | <i>88,090</i>     | <i>10,364</i>      | <i>—</i>                  | <i>8,170,726</i>  |
| Asparagus . . . . .              | —                 | (5)               | (5)                | —                 | —                  | —                         | 650               |
| Beans, green . . . . .           | 46,548            | (5)               | (5)                | (5)               | —                  | —                         | 69,278            |
| Brussels sprouts . . . . .       | —                 | (5)               | (5)                | (5)               | —                  | —                         | 40                |
| Cabbages . . . . .               | 127,076           | (5)               | (5)                | (5)               | —                  | —                         | 140,136           |
| Cauliflower . . . . .            | 32,099            | (5)               | (5)                | (5)               | —                  | —                         | 32,289            |
| Lettuce . . . . .                | —                 | (5)               | (5)                | (5)               | —                  | —                         | 50                |
| Onions . . . . .                 | 23,940            | 24,901            | 3,485              | —                 | —                  | 12                        | 193,111           |
| Peas, green . . . . .            | 20,634            | (5)               | (5)                | (5)               | —                  | —                         | 140,794           |
| Pumpkins and melons . . . . .    | 255,217           | 14,756            | 9,975              | —                 | —                  | 53                        | 364,203           |
| Market gardens . . . . .         | 42,705            | 119,738           | 242,296            | 20,720            | —                  | 185                       | 2,275,528         |
| Tomatoes . . . . .               | 272,884           | 52,613            | —                  | 2,260             | 40                 | 67                        | 520,364           |
| <i>Total . . . . .</i>           | <i>821,107</i>    | <i>212,088</i>    | <i>255,766</i>     | <i>22,980</i>     | <i>40</i>          | <i>317</i>                | <i>3,742,463</i>  |
| Canary seed . . . . .            | 9,565             | —                 | —                  | —                 | —                  | —                         | 9,565             |
| Grass and other seeds . . . . .  | 25,814            | 34,734            | 36,247             | 5,510             | —                  | —                         | 201,971           |
| <i>Total . . . . .</i>           | <i>35,379</i>     | <i>34,734</i>     | <i>36,247</i>      | <i>5,510</i>      | <i>—</i>           | <i>—</i>                  | <i>211,536</i>    |
| <b>ALL OTHER CROPS . . . . .</b> | <b>(8) 3,305</b>  | <b>(9) 41,398</b> | <b>(10) 35,118</b> | <b>(11) 2,570</b> | <b>—</b>           | <b>—</b>                  | <b>281,301</b>    |
| <i>Total . . . . .</i>           | <i>12,041,149</i> | <i>8,945,855</i>  | <i>11,193,790</i>  | <i>1,944,840</i>  | <i>10,424</i>      | <i>19,960</i>             | <i>64,494,218</i> |

other hay. — (5) Included with Market gardens. — (6) Includes: experimental plots £ 460; grammas 10; marrowes 10; plants agricultural seeds; total £ 29,180. — (8) Includes: coffee £ 309; cow peas 2,990; total £ 3,305. — (9) Includes: nurseries etc. £ 2,570.

## 41. — AVERAGE VALUE PER ACRE

| CROPS  | New South Wales |       | Victoria |        |
|--|-----------------|-------|----------|--------|
|  | £               | s d   | £        | s d    |
| <b>CEREALS CUT FOR GRAIN:</b>                |                 |       |          |        |
| Wheat (1)                                    | 1               | 13 11 | 1        | 10 11  |
| Oats (1)                                     | 2               | 5 4   | 1        | 6 9    |
| Barley, malting (1)                          | 3               | 12 4  | 3        | 18 7   |
| Barley, other (1)                            | 2               | 9 1   | 3        | 17 9   |
| Rye (1)                                      | 2               | 6 7   | 3        | 1 7    |
| Maze   | 8               | 10 8  | 8        | 3 11   |
| Rice (1)                                     | 16              | 19 1  | —        | —      |
| <b>LEGUMINOUS PLANTS:</b>                    |                 |       |          |        |
| Beans  | —               | —     | 14       | 15 2   |
| Peas   | —               | —     | 6        | 13 10  |
| <b>TUBER AND ROOT CROPS:</b>                 |                 |       |          |        |
| Best, edible                                 | 16              | 7 3   | (2)      | —      |
| Potatoes, ordinary                           | 16              | 4 11  | 16       | 6 0    |
| Potatoes, sweet                              | 79              | 5 11  | (4)      | 24 8 4 |
| Turnips                                      | 18              | 4 8   | 13       | 13 6   |
| Mangel                                       | 14              | 5 0   | (2)      | —      |
| Carrots                                      | 31              | 10 9  | —        | —      |
| Arrowroot                                    | 25              | 9 1   | —        | —      |
| Other root crops                             | 44              | 6 6   | —        | —      |
| <b>CULTIVATED PLANTS FOR HAY AND FODDER:</b> |                 |       |          |        |
| Wheat  | 4               | 15 10 | —        | —      |
| Oats   | 6               | 4 1   | —        | —      |
| Barley                                       | 5               | 14 4  | 4        | 14 8   |
| Rye  | 5               | 10 0  | —        | —      |
| Alfalfa                                      | 11              | 10 6  | —        | —      |
| Other plants for hay                         | —               | —     | —        | —      |
| Green forage                                 | 2               | 15 4  | 5        | 18 0   |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>        |                 |       |          |        |
| Sugar-cane (5)                               | 20              | 5 6   | —        | —      |
| Sugar-beet                                   | —               | —     | 23       | 6 10   |
| Cotton, unginned                             | —               | —     | —        | —      |
| Linseed                                      | 49              | 1 10  | —        | —      |
| Peasants                                     | —               | —     | 5        | 17 2   |
| Sunflowers                                   | 39              | 13 9  | 35       | 8 0    |
| Tobacco                                      | —               | —     | 227      | 11 8   |
| Hops   | —               | —     | 19       | 8 11   |
| Chicory                                      | 13              | 16 5  | 10       | 12 4   |
| Broom millet                                 | —               | —     | —        | —      |
| <b>VEGETABLES:</b>                           |                 |       |          |        |
| Asparagus                                    | 72              | 4 5   | (8)      | —      |
| Beans, green                                 | 24              | 8 10  | (8)      | —      |
| Brussels sprouts                             | 20              | 0 0   | (8)      | —      |
| Cauliflowers                                 | 20              | 5 1   | (8)      | —      |
| Carrots                                      | 27              | 5 7   | (8)      | —      |
| Cucumbers                                    | 15              | 16 8  | (8)      | —      |
| Lettuce                                      | 25              | 0 0   | (8)      | —      |
| Onions                                       | 41              | 1 4   | 17       | 5 0    |
| Peas, green                                  | 15              | 5 8   | (8)      | —      |
| Pumpkins and Melons                          | 23              | 13 8  | 14       | 3 9    |
| Market gardens                               | 81              | 10 10 | 55       | 0 0    |
| Tomatoes                                     | 87              | 19 7  | —        | —      |
| <b>CROPS GROWN FOR SEED:</b>                 |                 |       |          |        |
| Canary seed                                  | —               | —     | 7        | 7 2    |
| Grass and other seeds                        | (3)             | —     | —        | —      |
| <b>ALL OTHER CROPS</b>                       | 219             | 11 6  | 16       | 18 9   |
| <b>All crops on arable land</b>              | 2               | 38 1  | 2        | 33 7   |

(1) Exclusive of the value of straw. — (2) Included with turnips. — (3) Not available. — (4) Includes carrots, parsnips and other root crops. — (5) Includes other hay. — (6) Average value per acre of total area under cultivation. — (7) Value per acre of arable land. — (8) Included with Market gardens.

## OF CROPS ON ARABLE LAND, 1929-30.

|                                 | STATES     |                 |                   |          | TERRITORIES        |                           | TOTAL |         |    |     |    |      |    |       |
|---------------------------------|------------|-----------------|-------------------|----------|--------------------|---------------------------|-------|---------|----|-----|----|------|----|-------|
|                                 | Queensland | South Australia | Western Australia | Tasmania | Northern Territory | Federal Capital Territory |       |         |    |     |    |      |    |       |
|                                 | £          | s d             | £                 | s d      | £                  | s d                       | £     | s d     |    |     |    |      |    |       |
| Wheat (1)                       | 5          | 1 7             | 1                 | 7 9      | 2                  | 9 8                       | 5     | 11 11   | —  | —   | 3  | 14 8 | 1  | 16 5  |
| Oats (1)                        | 4          | 15 6            | 0                 | 18 1     | 1                  | 0 2                       | 4     | 19 0    | —  | —   | 1  | 1 2  | 1  | 7 8   |
| Barley, malting (1)             | 4          | 13 5            | 2                 | 8 3      | 1                  | 16 7                      | 4     | 7 4     | —  | —   | —  | —    | 2  | 14 6  |
| Barley, other (1)               | 3          | 19 2            | 1                 | 2 2      | 1                  | 17 10                     | 4     | 4 7     | —  | —   | 3  | 5 4  | 2  | 17 3  |
| Rye (1)                         | 5          | 8 2             | 1                 | 8 9      | 1                  | 16 6                      | —     | —       | —  | —   | —  | —    | 2  | 6 4   |
| Maze                            | 5          | 18 6            | —                 | —        | 4                  | 12 5                      | —     | —       | —  | —   | —  | —    | 7  | 0 0   |
| Rice (1)                        | 4          | 0 0             | —                 | —        | 6                  | 10 0                      | —     | —       | —  | —   | —  | —    | 16 | 19 0  |
| Beans                           | 47         | 2 3             | 6                 | 0 0      | 16                 | 17 2                      | 6     | 10 4    | —  | —   | —  | —    | 12 | 19 4  |
| Peas                            | 21         | 17 8            | 1                 | 16 10    | 3                  | 14 1                      | 5     | 14 5    | —  | —   | —  | —    | 4  | 13 7  |
| Best, edible                    | —          | —               | 56                | 13 10    | (3)                | —                         | —     | —       | —  | —   | 16 | 0 0  | 51 | 2 6   |
| Potatoes, ordinary              | 27         | 16 3            | 27                | 17 2     | 35                 | 4 7                       | 18    | 4 10    | —  | —   | 9  | 15 0 | 19 | 3 1   |
| Potatoes, sweet                 | 25         | 6 8             | —                 | —        | 51                 | 5 0                       | —     | —       | 4  | 0 0 | —  | —    | 36 | 6 10  |
| Turnips                         | 23         | 19 4            | 50                | 19 10    | 27                 | 4 10                      | 16    | 9 6     | —  | —   | 6  | 0 0  | 19 | 5 2   |
| Mangel                          | 20         | 3 4             | 49                | 15 3     | 16                 | 19 6                      | 19    | 4 9     | —  | —   | 5  | 0 0  | 18 | 0 0   |
| Carrots                         | —          | —               | 73                | 13 5     | (7)                | —                         | 51    | 10 5    | —  | —   | —  | —    | 69 | 9 5   |
| Arrowroot                       | 16         | 4 1             | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | 16 | 7 6   |
| Other root crops                | 178        | 11 5            | 62                | 8 2      | 75                 | 14 3                      | —     | —       | —  | —   | —  | —    | 56 | 14 10 |
| Wheat                           | 5          | 18 6            | 4                 | 5 3      | 3                  | 5 7                       | —     | —       | —  | —   | 4  | 11 5 | —  | —     |
| Oats                            | 16         | 2 8             | 3                 | 11 8     | 2                  | 6 8                       | 6     | 7 1     | —  | —   | 5  | 9 2  | —  | —     |
| Barley                          | 7          | 6 0             | 3                 | 17 9     | 1                  | 8 6                       | —     | —       | —  | —   | —  | —    | —  | —     |
| Rye                             | 7          | 10 6            | 4                 | 9 9      | (5)                | —                         | —     | —       | —  | —   | —  | —    | 4  | 15 8  |
| Alfalfa                         | 8          | 12 3            | 7                 | 19 5     | 13                 | 8 9                       | —     | —       | —  | —   | 8  | 1 0  | —  | —     |
| Other plants for hay            | 11         | 12 1            | 7                 | 17 6     | —                  | —                         | —     | —       | —  | —   | —  | —    | —  | —     |
| Green forage                    | 4          | 0 0             | 2                 | 13 9     | 1                  | 3 9                       | 2     | 10 0    | —  | —   | 3  | 13 1 | 3  | 4 10  |
| Sugar-cane (5)                  | 24         | 11 2            | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | 24 | 6 11  |
| Sugar-beet                      | (7)        | 12 8 1          | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | 23 | 6 10  |
| Cotton, unginned                | —          | —               | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | 12 | 8 1   |
| Linseed                         | 26         | 0 6             | —                 | —        | 8                  | 11 3                      | 2     | 11 4    | 17 | 5 6 | —  | —    | 2  | 11 4  |
| Peasants                        | 70         | 13 8            | 35                | 13 0     | 40                 | 0 0                       | —     | —       | —  | —   | —  | —    | 37 | 5 3   |
| Sunflowers                      | —          | —               | 48                | 0 0      | —                  | —                         | (7)   | 73 11 8 | —  | —   | —  | —    | 94 | 5 7   |
| Tobacco                         | 12         | 14 8            | 40                | 16 4     | —                  | —                         | —     | —       | —  | —   | —  | —    | 12 | 11 2  |
| Hops                            | —          | —               | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | —  | —     |
| Chicory                         | —          | —               | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | —  | —     |
| Broom millet                    | —          | —               | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | —  | —     |
| Asparagus                       | 39         | 3 8             | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 72 | 4 5   |
| Beans, green                    | —          | —               | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 32 | 14 2  |
| Brussels sprouts                | —          | —               | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 20 | 0 0   |
| Cauliflowers                    | 86         | 16 0            | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 62 | 16 7  |
| Carrots                         | 88         | 8 6             | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 86 | 2 1   |
| Cucumbers                       | —          | —               | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 25 | 0 0   |
| Lettuce                         | 51         | 5 3             | 55                | 5 4      | 62                 | 8 2                       | —     | —       | —  | —   | 12 | 0 0  | 21 | 12 3  |
| Onions                          | 25         | 7 0             | (8)               | —        | (8)                | —                         | —     | —       | —  | —   | —  | —    | 16 | 4 7   |
| Peas, green                     | 23         | 3 5             | 46                | 19 10    | 9                  | 7 4                       | —     | —       | —  | —   | —  | —    | 22 | 2 11  |
| Pumpkins and Melons             | 49         | 10 11           | 72                | 4 4      | 78                 | 15 11                     | 39    | 1 10    | —  | —   | 13 | 5 0  | 63 | 13 11 |
| Market gardens                  | 65         | 10 4            | 82                | 17 1     | —                  | —                         | 37    | 1 0     | 10 | 0 0 | 67 | 0 0  | 73 | 15 4  |
| Tomatoes                        | —          | —               | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | —  | —     |
| Canary seed                     | 10         | 1 9             | —                 | —        | —                  | —                         | —     | —       | —  | —   | —  | —    | 10 | 1 9   |
| Grass and other seeds           | 13         | 16 8            | 17                | 8 11     | (3)                | —                         | 7     | 4 10    | —  | —   | —  | —    | 12 | 8 11  |
| <b>ALL OTHER CROPS</b>          | 6          | 18 7            | 233               | 17 9     | 51                 | 3 18                      | 8     | 11 4    | —  | —   | —  | —    | 68 | 0 3   |
| <b>All crops on arable land</b> | 11         | 19 9            | 1                 | 16 8     | 2                  | 8 5                       | 8     | 6 10    | 17 | 2 4 | 4  | 11 0 | 2  | 19 11 |

(1) Exclusive of the value of straw. — (2) Included with turnips. — (3) Not available. — (4) Includes carrots, parsnips and other root crops. — (5) Includes other hay. — (6) Average value per acre of total area under cultivation. — (7) Value per acre of arable land. — (8) Included with Market gardens.

## 42. — VALUE OF PRODUCTION OF VINEYARDS, OLIVE GROVES,

| CROPS                                | New South Wales  |                  | Victoria |   |
|--------------------------------------|------------------|------------------|----------|---|
|                                      | £                | £                | £        | £ |
| <b>VINEYARDS:</b>                    |                  |                  |          |   |
| For wine . . . . .                   | (1) 112,020      | 62,182           |          |   |
| For table use . . . . .              | 115,530          | 48,062           |          |   |
| For drying purposes . . . . .        | 187,950          | 2,301,540        |          |   |
| <b>OLIVE GROVES:</b> . . . . .       | 89               | 1,919            |          |   |
| <b>ORCHARDS AND FRUIT GARDENS:</b>   |                  |                  |          |   |
| Apples . . . . .                     | 530,250          | 521,603          |          |   |
| Apricots . . . . .                   | 82,910           | 78,248           |          |   |
| Bananas . . . . .                    | 138,590          | —                |          |   |
| Cherries . . . . .                   | 112,360          | 40,303           |          |   |
| Lemons . . . . .                     | 158,430          | 57,041           |          |   |
| Oranges . . . . .                    | 1,294,340        | 206,954          |          |   |
| Other citrus, N. E. I. . . . .       | 11,680           | —                |          |   |
| Coconuts . . . . .                   | —                | —                |          |   |
| Quart apple . . . . .                | 28               | —                |          |   |
| Figs . . . . .                       | 4,040            | 7,607            |          |   |
| Mangoes . . . . .                    | 150              | —                |          |   |
| Nectarines . . . . .                 | 14,110           | 6,003            |          |   |
| Nuts . . . . .                       | 5,469            | 4,303            |          |   |
| Passion fruit . . . . .              | 54,030           | 9,797            |          |   |
| Pawpaws . . . . .                    | 50               | —                |          |   |
| Peaches . . . . .                    | 199,260          | 253,141          |          |   |
| Pears . . . . .                      | 135,350          | 109,543          |          |   |
| Persimmons . . . . .                 | 1,570            | 116              |          |   |
| Pineapples . . . . .                 | 9,740            | —                |          |   |
| Plums . . . . .                      | 120,340          | 59,615           |          |   |
| Quinces . . . . .                    | 4,840            | 14,856           |          |   |
| Raspberries . . . . .                | 600              | 8,984            |          |   |
| Strawberries . . . . .               | 3,260            | 36,142           |          |   |
| Other small fruit, N. E. I. . . . .  | 1,340            | 25,526           |          |   |
| All recorded fruit, N. E. I. . . . . | 2,605            | 74,414           |          |   |
| <b>Total . . . . .</b>               | <b>2,894,940</b> | <b>1,593,716</b> |          |   |
| <b>General Total . . . . .</b>       | <b>3,309,860</b> | <b>4,027,419</b> |          |   |

(1) Including £ 20,970 nitrogen broods. — (2) Included with "all other N. E. I." — (3) Included with "other small N. E. I."

## ORCHARDS AND FRUIT GARDENS, 1929-30.

| STATES    | TERRITORIES |                 |                   |          | TOTAL |                    |
|-----------|-------------|-----------------|-------------------|----------|-------|--------------------|
|           | Queensland  | South Australia | Western Australia | Tasmania |       | Northern Territory |
| £         | £           | £               | £                 | £        | £     | £                  |
| 4,598     | 495,187     | 17,847          | —                 | —        | —     | 711,834            |
| 76,643    | 8,272       | 54,129          | —                 | —        | —     | 302,636            |
| —         | 587,915     | 53,242          | —                 | —        | —     | 3,130,687          |
| —         | 4,034       | (2)             | —                 | —        | —     | 6,033              |
| 95,355    | 347,744     | 279,166         | 663,000           | —        | 497   | 2,437,095          |
| 5,530     | 58,583      | 22,154          | 26,250            | —        | 24    | 275,701            |
| 927,923   | —           | 2,526           | —                 | —        | —     | 1,069,039          |
| 368       | 27,830      | —               | 800               | —        | 78    | 181,739            |
| 10,435    | 15,252      | 33,514          | —                 | —        | —     | 274,672            |
| 175,900   | 208,667     | 140,029         | —                 | —        | —     | 2,034,750          |
| —         | 962         | 1,192           | —                 | —        | —     | 13,834             |
| 5,500     | —           | —               | —                 | —        | —     | 5,500              |
| 16,342    | —           | —               | —                 | —        | —     | 16,370             |
| 1,011     | 6,430       | 7,795           | —                 | —        | —     | 26,843             |
| 18,971    | —           | —               | —                 | —        | —     | 19,121             |
| 3,201     | 10,925      | 9,519           | —                 | —        | —     | 43,756             |
| —         | 18,240      | (2)             | —                 | —        | —     | 28,012             |
| 11,428    | (2)         | (3)             | —                 | —        | —     | 75,255             |
| 17,957    | —           | —               | —                 | —        | —     | 18,007             |
| 59,668    | 39,085      | 41,718          | 1,250             | —        | 11    | 394,133            |
| 5,589     | 35,865      | 43,822          | 62,790            | —        | 26    | 472,985            |
| 173       | (2)         | —               | —                 | —        | —     | 1,859              |
| 212,326   | —           | —               | —                 | —        | —     | 222,046            |
| 51,561    | 24,218      | 30,356          | 11,960            | —        | 36    | 307,086            |
| 124       | 3,173       | 2,572           | 1,140             | —        | 11    | 26,716             |
| —         | 5,063       | (3)             | 50,500            | —        | —     | 65,147             |
| 35,143    | 6,238       | 4,068           | 19,100            | —        | —     | 101,951            |
| —         | 3,855       | 355             | 28,900            | —        | —     | 50,976             |
| 8,897     | 1,077       | 6,656           | —                 | —        | —     | 93,647             |
| 1,661,402 | 813,227     | 634,204         | 865,690           | —        | 683   | 8,463,262          |
| 1,742,643 | 1,908,635   | 759,422         | 885,690           | —        | 683   | 12,614,452         |

## 43. — VALUE OF DAIRY

| SPECIFICATION                             | New South Wales |            | Victoria |
|---|-----------------|------------|----------|
|   | £               | £          | £        |
| Milk consumed as such . . . . .           | 2,829,308       | 2,535,796  |          |
| Butter . . . . .                          | 7,651,678       | 6,888,086  |          |
| Cheese . . . . .                          | 288,217         | 381,183    |          |
| Condensed and concentrated milk . . . . . | 1,290,306       | 1,557,879  |          |
| Bacon and lard . . . . .                  |                 | 1,078,272  |          |
| Pork . . . . .                            | 544,766         | 343,340    |          |
| Lard . . . . .                            | 22,638          | 39,534     |          |
| Live stock . . . . .                      | 11,894          | 109,735    |          |
| Eggs and poultry . . . . .                | 3,471,000       | 4,638,000  |          |
| Honey and beeswax . . . . .               | 48,596          | 69,991     |          |
| <i>Total</i> . . .                        | 16,158,595      | 17,647,815 |          |
| Wool . . . . .                            | 22,346,000      | 7,546,000  |          |
| <b>General total</b> . . .                | 38,507,595      | 25,193,815 |          |

(1) Value of total production of wool based upon the export values of the local produce of the several States.

## PRODUCTION AND WOOL, 1929-30.

| STATES     |                 |                   |           | TERRITORIES        |                           | Total          |
|------------|-----------------|-------------------|-----------|--------------------|---------------------------|----------------|
| Queensland | South Australia | Western Australia | Tasmania  | Northern Territory | Federal Capital Territory |                |
| £          | £               | £                 | £         | £                  | £                         | £              |
| 666,177    | 414,622         | 411,429           | 311,854   | —                  | 12,224                    | 7,181,430      |
| 6,002,701  | 969,070         | 524,925           | 656,599   | —                  | 804                       | 22,694,063     |
| 550,869    | 138,454         | 20                | 38,965    | —                  | —                         | 1,397,728      |
| 1,104,683  | —               | —                 | —         | —                  | —                         | 5,612,202      |
|            | 296,784         | 171,881           | 112,135   | —                  | 62                        |                |
| 274,430    | 115,215         | 104,522           | 113,973   | 662                | 993                       | 1,497,691      |
| 57,749     | 2,174           | 3,531             | 4,361     | —                  | —                         | 114,979        |
| 15,205     | 24,366          | 38,198            | 3,447     | —                  | 73                        | 202,918        |
| 635,145    | 950,542         | 542,291           | 300,000   | —                  | 4,075                     | 10,541,053     |
| 13,052     | 10,454          | 11,468            | 2,799     | —                  | 95                        | 156,466        |
| 9,399,201  | 2,926,681       | 1,808,085         | 1,541,144 | 662                | 18,326                    | 49,398,510     |
| 7,787,090  | 2,546,000       | 3,216,000         | 774,000   | 2,000              | —                         | (1) 44,222,000 |
| 17,087,291 | 5,474,681       | 5,024,085         | 2,318,144 | 2,662              | 18,326                    | 93,620,510     |

NEW ZEALAND



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## THE AGRICULTURAL CENSUS OF NEW ZEALAND

In New Zealand an agricultural census is taken regularly each year. In 1929-30, with a view to the world agricultural census, certain complementary questions were added to the usual questionnaires. Statistics were obtained through the police organization, by sub-enumerators, who collected data directly from occupiers of holdings of not less than 1 acre located outside boroughs. The canvass of occupiers was carried out during the months of February and March 1930.

The data in general refer to the agricultural year 1929-30, particulars of the crops being sought in respect of the harvest of 1930. Those of machinery and of numbers of livestock relate to 31 January 1930 except for total sheep, for which the date is 30 April 1930. The numbers of sheep shorn and those of lambs tailed refer to the season 1929-30. The data concerning wood cut, top-dressing, stock slaughtered and butter produced on holdings are for the twelve months ended 31 January 1930; those concerning bees refer to 16 February 1929. Poultry statistics are those of the 1926 Census and the details given as to the distribution of cattle and pigs according to breed refer to the year 1928, no inquiry on these subjects having been carried out since those dates respectively.

All the data include reserves and native lands leased but are exclusive of Maori holdings on the communal system; the data of the 1929-30 Census also exclude holdings within borough boundaries, the enumeration of which is made only quinquennially, in conjunction with the population census. For the holdings within boroughs the data published in the present Bulletin, with the exception of those for poultry, which refer to the year 1926, in which a population census was taken, are not those of a census enumeration. These data, given in Part A of the Bulletin, comprise total number of livestock, poultry, bees, distribution of sheep according to size of flock and according to breed, distribution of apiaries and beehives according to size of apiary and of beehives according to breed, and livestock products. Data in Parts B and C are all exclusive of holdings within borough boundaries.

The data contained in the present Bulletin were drawn from: 1) the Statistical Report on the Agricultural and Pastoral Production of the Dominion of New Zealand for the season 1929-30; 2) the New Zealand Official Yearbook, 1932; 3) information supplied directly to the International Institute of Agriculture by the Census and Statistics Office, Wellington.

A - GENERAL DATA

## 1. — AREA.

|   |                  |
|---|------------------|
| Area occupied in holdings of not less than 1 acre (1) . . . . . | 43,368,653 acres |
| Other areas . . . . .   | 28,021,609 "     |
| Total area of the Dominion (2) . . . . .                        | 66,390,262 "     |

(1) Including reserves and native lands leased but excluding areas within borough boundaries and Maori holdings held on the customary system. — (2) Excluding the Cook and other Pacific Islands annexed in 1901.

## 2. — NUMBER AND AREA OF HOLDINGS AND THEIR DISTRIBUTION ACCORDING TO SIZE.

| CLASSIFICATION                   | Number of holdings |                         | Area          |                     |                         |
|----------------------------------|--------------------|-------------------------|---------------|---------------------|-------------------------|
|                                  | Absolute data      | Percentage of the total | Absolute data | Average per holding | Percentage of the total |
|                                  | number             | %                       | acres         | acres               | %                       |
| 1 acre and under . . . . .       | 5                  |                         |               |                     |                         |
| 5 acres and under . . . . .      | 7,496              | 8.8                     | 19,466        | 2.6                 | 0.0                     |
| 10 acres and under . . . . .     | 5,533              | 6.4                     | 36,564        | 6.6                 | 0.1                     |
| 15 acres and under . . . . .     | 3,795              | 4.5                     | 43,718        | 11.5                | 0.1                     |
| 20 acres and under . . . . .     | 2,043              | 2.4                     | 34,993        | 16.8                | 0.1                     |
| 30 acres and under . . . . .     | 3,540              | 4.2                     | 60,819        | 22.8                | 0.2                     |
| 40 acres and under . . . . .     | 2,457              | 2.8                     | 82,315        | 33.8                | 0.2                     |
| 50 acres and under . . . . .     | 2,580              | 3.0                     | 113,118       | 43.8                | 0.3                     |
| 75 acres and under . . . . .     | 6,266              | 7.4                     | 325,235       | 51.9                | 0.9                     |
| 100 acres and under . . . . .    | 5,084              | 6.0                     | 499,544       | 86.5                | 1.0                     |
| 150 acres and under . . . . .    | 9,216              | 10.8                    | 1,097,382     | 119.1               | 2.5                     |
| 200 acres and under . . . . .    | 5,956              | 7.0                     | 1,021,581     | 171.5               | 2.4                     |
| 250 acres and under . . . . .    | 4,904              | 5.8                     | 1,376,159     | 219.4               | 2.5                     |
| 320 acres and under . . . . .    | 4,505              | 5.3                     | 1,274,604     | 282.9               | 2.9                     |
| 400 acres and under . . . . .    | 3,561              | 4.2                     | 1,271,477     | 357.1               | 2.9                     |
| 500 acres and under . . . . .    | 3,413              | 4.0                     | 1,510,602     | 442.6               | 3.5                     |
| 640 acres and under . . . . .    | 3,362              | 3.9                     | 1,894,087     | 563.4               | 4.4                     |
| 750 acres and under . . . . .    | 1,674              | 2.0                     | 1,155,712     | 690.4               | 2.7                     |
| 1,000 acres and under . . . . .  | 2,585              | 3.0                     | 2,238,503     | 866.6               | 5.2                     |
| 1,600 acres and under . . . . .  | 4,017              | 4.7                     | 5,510,419     | 1,371.8             | 12.7                    |
| 2,000 acres and under . . . . .  | 1,150              | 1.4                     | 2,778,359     | 2,415.9             | 6.4                     |
| 3,000 acres and under . . . . .  | 611                | 0.7                     | 2,097,698     | 3,433.1             | 4.8                     |
| 4,000 acres and under . . . . .  | 327                | 0.4                     | 1,457,949     | 4,458.6             | 3.4                     |
| 5,000 acres and under . . . . .  | 385                | 0.5                     | 2,313,883     | 6,010.1             | 5.3                     |
| 7,500 acres and under . . . . .  | 167                | 0.2                     | 1,426,121     | 8,539.6             | 3.3                     |
| 10,000 acres and under . . . . . | 195                | 0.2                     | 2,348,498     | 12,043.6            | 5.4                     |
| 15,000 acres and under . . . . . | 111                | 0.1                     | 1,905,397     | 17,147.7            | 4.4                     |
| 20,000 acres and under . . . . . | 86                 | 0.1                     | 2,139,023     | 24,882.1            | 4.9                     |
| 30,000 acres and under . . . . . | 74                 | 0.1                     | 2,805,747     | 37,888.5            | 6.4                     |
| 50,000 acres and above . . . . . | 54                 | 0.1                     | 4,823,710     | 89,328.0            | 11.1                    |
| Total . . . . .                  | 85,167             | 100.0                   | 43,368,653    | 509.2               | 100.0                   |

## 3. — NUMBER AND AREA OF HOLDINGS AND THEIR DISTRIBUTION ACCORDING TO TENURE.

| CLASSIFICATION                         | Number of holdings |                         | Area          |                     |                         |
|--|--------------------|-------------------------|---------------|---------------------|-------------------------|
|  | Absolute data      | Percentage of the total | Absolute data | Average per holding | Percentage of the total |
|  | number             | %                       | acres         | acres               | %                       |
| Freehold . . . . .                     | 53,487             | 62.8                    | 15,851,600    | 295.0               | 36.5                    |
| Crown lease . . . . .                  | 11,901             | 14.0                    | 10,147,898    | 852.7               | 23.4                    |
| Private lease . . . . .                | 7,050              | 8.2                     | 1,875,400     | 152.5               | 2.5                     |
| Public bodies lease . . . . .          | 966                | 1.1                     | 299,426       | 310.5               | 0.7                     |
| Maori lease . . . . .                  | 1,342              | 1.6                     | 722,216       | 538.2               | 1.7                     |
| Mixed leaseholds . . . . .             | 729                | 0.9                     | 537,542       | 737.4               | 1.2                     |
| Mixed freehold and leasehold . . . . . | 9,752              | 11.4                    | 14,754,571    | 1,513.0             | 34.0                    |
| Total . . . . .                        | 85,167             | 100.0                   | 43,368,653    | 509.2               | 100.0                   |

4. — NUMBER AND AREA OF HOLDINGS AND THEIR DISTRIBUTION  
ACCORDING TO NATURE OF OCCUPANCY.

| CLASSIFICATION            | NUMBER OF HOLDINGS |                         | AREA              |                     |                         |
|---------------------------|--------------------|-------------------------|-------------------|---------------------|-------------------------|
|                           | Absolute data      | Percentage of the total | Absolute data     | Average per holding | Percentage of the total |
|                           | number             | %                       | acres             | acres               | %                       |
| Owner or lessee . . . . . | 83,164             | 97.6                    | 39,417,213        | 474.0               | 90.3                    |
| Manager . . . . .         | 1,222              | 1.4                     | 3,801,429         | 3,110.8             | 8.8                     |
| Shareworker . . . . .     | 781                | 1.0                     | 150,011           | 192.1               | 0.3                     |
| <b>Total . . . . .</b>    | <b>85,167</b>      | <b>100.0</b>            | <b>43,368,653</b> | <b>509.2</b>        | <b>100.0</b>            |

5. — NUMBER AND AREA OF HOLDINGS AND THEIR DISTRIBUTION  
ACCORDING TO PURPOSE.

| CLASSIFICATION                                | NUMBER OF HOLDINGS |                         | AREA              |                     |                         |
|---|--------------------|-------------------------|-------------------|---------------------|-------------------------|
|   | Absolute data      | Percentage of the total | Absolute data     | Average per holding | Percentage of the total |
|   | number             | %                       | acres             | acres               | %                       |
| Dairy farming . . . . .                       | 33,391             | 39.1                    | 5,484,646         | 104.6               | 8.0                     |
| Sheep and cattle grazing . . . . .            | 17,255             | 20.3                    | 29,675,226        | 1,719.7             | 68.4                    |
| Mixed agriculture and sheep farming . . . . . | 4,681              | 5.5                     | 1,992,023         | 425.6               | 4.6                     |
| Mixed dairying and sheep farming . . . . .    | 6,803              | 8.0                     | 2,901,162         | 411.8               | 6.5                     |
| General mixed farming . . . . .               | 2,970              | 3.5                     | 421,431           | 141.9               | 1.0                     |
| Orchards . . . . .                            | 1,474              | 1.7                     | 37,279            | 25.3                | 0.1                     |
| Market gardens . . . . .                      | 957                | 1.1                     | 10,859            | 11.3                | 0.0                     |
| Poultry farming . . . . .                     | 287                | 0.3                     | 2,894             | 9.7                 | 0.0                     |
| Nurseries . . . . .                           | 55                 | 0.1                     | 1,368             | 24.8                | 0.0                     |
| Timber growing . . . . .                      | 186                | 0.1                     | 322,516           | 3,048.7             | 0.7                     |
| Flax growing . . . . .                        | 49                 | 0.1                     | 45,976            | 938.1               | 0.1                     |
| Idle and unused . . . . .                     | 6,310              | 7.4                     | 1,898,715         | 300.9               | 4.4                     |
| Other and unspecified . . . . .               | 10,889             | 12.8                    | 2,676,762         | 245.8               | 6.1                     |
| <b>Total . . . . .</b>                        | <b>85,167</b>      | <b>100.0</b>            | <b>43,368,653</b> | <b>509.2</b>        | <b>100.0</b>            |

6. — LAND UTILIZATION OF TOTAL AREA OCCUPIED.

| CLASSIFICATION   | AREA              |                     |                             |
|--|-------------------|---------------------|-----------------------------|
|  | Absolute data     | Average per holding | Percentage of general total |
|  | acres             | acres               | %                           |
| ARABLE AND OTHER CULTIVATED LAND (1) . . . . .             | 1,795,107         | 21.1                | 4.1                         |
| SOWN PASTURE, PLANTATIONS AND OTHER AREAS:                 |                   |                     |                             |
| Sown pasture (not cut for seed, hay or ensilage) . . . . . | 16,872,948        | 198.1               | 38.9                        |
| Plantations . . . . .                                      | 299,020           | 3.4                 | 0.7                         |
| Other areas (2) . . . . .                                  | 24,411,578        | 286.6               | 56.3                        |
| <b>Total . . . . .</b>                                     | <b>41,573,546</b> | <b>488.1</b>        | <b>95.9</b>                 |
| <b>General total . . . . .</b>                             | <b>43,368,653</b> | <b>509.2</b>        | <b>100.0</b>                |

(1) Not including fallow land (acres 124,565). — (2) Including fallow land (acres 124,565).

7. — UTILIZATION OF ARABLE AND OTHER CULTIVATED LAND.

| CLASSIFICATION  | AREA           |                     |                             | PRODUCTION         |              |
|---|----------------|---------------------|-----------------------------|--------------------|--------------|
|   | Absolute data  | Average per holding | Percentage of general total | Quantity harvested | Yield        |
|   | acres          | acres               | %                           | 1,000 lb.          | lb. per acre |
| <b>ARABLE LAND</b>  |                |                     |                             |                    |              |
| <b>CEREALS CUT FOR GRAIN:</b>                                       |                |                     |                             |                    |              |
| Wheat . . . . .   | 235,942        | 2.77                | 13.15                       | 434,373            | 1,841        |
| Oats . . . . .  | 67,722         | 0.80                | 3.77                        | 120,092            | 1,773        |
| Barley . . . . .  | 18,229         | 0.21                | 1.02                        | 57,250             | 2,071        |
| Rye . . . . .   | 177            | 0.00                | 0.01                        | 211                | 1,192        |
| Maize . . . . .   | 7,958          | 0.10                | 0.44                        | 21,168             | 2,660        |
| <b>Total . . . . .</b>  | <b>330,628</b> | <b>3.88</b>         | <b>18.39</b>                | —                  | —            |
| <b>LEGUMINOUS PLANTS FOR GRAIN:</b>                                 |                |                     |                             |                    |              |
| Beans . . . . .   | 171            | 0.00                | 0.01                        | 217                | 1,269        |
| Peas . . . . .  | 9,855          | 0.12                | 0.35                        | 17,655             | 1,791        |
| Lupins . . . . .  | 395            | 0.00                | 0.02                        | 605                | 1,526        |
| Vetches, tares . . . . .  | 123            | 0.00                | 0.01                        | 187                | 1,520        |
| <b>Total . . . . .</b>  | <b>10,544</b>  | <b>0.12</b>         | <b>0.59</b>                 | —                  | —            |
| <b>TUBER AND ROOT CROPS FOR FOOD OR FEEDING:</b>                    |                |                     |                             |                    |              |
| Potatoes . . . . .  | 23,214         | 0.27                | 1.29                        | 291,440            | 12,554       |
| Kumara (sweet potatoes) . . . . .                                   | 187            | 0.00                | 0.01                        | —                  | —            |
| Turnips . . . . .   | 475,254        | 5.58                | 26.48                       | —                  | —            |
| Manioc . . . . .  | 10,519         | 0.12                | 0.59                        | —                  | —            |
| Carrots and turneps (for stock) . . . . .                           | 579            | 0.01                | 0.03                        | —                  | —            |
| <b>Total . . . . .</b>  | <b>509,753</b> | <b>5.98</b>         | <b>28.49</b>                | —                  | —            |
| <b>CULTIVATED GRASSES AND LEGUMINOUS PLANTS FOR HAY AND FORAGE:</b> |                |                     |                             |                    |              |
| Grasses and clovers cut for hay or ensilage . . . . .               | 380,896        | 4.48                | 21.22                       | 1,819,332          | 4,776        |
| Lucerne cut for hay . . . . .                                       | 31,690         | 0.37                | 1.77                        | 183,071            | 5,777        |
| Lupins . . . . .  | 95             | 0.00                | 0.01                        | —                  | —            |
| Scorodella . . . . .  | 2              | 0.00                | 0.00                        | —                  | —            |
| Wheat for chaff, hay or ensilage . . . . .                          | 1,491          | 0.02                | 0.08                        | 4,301              | 2,885        |
| Wheat not harvested (fed off) . . . . .                             | 1,220          | 0.01                | 0.07                        | —                  | —            |
| Oats for chaff, hay or ensilage . . . . .                           | 190,072        | 2.23                | 10.59                       | 705,004            | 3,709        |
| Oats not harvested (fed off) . . . . .                              | 25,820         | 0.30                | 1.39                        | —                  | —            |
| Barley for chaff, hay or ensilage . . . . .                         | 402            | 0.00                | 0.02                        | 1,846              | 4,592        |
| Maize for ensilage . . . . .  | 695            | 0.01                | 0.04                        | 5,840              | 8,403        |
| Millet . . . . .  | 117            | 0.00                | 0.01                        | —                  | —            |
| Other green fodder crops (1) . . . . .                              | 203,438        | 2.39                | 11.33                       | —                  | —            |
| <b>Total . . . . .</b>  | <b>825,140</b> | <b>9.87</b>         | <b>46.53</b>                | —                  | —            |
| <b>CROPS FOR INDUSTRIAL PURPOSES:</b>                               |                |                     |                             |                    |              |
| Sugar-beet . . . . .  | 5              | 0.00                | 0.00                        | —                  | —            |
| Linnseed for thrashing . . . . .                                    | 7,757          | 0.09                | 0.43                        | 7,882              | 1,016        |
| Tobacco . . . . .   | 1,073          | 0.01                | 0.06                        | —                  | —            |
| Hops . . . . .  | 598            | 0.01                | 0.03                        | 843                | 1,049        |
| Chicory . . . . .   | 12             | 0.00                | 0.00                        | —                  | —            |
| Ryegrass for thatching . . . . .                                    | 3              | 0.00                | 0.00                        | —                  | —            |
| <b>Total . . . . .</b>  | <b>9,448</b>   | <b>0.11</b>         | <b>0.52</b>                 | —                  | —            |

## 7. — UTILIZATION OF ARABLE AND OTHER CULTIVATED LAND (concluded).

| CLASSIFICATION                                  | AREA             |                     |                             | PRODUCTION         |              |
|---|------------------|---------------------|-----------------------------|--------------------|--------------|
|   | Absolute data    | Average per holding | Percentage of general total | Quantity harvested | Yield        |
|   | acres            | acres               | %                           | 1,000 lb.          | lb. per acre |
| <b>VEGETABLES</b>                               |                  |                     |                             |                    |              |
| Artichokes . . . . .                            | 58               | 0.00                | 0.01                        | ...                | ...          |
| Onions . . . . .                                | 870              | 0.01                | 0.05                        | 22,989             | 26,424       |
| Tomatoes . . . . .                              | 426              | 0.01                | 0.02                        | ...                | ...          |
| Pumpkins and marrows (for stock) . . . . .      | 617              | 0.01                | 0.03                        | ...                | ...          |
| Other market gardens (2) . . . . .              | 4,491            | 0.05                | 0.25                        | ...                | ...          |
| <b>Total . . . . .</b>                          | <b>6,502</b>     | <b>0.08</b>         | <b>0.36</b>                 | <b>—</b>           | <b>—</b>     |
| <b>CROPS GROWN FOR SEED</b>                     |                  |                     |                             |                    |              |
| Rye-grass, perennial . . . . .                  | 24,336           | 0.29                | 1.36                        | 9,923              | 416          |
| Rye-grass, western waltia and Italian . . . . . | 5,719            | 0.07                | 0.32                        | 2,964              | 518          |
| Cocksfoot . . . . .                             | 11,729           | 0.14                | 0.65                        | 2,010              | 171          |
| Chewing fescue . . . . .                        | 9,808            | 0.11                | 0.55                        | 2,416              | 246          |
| Crested dogtail . . . . .                       | 3,404            | 0.04                | 0.18                        | 829                | 243          |
| Red clover and cow-grass . . . . .              | 4,705            | 0.05                | 0.26                        | 1,040              | 221          |
| White clover . . . . .                          | 3,710            | 0.04                | 0.21                        | 685                | 183          |
| Other grasses and clovers for seed . . . . .    | 3,446            | 0.04                | 0.19                        | 314                | 91           |
| Sweet peas . . . . .                            | 2                | 0.00                | 0.00                        | 2                  | 1,000        |
| <b>Total . . . . .</b>                          | <b>65,657</b>    | <b>0.79</b>         | <b>3.72</b>                 | <b>—</b>           | <b>—</b>     |
| <b>Total arable land (3) . . . . .</b>          | <b>1,768,272</b> | <b>20.76</b>        | <b>98.51</b>                | <b>—</b>           | <b>—</b>     |
| <b>OTHER CULTIVATED LAND</b>                    |                  |                     |                             |                    |              |
| <b>VINEYARDS</b>                                |                  |                     |                             |                    |              |
| Vineyards . . . . .                             | 328              | 0.00                | 0.02                        | ...                | ...          |
| <b>ORCHARDS</b>                                 |                  |                     |                             |                    |              |
| Commercial orchards, bearing . . . . .          | 17,774           | 0.21                | 0.99                        | ...                | ...          |
| Commercial orchards, not bearing . . . . .      | 1,400            | 0.02                | 0.08                        | ...                | ...          |
| <b>Total commercial orchards . . . . .</b>      | <b>19,174</b>    | <b>0.23</b>         | <b>1.07</b>                 | <b>...</b>         | <b>...</b>   |
| Orchards for private use only . . . . .         | 5,687            | 0.06                | 0.31                        | ...                | ...          |
| <b>Total . . . . .</b>                          | <b>24,861</b>    | <b>0.29</b>         | <b>1.38</b>                 | <b>—</b>           | <b>—</b>     |
| <b>SMALL FRUITS CULTIVATED</b>                  |                  |                     |                             |                    |              |
| Passion fruit . . . . .                         | 5                | 0.00                | 0.00                        | ...                | ...          |
| Other small bush fruits and berries . . . . .   | 954              | 0.01                | 0.05                        | ...                | ...          |
| <b>Total . . . . .</b>                          | <b>959</b>       | <b>0.01</b>         | <b>0.05</b>                 | <b>—</b>           | <b>—</b>     |
| <b>OTHER CROPS OTHER</b>                        |                  |                     |                             |                    |              |
| Other crops . . . . .                           | 30               | 0.00                | 0.00                        | ...                | ...          |
| <b>NURSERIES AND SEED-GARDENS</b>               |                  |                     |                             |                    |              |
| Nurseries and seed-gardens . . . . .            | 657              | 0.01                | 0.04                        | ...                | ...          |
| <b>Total other cultivated land . . . . .</b>    | <b>26,835</b>    | <b>0.32</b>         | <b>1.40</b>                 | <b>—</b>           | <b>—</b>     |
| <b>General total . . . . .</b>                  | <b>1,795,107</b> | <b>21.07</b>        | <b>100.0</b>                | <b>—</b>           | <b>—</b>     |

(1) Including barley, maize, beans, peas, etc. fed off. — (2) Including potato areas of less than  $\frac{1}{4}$  ac. — (3) Not including fallow land (124,565 acres) returned in the following table under "other areas". Arable land including fallow land: 1,892,837 acres.

## 8. — SOWN PASTURE, PLANTATIONS AND OTHER AREAS.

| CLASSIFICATION  | AREA              |                     |                             |
|---|-------------------|---------------------|-----------------------------|
|   | Absolute data     | Average per holding | Percentage of general total |
|   | acres             | acres               | %                           |
| <b>SOWN PASTURE (NOT CUT FOR SEED, HAY OR ENSILAGE):</b>              |                   |                     |                             |
| New pasture (1) . . . . .   | 161,453           | 1.9                 | 0.4                         |
| Old pasture (2) . . . . .   | 16,711,490        | 196.2               | 40.2                        |
| <b>Total sown pasture not cut for seed, hay or ensilage . . . . .</b> | <b>16,872,943</b> | <b>198.1</b>        | <b>40.6</b>                 |
| <b>PLANTATIONS:</b>   |                   |                     |                             |
| Conifers . . . . .  | 269,501           | 3.2                 | 0.7                         |
| Eucalypts and broad-leaved trees . . . . .                            | 19,519            | 0.2                 | 0.0                         |
| <b>Total plantations . . . . .</b>                                    | <b>289,020</b>    | <b>3.4</b>          | <b>0.7</b>                  |
| <b>OTHER AREAS:</b>   |                   |                     |                             |
| Fallow land . . . . .   | 124,565           | 1.5                 | 0.3                         |
| Private gardens and grounds about residences . . . . .                | 74,434            | 0.8                 | 0.2                         |
| <i>Unimproved occupied land:</i>                                      |                   |                     |                             |
| Phormium (New Zealand flax) . . . . .                                 | 68,260            | 0.8                 | 0.2                         |
| Tarsock and other native grasses . . . . .                            | 14,182,142        | 166.5               | 34.1                        |
| Fern, scrub and second growth . . . . .                               | 3,980,643         | 46.7                | 9.6                         |
| Standing virgin bush . . . . .  | 3,757,421         | 44.2                | 9.0                         |
| Barren and unproductive occupied land . . . . .                       | 2,224,113         | 26.1                | 5.3                         |
| <b>Total unimproved occupied land . . . . .</b>                       | <b>26,212,579</b> | <b>294.3</b>        | <b>58.2</b>                 |
| <b>Total other areas . . . . .</b>                                    | <b>26,411,578</b> | <b>296.6</b>        | <b>58.7</b>                 |
| <b>General total . . . . .</b>  | <b>41,573,546</b> | <b>488.1</b>        | <b>100.0</b>                |

(1) Under one year's growth on land which has not been previously cultivated. — (2) Growth of one year or more, or on land which has been previously cultivated.

## 9. — FRUIT GROWING IN COMMERCIAL ORCHARDS (Excluding boroughs).

| CLASSIFICATION                  | NUMBER OF TREES | QUANTITY OF FRUIT |           |               |
|---------------------------------|-----------------|-------------------|-----------|---------------|
|                                 |                 | Gathered          | Sold      | Held for sale |
|                                 |                 | 1,000 lb.         | 1,000 lb. | 1,000 lb.     |
| Apples . . . . .                | 1,305,776       | 87,279            | 71,518    | 12,557        |
| Apricots . . . . .              | 62,564          | 2,142             | 2,077     | 1             |
| Cherries . . . . .              | 17,488          | 277               | 267       | —             |
| <i>Citrus fruits:</i>           |                 |                   |           |               |
| Lemons . . . . .                | 24,907          | 1,496             | 1,354     | 66            |
| Oranges . . . . .               | 6,501           | 336               | 279       | 49            |
| Nectarines . . . . .            | 16,669          | 751               | 701       | 1             |
| Peaches . . . . .               | 116,754         | 6,067             | 5,795     | 18            |
| Pears . . . . .                 | 115,745         | 10,839            | 9,125     | 1,382         |
| Plums . . . . .                 | 51,935          | 3,022             | 2,860     | 10            |
| Quinces . . . . .               | 1,993           | 113               | 107       | 0.1           |
| Walnuts . . . . .               | 976             | 14                | 14        | —             |
| Other fruits and nuts . . . . . | 7,575           | (1) 3,434         | (1) 3,311 | (1) 9         |

(1) Bushels.

## 10. — WOOD CUT FOR FUEL AND FENCING POSTS (Twelve months ending 31 January 1930) (Excluding boroughs).

|                                      |                             |
|--------------------------------------|-----------------------------|
| Wood cut for fuel . . . . .          | (cubic feet) (1) 20,304,630 |
| Wood cut for fencing posts . . . . . | (number) 2,180,301          |

(1) Solid contents. The original figure in cords has been reduced to cubic feet of solid contents using the following coefficient 1 cord = 93 cubic feet.

## 11. — MACHINERY AND POWER USED ON 31 JANUARY 1930 (Excluding boroughs).

| CLASSIFICATION  | MACHINERY ON THE HOLDINGS |                     | Power         |                     |
|---|---------------------------|---------------------|---------------|---------------------|
|   | Absolute data             | Average per holding | Absolute data | Average per holding |
|   | number                    | number              | nominal H. P. | nominal H. P.       |
| <b>POWER MACHINERY:</b>   |                           |                     |               |                     |
| Water wheels or motors . . . . .  | 923                       | 0.01                | (1) 3,555     | 0.04                |
| Steam engines . . . . .   | 398                       | 0.00                | 1,771         | 0.02                |
| Internal combustion engines . . . . .                                     | 19,169                    | 0.23                | 58,552        | 0.69                |
| Electric motors . . . . .   | 16,456                    | 0.19                | 28,638        | 0.34                |
| Portable or traction engines . . . . .                                    | 817                       | 0.01                | 5,070         | 0.06                |
| Agricultural tractors . . . . .   | 3,891                     | 0.05                | 59,217        | 0.70                |
| <b>HARVESTING MACHINERY: Reapers and binders</b>                          | 15,484                    | 0.18                | —             | —                   |
| <b>MACHINERY FOR THE TREATMENT OF HARVESTED CROPS: Thrashing machines</b> | 418                       | 0.00                | —             | —                   |
| <b>MACHINERY FOR THE PREPARATION OF LIVESTOCK FEEDS: Crushers</b>         | 2,206                     | 0.03                | —             | —                   |
| <b>MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS:</b>               |                           |                     |               |                     |
| Milking machines . . . . .  | 20,415                    | 0.24                | (2) 72,147    | 0.85                |
| Cream separators . . . . .  | 46,302                    | 0.57                | —             | —                   |
| Shearing machines . . . . .   | 7,394                     | 0.09                | (3) 21,482    | 0.25                |
| Wool-presses . . . . .  | 9,986                     | 0.12                | —             | —                   |

(1) Approximate H. P., being aggregate power of cases where specified. — (2) Number of cows capable of being milked simultaneously. — (3) Number of stands.

## 12. — TOP-DRESSING (Twelve months ending 31 January 1930) (Excluding boroughs).

| NATURE OF TOP-DRESSING                             | AREA TOP-DRESSED (*) |                     | QUANTITY used |
|--|----------------------|---------------------|---------------|
|  | Absolute data        | Average per holding |               |
|  | acres                | acres               | 1,000 lb.     |
| Superphosphate . . . . .                           | 1,761,958            | 20.7                | 456,663       |
| Basic slag . . . . .                               | 651,494              | 7.6                 | 181,398       |
| Other artificial fertilizers and manures . . . . . | 441,205              | 5.2                 | 112,958       |
| Lime . . . . .                                     | 359,663              | 4.2                 | 210,546       |

(\*) After making allowance for areas on which two or more fertilizers were used, and areas which were top-dressed more than once, the actual total area top-dressed in 1929-30 was 2,650,748 acres, an average of 31.1 acres per holding.

## 13. — IRRIGATED LAND (1929-30) (Excluding boroughs).

| NATURE OF IRRIGATED LAND              | AREA IRRIGATED |                         |
|---------------------------------------|----------------|-------------------------|
|                                       | Absolute data  | Percentage of the total |
|                                       | acres          | %                       |
| Orchards . . . . .                    | 1,987          | 3.1                     |
| Market gardens . . . . .              | 36             | 0.1                     |
| Green fodder and root crops . . . . . | 1,712          | 2.6                     |
| Pasture . . . . .                     | 58,214         | 89.7                    |
| Lucerne . . . . .                     | 2,436          | 3.8                     |
| Hay . . . . .                         | 158            | 0.2                     |
| Oats . . . . .                        | 201            | 0.3                     |
| Wheat . . . . .                       | 102            | 0.2                     |
| <b>Total irrigated land . . . . .</b> | <b>64,846</b>  | <b>100.0</b>            |

## 14. — LIVESTOCK ON 31 JANUARY 1930 (Including boroughs).

| DESCRIPTION  | NUMBER OF LIVESTOCK |                                       |
|--|---------------------|---------------------------------------|
|  | Absolute data       | Percentage of total for each category |
|  | number              | %                                     |
| <b>Horses:</b>   |                     |                                       |
| Colts and geldings under 1 year old . . . . .                          | 4,892               | 1.6                                   |
| Fillies under 1 year old . . . . .                                     | 6,637               | 2.2                                   |
| Colts and geldings 1 year old and under 3 . . . . .                    | 9,907               | 3.0                                   |
| Fillies 1 year old and under 3 . . . . .                               | 9,730               | 3.3                                   |
| Stallions 3 years old and over . . . . .                               | 1,883               | 0.6                                   |
| Mares 3 years old and over: with foal or to foal this season . . . . . | 13,497              | 4.6                                   |
| dry . . . . .  | 121,258             | 40.8                                  |
| Geldings 3 years old and over . . . . .                                | 130,291             | 43.9                                  |
| <b>Total . . . . .</b>   | <b>297,195</b>      | <b>100.0</b>                          |
| <b>ARES AND STULES . . . . .</b>                                       | <b>218</b>          | <b>—</b>                              |
| <b>CATTLE:</b>   |                     |                                       |
| Heifers under 1 year old . . . . .                                     | 550,036             | 14.6                                  |
| Steers and bulls under 1 year old . . . . .                            | 234,418             | 6.2                                   |
| Heifers 1 year old and under 2 . . . . .                               | 450,939             | 12.0                                  |
| Steers and bulls 1 year old and under 2 . . . . .                      | 177,000             | 4.7                                   |
| Dairy cows and heifers 2 years old and over: in milk . . . . .         | 1,389,541           | 36.9                                  |
| dry . . . . .  | 51,869              | 1.3                                   |
| <b>Total . . . . .</b>   | <b>1,441,410</b>    | <b>38.2</b>                           |
| Other cows and heifers 2 years old and over . . . . .                  | 527,214             | 14.0                                  |
| Stall bulls 2 years old and over: for beef purposes . . . . .          | 14,582              | 0.4                                   |
| for dairy purposes . . . . .   | 36,791              | 1.3                                   |
| Stoats 2 years old and over (1) . . . . .                              | 323,553             | 8.6                                   |
| <b>Total . . . . .</b>   | <b>3,770,223</b>    | <b>100.0</b>                          |
| <b>SHEEP (2):</b>  |                     |                                       |
| Lambs . . . . .  | 8,382,907           | 27.2                                  |
| Rams . . . . .   | 448,617             | 1.5                                   |
| Ewes: breeding . . . . .   | 17,564,175          | 57.0                                  |
| dry . . . . .  | 1,027,672           | 3.4                                   |
| <b>Total . . . . .</b>   | <b>18,661,847</b>   | <b>60.4</b>                           |
| Wethers . . . . .  | 3,367,916           | 10.9                                  |
| <b>Total . . . . .</b>   | <b>30,841,287</b>   | <b>100.0</b>                          |
| <b>GOATS:</b>  |                     |                                       |
| Angora . . . . .   | 9,514               | 24.3                                  |
| Others . . . . .   | 29,613              | 75.7                                  |
| <b>Total . . . . .</b>   | <b>39,127</b>       | <b>100.0</b>                          |
| <b>SWINE:</b>  |                     |                                       |
| Pigs under 6 months old . . . . .                                      | 302,880             | 62.1                                  |
| Pigs 6 months and under 1 year old . . . . .                           | 110,485             | 22.6                                  |
| Sows 1 year old and over . . . . .                                     | 61,706              | 12.7                                  |
| Born 1 year old and over . . . . .                                     | 12,722              | 2.6                                   |
| <b>Total . . . . .</b>   | <b>487,793</b>      | <b>100.0</b>                          |
| <b>POULTRY (3):</b>  |                     |                                       |
| Fowls . . . . .  | 3,398,384           | 87.5                                  |
| Ducks . . . . .  | 352,050             | 9.3                                   |
| Geese . . . . .  | 43,879              | 1.2                                   |
| Turkeys . . . . .  | 76,852              | 2.0                                   |
| <b>Total . . . . .</b>   | <b>3,781,145</b>    | <b>100.0</b>                          |
| <b>BIRDS (4) . . . . .</b>   | <b>91,901</b>       | <b>—</b>                              |

(1) Including bulls not kept for breeding purposes. — (2) On 30 April 1930. — (3) Census 1926. — (4) On 16 February 1929.

15. — PRINCIPAL CATEGORIES OF LIVESTOCK ON HOLDINGS ON 31 JANUARY 1930  
(Excluding boroughs).

| DESCRIPTION                      | NUMBERS OF LIVESTOCK |                     |
|----------------------------------|----------------------|---------------------|
|                                  | Absolute data        | Average per holding |
|                                  | number               | number              |
| Horses .....                     | 284,190              | 3.3                 |
| Cattle:                          |                      |                     |
| Dairy cows 2 years old and over: |                      |                     |
| in milk .....                    | 1,369,025            | 16.0                |
| dry .....                        | 47,950               | 0.6                 |
| Total .....                      | 1,416,975            | 16.6                |
| Other cattle .....               | 2,316,283            | 27.2                |
| Total cattle .....               | 3,733,258            | 43.8                |
| Sheep (excl. (1)) .....          | 26,999,410           | 317.0               |
| Lamb-tailed (1) .....            | 14,887,599           | 174.6               |
| Pigs .....                       | 460,133              | 5.6                 |

(1) Season 1929-30.

16. — DISTRIBUTION OF CATTLE ON HOLDINGS ACCORDING TO SIZE OF HERD  
ON 31 JANUARY 1930 (Excluding boroughs).

| SIZE OF HERD<br>OF ALL<br>CATTLE | NUMBER OF HERDS<br>OF ALL CATTLE |                         | NUMBER OF CATTLE                |                         |               |                         |               |                         |               |                         |               |                         |
|----------------------------------|----------------------------------|-------------------------|---------------------------------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
|                                  |                                  |                         | Dairy cows 2 years old and over |                         |               |                         |               |                         | Other cattle  |                         | Total         |                         |
|                                  |                                  |                         | in milk                         |                         | dry           |                         | Total         |                         |               |                         |               |                         |
|                                  | Absolute data                    | Percentage of the total | Absolute data                   | Percentage of the total | Absolute data | Percentage of the total | Absolute data | Percentage of the total | Absolute data | Percentage of the total | Absolute data | Percentage of the total |
|                                  | number                           | %                       | number                          | %                       | number        | %                       | number        | %                       | number        | %                       | number        | %                       |
| 1 to 9 .....                     | 19,061                           | 27.1                    | 47,506                          | 3.5                     | 1,589         | 8.3                     | 49,095        | 3.5                     | 33,080        | 1.4                     | 82,175        | 2.2                     |
| 10 to 19 .....                   | 9,795                            | 14.0                    | 64,466                          | 4.7                     | 2,397         | 5.4                     | 67,063        | 4.7                     | 69,961        | 3.0                     | 137,024       | 3.7                     |
| 20 to 24 .....                   | 3,539                            | 5.0                     | 36,082                          | 2.6                     | 1,275         | 2.7                     | 37,357        | 2.6                     | 40,098        | 1.7                     | 77,455        | 2.1                     |
| 25 to 29 .....                   | 3,062                            | 4.4                     | 40,466                          | 3.0                     | 1,132         | 2.4                     | 41,598        | 2.9                     | 41,525        | 1.8                     | 83,123        | 2.2                     |
| 30 to 34 .....                   | 3,012                            | 4.3                     | 48,251                          | 3.5                     | 1,442         | 3.0                     | 49,693        | 3.5                     | 46,384        | 2.0                     | 96,077        | 2.6                     |
| 35 to 39 .....                   | 2,921                            | 4.2                     | 55,780                          | 4.1                     | 1,497         | 3.1                     | 57,277        | 4.1                     | 50,717        | 2.2                     | 107,994       | 2.9                     |
| 40 to 44 .....                   | 2,693                            | 3.8                     | 58,610                          | 4.3                     | 1,527         | 3.2                     | 60,137        | 4.2                     | 52,749        | 2.3                     | 112,887       | 3.0                     |
| 45 to 49 .....                   | 2,493                            | 3.5                     | 61,864                          | 4.5                     | 1,686         | 3.5                     | 63,550        | 4.5                     | 61,432        | 2.7                     | 124,982       | 3.4                     |
| 50 to 54 .....                   | 4,379                            | 6.2                     | 122,550                         | 9.0                     | 3,187         | 6.6                     | 125,737       | 8.9                     | 111,573       | 4.8                     | 237,310       | 6.4                     |
| 55 to 59 .....                   | 5,025                            | 7.1                     | 172,463                         | 12.6                    | 4,577         | 9.6                     | 177,040       | 12.5                    | 157,032       | 6.8                     | 334,072       | 9.0                     |
| 60 to 74 .....                   | 5,450                            | 7.8                     | 229,242                         | 16.7                    | 5,901         | 12.3                    | 235,143       | 16.6                    | 231,611       | 10.0                    | 466,754       | 12.5                    |
| 75 to 99 .....                   | 6,238                            | 8.9                     | 318,924                         | 23.3                    | 12,269        | 25.6                    | 331,193       | 23.4                    | 497,505       | 21.5                    | 828,698       | 22.2                    |
| 100 to 199 .....                 | 1,278                            | 1.8                     | 62,143                          | 4.5                     | 4,472         | 9.3                     | 66,615        | 4.7                     | 239,294       | 10.3                    | 305,909       | 8.2                     |
| 200 to 299 .....                 | 511                              | 0.7                     | 21,937                          | 1.6                     | 1,779         | 3.7                     | 23,716        | 1.7                     | 152,230       | 6.6                     | 175,946       | 4.7                     |
| 300 to 399 .....                 | 287                              | 0.4                     | 9,386                           | 0.6                     | 622           | 1.3                     | 10,208        | 0.7                     | 116,997       | 5.1                     | 127,205       | 3.4                     |
| 400 to 499 .....                 | 416                              | 0.6                     | 15,888                          | 1.2                     | 1,502         | 3.1                     | 17,370        | 1.2                     | 259,843       | 11.2                    | 277,213       | 7.4                     |
| 500 and over .....               | 110                              | 0.2                     | 3,507                           | 0.3                     | 696           | 1.5                     | 4,203         | 0.3                     | 153,861       | 6.6                     | 158,064       | 4.2                     |
| Total .....                      | 70,290                           | 100.0                   | 1,369,025                       | 100.0                   | 47,950        | 100.0                   | 1,416,975     | 100.0                   | 2,316,283     | 100.0                   | 3,733,258     | 100.0                   |

17. — COWS IN MILK AND MILKING MACHINES ON HOLDINGS ON 31 JANUARY 1930  
(Excluding boroughs).

| SIZE OF HERD<br>OF COWS IN MILK | NUMBER OF HERDS<br>OF COWS IN MILK |                         | COWS IN MILK<br>ON HOLDINGS<br>USING MILKING MACHINES |                         | MILKING MACHINES |                         |                  |                         |
|---------------------------------|------------------------------------|-------------------------|---|-------------------------|------------------|-------------------------|------------------|-------------------------|
|                                 | Absolute data                      | Percentage of the total | Absolute data   | Percentage of the total | Number of plants |                         | Cow capacity (1) |                         |
|                                 |                                    |                         |   |                         | Absolute data    | Percentage of the total | Absolute data    | Percentage of the total |
|                                 | number                             | %                       | number  | %                       | number           | %                       | number           | %                       |
| 1 to 9 .....                    | 32,015                             | 48.0                    | 1,325   | 0.1                     | 282              | 1.4                     | 933              | 1.3                     |
| 10 to 19 .....                  | 9,027                              | 13.6                    | 13,467  | 1.4                     | 861              | 4.2                     | 2,256            | 3.1                     |
| 20 to 24 .....                  | 3,653                              | 5.6                     | 29,955  | 3.2                     | 1,361            | 6.7                     | 3,516            | 4.9                     |
| 25 to 29 .....                  | 3,210                              | 4.9                     | 50,757  | 5.2                     | 1,889            | 9.3                     | 5,217            | 7.2                     |
| 30 to 34 .....                  | 3,219                              | 4.9                     | 75,916  | 7.6                     | 2,341            | 11.5                    | 6,898            | 9.5                     |
| 35 to 39 .....                  | 2,355                              | 3.6                     | 71,460  | 7.4                     | 1,954            | 9.5                     | 6,172            | 8.6                     |
| 40 to 44 .....                  | 2,391                              | 3.7                     | 86,526  | 8.9                     | 2,096            | 10.3                    | 7,052            | 9.7                     |
| 45 to 49 .....                  | 1,665                              | 2.5                     | 70,898  | 7.4                     | 1,528            | 7.5                     | 5,427            | 7.5                     |
| 50 to 54 .....                  | 2,654                              | 4.1                     | 131,449   | 13.6                    | 2,487            | 12.1                    | 9,434            | 13.1                    |
| 55 to 74 .....                  | 2,552                              | 3.9                     | 157,342   | 16.3                    | 2,453            | 12.0                    | 10,114           | 14.0                    |
| 75 to 99 .....                  | 1,643                              | 2.5                     | 132,902   | 13.7                    | 1,658            | 8.1                     | 7,649            | 10.6                    |
| 100 to 149 .....                | 864                                | 1.3                     | 95,939  | 9.9                     | 1,015            | 5.0                     | 5,052            | 7.0                     |
| 150 to 199 .....                | 145                                | 0.2                     | 23,370  | 2.4                     | 249              | 1.2                     | 1,196            | 1.7                     |
| 200 to 299 .....                | 75                                 | 0.1                     | 16,337  | 1.7                     | 149              | 0.7                     | 728              | 1.0                     |
| 300 to 399 .....                | 16                                 | 0.0                     | 5,030   | 0.5                     | 38               | 0.2                     | 206              | 0.3                     |
| 400 to 499 .....                | 5                                  | 0.0                     | 2,151   | 0.2                     | 21               | 0.1                     | 112              | 0.2                     |
| 500 and over .....              | 7                                  | 0.0                     | 4,357   | 0.5                     | 33               | 0.2                     | 185              | 0.3                     |
| Total .....                     | 65,496                             | 100.0                   | 967,131   | 100.0                   | 20,415           | 100.0                   | 71,147           | 100.0                   |

(1) Capacity expressed by the number of cows capable of being milked simultaneously.

18. — DISTRIBUTION OF CATTLE ACCORDING TO BREED (1928) (Excluding boroughs).

| BREED  | NUMBER OF CATTLE |                                       |                             |
|--|------------------|---------------------------------------|-----------------------------|
|  | Absolute data    | Percentage of total for each category | Percentage of general total |
|  | number           | %                                     | %                           |
| <b>Friesian:</b>                                   |                  |                                       |                             |
| Jersey .....                                       | 39,379           | 55.2                                  | 1.2                         |
| Guernsey .....                                     | 35               | 0.0                                   | 0.0                         |
| Alderney .....                                     | 35               | 0.0                                   | 0.0                         |
| Friesian .....                                     | 10,670           | 15.0                                  | 0.3                         |
| Ayrshire .....                                     | 4,965            | 6.9                                   | 0.2                         |
| Red Poll .....                                     | 831              | 1.2                                   | 0.0                         |
| Shorthorn (including Milking Shorthorn) .....      | 6,829            | 9.6                                   | 0.2                         |
| Hereford .....                                     | 4,210            | 5.9                                   | 0.1                         |
| Polled Angus .....                                 | 4,299            | 6.0                                   | 0.2                         |
| Devon .....  | 116              | 0.2                                   | 0.0                         |
| Total Friesian .....                               | 71,279           | 100.0                                 | 2.2                         |
| <b>Crossbred:</b>                                  |                  |                                       |                             |
| With predominating strain of the following breeds: |                  |                                       |                             |
| Jersey and other Channel Islands .....             | 1,236,289        | 39.0                                  | 38.2                        |
| Friesian .....                                     | 231,022          | 7.3                                   | 7.1                         |
| Ayrshire .....                                     | 48,892           | 1.5                                   | 1.5                         |
| Milking Shorthorn .....                            | 440,585          | 13.9                                  | 13.6                        |
| Red Poll .....                                     | 6,909            | 0.2                                   | 0.2                         |
| Other dairy breeds (including unspecified) .....   | 1,286            | 0.0                                   | 0.0                         |
| Shorthorn .....                                    | 417,493          | 13.2                                  | 12.9                        |
| Hereford .....                                     | 426,241          | 13.5                                  | 13.2                        |
| Polled Angus .....                                 | 351,118          | 11.1                                  | 10.8                        |
| Devon .....  | 2,121            | 0.1                                   | 0.1                         |
| Other beef breeds (including unspecified) .....    | 6,164            | 0.2                                   | 0.2                         |
| Total Crossbred .....                              | 3,167,420        | 100.0                                 | 97.8                        |
| General total .....                                | 3,238,699        | —                                     | 100.0                       |



19. — DISTRIBUTION OF SHEEP ACCORDING TO SIZE OF FLOCK ON 30 APRIL 1930  
(Including boroughs).

| SIZE OF FLOCK    | NUMBER OF FLOCKS |                         | NUMBER OF SHEEP |                         |
|------------------|------------------|-------------------------|-----------------|-------------------------|
|                  | Absolute data    | Percentage of the total | Absolute data   | Percentage of the total |
|                  | number           | %                       | number          | %                       |
| 1 to 200         | 7,100            | 23.6                    | 667,335         | 2.2                     |
| 201 to 500       | 7,184            | 23.9                    | 2,435,173       | 7.9                     |
| 501 to 1,000     | 6,764            | 22.6                    | 4,679,290       | 15.8                    |
| 1,001 to 2,500   | 6,318            | 21.0                    | 9,680,159       | 31.4                    |
| 2,501 to 5,000   | 1,860            | 6.3                     | 6,334,184       | 20.5                    |
| 5,001 to 7,500   | 456              | 1.5                     | 2,796,325       | 9.1                     |
| 7,501 to 10,000  | 159              | 0.5                     | 1,351,128       | 4.4                     |
| 10,001 to 20,000 | 151              | 0.5                     | 1,942,187       | 6.3                     |
| 20,001 and over  | 30               | 0.1                     | 755,506         | 2.4                     |
| Total            | 30,822           | 100.0                   | 30,841,287      | 100.0                   |

20. — DISTRIBUTION OF SHEEP ACCORDING TO BREED ON 30 APRIL 1930  
(Including boroughs).

| BREED   | NUMBER OF SHEEP                  |                         |  |                         |               |                         |                             |
|---|----------------------------------|-------------------------|--|-------------------------|---------------|-------------------------|-----------------------------|
|   | Stud sheep entered in flock-book |                         | Sheep of a distinctive breed not entered in flock-book |                         | Total         |                         |                             |
|   | Absolute data                    | Percentage of the total | Absolute data  | Percentage of the total | Absolute data | Percentage of the total | Percentage of general total |
|   | number                           | %                       | number   | %                       | number        | %                       | %                           |
| Merino  | 28,343                           | 6.4                     | 1,160,271  | 15.0                    | 1,188,614     | 14.5                    | 3.8                         |
| Lincoln                                       | 8,945                            | 2.0                     | 28,708   | 1.0                     | 37,653        | 1.1                     | 0.3                         |
| Ramsay  | 266,629                          | 45.5                    | 3,629,289  | 46.9                    | 3,895,918     | 46.8                    | 12.4                        |
| Border Leicester                              | 26,015                           | 5.9                     | 60,701   | 0.8                     | 86,714        | 1.1                     | 0.3                         |
| English Leicester                             | 27,459                           | 6.2                     | 59,355   | 0.8                     | 86,815        | 1.1                     | 0.3                         |
| Shropshire                                    | 4,592                            | 1.0                     | 16,312   | 0.2                     | 20,904        | 0.2                     | 0.1                         |
| Southdown                                     | 81,324                           | 18.4                    | 159,461  | 1.8                     | 240,785       | 2.7                     | 0.7                         |
| Corriedale                                    | 55,398                           | 12.6                    | 1,194,915  | 15.4                    | 1,250,313     | 15.5                    | 4.1                         |
| Ryeland                                       | 3,884                            | 0.9                     | 5,535  | 0.1                     | 9,419         | 0.1                     | 0.0                         |
| Hall-bred                                     | 4,887                            | 1.1                     | 1,338,622  | 17.3                    | 1,400,165     | 17.1                    | 4.3                         |
| Other breeds                                  | —                                | —                       | 56,856   | 0.7                     | —             | —                       | —                           |
| Total   | 441,474                          | 100.0                   | 7,739,826  | 100.0                   | 8,181,300     | 100.0                   | 26.5                        |
| Countreds and others not otherwise enumerated | —                                | —                       | —  | —                       | 22,659,987    | —                       | 73.5                        |
| General total                                 | —                                | —                       | —  | —                       | 30,841,287    | —                       | 100.0                       |

## 21. — DISTRIBUTION OF PIGS ACCORDING TO BREED (1928) (Excluding boroughs).

| BREED          | NUMBER OF PIGS        |                         |                           |                         |                          |                         |               |                         |
|----------------|-----------------------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|---------------|-------------------------|
|                | Pigs under 1 year old |                         | Bears 1 year old and over |                         | Sows 1 year old and over |                         | Total         |                         |
|                | Absolute data         | Percentage of the total | Absolute data             | Percentage of the total | Absolute data            | Percentage of the total | Absolute data | Percentage of the total |
|                | number                | %                       | number                    | %                       | number                   | %                       | number        | %                       |
| Pure Berkshire | 56,441                | 11.7                    | 5,772                     | 37.6                    | 16,545                   | 20.1                    | 78,758        | 13.6                    |
| Pure Yorkshire | 5,599                 | 1.2                     | 642                       | 4.2                     | 2,314                    | 2.8                     | 8,555         | 1.5                     |
| Other purebred | 9,520                 | 2.0                     | 1,491                     | 9.7                     | 4,545                    | 5.5                     | 15,556        | 2.7                     |
| Crossbred      | 410,375               | 85.1                    | 7,462                     | 48.5                    | 59,000                   | 71.6                    | 476,835       | 82.4                    |
| Total          | 481,935               | 100.0                   | 15,367                    | 100.0                   | 82,404                   | 100.0                   | 579,704       | 100.0                   |

## 22. — DISTRIBUTION OF APIARIES AND BEEHIVES ACCORDING TO SIZE OF APIARY ON 16 FEBRUARY 1929 (Including boroughs).

| SIZE OF APIARY     | NUMBER OF APIARIES |                         | NUMBER OF BEEHIVES |                         |
|--------------------|--------------------|-------------------------|--------------------|-------------------------|
|                    | Absolute data      | Percentage of the total | Absolute data      | Percentage of the total |
|                    | number             | %                       | number             | %                       |
| 1 to 4 hives       | 2,906              | 48.6                    | 6,211              | 6.8                     |
| 5 to 9 hives       | 994                | 16.6                    | 6,523              | 7.1                     |
| 10 to 24 hives     | 965                | 15.1                    | 13,738             | 14.9                    |
| 25 to 49 hives     | 635                | 10.6                    | 21,888             | 23.8                    |
| 50 to 99 hives     | 436                | 7.1                     | 26,809             | 29.2                    |
| 100 hives and over | 119                | 2.0                     | 16,732             | 18.2                    |
| Total              | 5,985              | 100.0                   | 91,901             | 100.0                   |

## 23. — DISTRIBUTION OF BEEHIVES ACCORDING TO BREED ON 16 FEBRUARY 1929 (Including boroughs).

| BREED     | NUMBER OF BEEHIVES |                         |
|-----------|--------------------|-------------------------|
|           | Absolute data      | Percentage of the total |
|           | number             | %                       |
| Italian   | 35,534             | 38.7                    |
| Black     | 18,459             | 20.1                    |
| Crossbred | 37,868             | 41.2                    |
| Total     | 91,901             | 100.0                   |

24. — STOCK SLAUGHTERED FOR FOOD ON HOLDINGS  
(Twelve months ending 31 January 1930) (Excluding boroughs).

| CLASS OF STOCK | NUMBER OF STOCK SLAUGHTERED (1) |                     |
|----------------|---------------------------------|---------------------|
|                | Absolute data                   | Average per holding |
|                | number                          | number              |
| CATTLE:        |                                 |                     |
| Calves         | 3,341                           | 0.04                |
| Bullocks       | 1,590                           | 0.02                |
| Cows           | 2,864                           | 0.03                |
| Total          | 7,795                           | 0.09                |
| SHEEP:         |                                 |                     |
| Lambs          | 57,132                          | 0.67                |
| Ewes           | 236,464                         | 2.42                |
| Wethers        | 365,449                         | 4.29                |
| Total          | 629,075                         | 7.38                |
| PIGS           | 45,669                          | 0.51                |

(1) Exclusive of stock slaughtered on licensed premises.

## 25. — LIVESTOCK PRODUCTS (1929-30) (Including boroughs).

| PRODUCTS  | QUANTITY PRODUCED |
|---|-------------------|
|   | 1,000 lb.         |
| <b>DAIRY PRODUCTS:</b>  |                   |
| Butter produced by butter-factories . . . . .                 | 252,467           |
| Butter produced on holdings of not less than 1 acre . . . . . | 5,842             |
| <i>Total butter</i> . . . . .                                 | 258,309           |
| Whey-buttermilk . . . . .                                     | 3,640             |
| Cheese . . . . .  | 199,575           |
| Casain . . . . .  | 8,666             |
| <b>Wool (1):</b>  |                   |
| Greasy wool obtained from sheep . . . . .                     | 206,943           |
| Greasy wool obtained from lambs . . . . .                     | 6,970             |
| <i>Total wool</i> . . . . .                                   | 213,913           |

(1) Not including clipped wool from wool-scouring or meat-breeding works.

## 26. — FARM POPULATION (1929-30) (Excluding boroughs).

| CLASSIFICATION   | Sex     |         | Total         |                     |                            |                  |
|--|---------|---------|---------------|---------------------|----------------------------|------------------|
|  | Male    | Female  | Absolute data | Average per holding | Percentage                 |                  |
|  |         |         |               |                     | of total for each category | of general total |
|  | number  | number  | number        | number              | %                          | %                |
| <b>PERSONS ORDINARILY ENGAGED IN FARM WORK (1):</b>            |         |         |               |                     |                            |                  |
| <i>Occupiers and members of occupiers' families:</i>           |         |         |               |                     |                            |                  |
| under 15 years old . . . . .                                   | 1,459   | 446     | 1,905         | 0.02                | 1.6                        | 0.5              |
| 15 years old and over . . . . .                                | 85,435  | 16,670  | 102,105       | 1.21                | 98.4                       | 29.9             |
| <i>Total</i> . . . . .   | 87,894  | 17,116  | 105,010       | 1.23                | 100.0                      | 30.4             |
| <i>Other persons:</i>  |         |         |               |                     |                            |                  |
| under 15 years old . . . . .                                   | 272     | 35      | 307           | 0.00                | 0.0                        | 0.0              |
| 15 years old and over . . . . .                                | 31,155  | 1,440   | 32,604        | 0.38                | 100.0                      | 9.4              |
| <i>Total</i> . . . . .   | 31,427  | 1,475   | 32,902        | 0.38                | 100.0                      | 9.4              |
| <b>Total persons ordinarily engaged in farm work</b> . . . . . | 119,321 | 18,591  | 137,912       | 1.61                | —                          | 39.8             |
| <b>OTHER FARM POPULATION</b> . . . . .                         | 70,105  | 137,544 | 207,649       | 2.44                | —                          | 60.2             |
| <b>Total farm population</b> . . . . .                         | 189,426 | 156,135 | 345,561       | 4.05                | —                          | 100.0            |

(1) Including working proprietors or managers and excluding temporary workers.

B — DETAILS ACCORDING TO SIZE  
OF HOLDING

(EXCLUDING BOROUGHS)

27. — NUMBER AND AREA OF

| CLASSIFICATION                         | Size of holding    |                      |                       |                       |                       |
|--|--------------------|----------------------|-----------------------|-----------------------|-----------------------|
|  | 1 acre and under 5 | 5 acres and under 10 | 10 acres and under 15 | 15 acres and under 20 | 20 acres and under 30 |
|  | number             | number               | number                | number                | number                |
| Freehold . . . . .                     | 5,757              | 3,916                | 2,615                 | 1,426                 | 2,446                 |
| Crown lease . . . . .                  | 564                | 446                  | 354                   | 177                   | 350                   |
| Private lease . . . . .                | 896                | 713                  | 464                   | 246                   | 341                   |
| Public bodies lease . . . . .          | 103                | 119                  | 86                    | 25                    | 53                    |
| Maori lease . . . . .                  | 34                 | 37                   | 34                    | 23                    | 46                    |
| Mixed leaseholds . . . . .             | 8                  | 25                   | 19                    | 18                    | 33                    |
| Mixed freehold and leasehold . . . . . | 164                | 275                  | 225                   | 170                   | 266                   |
| <b>Total . . . . .</b>                 | <b>7,496</b>       | <b>5,533</b>         | <b>3,795</b>          | <b>2,083</b>          | <b>3,540</b>          |
|  | acres              | acres                | acres                 | acres                 | acres                 |
| Freehold . . . . .                     | 14,862             | 25,784               | 30,032                | 23,962                | 54,924                |
| Crown lease . . . . .                  | 1,416              | 2,826                | 3,956                 | 2,983                 | 8,257                 |
| Private lease . . . . .                | 2,327              | 4,674                | 5,392                 | 4,124                 | 8,040                 |
| Public bodies lease . . . . .          | 283                | 769                  | 994                   | 380                   | 1,220                 |
| Maori lease . . . . .                  | 96                 | 240                  | 408                   | 384                   | 1,076                 |
| Mixed leaseholds . . . . .             | 27                 | 178                  | 218                   | 285                   | 774                   |
| Mixed freehold and leasehold . . . . . | 467                | 1,593                | 2,718                 | 2,675                 | 6,528                 |
| <b>Total . . . . .</b>                 | <b>19,466</b>      | <b>36,564</b>        | <b>43,718</b>         | <b>34,993</b>         | <b>80,619</b>         |

| CLASSIFICATION                         | Size of holding         |                         |                           |                             |                             |
|--|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
|  | 500 acres and under 640 | 640 acres and under 750 | 750 acres and under 1,000 | 1,000 acres and under 2,000 | 2,000 acres and under 3,000 |
|  | number                  | number                  | number                    | number                      | number                      |
| Freehold . . . . .                     | 1,742                   | 811                     | 1,289                     | 1,895                       | 528                         |
| Crown lease . . . . .                  | 766                     | 371                     | 497                       | 742                         | 174                         |
| Private lease . . . . .                | 119                     | 69                      | 69                        | 102                         | 14                          |
| Public bodies lease . . . . .          | 15                      | 11                      | 17                        | 37                          | 6                           |
| Maori lease . . . . .                  | 54                      | 21                      | 45                        | 91                          | 38                          |
| Mixed freehold and leasehold . . . . . | 39                      | 26                      | 36                        | 58                          | 31                          |
| Mixed leaseholds . . . . .             | 627                     | 363                     | 632                       | 1,152                       | 399                         |
| <b>Total . . . . .</b>                 | <b>3,362</b>            | <b>1,674</b>            | <b>2,583</b>              | <b>4,017</b>                | <b>1,150</b>                |
|  | acres                   | acres                   | acres                     | acres                       | acres                       |
| Freehold . . . . .                     | 860,964                 | 599,158                 | 1,119,361                 | 2,566,479                   | 1,274,391                   |
| Crown lease . . . . .                  | 431,688                 | 255,072                 | 428,540                   | 1,069,147                   | 426,237                     |
| Private lease . . . . .                | 65,908                  | 47,719                  | 58,152                    | 137,622                     | 34,591                      |
| Public bodies lease . . . . .          | 8,405                   | 7,532                   | 14,890                    | 48,700                      | 13,624                      |
| Maori lease . . . . .                  | 30,316                  | 14,574                  | 37,521                    | 124,540                     | 91,499                      |
| Mixed leaseholds . . . . .             | 21,554                  | 18,171                  | 31,571                    | 61,348                      | 73,791                      |
| Mixed freehold and leasehold . . . . . | 355,252                 | 253,486                 | 548,468                   | 1,682,565                   | 864,296                     |
| <b>Total . . . . .</b>                 | <b>1,894,087</b>        | <b>1,155,712</b>        | <b>2,238,503</b>          | <b>5,510,419</b>            | <b>2,778,339</b>            |

HOLDINGS ACCORDING TO TENURE.

| CLASSIFICATION                         | Size of holding       |                       |                       |                        |                         |                         |                         |                         |                         |                         |
|--|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|  | 30 acres and under 40 | 40 acres and under 50 | 50 acres and under 75 | 75 acres and under 100 | 100 acres and under 150 | 150 acres and under 200 | 200 acres and under 250 | 250 acres and under 320 | 320 acres and under 400 | 400 acres and under 500 |
|  | number                | number                | number                | number                 | number                  | number                  | number                  | number                  | number                  | number                  |
| Freehold . . . . .                     | 1,589                 | 1,717                 | 4,327                 | 3,360                  | 6,175                   | 3,799                   | 3,037                   | 2,616                   | 2,010                   | 1,864                   |
| Crown lease . . . . .                  | 252                   | 277                   | 719                   | 641                    | 1,135                   | 864                     | 782                     | 857                     | 709                     | 725                     |
| Private lease . . . . .                | 268                   | 276                   | 576                   | 471                    | 871                     | 518                     | 469                     | 300                     | 189                     | 151                     |
| Public bodies lease . . . . .          | 23                    | 59                    | 47                    | 61                     | 59                      | 51                      | 40                      | 43                      | 31                      | 23                      |
| Maori lease . . . . .                  | 55                    | 55                    | 125                   | 112                    | 185                     | 92                      | 66                      | 76                      | 63                      | 48                      |
| Mixed leaseholds . . . . .             | 23                    | 26                    | 33                    | 37                     | 69                      | 52                      | 39                      | 52                      | 39                      | 36                      |
| Mixed freehold and leasehold . . . . . | 229                   | 190                   | 439                   | 402                    | 724                     | 610                     | 531                     | 561                     | 520                     | 566                     |
| <b>Total . . . . .</b>                 | <b>2,437</b>          | <b>2,589</b>          | <b>6,266</b>          | <b>5,084</b>           | <b>9,216</b>            | <b>5,956</b>            | <b>4,904</b>            | <b>4,505</b>            | <b>3,561</b>            | <b>3,413</b>            |
|  | acres                 | acres                 | acres                 | acres                  | acres                   | acres                   | acres                   | acres                   | acres                   | acres                   |
| Freehold . . . . .                     | 55,607                | 75,116                | 238,205               | 290,515                | 733,378                 | 644,692                 | 667,459                 | 739,321                 | 716,913                 | 822,616                 |
| Crown lease . . . . .                  | 8,539                 | 12,225                | 45,529                | 55,728                 | 155,028                 | 150,166                 | 170,584                 | 243,679                 | 253,428                 | 321,983                 |
| Private lease . . . . .                | 8,996                 | 12,090                | 34,366                | 40,694                 | 102,802                 | 87,620                  | 88,690                  | 84,267                  | 67,422                  | 67,349                  |
| Public bodies lease . . . . .          | 764                   | 1,694                 | 2,855                 | 5,302                  | 6,960                   | 8,717                   | 8,360                   | 12,137                  | 10,956                  | 10,068                  |
| Maori lease . . . . .                  | 1,794                 | 2,447                 | 7,513                 | 9,613                  | 21,938                  | 15,905                  | 14,384                  | 21,475                  | 22,659                  | 20,774                  |
| Mixed leaseholds . . . . .             | 774                   | 1,131                 | 2,016                 | 3,241                  | 8,425                   | 8,824                   | 8,606                   | 14,949                  | 13,654                  | 15,986                  |
| Mixed freehold and leasehold . . . . . | 7,856                 | 8,415                 | 26,751                | 34,501                 | 88,651                  | 105,407                 | 117,436                 | 158,276                 | 186,205                 | 251,826                 |
| <b>Total . . . . .</b>                 | <b>82,315</b>         | <b>113,118</b>        | <b>375,235</b>        | <b>439,594</b>         | <b>1,097,362</b>        | <b>1,021,591</b>        | <b>1,076,159</b>        | <b>1,274,694</b>        | <b>1,271,477</b>        | <b>1,510,602</b>        |

| CLASSIFICATION                         | Size of holding             |                             |                             |                              |                               |                               |                               |                               |                       | Total of all holdings |
|--|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|-----------------------|
|  | 3,000 acres and under 4,000 | 4,000 acres and under 5,000 | 5,000 acres and under 7,500 | 7,500 acres and under 10,000 | 10,000 acres and under 15,000 | 15,000 acres and under 20,000 | 20,000 acres and under 30,000 | 30,000 acres and under 50,000 | 50,000 acres and over |                       |
|  | number                      | number                      | number                      | number                       | number                        | number                        | number                        | number                        | number                | number                |
| Freehold . . . . .                     | 258                         | 127                         | 144                         | 59                           | 45                            | 12                            | 8                             | 5                             | 4                     | 53,487                |
| Crown lease . . . . .                  | 111                         | 30                          | 81                          | 46                           | 62                            | 47                            | 40                            | 30                            | 12                    | 11,901                |
| Private lease . . . . .                | 7                           | 3                           | 2                           | 2                            | 1                             | —                             | —                             | 1                             | —                     | 7,050                 |
| Public bodies lease . . . . .          | 8                           | 3                           | 1                           | 3                            | 3                             | —                             | 1                             | —                             | —                     | 966                   |
| Maori lease . . . . .                  | 17                          | 7                           | 12                          | 4                            | 3                             | 3                             | —                             | —                             | —                     | 1,542                 |
| Mixed freehold and leasehold . . . . . | 7                           | 6                           | 9                           | 3                            | 2                             | 1                             | 1                             | 1                             | —                     | 729                   |
| Mixed leaseholds . . . . .             | 203                         | 111                         | 136                         | 50                           | 81                            | 48                            | 35                            | 37                            | 36                    | 9,752                 |
| <b>Total . . . . .</b>                 | <b>611</b>                  | <b>327</b>                  | <b>385</b>                  | <b>167</b>                   | <b>195</b>                    | <b>111</b>                    | <b>88</b>                     | <b>74</b>                     | <b>54</b>             | <b>88,147</b>         |
|  | acres                       | acres                       | acres                       | acres                        | acres                         | acres                         | acres                         | acres                         | acres                 | acres                 |
| Freehold . . . . .                     | 888,009                     | 564,583                     | 855,503                     | 502,285                      | 495,897                       | 201,916                       | 188,616                       | 190,495                       | 352,357               | 15,811,600            |
| Crown lease . . . . .                  | 381,690                     | 317,494                     | 491,079                     | 390,673                      | 754,226                       | 800,556                       | 992,736                       | 1,113,210                     | 938,030               | 10,147,898            |
| Private lease . . . . .                | 23,482                      | 13,219                      | 13,660                      | 16,050                       | 13,390                        | —                             | —                             | 32,600                        | —                     | 1,075,480             |
| Public bodies lease . . . . .          | 26,280                      | 13,129                      | 6,223                       | 26,286                       | 36,588                        | —                             | 25,700                        | —                             | —                     | 299,426               |
| Maori lease . . . . .                  | 57,590                      | 30,258                      | 67,572                      | 32,817                       | 40,838                        | 54,031                        | —                             | —                             | —                     | 722,216               |
| Mixed leaseholds . . . . .             | 24,441                      | 28,321                      | 53,373                      | 27,034                       | 21,700                        | 17,200                        | 21,432                        | 36,320                        | —                     | 537,542               |
| Mixed freehold and leasehold . . . . . | 698,166                     | 490,895                     | 826,533                     | 430,976                      | 979,651                       | 829,094                       | 910,339                       | 1,432,122                     | 3,533,315             | 14,754,571            |
| <b>Total . . . . .</b>                 | <b>2,067,638</b>            | <b>1,657,940</b>            | <b>2,313,883</b>            | <b>1,426,121</b>             | <b>2,348,498</b>              | <b>1,903,397</b>              | <b>2,139,023</b>              | <b>2,865,747</b>              | <b>4,623,710</b>      | <b>63,348,653</b>     |

## 28. — NUMBER AND AREA OF HOLDINGS

| CLASSIFICATION            | Size of Holding    |                      |                       |                       |                       |
|---------------------------|--------------------|----------------------|-----------------------|-----------------------|-----------------------|
|                           | 1 acre and under 5 | 5 acres and under 10 | 10 acres and under 15 | 15 acres and under 20 | 20 acres and under 30 |
| Owner or lessee . . . . . | 7,460              | 5,516                | 3,766                 | 2,066                 | 3,512                 |
| Manager . . . . .         | 36                 | 17                   | 29                    | 17                    | 27                    |
| Shareworker . . . . .     | —                  | —                    | —                     | —                     | 1                     |
| Total . . . . .           | 7,496              | 5,533                | 3,795                 | 2,083                 | 3,540                 |
|                           | acres              | acres                | acres                 | acres                 | acres                 |
| Owner or lessee . . . . . | 19,380             | 36,446               | 43,386                | 34,706                | 80,183                |
| Manager . . . . .         | 108                | 118                  | 332                   | 287                   | 616                   |
| Shareworker . . . . .     | —                  | —                    | —                     | —                     | 20                    |
| Total . . . . .           | 19,488             | 36,564               | 43,718                | 34,993                | 80,819                |

| CLASSIFICATION            | Size of Holding         |                         |                           |                             |                             |
|---------------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
|                           | 500 acres and under 640 | 640 acres and under 750 | 750 acres and under 1,000 | 1,000 acres and under 2,000 | 2,000 acres and under 5,000 |
| Owner or lessee . . . . . | 3,292                   | 1,631                   | 2,599                     | 3,819                       | 1,051                       |
| Manager . . . . .         | 60                      | 41                      | 70                        | 192                         | 99                          |
| Shareworker . . . . .     | 10                      | 2                       | 4                         | 6                           | —                           |
| Total . . . . .           | 3,362                   | 1,674                   | 2,583                     | 4,017                       | 1,150                       |
|                           | acres                   | acres                   | acres                     | acres                       | acres                       |
| Owner or lessee . . . . . | 1,854,759               | 1,125,690               | 2,174,350                 | 5,228,826                   | 2,529,179                   |
| Manager . . . . .         | 33,968                  | 28,598                  | 60,689                    | 274,490                     | 249,160                     |
| Shareworker . . . . .     | 5,360                   | 1,424                   | 3,464                     | 2,103                       | —                           |
| Total . . . . .           | 1,894,087               | 1,155,712               | 2,238,503                 | 5,510,419                   | 2,778,339                   |

## ACCORDING TO NATURE OF OCCUPANCY.

| Size of Holding       |                       |                       |                        |                         |                         |                         |                         |                         |                         |
|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 30 acres and under 40 | 40 acres and under 50 | 50 acres and under 75 | 75 acres and under 100 | 100 acres and under 150 | 150 acres and under 200 | 200 acres and under 250 | 250 acres and under 320 | 320 acres and under 400 | 400 acres and under 500 |
| number                | number                | number                | number                 | number                  | number                  | number                  | number                  | number                  | number                  |
| 2,416                 | 2,558                 | 6,171                 | 4,985                  | 8,959                   | 5,751                   | 4,725                   | 4,385                   | 5,490                   | 3,352                   |
| 18                    | 10                    | 44                    | 29                     | 60                      | 39                      | 60                      | 44                      | 30                      | 32                      |
| 3                     | 12                    | 51                    | 72                     | 197                     | 166                     | 119                     | 76                      | 33                      | 29                      |
| 2,437                 | 2,580                 | 6,266                 | 5,084                  | 9,216                   | 5,956                   | 4,904                   | 4,505                   | 5,561                   | 3,413                   |
| acres                 | acres                 | acres                 | acres                  | acres                   | acres                   | acres                   | acres                   | acres                   | acres                   |
| 81,694                | 112,159               | 369,447               | 430,967                | 1,066,986               | 987,035                 | 1,037,058               | 1,240,839               | 1,246,120               | 1,483,736               |
| 595                   | 429                   | 2,676                 | 2,530                  | 7,158                   | 6,530                   | 13,383                  | 12,611                  | 15,614                  | 14,054                  |
| 116                   | 530                   | 3,112                 | 6,197                  | 23,240                  | 28,018                  | 25,718                  | 21,154                  | 11,743                  | 12,812                  |
| 82,315                | 113,118               | 375,235               | 439,594                | 1,097,382               | 1,021,581               | 1,076,159               | 1,276,604               | 1,271,477               | 1,510,602               |

| Size of Holding             |                             |                             |                              |                               |                               |                               |                               |                       | Total of all Holdings |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|-----------------------|
| 3,000 acres and under 4,000 | 4,000 acres and under 5,000 | 5,000 acres and under 7,500 | 7,500 acres and under 10,000 | 10,000 acres and under 15,000 | 15,000 acres and under 20,000 | 20,000 acres and under 30,000 | 30,000 acres and under 50,000 | 50,000 acres and over |                       |
| number                      | number                      | number                      | number                       | number                        | number                        | number                        | number                        | number                | number                |
| 522                         | 289                         | 335                         | 144                          | 171                           | 103                           | 78                            | 68                            | 42                    | 83,164                |
| 89                          | 38                          | 50                          | 25                           | 24                            | 8                             | 10                            | 6                             | 12                    | 1,222                 |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 781                   |
| 611                         | 327                         | 385                         | 167                          | 195                           | 111                           | 88                            | 74                            | 54                    | 85,167                |
| acres                       | acres                       | acres                       | acres                        | acres                         | acres                         | acres                         | acres                         | acres                 | acres                 |
| 1,292,291                   | 1,288,718                   | 2,012,730                   | 1,226,568                    | 2,060,486                     | 1,755,859                     | 1,895,165                     | 2,576,912                     | 3,625,750             | 39,417,213            |
| 305,347                     | 169,231                     | 301,153                     | 199,553                      | 288,012                       | 147,538                       | 243,858                       | 226,835                       | 1,197,960             | 3,801,429             |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 150,011               |
| 2,097,638                   | 1,457,949                   | 2,313,883                   | 1,426,121                    | 2,348,498                     | 1,903,397                     | 2,139,023                     | 2,803,747                     | 4,823,710             | 43,368,653            |

29. — NUMBER OF HOLDINGS

| TYPE OF HOLDING                         | SIZE OF HOLDING    |                      |                       |                       |                       |
|---|--------------------|----------------------|-----------------------|-----------------------|-----------------------|
|   | 1 acre and under 5 | 5 acres and under 10 | 10 acres and under 15 | 15 acres and under 20 | 20 acres and under 30 |
|   | number             | number               | number                | number                | number                |
| Dairy farming . . . . .                 | 3,172              | 2,721                | 1,697                 | 894                   | 1,593                 |
| Sheep and cattle grazing . . . . .      | 18                 | 39                   | 56                    | 38                    | 92                    |
| Mixed agriculture and grazing . . . . . | 9                  | 30                   | 35                    | 16                    | 58                    |
| Mixed dairying and grazing . . . . .    | 8                  | 24                   | 29                    | 44                    | 78                    |
| General mixed farming . . . . .         | 3                  | 29                   | 69                    | 50                    | 175                   |
| Orchards . . . . .                      | 141                | 244                  | 292                   | 179                   | 282                   |
| Market gardens . . . . .                | 346                | 225                  | 154                   | 87                    | 62                    |
| Poultry farming . . . . .               | 115                | 87                   | 42                    | 19                    | 18                    |
| Nurseries . . . . .                     | 16                 | 14                   | 8                     | 7                     | 3                     |
| Timber growing . . . . .                | 3                  | 3                    | 6                     | 7                     | 13                    |
| Flax growing . . . . .                  | —                  | 3                    | 1                     | —                     | —                     |
| Idle and unused . . . . .               | 1,427              | 742                  | 467                   | 237                   | 358                   |
| Other and unspecified . . . . .         | 2,238              | 1,372                | 938                   | 565                   | 868                   |
| <b>Total . . . . .</b>                  | <b>7,496</b>       | <b>5,533</b>         | <b>3,795</b>          | <b>2,083</b>          | <b>3,540</b>          |

| TYPE OF HOLDING                         | SIZE OF HOLDING         |                         |                           |                             |                             |
|---|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
|   | 500 acres and under 640 | 640 acres and under 750 | 750 acres and under 1,000 | 1,000 acres and under 2,000 | 2,000 acres and under 3,000 |
|   | number                  | number                  | number                    | number                      | number                      |
| Dairy farming . . . . .                 | 282                     | 95                      | 80                        | 84                          | 3                           |
| Sheep and cattle grazing . . . . .      | 1,673                   | 928                     | 1,612                     | 2,889                       | 906                         |
| Mixed agriculture and grazing . . . . . | 461                     | 196                     | 254                       | 268                         | 34                          |
| Mixed dairying and grazing . . . . .    | 531                     | 265                     | 345                       | 377                         | 70                          |
| General mixed farming . . . . .         | 32                      | 16                      | 20                        | 5                           | 1                           |
| Orchards . . . . .                      | 1                       | —                       | —                         | —                           | —                           |
| Market gardens . . . . .                | —                       | —                       | —                         | —                           | —                           |
| Poultry farming . . . . .               | —                       | —                       | —                         | —                           | —                           |
| Nurseries . . . . .                     | —                       | —                       | —                         | —                           | —                           |
| Timber growing . . . . .                | 6                       | —                       | 2                         | 5                           | 4                           |
| Flax growing . . . . .                  | 8                       | 2                       | 1                         | 9                           | 3                           |
| Idle and unused . . . . .               | 142                     | 73                      | 101                       | 164                         | 83                          |
| Other and unspecified . . . . .         | 226                     | 101                     | 168                       | 206                         | 48                          |
| <b>Total . . . . .</b>                  | <b>3,362</b>            | <b>1,674</b>            | <b>2,983</b>              | <b>4,017</b>                | <b>1,150</b>                |

ACCORDING TO PURPOSE.

| SIZE OF HOLDING       |                       |                       |                        |                         |                         |                         |                         |                         |                         |
|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 30 acres and under 40 | 40 acres and under 50 | 50 acres and under 75 | 75 acres and under 100 | 100 acres and under 150 | 150 acres and under 200 | 200 acres and under 250 | 250 acres and under 320 | 320 acres and under 400 | 400 acres and under 500 |
| number                | number                | number                | number                 | number                  | number                  | number                  | number                  | number                  | number                  |
| 1,263                 | 1,438                 | 3,968                 | 3,279                  | 5,565                   | 2,947                   | 1,877                   | 1,211                   | 690                     | 440                     |
| 129                   | 109                   | 328                   | 338                    | 805                     | 802                     | 927                     | 1,150                   | 1,189                   | 1,461                   |
| 27                    | 46                    | 112                   | 120                    | 361                     | 485                     | 517                     | 594                     | 536                     | 497                     |
| 79                    | 100                   | 239                   | 334                    | 740                     | 712                     | 774                     | 798                     | 621                     | 586                     |
| 128                   | 174                   | 430                   | 390                    | 624                     | 359                     | 225                     | 171                     | 100                     | 61                      |
| 118                   | 69                    | 77                    | 26                     | 20                      | 9                       | 11                      | 3                       | 1                       | 1                       |
| 39                    | 18                    | 20                    | 3                      | 3                       | —                       | —                       | —                       | —                       | —                       |
| 7                     | 2                     | 5                     | —                      | 2                       | —                       | —                       | —                       | —                       | —                       |
| 1                     | 2                     | 1                     | —                      | 1                       | —                       | —                       | 1                       | 1                       | —                       |
| 10                    | 3                     | 7                     | 2                      | 2                       | 4                       | 5                       | 5                       | 4                       | 2                       |
| —                     | 1                     | 2                     | —                      | 2                       | 4                       | 4                       | 1                       | 2                       | 2                       |
| 207                   | 231                   | 406                   | 276                    | 415                     | 241                     | 213                     | 200                     | 138                     | 147                     |
| 438                   | 379                   | 671                   | 436                    | 676                     | 393                     | 353                     | 371                     | 279                     | 216                     |
| <b>2,437</b>          | <b>2,580</b>          | <b>6,266</b>          | <b>5,084</b>           | <b>9,216</b>            | <b>5,956</b>            | <b>4,904</b>            | <b>4,585</b>            | <b>3,561</b>            | <b>3,413</b>            |

| SIZE OF HOLDING             |                             |                             |                              |                               |                               |                               |                               |                       | TOTAL OF ALL HOLDINGS |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|-----------------------|
| 3,000 acres and under 4,000 | 4,000 acres and under 5,000 | 5,000 acres and under 7,500 | 7,500 acres and under 10,000 | 10,000 acres and under 15,000 | 15,000 acres and under 20,000 | 20,000 acres and under 30,000 | 30,000 acres and under 50,000 | 50,000 acres and over |                       |
| number                      | number                      | number                      | number                       | number                        | number                        | number                        | number                        | number                | number                |
| 2                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 33,301                |
| 534                         | 291                         | 345                         | 153                          | 164                           | 97                            | 74                            | 60                            | 47                    | 17,255                |
| 13                          | 5                           | 5                           | —                            | 1                             | —                             | —                             | —                             | —                     | 4,681                 |
| 24                          | 10                          | 5                           | 1                            | 3                             | —                             | —                             | —                             | —                     | 6,893                 |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 2,970                 |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 1,474                 |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 917                   |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 397                   |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                     | 55                    |
| 3                           | 1                           | 1                           | 1                            | 3                             | 1                             | 1                             | 1                             | 1                     | 106                   |
| 2                           | 1                           | 1                           | —                            | —                             | —                             | —                             | —                             | —                     | 49                    |
| 17                          | 7                           | 11                          | 3                            | 8                             | 2                             | 1                             | 3                             | 4                     | 6,330                 |
| 16                          | 12                          | 17                          | 7                            | 16                            | 11                            | 12                            | 6                             | 2                     | 10,889                |
| <b>611</b>                  | <b>327</b>                  | <b>385</b>                  | <b>167</b>                   | <b>195</b>                    | <b>111</b>                    | <b>88</b>                     | <b>74</b>                     | <b>54</b>             | <b>85,167</b>         |

## 30. — AREA OF HOLDINGS

| TYPE OF HOLDING                         | SIZE OF HOLDING          |                            |                             |                             |                             |
|---|--------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
|   | 1 acre<br>and under<br>5 | 5 acres<br>and under<br>10 | 10 acres<br>and under<br>15 | 15 acres<br>and under<br>20 | 20 acres<br>and under<br>30 |
|   | acres                    | acres                      | acres                       | acres                       | acres                       |
| Dairy farming . . . . .                 | 8,912                    | 17,977                     | 19,455                      | 15,073                      | 35,062                      |
| Sheep and cattle grazing . . . . .      | 49                       | 261                        | 670                         | 629                         | 2,272                       |
| Mixed agriculture and grazing . . . . . | 29                       | 200                        | 410                         | 276                         | 1,368                       |
| Mixed dairying and grazing . . . . .    | 29                       | 166                        | 341                         | 754                         | 1,859                       |
| General mixed farming . . . . .         | 10                       | 210                        | 812                         | 640                         | 4,139                       |
| Orchards . . . . .                      | 441                      | 1,714                      | 3,435                       | 3,025                       | 6,629                       |
| Market gardens . . . . .                | 926                      | 1,514                      | 1,774                       | 1,456                       | 1,409                       |
| Poultry farming . . . . .               | 315                      | 564                        | 460                         | 320                         | 305                         |
| Nurseries . . . . .                     | 48                       | 90                         | 93                          | 130                         | 72                          |
| Timber growing . . . . .                | 12                       | 19                         | 77                          | 112                         | 309                         |
| Flax growing . . . . .                  | —                        | 21                         | 13                          | —                           | —                           |
| Idle and unused . . . . .               | 3,330                    | 4,818                      | 5,315                       | 3,956                       | 8,342                       |
| Other and unspecified . . . . .         | 5,365                    | 9,010                      | 10,863                      | 8,442                       | 18,963                      |
| <b>Total . . . . .</b>                  | <b>19,666</b>            | <b>36,564</b>              | <b>43,718</b>               | <b>34,993</b>               | <b>80,819</b>               |

| TYPE OF HOLDING                         | SIZE OF HOLDING               |                               |                                 |                                   |                                   |
|---|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------------------|
|   | 500 acres<br>and under<br>640 | 640 acres<br>and under<br>750 | 750 acres<br>and under<br>1,000 | 1,000 acres<br>and under<br>2,000 | 2,000 acres<br>and under<br>3,000 |
|   | acres                         | acres                         | acres                           | acres                             | acres                             |
| Dairy farming . . . . .                 | 156,901                       | 64,912                        | 68,928                          | 109,511                           | 6,963                             |
| Sheep and cattle grazing . . . . .      | 947,514                       | 641,194                       | 1,402,741                       | 4,025,162                         | 2,192,823                         |
| Mixed agriculture and grazing . . . . . | 260,305                       | 135,673                       | 216,537                         | 356,955                           | 78,851                            |
| Mixed dairying and grazing . . . . .    | 298,187                       | 181,813                       | 298,575                         | 508,917                           | 168,826                           |
| General mixed farming . . . . .         | 18,118                        | 10,993                        | 17,400                          | 6,607                             | 2,083                             |
| Orchards . . . . .                      | 500                           | —                             | —                               | —                                 | —                                 |
| Market gardens . . . . .                | —                             | —                             | —                               | —                                 | —                                 |
| Poultry farming . . . . .               | —                             | —                             | —                               | —                                 | —                                 |
| Nurseries . . . . .                     | —                             | —                             | —                               | —                                 | —                                 |
| Timber growing . . . . .                | 3,247                         | —                             | 1,592                           | 7,263                             | 8,843                             |
| Flax growing . . . . .                  | 4,525                         | 1,444                         | 863                             | 11,845                            | 7,367                             |
| Idle and unused . . . . .               | 78,679                        | 50,683                        | 86,502                          | 215,732                           | 195,953                           |
| Other and unspecified . . . . .         | 126,111                       | 60,000                        | 145,335                         | 274,427                           | 115,630                           |
| <b>Total . . . . .</b>                  | <b>1,894,087</b>              | <b>1,155,712</b>              | <b>2,238,503</b>                | <b>5,510,419</b>                  | <b>2,778,339</b>                  |

## ACCORDING TO PURPOSE,

| TYPE OF HOLDING                         | SIZE OF HOLDING             |                             |                             |                              |                               |                               |                               |                               |                               |                               |
|---|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
|   | 30 acres<br>and under<br>40 | 40 acres<br>and under<br>50 | 50 acres<br>and under<br>75 | 75 acres<br>and under<br>100 | 100 acres<br>and under<br>150 | 150 acres<br>and under<br>200 | 200 acres<br>and under<br>250 | 250 acres<br>and under<br>320 | 320 acres<br>and under<br>400 | 400 acres<br>and under<br>500 |
|   | acres                       | acres                       | acres                       | acres                        | acres                         | acres                         | acres                         | acres                         | acres                         | acres                         |
| Dairy farming . . . . .                 | 42,857                      | 63,353                      | 238,745                     | 283,481                      | 638,057                       | 500,953                       | 409,928                       | 330,828                       | 244,544                       | 192,790                       |
| Sheep and cattle grazing . . . . .      | 4,082                       | 4,793                       | 20,003                      | 29,292                       | 97,678                        | 139,037                       | 205,657                       | 327,846                       | 426,661                       | 649,033                       |
| Mixed agriculture and grazing . . . . . | 685                         | 2,052                       | 6,680                       | 10,600                       | 44,266                        | 84,177                        | 114,870                       | 168,388                       | 190,987                       | 220,606                       |
| Mixed dairying and grazing . . . . .    | 2,688                       | 4,706                       | 14,555                      | 29,115                       | 89,807                        | 123,650                       | 170,731                       | 226,706                       | 222,238                       | 259,085                       |
| General mixed farming . . . . .         | 4,352                       | 7,603                       | 25,756                      | 26,056                       | 74,759                        | 62,019                        | 40,217                        | 47,735                        | 35,275                        | 27,397                        |
| Orchards . . . . .                      | 3,925                       | 3,028                       | 4,494                       | 2,320                        | 2,247                         | 1,562                         | 2,400                         | 841                           | 370                           | 408                           |
| Market gardens . . . . .                | 1,255                       | 784                         | 1,155                       | 249                          | 337                           | —                             | —                             | —                             | —                             | —                             |
| Poultry farming . . . . .               | 231                         | 80                          | 296                         | —                            | 225                           | —                             | —                             | —                             | —                             | —                             |
| Nurseries . . . . .                     | 32                          | 88                          | 50                          | —                            | 139                           | —                             | —                             | 318                           | 324                           | —                             |
| Timber growing . . . . .                | 319                         | 135                         | 445                         | 153                          | 250                           | 666                           | 1,131                         | 1,485                         | 1,474                         | 826                           |
| Flax growing . . . . .                  | —                           | 45                          | 108                         | —                            | 218                           | 704                           | 951                           | 264                           | 693                           | 800                           |
| Idle and unused . . . . .               | 5,964                       | 9,962                       | 23,688                      | 23,891                       | 48,429                        | 41,725                        | 46,559                        | 57,041                        | 49,102                        | 64,139                        |
| Other and unspecified . . . . .         | 14,725                      | 16,499                      | 39,262                      | 34,637                       | 80,370                        | 67,098                        | 76,735                        | 105,152                       | 99,809                        | 95,426                        |
| <b>Total . . . . .</b>                  | <b>82,315</b>               | <b>113,118</b>              | <b>375,235</b>              | <b>439,994</b>               | <b>1,097,382</b>              | <b>1,021,581</b>              | <b>1,076,159</b>              | <b>1,274,604</b>              | <b>1,271,677</b>              | <b>1,510,602</b>              |

| TYPE OF HOLDING                         | SIZE OF HOLDING                   |                                   |                                   |                                    |                                     |                                     |                                     |                                     |                          | Total<br>of all<br>holdings |
|---|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-----------------------------|
|   | 3,000 acres<br>and under<br>4,000 | 4,000 acres<br>and under<br>5,000 | 5,000 acres<br>and under<br>7,500 | 7,500 acres<br>and under<br>10,000 | 10,000 acres<br>and under<br>15,000 | 15,000 acres<br>and under<br>20,000 | 20,000 acres<br>and under<br>30,000 | 30,000 acres<br>and under<br>50,000 | 50,000 acres<br>and over |                             |
|   | acres                             | acres                             | acres                             | acres                              | acres                               | acres                               | acres                               | acres                               | acres                    |                             |
| Dairy farming . . . . .                 | 4,814                             | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 3,484,646                   |
| Sheep and cattle grazing . . . . .      | 1,835,815                         | 1,300,195                         | 2,075,486                         | 1,306,719                          | 1,974,599                           | 1,670,632                           | 1,792,944                           | 2,367,045                           | 4,296,192                | 29,673,226                  |
| Mixed agriculture and grazing . . . . . | 44,619                            | 22,254                            | 26,849                            | —                                  | 10,116                              | —                                   | —                                   | —                                   | —                        | 1,992,023                   |
| Mixed dairying and grazing . . . . .    | 80,896                            | 43,779                            | 91,296                            | 8,261                              | 33,203                              | —                                   | —                                   | —                                   | —                        | 2,801,162                   |
| General mixed farming . . . . .         | —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 421,431                     |
| Orchards . . . . .                      | —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 37,279                      |
| Market gardens . . . . .                | —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 18,839                      |
| Poultry farming . . . . .               | —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 2,894                       |
| Nurseries . . . . .                     | —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 1,364                       |
| Timber growing . . . . .                | 10,447                            | 4,000                             | 6,014                             | 8,416                              | 32,872                              | 17,040                              | 25,000                              | 32,687                              | 157,482                  | 322,316                     |
| Flax growing . . . . .                  | 6,500                             | 4,227                             | 5,408                             | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 45,876                      |
| Idle and unused . . . . .               | 92,570                            | 30,048                            | 66,743                            | 42,753                             | 97,407                              | 31,444                              | 26,000                              | 253,461                             | 266,629                  | 1,898,715                   |
| Other and unspecified . . . . .         | 52,987                            | 53,255                            | 104,087                           | 59,972                             | 200,301                             | 184,231                             | 295,079                             | 210,554                             | 103,407                  | 2,676,762                   |
| <b>Total . . . . .</b>                  | <b>2,097,638</b>                  | <b>1,497,949</b>                  | <b>2,313,883</b>                  | <b>1,426,121</b>                   | <b>2,348,499</b>                    | <b>1,983,397</b>                    | <b>2,139,023</b>                    | <b>2,863,747</b>                    | <b>4,823,710</b>         | <b>43,368,683</b>           |

## 31. — DISTRIBUTION

| CLASSIFICATION   | Size of holding          |                            |                             |                             |                             |
|--|--------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  | 1 acre<br>and under<br>5 | 5 acres<br>and under<br>10 | 10 acres<br>and under<br>15 | 15 acres<br>and under<br>20 | 20 acres<br>and under<br>30 |
|  | acres                    | acres                      | acres                       | acres                       | acres                       |
| ARABLE AND OTHER CULTIVATED LAND (1) . . . . .                     | 2,017                    | 5,596                      | 8,191                       | 7,067                       | 15,414                      |
| <i>of which wheat for threshing, including stricking</i> . . . . . | 9                        | 106                        | 263                         | 241                         | 930                         |
| SOWN PASTURE, PLANTATIONS AND OTHER AREAS:                         |                          |                            |                             |                             |                             |
| Sown pasture (not cut for seed, hay or ensilage) . . . . .         | 12,764                   | 24,213                     | 28,137                      | 21,496                      | 51,804                      |
| Plantations . . . . .  | 46                       | 126                        | 275                         | 280                         | 818                         |
| Other areas (2) . . . . .  | 4,639                    | 6,629                      | 7,115                       | 6,150                       | 12,703                      |
| <i>Total</i> . . . . .   | 17,449                   | 30,968                     | 35,527                      | 27,926                      | 65,405                      |
| <i>General total</i> . . . . .                                     | 19,466                   | 36,564                     | 43,718                      | 34,993                      | 80,819                      |

| CLASSIFICATION   | Size of holding               |                               |                                 |                                   |                                   |
|--|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------------------|
|  | 500 acres<br>and under<br>640 | 640 acres<br>and under<br>750 | 750 acres<br>and under<br>1,000 | 1,000 acres<br>and under<br>2,000 | 2,000 acres<br>and under<br>3,000 |
|  | acres                         | acres                         | acres                           | acres                             | acres                             |
| ARABLE AND OTHER CULTIVATED LAND (1) . . . . .                     | 153,286                       | 81,498                        | 131,707                         | 208,900                           | 59,706                            |
| <i>of which wheat for threshing, including stricking</i> . . . . . | 26,658                        | 13,557                        | 20,071                          | 26,423                            | 3,961                             |
| SOWN PASTURE, PLANTATIONS AND OTHER AREAS:                         |                               |                               |                                 |                                   |                                   |
| Sown pasture (not cut for seed, hay or ensilage) . . . . .         | 1,152,349                     | 690,224                       | 1,332,517                       | 3,051,767                         | 1,371,147                         |
| Plantations . . . . .  | 6,227                         | 2,726                         | 5,951                           | 13,029                            | 12,516                            |
| Other areas (2) . . . . .  | 582,225                       | 361,264                       | 268,240                         | 2,136,723                         | 1,334,970                         |
| <i>Total</i> . . . . .   | 1,740,801                     | 1,074,214                     | 2,106,716                       | 5,301,519                         | 2,718,633                         |
| <i>General total</i> . . . . .                                     | 1,894,087                     | 1,155,712                     | 2,238,503                       | 5,510,619                         | 2,778,339                         |

(1) Not including fallow land (acres 124,565). — (2) Including fallow land (acres 124,565).

## OF TOTAL AREA OCCUPIED.

| Size of holding             |                             |                             |                              |                               |                               |                               |                               |                               |                               |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 30 acres<br>and under<br>40 | 40 acres<br>and under<br>50 | 50 acres<br>and under<br>75 | 75 acres<br>and under<br>100 | 100 acres<br>and under<br>150 | 150 acres<br>and under<br>200 | 200 acres<br>and under<br>250 | 250 acres<br>and under<br>320 | 320 acres<br>and under<br>400 | 400 acres<br>and under<br>500 |
| acres                       | acres                       | acres                       | acres                        | acres                         | acres                         | acres                         | acres                         | acres                         | acres                         |
| 15,344                      | 18,576                      | 62,372                      | 65,620                       | 158,388                       | 137,619                       | 130,508                       | 140,248                       | 134,861                       | 141,382                       |
| 727                         | 1,528                       | 4,723                       | 4,875                        | 15,865                        | 18,672                        | 19,108                        | 24,784                        | 25,471                        | 26,277                        |
| 53,216                      | 74,558                      | 254,474                     | 303,842                      | 748,034                       | 687,475                       | 711,963                       | 816,512                       | 801,991                       | 940,246                       |
| 761                         | 624                         | 1,318                       | 1,242                        | 2,826                         | 2,551                         | 3,151                         | 4,300                         | 3,939                         | 5,946                         |
| 14,994                      | 19,359                      | 57,071                      | 68,890                       | 188,134                       | 195,956                       | 230,537                       | 313,544                       | 331,566                       | 425,028                       |
| 68,971                      | 94,542                      | 312,863                     | 373,974                      | 938,994                       | 883,962                       | 945,637                       | 1,134,356                     | 1,136,396                     | 1,269,229                     |
| 82,315                      | 113,118                     | 375,235                     | 439,594                      | 1,097,382                     | 1,021,581                     | 1,076,159                     | 1,274,604                     | 1,271,477                     | 1,519,602                     |

| Size of holding                   |                                   |                                   |                                    |                                     |                                     |                                     |                                     |                          | TOTAL<br>OF ALL<br>HOLDINGS |
|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-----------------------------|
| 3,000 acres<br>and under<br>4,000 | 4,000 acres<br>and under<br>5,000 | 5,000 acres<br>and under<br>7,500 | 7,500 acres<br>and under<br>10,000 | 10,000 acres<br>and under<br>15,000 | 15,000 acres<br>and under<br>20,000 | 20,000 acres<br>and under<br>30,000 | 30,000 acres<br>and under<br>50,000 | 50,000 acres<br>and over |                             |
| acres                             | acres                             | acres                             | acres                              | acres                               | acres                               | acres                               | acres                               | acres                    | acres                       |
| 30,736                            | 18,736                            | 21,401                            | 10,372                             | 12,066                              | 6,662                               | 7,488                               | 6,012                               | 5,234                    | 1,795,107                   |
| 1,635                             | 676                               | 813                               | 67                                 | 179                                 | 60                                  | 58                                  | 65                                  | 70                       | 235,942                     |
| 926,644                           | 574,570                           | 831,210                           | 426,584                            | 446,852                             | 214,404                             | 154,588                             | 104,580                             | 65,686                   | 16,672,948                  |
| 11,682                            | 4,032                             | 3,297                             | 11,427                             | 21,943                              | 2,627                               | 12,692                              | 36,219                              | 118,449                  | 289,620                     |
| 1,128,576                         | 860,611                           | 1,457,975                         | 977,738                            | 1,867,637                           | 1,679,704                           | 1,564,255                           | 2,656,936                           | 4,634,341                | 24,411,578                  |
| 2,068,902                         | 1,439,213                         | 2,292,482                         | 1,415,749                          | 2,336,432                           | 1,896,735                           | 2,131,535                           | 2,797,735                           | 4,818,476                | 41,573,546                  |
| 2,097,638                         | 1,457,949                         | 2,313,883                         | 1,426,121                          | 2,348,498                           | 1,903,397                           | 2,139,023                           | 2,803,747                           | 4,823,710                | 43,368,653                  |

## 32. — CHIEF FARM MACHINES

| CLASSIFICATION                                       | 1 acre<br>and under | 5 acres<br>and under | 10 acres<br>and under | 15 acres<br>and under | 20 acres<br>and under |
|--|---------------------|----------------------|-----------------------|-----------------------|-----------------------|
|  | 5                   | 10                   | 15                    | 20                    | 30                    |
| POWER MACHINERY:                                     | number              | number               | number                | number                | number                |
| Internal-combustion engines . . . . .                | 21                  | 89                   | 128                   | 79                    | 203                   |
| Electric motors . . . . .                            | 41                  | 70                   | 95                    | 67                    | 195                   |
| Agricultural tractors . . . . .                      | 2                   | 19                   | 19                    | 20                    | 29                    |
| MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS: |                     |                      |                       |                       |                       |
| Milking machines . . . . .                           | —                   | 5                    | 9                     | 15                    | 95                    |
| Shearing machines . . . . .                          | 2                   | —                    | 3                     | 2                     | —                     |

| CLASSIFICATION                                       | 500 acres<br>and under | 640 acres<br>and under | 750 acres<br>and under | 1,000 acres<br>and under | 2,000 acres<br>and under |
|--|------------------------|------------------------|------------------------|--------------------------|--------------------------|
|  | 640                    | 750                    | 1,000                  | 2,000                    | 3,000                    |
| POWER MACHINERY:                                     | number                 | number                 | number                 | number                   | number                   |
| Internal-combustion engines . . . . .                | 1,171                  | 674                    | 1,102                  | 2,018                    | 690                      |
| Electric motors . . . . .                            | 656                    | 325                    | 490                    | 751                      | 158                      |
| Agricultural tractors . . . . .                      | 335                    | 288                    | 318                    | 573                      | 165                      |
| MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS: |                        |                        |                        |                          |                          |
| Milking machines . . . . .                           | 682                    | 326                    | 388                    | 532                      | 105                      |
| Shearing machines . . . . .                          | 777                    | 303                    | 900                    | 1,804                    | 631                      |

## 33. — POWER OF CHIEF FARM

| CLASSIFICATION                                       | 1 acre<br>and under | 5 acres<br>and under | 10 acres<br>and under | 15 acres<br>and under | 20 acres<br>and under |
|--|---------------------|----------------------|-----------------------|-----------------------|-----------------------|
|  | 5                   | 10                   | 15                    | 20                    | 30                    |
| POWER MACHINERY:                                     | Nominal<br>H. P.    | Nominal<br>H. P.     | Nominal<br>H. P.      | Nominal<br>H. P.      | Nominal<br>H. P.      |
| Internal-combustion engines . . . . .                | 40                  | 205                  | 302                   | 194                   | 549                   |
| Electric motors . . . . .                            | 56                  | 95                   | 148                   | 117                   | 263                   |
| Agricultural tractors . . . . .                      | 9                   | 240                  | 232                   | 315                   | 425                   |
| MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS: |                     |                      |                       |                       |                       |
| Milking machines . . . . .                           | (1) —               | (1) 7                | (1) 22                | (1) 34                | (1) 218               |
| Shearing machines . . . . .                          | (2) 4               | —                    | (2) 9                 | (2) 3                 | —                     |

| CLASSIFICATION                                       | 500 acres<br>and under | 640 acres<br>and under | 750 acres<br>and under | 1,000 acres<br>and under | 2,000 acres<br>and under |
|--|------------------------|------------------------|------------------------|--------------------------|--------------------------|
|  | 640                    | 750                    | 1,000                  | 2,000                    | 3,000                    |
| POWER MACHINERY:                                     | Nominal<br>H. P.       | Nominal<br>H. P.       | Nominal<br>H. P.       | Nominal<br>H. P.         | Nominal<br>H. P.         |
| Internal-combustion engines . . . . .                | 3,591                  | 2,137                  | 3,511                  | 6,881                    | 2,545                    |
| Electric motors . . . . .                            | 1,028                  | 549                    | 756                    | 1,420                    | 346                      |
| Agricultural tractors . . . . .                      | 4,974                  | 3,133                  | 5,013                  | 8,905                    | 2,649                    |
| MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS: |                        |                        |                        |                          |                          |
| Milking machines . . . . .                           | (1) 2,711              | (1) 1,344              | (1) 1,539              | (1) 2,194                | (1) 436                  |
| Shearing machines . . . . .                          | (2) 1,741              | (2) 1,208              | (2) 2,234              | (2) 5,253                | (2) 2,308                |

(1) Number of cows capable of being milked simultaneously. — (2) Number of stands.

## ON 31 JANUARY 1930.

| SIZE OF HOLDING       |                       |                       |                       |                        |                        |                        |                        |                        |                        |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 30 acres<br>and under | 40 acres<br>and under | 50 acres<br>and under | 75 acres<br>and under | 100 acres<br>and under | 150 acres<br>and under | 200 acres<br>and under | 250 acres<br>and under | 320 acres<br>and under | 400 acres<br>and under |
| 40                    | 50                    | 75                    | 100                   | 150                    | 200                    | 250                    | 320                    | 400                    | 500                    |
| number                | number                | number                | number                | number                 | number                 | number                 | number                 | number                 | number                 |
| 189                   | 279                   | 1,074                 | 1,150                 | 2,433                  | 1,264                  | 1,377                  | 1,282                  | 1,156                  | 1,109                  |
| 259                   | 466                   | 1,714                 | 1,675                 | 3,221                  | 1,874                  | 1,400                  | 1,164                  | 816                    | 720                    |
| 27                    | 28                    | 61                    | 80                    | 290                    | 242                    | 248                    | 286                    | 312                    | 341                    |
| 226                   | 469                   | 2,183                 | 2,339                 | 4,668                  | 2,806                  | 2,821                  | 1,569                  | 1,064                  | 830                    |
| 4                     | 2                     | 11                    | 18                    | 85                     | 132                    | 178                    | 319                    | 417                    | 574                    |

| SIZE OF HOLDING          |                          |                          |                          |                           |                           |                           |                           |                          | TOTAL<br>OF ALL<br>HOLDINGS |
|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-----------------------------|
| 3,000 acres<br>and under | 4,000 acres<br>and under | 5,000 acres<br>and under | 7,500 acres<br>and under | 10,000 acres<br>and under | 15,000 acres<br>and under | 20,000 acres<br>and under | 30,000 acres<br>and under | 50,000 acres<br>and over |                             |
| 4,000                    | 5,000                    | 7,500                    | 10,000                   | 15,000                    | 20,000                    | 30,000                    | 50,000                    | and over                 |                             |
| number                   | number                   | number                   | number                   | number                    | number                    | number                    | number                    | number                   | number                      |
| 363                      | 211                      | 254                      | 93                       | 100                       | 72                        | 42                        | 35                        | 27                       | 19,169                      |
| 76                       | 41                       | 73                       | 20                       | 24                        | 19                        | 25                        | 16                        | 7                        | 16,456                      |
| 104                      | 56                       | 59                       | 26                       | 27                        | 23                        | 14                        | 19                        | 20                       | 3,881                       |
| 34                       | 12                       | 13                       | 3                        | 6                         | 1                         | 2                         | —                         | 2                        | 20,415                      |
| 348                      | 189                      | 189                      | 85                       | 91                        | 51                        | 34                        | 27                        | 18                       | 7,394                       |

## MACHINES ON 31 JANUARY 1930.

| SIZE OF HOLDING       |                       |                       |                       |                        |                        |                        |                        |                        |                        |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 30 acres<br>and under | 40 acres<br>and under | 50 acres<br>and under | 75 acres<br>and under | 100 acres<br>and under | 150 acres<br>and under | 200 acres<br>and under | 250 acres<br>and under | 320 acres<br>and under | 400 acres<br>and under |
| 40                    | 50                    | 75                    | 100                   | 150                    | 200                    | 250                    | 320                    | 400                    | 500                    |
| Nominal<br>H. P.      | Nominal<br>H. P.      | Nominal<br>H. P.      | Nominal<br>H. P.      | Nominal<br>H. P.       | Nominal<br>H. P.       | Nominal<br>H. P.       | Nominal<br>H. P.       | Nominal<br>H. P.       | Nominal<br>H. P.       |
| 514                   | 709                   | 2,825                 | 3,009                 | 6,794                  | 5,057                  | 3,875                  | 3,747                  | 3,422                  | 3,356                  |
| 358                   | 635                   | 2,752                 | 2,912                 | 5,883                  | 3,441                  | 2,558                  | 2,014                  | 1,363                  | 1,204                  |
| 398                   | 465                   | 912                   | 1,178                 | 3,349                  | 3,623                  | 3,507                  | 4,264                  | 4,747                  | 4,960                  |
| (1) 515               | (1) 1,147             | (1) 6,052             | (1) 7,269             | (1) 16,083             | (1) 10,441             | (1) 7,901              | (1) 6,284              | (1) 4,351              | (1) 3,340              |
| (2) 12                | (2) 4                 | (2) 23                | (2) 35                | (2) 169                | (2) 269                | (2) 352                | (2) 661                | (2) 902                | (2) 1,237              |

| SIZE OF HOLDING          |                          |                          |                          |                           |                           |                           |                           |                          | TOTAL<br>OF ALL<br>HOLDINGS |
|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-----------------------------|
| 3,000 acres<br>and under | 4,000 acres<br>and under | 5,000 acres<br>and under | 7,500 acres<br>and under | 10,000 acres<br>and under | 15,000 acres<br>and under | 20,000 acres<br>and under | 30,000 acres<br>and under | 50,000 acres<br>and over |                             |
| 4,000                    | 5,000                    | 7,500                    | 10,000                   | 15,000                    | 20,000                    | 30,000                    | 50,000                    | and over                 |                             |
| Nominal<br>H. P.         | Nominal<br>H. P.         | Nominal<br>H. P.         | Nominal<br>H. P.         | Nominal<br>H. P.          | Nominal<br>H. P.          | Nominal<br>H. P.          | Nominal<br>H. P.          | Nominal<br>H. P.         | Nominal<br>H. P.            |
| 1,450                    | 904                      | 1,130                    | 468                      | 474                       | 329                       | 189                       | 189                       | 136                      | 58,552                      |
| 169                      | 137                      | 149                      | 42                       | 91                        | 65                        | 41                        | 38                        | 16                       | 28,838                      |
| 1,695                    | 900                      | 966                      | 492                      | 466                       | 342                       | 265                       | 299                       | 294                      | 99,217                      |
| (1) 145                  | (1) 54                   | (1) 52                   | (1) 12                   | (1) 22                    | (1) 2                     | (1) 4                     | —                         | (1) 8                    | (1) 72,147                  |
| (2) 1,416                | (2) 899                  | (2) 1,027                | (2) 495                  | (2) 511                   | (2) 298                   | (2) 215                   | (2) 149                   | (2) 168                  | (2) 21,482                  |



## 34. — TOP-DRESSING (Twelve

| CLASSIFICATION              | SIZE OF HOLDING          |                            |                             |                             |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
|                             | 1 acre<br>and under<br>5 | 5 acres<br>and under<br>10 | 10 acres<br>and under<br>15 | 15 acres<br>and under<br>20 | 20 acres<br>and under<br>30 |
| Acres top-dressed . . . . . | 1,073                    | 3,682                      | 6,378                       | 5,011                       | 14,360                      |

  

| CLASSIFICATION              | SIZE OF HOLDING               |                               |                                 |                                   |                                   |
|-----------------------------|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------------------|
|                             | 500 acres<br>and under<br>640 | 640 acres<br>and under<br>750 | 750 acres<br>and under<br>1,000 | 1,000 acres<br>and under<br>2,000 | 2,000 acres<br>and under<br>5,000 |
| Acres top-dressed . . . . . | 164,877                       | 96,934                        | 147,407                         | 267,412                           | 71,267                            |

## 35. — PRINCIPAL CATEGORIES OF LIVE

| CLASSIFICATION                   | SIZE OF HOLDING          |                            |                             |                             |                             |
|----------------------------------|--------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
|                                  | 1 acre<br>and under<br>5 | 5 acres<br>and under<br>10 | 10 acres<br>and under<br>15 | 15 acres<br>and under<br>20 | 20 acres<br>and under<br>30 |
| Horses . . . . .                 | 1,896                    | 2,698                      | 2,603                       | 1,670                       | 3,862                       |
| CATTLE:                          |                          |                            |                             |                             |                             |
| Dairy cows 2 years old and over: |                          |                            |                             |                             |                             |
| in milk . . . . .                | 5,980                    | 10,217                     | 10,694                      | 8,160                       | 19,203                      |
| dry . . . . .                    | 91                       | 209                        | 229                         | 205                         | 399                         |
| Total . . . . .                  | 6,071                    | 10,426                     | 10,923                      | 8,365                       | 19,602                      |
| Other cattle . . . . .           | 2,895                    | 5,416                      | 6,534                       | 5,134                       | 12,589                      |
| Total cattle . . . . .           | 8,966                    | 15,842                     | 17,457                      | 13,499                      | 32,191                      |
| SHEEP BORN (1) . . . . .         | 267                      | 1,166                      | 3,983                       | 3,288                       | 10,144                      |
| LAMBS TAKEN (1) . . . . .        | 102                      | 844                        | 1,884                       | 1,662                       | 4,647                       |
| Pigs . . . . .                   | 2,535                    | 5,106                      | 5,565                       | 3,913                       | 9,163                       |

  

| CLASSIFICATION                   | SIZE OF HOLDING               |                               |                                 |                                   |                                   |
|----------------------------------|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------------------|
|                                  | 500 acres<br>and under<br>640 | 640 acres<br>and under<br>750 | 750 acres<br>and under<br>1,000 | 1,000 acres<br>and under<br>2,000 | 2,000 acres<br>and under<br>5,000 |
| Horses . . . . .                 | 19,103                        | 10,176                        | 16,622                          | 29,553                            | 10,702                            |
| CATTLE:                          |                               |                               |                                 |                                   |                                   |
| Dairy cows 2 years old and over: |                               |                               |                                 |                                   |                                   |
| in milk . . . . .                | 57,770                        | 27,675                        | 36,442                          | 52,766                            | 13,153                            |
| dry . . . . .                    | 3,372                         | 1,808                         | 3,382                           | 5,203                             | 1,507                             |
| Total . . . . .                  | 61,142                        | 29,483                        | 39,824                          | 57,969                            | 14,660                            |
| Other cattle . . . . .           | 126,802                       | 80,798                        | 151,373                         | 167,265                           | 177,732                           |
| Total cattle . . . . .           | 187,944                       | 110,281                       | 191,197                         | 225,234                           | 192,392                           |
| SHEEP BORN (1) . . . . .         | 1,823,243                     | 1,138,210                     | 2,205,895                       | 5,280,580                         | 2,531,206                         |
| LAMBS TAKEN (1) . . . . .        | 1,211,100                     | 737,848                       | 1,358,551                       | 2,915,046                         | 1,265,144                         |
| Pigs . . . . .                   | 19,110                        | 8,937                         | 12,692                          | 18,155                            | 6,060                             |

(1) Season 1929-30.

## months ending 31 January 1930).

| SIZE OF HOLDING             |                             |                             |                              |                               |                               |                               |                               |                               |                               |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 30 acres<br>and under<br>40 | 40 acres<br>and under<br>50 | 50 acres<br>and under<br>75 | 75 acres<br>and under<br>100 | 100 acres<br>and under<br>150 | 150 acres<br>and under<br>200 | 200 acres<br>and under<br>250 | 250 acres<br>and under<br>320 | 320 acres<br>and under<br>400 | 400 acres<br>and under<br>500 |
| acres                       | acres                       | acres                       | acres                        | acres                         | acres                         | acres                         | acres                         | acres                         | acres                         |
| 16,462                      | 28,829                      | 119,045                     | 145,765                      | 350,997                       | 269,870                       | 257,114                       | 222,061                       | 184,375                       | 173,273                       |

  

| SIZE OF HOLDING                   |                                   |                                   |                                    |                                     |                                     |                                     |                                     |                          | TOTAL<br>OF ALL<br>HOLDINGS |
|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-----------------------------|
| 3,000 acres<br>and under<br>4,000 | 4,000 acres<br>and under<br>5,000 | 5,000 acres<br>and under<br>7,500 | 7,500 acres<br>and under<br>10,000 | 10,000 acres<br>and under<br>15,000 | 15,000 acres<br>and under<br>20,000 | 20,000 acres<br>and under<br>30,000 | 30,000 acres<br>and under<br>50,000 | 50,000 acres<br>and over |                             |
| acres                             | acres                             | acres                             | acres                              | acres                               | acres                               | acres                               | acres                               | acres                    | acres                       |
| 41,866                            | 21,556                            | 22,004                            | 17,734                             | 8,645                               | 4,367                               | 2,809                               | 3,508                               | 2,859                    | 2,650,748                   |

## STOCK ON HOLDINGS ON 31 JANUARY 1930.

| SIZE OF HOLDING             |                             |                             |                              |                               |                               |                               |                               |                               |                               |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 30 acres<br>and under<br>40 | 40 acres<br>and under<br>50 | 50 acres<br>and under<br>75 | 75 acres<br>and under<br>100 | 100 acres<br>and under<br>150 | 150 acres<br>and under<br>200 | 200 acres<br>and under<br>250 | 250 acres<br>and under<br>320 | 320 acres<br>and under<br>400 | 400 acres<br>and under<br>500 |
| number                      | number                      | number                      | number                       | number                        | number                        | number                        | number                        | number                        | number                        |
| 3,419                       | 4,208                       | 12,673                      | 12,275                       | 27,143                        | 21,679                        | 19,472                        | 20,010                        | 17,351                        | 18,377                        |
| 20,755                      | 30,869                      | 107,690                     | 117,451                      | 258,035                       | 179,115                       | 139,114                       | 114,625                       | 80,634                        | 65,168                        |
| 429                         | 481                         | 1,810                       | 2,017                        | 5,065                         | 5,699                         | 3,855                         | 4,257                         | 3,572                         | 3,397                         |
| 27,384                      | 30,359                      | 109,509                     | 119,468                      | 263,199                       | 182,814                       | 142,969                       | 118,882                       | 84,206                        | 68,565                        |
| 13,082                      | 18,283                      | 63,882                      | 68,417                       | 158,120                       | 127,105                       | 112,362                       | 113,614                       | 99,084                        | 109,179                       |
| 34,766                      | 48,878                      | 173,392                     | 187,665                      | 421,220                       | 309,919                       | 255,331                       | 232,496                       | 185,290                       | 177,744                       |
| 15,649                      | 20,650                      | 67,255                      | 104,050                      | 364,938                       | 499,583                       | 684,042                       | 968,288                       | 1,115,538                     | 1,439,355                     |
| 9,612                       | 14,227                      | 47,082                      | 75,048                       | 263,260                       | 375,572                       | 525,527                       | 785,149                       | 809,878                       | 1,019,298                     |
| 10,161                      | 15,137                      | 41,645                      | 62,369                       | 85,980                        | 59,420                        | 43,760                        | 37,225                        | 26,486                        | 21,899                        |

  

| SIZE OF HOLDING                   |                                   |                                   |                                    |                                     |                                     |                                     |                                     |                          | TOTAL<br>OF ALL<br>HOLDINGS |
|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-----------------------------|
| 3,000 acres<br>and under<br>4,000 | 4,000 acres<br>and under<br>5,000 | 5,000 acres<br>and under<br>7,500 | 7,500 acres<br>and under<br>10,000 | 10,000 acres<br>and under<br>15,000 | 15,000 acres<br>and under<br>20,000 | 20,000 acres<br>and under<br>30,000 | 30,000 acres<br>and under<br>50,000 | 50,000 acres<br>and over |                             |
| number                            | number                            | number                            | number                             | number                              | number                              | number                              | number                              | number                   | number                      |
| 6,694                             | 4,222                             | 5,893                             | 2,979                              | 2,996                               | 1,609                               | 1,426                               | 1,431                               | 1,586                    | 284,190                     |
| 5,474                             | 2,735                             | 2,320                             | 462                                | 1,102                               | 417                                 | 498                                 | 324                                 | 417                      | 1,369,025                   |
| 906                               | 742                               | 414                               | 112                                | 412                                 | 78                                  | 56                                  | 93                                  | 69                       | 47,950                      |
| 6,380                             | 3,477                             | 2,734                             | 1,074                              | 1,514                               | 495                                 | 554                                 | 417                                 | 477                      | 1,416,575                   |
| 128,926                           | 76,895                            | 103,492                           | 58,345                             | 55,631                              | 24,267                              | 18,954                              | 14,853                              | 15,467                   | 2,316,285                   |
| 135,306                           | 80,282                            | 106,228                           | 39,419                             | 57,145                              | 24,762                              | 19,508                              | 15,279                              | 15,944                   | 3,733,254                   |
| 1,769,672                         | 1,127,162                         | 1,660,839                         | 901,191                            | 1,000,802                           | 588,767                             | 560,168                             | 554,647                             | 558,831                  | 26,999,410                  |
| 699,277                           | 513,642                           | 711,648                           | 378,014                            | 387,721                             | 187,733                             | 205,321                             | 182,882                             | 141,880                  | 14,887,599                  |
| 1,448                             | 1,085                             | 1,086                             | 362                                | 340                                 | 95                                  | 160                                 | 135                                 | 104                      | 480,131                     |

36. — HERDS OF CATTLE ON HOLDINGS,

| SIZE OF HERD OF ALL CATTLE | Size of holding    |                      |                       |                       |                       |
|----------------------------|--------------------|----------------------|-----------------------|-----------------------|-----------------------|
|                            | 1 acre and under 5 | 5 acres and under 10 | 10 acres and under 15 | 15 acres and under 20 | 20 acres and under 30 |
| 1 to 9                     | 3,556              | 3,504                | 2,075                 | 892                   | 1,195                 |
| 10 to 19                   | 31                 | 200                  | 532                   | 531                   | 1,064                 |
| 20 to 24                   | —                  | 7                    | 21                    | 53                    | 296                   |
| 25 to 29                   | —                  | —                    | 7                     | 21                    | 91                    |
| 30 to 34                   | 2                  | —                    | 2                     | 5                     | 45                    |
| 35 to 39                   | —                  | 1                    | 3                     | 2                     | 20                    |
| 40 to 44                   | —                  | 1                    | 2                     | —                     | 8                     |
| 45 to 49                   | —                  | 1                    | —                     | 1                     | 4                     |
| 50 to 59                   | —                  | —                    | —                     | 1                     | —                     |
| 60 to 74                   | —                  | —                    | 2                     | —                     | 1                     |
| 75 to 99                   | —                  | —                    | 1                     | —                     | 1                     |
| 100 to 199                 | —                  | —                    | —                     | —                     | 1                     |
| 200 to 299                 | —                  | —                    | —                     | —                     | 1                     |
| 300 to 399                 | —                  | —                    | —                     | —                     | —                     |
| 400 to 499                 | —                  | —                    | —                     | —                     | —                     |
| 500 to 999                 | —                  | —                    | —                     | —                     | —                     |
| 1,000 and over             | —                  | —                    | —                     | —                     | —                     |
| <b>Total</b>               | <b>3,589</b>       | <b>3,714</b>         | <b>2,645</b>          | <b>1,506</b>          | <b>2,683</b>          |

| SIZE OF HERD OF ALL CATTLE | Size of holding         |                         |                           |                             |                             |
|----------------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
|                            | 500 acres and under 600 | 600 acres and under 750 | 750 acres and under 1,000 | 1,000 acres and under 2,000 | 2,000 acres and under 3,000 |
| 1 to 9                     | 500                     | 228                     | 338                       | 498                         | 125                         |
| 10 to 19                   | 465                     | 207                     | 289                       | 395                         | 108                         |
| 20 to 24                   | 151                     | 75                      | 105                       | 132                         | 31                          |
| 25 to 29                   | 124                     | 64                      | 87                        | 96                          | 30                          |
| 30 to 34                   | 113                     | 59                      | 69                        | 105                         | 30                          |
| 35 to 39                   | 113                     | 51                      | 65                        | 80                          | 23                          |
| 40 to 44                   | 90                      | 38                      | 66                        | 94                          | 10                          |
| 45 to 49                   | 80                      | 31                      | 56                        | 70                          | 17                          |
| 50 to 59                   | 195                     | 84                      | 113                       | 146                         | 34                          |
| 60 to 74                   | 238                     | 130                     | 171                       | 175                         | 28                          |
| 75 to 99                   | 330                     | 154                     | 241                       | 267                         | 54                          |
| 100 to 199                 | 519                     | 298                     | 542                       | 844                         | 149                         |
| 200 to 299                 | 92                      | 71                      | 132                       | 424                         | 136                         |
| 300 to 399                 | 27                      | 19                      | 38                        | 182                         | 107                         |
| 400 to 499                 | 4                       | 11                      | 13                        | 73                          | 79                          |
| 500 to 999                 | 2                       | 1                       | 8                         | 52                          | 75                          |
| 1,000 and over             | —                       | —                       | 1                         | 1                           | 2                           |
| <b>Total</b>               | <b>3,034</b>            | <b>1,521</b>            | <b>2,334</b>              | <b>3,634</b>                | <b>1,839</b>                |

ACCORDING TO SIZE OF HERD, ON 31 JANUARY 1930.

| Size of holding       |                       |                       |                        |                         |                         |                         |                         |                         |                         |
|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 30 acres and under 40 | 40 acres and under 50 | 50 acres and under 75 | 75 acres and under 100 | 100 acres and under 150 | 150 acres and under 200 | 200 acres and under 250 | 250 acres and under 320 | 320 acres and under 400 | 400 acres and under 500 |
| 571                   | 427                   | 672                   | 439                    | 784                     | 635                     | 606                     | 631                     | 574                     | 532                     |
| 610                   | 505                   | 835                   | 467                    | 701                     | 551                     | 541                     | 561                     | 469                     | 480                     |
| 293                   | 296                   | 456                   | 274                    | 375                     | 228                     | 222                     | 196                     | 160                     | 164                     |
| 226                   | 288                   | 497                   | 277                    | 368                     | 222                     | 193                     | 188                     | 156                     | 109                     |
| 131                   | 254                   | 638                   | 310                    | 416                     | 227                     | 168                     | 165                     | 119                     | 119                     |
| 65                    | 188                   | 638                   | 382                    | 446                     | 223                     | 174                     | 155                     | 127                     | 126                     |
| 35                    | 111                   | 538                   | 398                    | 519                     | 210                     | 185                     | 141                     | 100                     | 118                     |
| 18                    | 54                    | 460                   | 396                    | 523                     | 221                     | 150                     | 175                     | 116                     | 80                      |
| 13                    | 38                    | 470                   | 747                    | 1,067                   | 444                     | 316                     | 260                     | 189                     | 196                     |
| 7                     | 14                    | 221                   | 625                    | 1,387                   | 653                     | 461                     | 346                     | 281                     | 239                     |
| 1                     | 1                     | 58                    | 238                    | 1,333                   | 994                     | 594                     | 466                     | 343                     | 303                     |
| 1                     | —                     | 6                     | 41                     | 406                     | 794                     | 801                     | 695                     | 480                     | 490                     |
| —                     | —                     | —                     | 2                      | 4                       | 9                       | 23                      | 62                      | 88                      | 90                      |
| —                     | —                     | 1                     | —                      | —                       | 1                       | 1                       | 1                       | 15                      | 12                      |
| —                     | —                     | —                     | —                      | 1                       | —                       | 1                       | —                       | 1                       | 2                       |
| —                     | —                     | —                     | —                      | —                       | —                       | —                       | —                       | —                       | 1                       |
| —                     | —                     | —                     | —                      | —                       | —                       | —                       | —                       | —                       | —                       |
| <b>1,971</b>          | <b>2,170</b>          | <b>5,498</b>          | <b>4,596</b>           | <b>8,300</b>            | <b>5,412</b>            | <b>4,436</b>            | <b>4,046</b>            | <b>3,218</b>            | <b>3,069</b>            |

| Size of holding             |                             |                             |                              |                               |                               |                               |                               |                       | TOTAL OF ALL HOLDINGS |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|-----------------------|
| 3,000 acres and under 4,000 | 4,000 acres and under 5,000 | 5,000 acres and under 7,500 | 7,500 acres and under 10,000 | 10,000 acres and under 15,000 | 15,000 acres and under 20,000 | 20,000 acres and under 30,000 | 30,000 acres and under 50,000 | 50,000 acres and over |                       |
| 82                          | 40                          | 47                          | 35                           | 31                            | 22                            | 15                            | 4                             | 3                     | 19,061                |
| 51                          | 36                          | 43                          | 11                           | 14                            | 11                            | 10                            | 12                            | 5                     | 9,795                 |
| 15                          | 8                           | 17                          | 1                            | 6                             | 3                             | 3                             | 5                             | 1                     | 3,539                 |
| 10                          | 4                           | 9                           | 4                            | 6                             | 3                             | 1                             | 1                             | —                     | 3,082                 |
| 10                          | 9                           | 5                           | 3                            | 4                             | 3                             | 1                             | 1                             | 1                     | 3,012                 |
| 8                           | 4                           | 5                           | 1                            | 4                             | 2                             | 2                             | 2                             | 3                     | 2,921                 |
| 10                          | 2                           | 3                           | 1                            | 4                             | 1                             | 3                             | 1                             | 4                     | 2,693                 |
| 12                          | 6                           | 4                           | 2                            | 2                             | 3                             | 2                             | —                             | 1                     | 2,493                 |
| 13                          | 10                          | 6                           | 6                            | 9                             | 4                             | 5                             | 4                             | 1                     | 4,379                 |
| 18                          | 8                           | 5                           | 4                            | 5                             | 2                             | 2                             | 1                             | 1                     | 5,025                 |
| 21                          | 10                          | 10                          | 6                            | 7                             | 9                             | 2                             | 5                             | 1                     | 5,450                 |
| 50                          | 26                          | 38                          | 14                           | 18                            | 12                            | 5                             | 6                             | 7                     | 6,238                 |
| 69                          | 20                          | 17                          | 6                            | 13                            | 5                             | 5                             | 5                             | 4                     | 1,278                 |
| 45                          | 18                          | 18                          | 4                            | 4                             | 3                             | 5                             | 6                             | 4                     | 511                   |
| 47                          | 16                          | 21                          | 8                            | 1                             | 2                             | 1                             | 4                             | 2                     | 287                   |
| 94                          | 67                          | 63                          | 24                           | 12                            | 5                             | 5                             | 2                             | 5                     | 416                   |
| 4                           | 7                           | 27                          | 25                           | 21                            | 7                             | 6                             | 3                             | 6                     | 110                   |
| <b>559</b>                  | <b>291</b>                  | <b>338</b>                  | <b>155</b>                   | <b>161</b>                    | <b>97</b>                     | <b>73</b>                     | <b>62</b>                     | <b>49</b>             | <b>70,290</b>         |

## 37. — HERDS OF COWS IN MILK ON HOLDINGS,

| SIZE OF HERD OF COWS IN MILK | SIZE OF HOLDING          |                            |                             |                             |                             |
|------------------------------|--------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
|                              | 1 acre<br>and under<br>5 | 5 acres<br>and under<br>10 | 10 acres<br>and under<br>15 | 15 acres<br>and under<br>20 | 20 acres<br>and under<br>30 |
| 1 to 9 . . . . .             | 3,463                    | 3,563                      | 2,409                       | 1,184                       | 1,718                       |
| 10 to 19 . . . . .           | 4                        | 25                         | 122                         | 239                         | 769                         |
| 20 to 24 . . . . .           | 1                        | —                          | 3                           | 3                           | 49                          |
| 25 to 29 . . . . .           | —                        | 1                          | 1                           | —                           | 8                           |
| 30 to 34 . . . . .           | —                        | 1                          | 1                           | —                           | 3                           |
| 35 to 39 . . . . .           | —                        | —                          | —                           | 1                           | —                           |
| 40 to 44 . . . . .           | —                        | —                          | —                           | —                           | —                           |
| 45 to 49 . . . . .           | —                        | —                          | —                           | —                           | 1                           |
| 50 to 59 . . . . .           | —                        | —                          | —                           | —                           | —                           |
| 60 to 74 . . . . .           | —                        | —                          | —                           | —                           | —                           |
| 75 to 99 . . . . .           | —                        | —                          | —                           | —                           | —                           |
| 100 to 149 . . . . .         | —                        | —                          | —                           | —                           | —                           |
| 150 to 199 . . . . .         | —                        | —                          | —                           | —                           | —                           |
| 200 to 299 . . . . .         | —                        | —                          | —                           | —                           | —                           |
| 300 to 399 . . . . .         | —                        | —                          | —                           | —                           | —                           |
| 400 to 499 . . . . .         | —                        | —                          | —                           | —                           | —                           |
| 500 and over . . . . .       | —                        | —                          | —                           | —                           | —                           |
| Total . . . . .              | 3,468                    | 3,590                      | 2,536                       | 1,427                       | 2,548                       |

| SIZE OF HERD OF COWS IN MILK | SIZE OF HOLDING               |                               |                                 |                                   |                                   |
|------------------------------|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|-----------------------------------|
|                              | 500 acres<br>and under<br>640 | 640 acres<br>and under<br>750 | 750 acres<br>and under<br>1,000 | 1,000 acres<br>and under<br>2,000 | 2,000 acres<br>and under<br>3,000 |
| 1 to 9 . . . . .             | 1,594                         | 827                           | 1,340                           | 2,242                             | 672                               |
| 10 to 19 . . . . .           | 329                           | 170                           | 214                             | 308                               | 96                                |
| 20 to 24 . . . . .           | 91                            | 49                            | 67                              | 54                                | 7                                 |
| 25 to 29 . . . . .           | 81                            | 38                            | 51                              | 36                                | 12                                |
| 30 to 34 . . . . .           | 84                            | 29                            | 46                              | 58                                | 9                                 |
| 35 to 39 . . . . .           | 51                            | 21                            | 44                              | 34                                | 7                                 |
| 40 to 44 . . . . .           | 69                            | 27                            | 35                              | 43                                | 3                                 |
| 45 to 49 . . . . .           | 48                            | 17                            | 27                              | 20                                | 5                                 |
| 50 to 59 . . . . .           | 84                            | 43                            | 48                              | 62                                | 8                                 |
| 60 to 74 . . . . .           | 97                            | 47                            | 55                              | 63                                | 13                                |
| 75 to 99 . . . . .           | 88                            | 36                            | 46                              | 60                                | 17                                |
| 100 to 149 . . . . .         | 70                            | 28                            | 37                              | 63                                | 15                                |
| 150 to 199 . . . . .         | 17                            | 9                             | 7                               | 23                                | 3                                 |
| 200 to 299 . . . . .         | 15                            | 7                             | 13                              | 18                                | 3                                 |
| 300 to 399 . . . . .         | 2                             | 5                             | 3                               | 3                                 | 1                                 |
| 400 to 499 . . . . .         | 1                             | —                             | —                               | 1                                 | 3                                 |
| 500 and over . . . . .       | —                             | —                             | 1                               | 5                                 | 1                                 |
| Total . . . . .              | 2,719                         | 1,353                         | 2,034                           | 3,093                             | 835                               |

## ACCORDING TO SIZE OF HERD, ON 31 JANUARY 1930.

| SIZE OF HOLDING             |                             |                             |                              |                               |                               |                               |                               |                               |                               |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 30 acres<br>and under<br>40 | 40 acres<br>and under<br>50 | 50 acres<br>and under<br>75 | 75 acres<br>and under<br>100 | 100 acres<br>and under<br>150 | 150 acres<br>and under<br>200 | 200 acres<br>and under<br>250 | 250 acres<br>and under<br>320 | 320 acres<br>and under<br>400 | 400 acres<br>and under<br>500 |
| herds                       | herds                       | herds                       | herds                        | herds                         | herds                         | herds                         | herds                         | herds                         | herds                         |
| 861                         | 679                         | 1,160                       | 795                          | 1,431                         | 1,296                         | 1,285                         | 1,423                         | 1,349                         | 1,476                         |
| 724                         | 692                         | 1,178                       | 667                          | 994                           | 554                           | 497                           | 506                           | 384                           | 354                           |
| 188                         | 353                         | 814                         | 449                          | 575                           | 299                           | 212                           | 195                           | 130                           | 120                           |
| 60                          | 213                         | 755                         | 456                          | 605                           | 306                           | 187                           | 163                           | 115                           | 105                           |
| 25                          | 86                          | 658                         | 556                          | 716                           | 333                           | 212                           | 161                           | 129                           | 105                           |
| 6                           | 21                          | 357                         | 485                          | 606                           | 251                           | 175                           | 120                           | 87                            | 65                            |
| 1                           | 7                           | 195                         | 408                          | 714                           | 311                           | 229                           | 147                           | 109                           | 87                            |
| 1                           | 2                           | 79                          | 243                          | 357                           | 273                           | 152                           | 108                           | 67                            | 63                            |
| —                           | 1                           | 30                          | 257                          | 984                           | 508                           | 298                           | 198                           | 119                           | 90                            |
| —                           | —                           | 7                           | 71                           | 667                           | 557                           | 407                           | 278                           | 159                           | 127                           |
| —                           | —                           | 2                           | 11                           | 175                           | 387                           | 332                           | 236                           | 145                           | 103                           |
| —                           | —                           | —                           | —                            | 19                            | 96                            | 144                           | 181                           | 114                           | 84                            |
| —                           | —                           | —                           | —                            | —                             | 1                             | 6                             | 19                            | 29                            | 25                            |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | 1                             | 9                             | 7                             |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                             | —                             |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                             | —                             |
| —                           | —                           | —                           | —                            | —                             | —                             | —                             | —                             | —                             | —                             |
| 1,866                       | 2,054                       | 5,235                       | 4,398                        | 7,983                         | 5,152                         | 4,156                         | 3,736                         | 2,945                         | 2,811                         |

| SIZE OF HOLDING                   |                                   |                                   |                                    |                                     |                                     |                                     |                                     |                          | Total<br>of ALL<br>HOLDINGS |
|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-----------------------------|
| 3,000 acres<br>and under<br>4,000 | 4,000 acres<br>and under<br>5,000 | 5,000 acres<br>and under<br>7,500 | 7,500 acres<br>and under<br>10,000 | 10,000 acres<br>and under<br>15,000 | 15,000 acres<br>and under<br>20,000 | 20,000 acres<br>and under<br>30,000 | 30,000 acres<br>and under<br>50,000 | 50,000 acres<br>and over |                             |
| herds                             | herds                             | herds                             | herds                              | herds                               | herds                               | herds                               | herds                               | herds                    | herds                       |
| 381                               | 287                               | 242                               | 110                                | 108                                 | 69                                  | 50                                  | 45                                  | 36                       | 32,015                      |
| 52                                | 24                                | 39                                | 21                                 | 23                                  | 8                                   | 10                                  | 8                                   | 6                        | 9,027                       |
| 9                                 | 2                                 | 5                                 | 4                                  | 2                                   | 1                                   | 1                                   | —                                   | —                        | 3,653                       |
| 5                                 | 3                                 | 2                                 | 1                                  | 3                                   | 1                                   | 1                                   | —                                   | 1                        | 3,210                       |
| 3                                 | 2                                 | —                                 | —                                  | 1                                   | —                                   | 1                                   | —                                   | —                        | 3,219                       |
| 3                                 | —                                 | —                                 | —                                  | 1                                   | —                                   | —                                   | —                                   | —                        | 2,355                       |
| 2                                 | 1                                 | 2                                 | —                                  | 1                                   | —                                   | —                                   | —                                   | —                        | 2,391                       |
| —                                 | 2                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 1,665                       |
| 1                                 | 1                                 | 2                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 2,654                       |
| 2                                 | —                                 | 1                                 | 1                                  | —                                   | —                                   | —                                   | —                                   | —                        | 2,552                       |
| 1                                 | 2                                 | —                                 | 1                                  | 1                                   | —                                   | —                                   | —                                   | —                        | 1,643                       |
| 9                                 | 1                                 | 1                                 | —                                  | 1                                   | —                                   | 1                                   | —                                   | —                        | 854                         |
| 2                                 | 3                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | 1                        | 145                         |
| 3                                 | —                                 | 1                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 75                          |
| 1                                 | 1                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 16                          |
| —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 5                           |
| —                                 | —                                 | —                                 | —                                  | —                                   | —                                   | —                                   | —                                   | —                        | 7                           |
| 474                               | 249                               | 295                               | 138                                | 141                                 | 79                                  | 64                                  | 53                                  | 44                       | 65,456                      |

## 38. — FARM

| CLASSIFICATION  | Size of holding    |                      |                       |                       |                       |
|---|--------------------|----------------------|-----------------------|-----------------------|-----------------------|
|   | 1 acre and under 5 | 5 acres and under 10 | 10 acres and under 15 | 15 acres and under 20 | 20 acres and under 30 |
|   | number             | number               | number                | number                | number                |
| <b>MALES:</b>   |                    |                      |                       |                       |                       |
| Persons ordinarily engaged in farm work (1) . . . . . | 1,361              | 2,120                | 2,149                 | 1,492                 | 2,795                 |
| Other farm population . . . . .                       | 8,857              | 6,417                | 3,842                 | 2,026                 | 3,072                 |
| Total . . . . .                                       | 10,238             | 8,547                | 5,991                 | 3,518                 | 5,867                 |
| <b>FEMALES:</b>                                       |                    |                      |                       |                       |                       |
| Persons ordinarily engaged in farm work (1) . . . . . | 439                | 600                  | 489                   | 334                   | 622                   |
| Other farm population . . . . .                       | 10,836             | 7,545                | 5,390                 | 2,870                 | 4,967                 |
| Total . . . . .                                       | 10,477             | 8,145                | 5,879                 | 3,204                 | 5,589                 |
| <b>BOTH SEXES:</b>                                    |                    |                      |                       |                       |                       |
| Persons ordinarily engaged in farm work (1) . . . . . | 1,800              | 2,726                | 2,638                 | 1,826                 | 3,417                 |
| Other farm population . . . . .                       | 18,895             | 14,362               | 9,232                 | 4,896                 | 8,039                 |
| Total farm population . . . . .                       | 20,695             | 17,088               | 11,870                | 6,722                 | 11,456                |

| CLASSIFICATION  | Size of holding         |                         |                           |                             |                             |
|---|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
|   | 500 acres and under 640 | 640 acres and under 750 | 750 acres and under 1,000 | 1,000 acres and under 2,000 | 2,000 acres and under 3,000 |
|   | number                  | number                  | number                    | number                      | number                      |
| <b>MALES:</b>   |                         |                         |                           |                             |                             |
| Persons ordinarily engaged in farm work (1) . . . . . | 6,437                   | 3,376                   | 5,486                     | 9,635                       | 3,369                       |
| Other farm population . . . . .                       | 2,263                   | 1,180                   | 1,760                     | 2,962                       | 920                         |
| Total . . . . .                                       | 8,700                   | 4,556                   | 7,246                     | 12,597                      | 4,289                       |
| <b>FEMALES:</b>                                       |                         |                         |                           |                             |                             |
| Persons ordinarily engaged in farm work (1) . . . . . | 780                     | 434                     | 569                       | 850                         | 173                         |
| Other farm population . . . . .                       | 5,993                   | 3,882                   | 4,935                     | 8,227                       | 2,713                       |
| Total . . . . .                                       | 6,773                   | 4,316                   | 5,504                     | 9,077                       | 2,886                       |
| <b>BOTH SEXES:</b>                                    |                         |                         |                           |                             |                             |
| Persons ordinarily engaged in farm work (1) . . . . . | 7,217                   | 3,810                   | 6,055                     | 10,485                      | 3,542                       |
| Other farm population . . . . .                       | 8,256                   | 4,262                   | 6,695                     | 11,189                      | 3,633                       |
| Total farm population . . . . .                       | 15,473                  | 8,072                   | 12,750                    | 21,674                      | 7,175                       |

(1) Including working proprietors or managers and excluding temporary workers.

## POPULATION (1929-30).

| Size of holding       |                       |                       |                        |                         |                         |                         |                         |                         |                         |
|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 30 acres and under 40 | 40 acres and under 50 | 50 acres and under 75 | 75 acres and under 100 | 100 acres and under 150 | 150 acres and under 200 | 200 acres and under 250 | 250 acres and under 320 | 320 acres and under 400 | 400 acres and under 500 |
| number                | number                | number                | number                 | number                  | number                  | number                  | number                  | number                  | number                  |
| 2,416                 | 2,658                 | 7,452                 | 6,917                  | 13,882                  | 9,967                   | 8,339                   | 7,797                   | 6,425                   | 6,249                   |
| 2,126                 | 1,593                 | 4,564                 | 3,708                  | 6,667                   | 4,334                   | 3,468                   | 3,333                   | 2,432                   | 2,355                   |
| 4,542                 | 4,251                 | 12,016                | 10,625                 | 20,549                  | 14,301                  | 11,807                  | 11,130                  | 8,857                   | 8,604                   |
| 485                   | 575                   | 1,636                 | 1,469                  | 2,666                   | 1,856                   | 1,435                   | 1,303                   | 946                     | 842                     |
| 3,478                 | 3,679                 | 9,133                 | 7,790                  | 14,578                  | 9,660                   | 8,007                   | 7,527                   | 6,945                   | 6,013                   |
| 3,963                 | 4,254                 | 10,769                | 9,259                  | 17,244                  | 11,516                  | 9,442                   | 6,839                   | 6,991                   | 6,857                   |
| 2,901                 | 3,233                 | 9,088                 | 8,386                  | 16,568                  | 11,823                  | 9,774                   | 9,100                   | 7,371                   | 7,091                   |
| 5,604                 | 5,672                 | 13,697                | 11,498                 | 21,245                  | 13,994                  | 11,475                  | 10,860                  | 8,477                   | 8,366                   |
| 8,505                 | 8,905                 | 22,785                | 19,844                 | 37,813                  | 25,817                  | 21,349                  | 19,960                  | 15,848                  | 15,459                  |

| Size of holding             |                             |                             |                              |                               |                               |                               |                               |                       | TOTAL OF ALL HOLDINGS |
|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|-----------------------|
| 3,000 acres and under 4,000 | 4,000 acres and under 5,000 | 5,000 acres and under 7,500 | 7,500 acres and under 10,000 | 10,000 acres and under 15,000 | 15,000 acres and under 20,000 | 20,000 acres and under 30,000 | 30,000 acres and under 50,000 | 50,000 acres and over |                       |
| number                      | number                      | number                      | number                       | number                        | number                        | number                        | number                        | number                | number                |
| 2,138                       | 1,194                       | 1,598                       | 855                          | 961                           | 514                           | 440                           | 471                           | 802                   | 119,321               |
| 476                         | 297                         | 372                         | 212                          | 140                           | 83                            | 74                            | 87                            | 85                    | 70,195                |
| 2,614                       | 1,491                       | 1,970                       | 1,067                        | 1,101                         | 597                           | 514                           | 558                           | 887                   | 189,516               |
| 85                          | 41                          | 53                          | 28                           | 14                            | 6                             | 13                            | 10                            | 9                     | 18,800                |
| 1,613                       | 872                         | 1,059                       | 563                          | 541                           | 252                           | 196                           | 166                           | 212                   | 137,544               |
| 1,696                       | 913                         | 1,112                       | 591                          | 555                           | 258                           | 209                           | 176                           | 221                   | 136,344               |
| 2,221                       | 1,235                       | 1,651                       | 883                          | 975                           | 520                           | 453                           | 461                           | 811                   | 138,121               |
| 2,089                       | 1,169                       | 1,431                       | 775                          | 681                           | 335                           | 270                           | 253                           | 297                   | 207,649               |
| 4,310                       | 2,404                       | 3,082                       | 1,658                        | 1,656                         | 855                           | 723                           | 734                           | 1,108                 | 345,770               |

C — DETAILS ACCORDING TO PURPOSE  
OF HOLDING

(EXCLUDING BOROUGHES)

## 39. — NUMBER OF HOLDINGS ACCORDING TO TENURE.

| CLASSIFICATION                         | Dairy farming | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|--|---------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|  | number        | number                   | number                        | number                     | number                | number             | number                |
| Freehold . . . . .                     | 22,417        | 8,739                    | 2,718                         | 3,339                      | 1,727                 | 13,947             | 53,487                |
| Crown lease . . . . .                  | 3,100         | 3,503                    | 811                           | 1,098                      | 480                   | 2,919              | 11,901                |
| Private lease . . . . .                | 3,890         | 657                      | 309                           | 347                        | 264                   | 1,583              | 7,059                 |
| Public bodies lease . . . . .          | 364           | 150                      | 43                            | 51                         | 38                    | 258                | 906                   |
| Māori lease . . . . .                  | 647           | 335                      | 5                             | 99                         | 7                     | 249                | 1,342                 |
| Mixed leaseholds . . . . .             | 244           | 235                      | 49                            | 63                         | 40                    | 98                 | 729                   |
| Mixed freehold and leasehold . . . . . | 2,639         | 3,556                    | 740                           | 1,294                      | 414                   | 1,103              | 9,752                 |
| <b>Total . . . . .</b>                 | <b>33,301</b> | <b>17,255</b>            | <b>4,681</b>                  | <b>6,803</b>               | <b>2,970</b>          | <b>20,157</b>      | <b>85,167</b>         |

## 40. — AREA OF HOLDINGS ACCORDING TO TENURE.

| CLASSIFICATION                         | Dairy farming    | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|--|------------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|  | acres            | acres                    | acres                         | acres                      | acres                 | acres              | acres                 |
| Freehold . . . . .                     | 2,260,122        | 8,696,929                | 1,127,243                     | 1,481,270                  | 244,529               | 2,061,507          | 15,831,600            |
| Crown lease . . . . .                  | 368,572          | 7,216,456                | 298,518                       | 364,147                    | 53,704                | 1,846,521          | 10,147,896            |
| Private lease . . . . .                | 342,748          | 366,624                  | 92,867                        | 92,480                     | 29,251                | 149,430            | 1,075,400             |
| Public bodies lease . . . . .          | 25,089           | 214,932                  | 15,124                        | 16,871                     | 4,788                 | 21,622             | 299,426               |
| Māori lease . . . . .                  | 81,610           | 506,903                  | 760                           | 37,948                     | 947                   | 94,828             | 722,216               |
| Mixed leaseholds . . . . .             | 27,591           | 396,207                  | 19,678                        | 32,671                     | 6,869                 | 54,526             | 537,542               |
| Mixed freehold and leasehold . . . . . | 378,914          | 12,315,195               | 437,833                       | 775,753                    | 81,343                | 767,531            | 14,754,571            |
| <b>Total . . . . .</b>                 | <b>3,494,646</b> | <b>29,673,226</b>        | <b>1,992,023</b>              | <b>2,801,162</b>           | <b>421,431</b>        | <b>4,996,165</b>   | <b>43,368,653</b>     |

## 41. — DISTRIBUTION OF TOTAL AREA OCCUPIED.

| CLASSIFICATION  | Dairy farming    | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|---|------------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|   | acres            | acres                    | acres                         | acres                      | acres                 | acres              | acres                 |
| ARABLE AND OTHER CULTIVATED LAND (1) . . . . .                    | 365,055          | 529,369                  | 588,404                       | 115,646                    | 128,484               | 68,139             | 1,795,107             |
| <i>of which wheat for threshing, including striping</i> . . . . . | 407              | 8,353                    | 195,077                       | 420                        | 39,623                | 1,062              | 235,942               |
| SOFT PASTURE, PLANTATIONS AND OTHER AREAS:                        |                  |                          |                               |                            |                       |                    |                       |
| Sown pastures (not cut for seed, hay or silage) . . . . .         | 2,423,816        | 10,545,123               | 1,066,655                     | 1,793,545                  | 245,011               | 778,798            | 16,872,948            |
| Plantations . . . . .   | 7,309            | 34,541                   | 8,189                         | 4,305                      | 1,000                 | 233,675            | 289,020               |
| Other areas (2) . . . . .   | 688,456          | 18,564,193               | 308,775                       | 897,665                    | 46,936                | 3,915,553          | 24,411,578            |
| <b>Total . . . . .</b>  | <b>3,119,581</b> | <b>29,143,857</b>        | <b>1,403,619</b>              | <b>2,695,516</b>           | <b>292,947</b>        | <b>4,328,026</b>   | <b>41,373,546</b>     |
| <b>General total . . . . .</b>                                    | <b>3,494,646</b> | <b>29,673,226</b>        | <b>1,992,023</b>              | <b>2,801,162</b>           | <b>421,431</b>        | <b>4,996,165</b>   | <b>43,368,653</b>     |

(1) Not including fallow land (acres 124,565). — (2) Including fallow land (acres 124,565).

## 42. — CHIEF FARM MACHINES ON 31 JANUARY 1930.

| CLASSIFICATION  | Dairy farming | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|---|---------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|   | number        | number                   | number                        | number                     | number                | number             | number                |
| <b>POWER MACHINERY:</b>                                     |               |                          |                               |                            |                       |                    |                       |
| Internal-combustion engines . . . . .                       | 8,170         | 5,662                    | 709                           | 5,072                      | 565                   | 991                | 19,169                |
| Electric motors . . . . .                                   | 10,369        | 2,097                    | 768                           | 1,947                      | 848                   | 427                | 16,456                |
| Agricultural tractors . . . . .                             | 405           | 1,591                    | 1,142                         | 290                        | 219                   | 244                | 5,891                 |
| <b>MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS:</b> |               |                          |                               |                            |                       |                    |                       |
| Milking machines . . . . .                                  | 15,694        | 336                      | 66                            | 3,285                      | 800                   | 234                | 20,415                |
| Shearing machines . . . . .                                 | 79            | 5,753                    | 605                           | 860                        | 46                    | 42                 | 7,394                 |

## 43. — POWER OF CHIEF FARM MACHINES ON 31 JANUARY 1930.

| CLASSIFICATION  | Dairy farming | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|---|---------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|   | Nominal H. P. | Nominal H. P.            | Nominal H. P.                 | Nominal H. P.              | Nominal H. P.         | Nominal H. P.      | Nominal H. P.         |
| <b>POWER MACHINERY:</b>                                     |               |                          |                               |                            |                       |                    |                       |
| Internal-combustion engines . . . . .                       | 22,342        | 20,364                   | 2,402                         | 9,111                      | 1,602                 | 2,731              | 58,552                |
| Electric motors . . . . .                                   | 18,512        | 5,663                    | 836                           | 3,417                      | 1,383                 | 827                | 28,638                |
| Agricultural tractors . . . . .                             | 6,705         | 25,059                   | 15,719                        | 4,862                      | 3,081                 | 3,791              | 59,217                |
| <b>MACHINERY FOR THE PREPARATION OF LIVESTOCK PRODUCTS:</b> |               |                          |                               |                            |                       |                    |                       |
| Milking machines . . . . .                                  | (1) 54,996    | (1) 1,181                | (1) 214                       | (1) 12,194                 | (1) 2,813             | (1) 799            | (1) 72,147            |
| Shearing machines . . . . .                                 | (2) 170       | (2) 17,613               | (2) 1,407                     | (2) 2,071                  | (2) 109               | (2) 112            | (2) 21,482            |

(1) Number of cows capable of being milked simultaneously. — (2) Number of studs.

## 44. — TOP-DRESSING (Twelve months ending 31 January 1930).

| CLASSIFICATION             | Dairy farming | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|----------------------------|---------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|                            | acres         | acres                    | acres                         | acres                      | acres                 | acres              | acres                 |
| Area top-dressed . . . . . | 1,288,636     | 770,467                  | 100,009                       | 389,694                    | 39,162                | 62,700             | 2,650,748             |

## 45. — PRINCIPAL CATEGORIES OF LIVESTOCK ON HOLDINGS ON 31 JANUARY 1930.

| CLASSIFICATION                   | Dairy farming | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|----------------------------------|---------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|                                  | number        | number                   | number                        | number                     | number                | number             | number                |
| Horses . . . . .                 | 77,165        | 105,915                  | 35,882                        | 52,499                     | 13,844                | 18,794             | 284,199               |
| <b>CATTLE:</b>                   |               |                          |                               |                            |                       |                    |                       |
| Dairy cows 2 years old and over: |               |                          |                               |                            |                       |                    |                       |
| in milk . . . . .                | 982,591       | 63,991                   | 17,640                        | 222,966                    | 50,310                | 31,527             | 1,369,025             |
| dry . . . . .                    | 19,059        | 10,288                   | 947                           | 12,929                     | 1,289                 | 3,438              | 47,950                |
| Total . . . . .                  | 1,001,650     | 74,279                   | 18,587                        | 235,895                    | 51,599                | 34,965             | 1,416,575             |
| Other cattle . . . . .           | 545,528       | 1,326,650                | 37,136                        | 290,241                    | 39,505                | 77,225             | 2,316,285             |
| Total cattle . . . . .           | 1,547,178     | 1,400,929                | 55,723                        | 526,136                    | 91,104                | 112,189            | 3,732,258             |
| Sheep (1) . . . . .              | 86,377        | 22,385,387               | 2,155,910                     | 2,074,328                  | 246,843               | 50,565             | 26,999,410            |
| Lambs tailed (1) . . . . .       | 56,897        | 11,622,342               | 1,678,408                     | 1,299,595                  | 195,072               | 33,285             | 14,887,599            |
| Pigs . . . . .                   | 324,207       | 21,240                   | 11,570                        | 69,239                     | 22,062                | 31,815             | 480,133               |

(1) Season 1929-30.

## 46. — FARM POPULATION (1929-30).

| CLASSIFICATION  | Dairy farming | Sheep and cattle grazing | Mixed agriculture and grazing | Mixed dairying and grazing | General mixed farming | All other purposes | TOTAL OF ALL HOLDINGS |
|---|---------------|--------------------------|-------------------------------|----------------------------|-----------------------|--------------------|-----------------------|
|   | number        | number                   | number                        | number                     | number                | number             | number                |
| <b>MALES:</b>   |               |                          |                               |                            |                       |                    |                       |
| Persons ordinarily engaged in farm work (1) . . . . . | 46,824        | 53,855                   | 9,352                         | 13,532                     | 4,855                 | 10,903             | 119,321               |
| Other farm population . . . . .                       | 35,791        | 10,154                   | 3,445                         | 6,039                      | 2,692                 | 13,984             | 70,105                |
| Total . . . . .                                       | 82,615        | 64,009                   | 12,797                        | 19,571                     | 7,547                 | 24,887             | 189,426               |
| <b>FEMALES:</b>                                       |               |                          |                               |                            |                       |                    |                       |
| Persons ordinarily engaged in farm work (1) . . . . . | 10,699        | 2,274                    | 691                           | 2,790                      | 816                   | 1,530              | 18,800                |
| Other farm population . . . . .                       | 59,786        | 29,507                   | 9,445                         | 13,203                     | 6,020                 | 19,583             | 137,544               |
| Total . . . . .                                       | 70,485        | 31,781                   | 10,136                        | 15,993                     | 6,836                 | 21,113             | 156,344               |
| <b>BOTH SEXES:</b>                                    |               |                          |                               |                            |                       |                    |                       |
| Persons ordinarily engaged in farm work (1) . . . . . | 57,523        | 56,129                   | 10,043                        | 16,322                     | 5,671                 | 12,433             | 138,121               |
| Other farm population . . . . .                       | 95,577        | 39,661                   | 12,890                        | 19,242                     | 8,712                 | 33,567             | 207,649               |
| TOTAL FARM POPULATION . . . . .                       | 153,100       | 95,790                   | 22,933                        | 35,564                     | 14,383                | 46,000             | 345,770               |

(1) Including working proprietors or managers and excluding temporary workers.



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