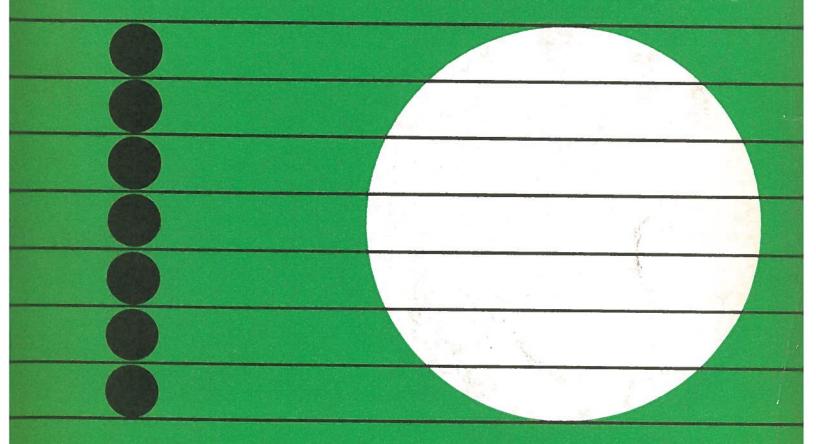
1970 WORLD CENSUS OF AGRICULTURE

REGIONAL PROGRAM FOR AFRICA



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FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

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PREFACE

The Thirteenth Session of the FAO Conference, in its Resolution No. 3/65 on the 1970 World Census of Agriculture, emphasized the role and the importance of agricultural censuses in development planning and in improving current agricultural statistics, and approved for distribution among Member Nations of the Organization and nonmembers the Program for the 1970 World Census of Agriculture, as finalized by the Statistics Advisory Committee.

The 1970 World Census Program covers a great variety of conditions in different parts of the world. Within the framework of this Program regional census programs have been prepared. The Regional Program for Africa consists of two parts:

I — World Program

II — African Supplement to the World Program The aim of the Supplement is to indicate modifications in the World Program to adapt it to the conditions and needs prevailing in the African region. The Supplement has been prepared on the basis of recommendations obtained from the Third Session of the African Commission on Agricultural Statistics, held in Kampala (Uganda), 7-23 December 1966. The Conference recommended a number of additions and modifications required to obtain within-regional comparability of items where it would not be possible to achieve worldwide comparability.

As in 1960, the items proposed in the present Program are printed in two distinct types, **bold** and ordinary. The list consisting of those items printed in **bold type**, whether in the World Program or in the Supplement, is called the "Short List." The "Expanded List" consists of all items whether printed in bold or ordinary type.

The Short List items are considered to be of major importance in the world and/or regional agriculture and data on these items are desired to be collected from all African countries. However, no country is expected to collect information concerning an item which is of little or no importance to the country itself, even though that item is included in the Short List. The items in the Expanded List, which are not in the Short List, are those which the countries may wish to add to the Short List according to their needs and conditions when making their census plans.

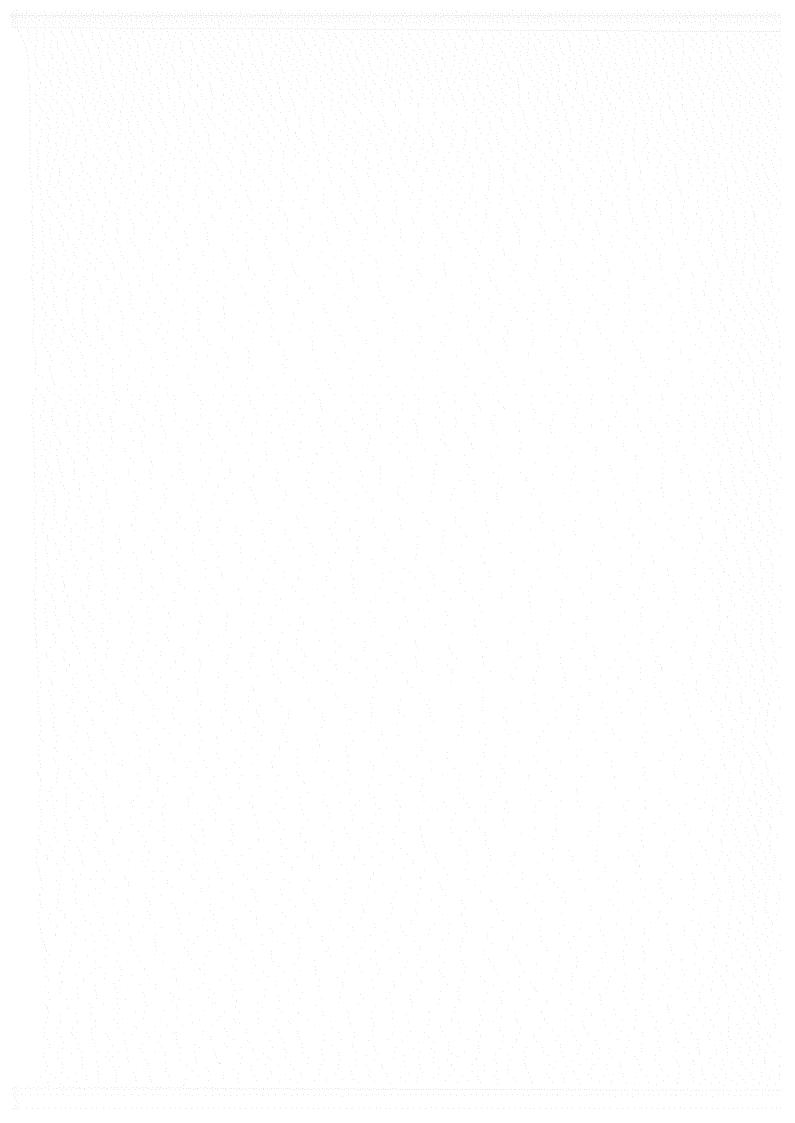
The Regional Program consists of 11 sections numbered from 0 to 10. Sections 6, 7 and 10 of the World Program remain unchanged for the African region and, accordingly, no mention is made of these sections in the Supplement. In order to facilitate reading of this Regional Program, additions and modifications to the World Program outlined in the Supplement are indicated hereafter.

Location in the World Program	Subject		ions or modification the Supplement	ons
Page		Page	Column	Line
3	Complete enumeration censuses and sample censuses	85	1	*10
7	Time reference	85	2	3
8	Tabulation of results	85	2	18
10	Simultaneous enumeration for the agricultural and population censuses 1	85	2	*12
11	Additional group 1	87	1	2
11	Modification of Group 02.3 and its subdivision	87	1	13
11	Subdivision of Group 03.1	87	1	24
11	Number of fields constituting the holding 1	87	2	1
13	Identification of the holder, hired manager and respondent !	87	2	14
13	Total area of the holding	87	2	*13
15	Area of the holding operated under tribal forms of tenure 1	87	2	*8
17, 19-20	Tables 0.3, 0.4, 0.6(a) (new) and 0.7	88-90	_	_
21	Subdivision of Group 11.9	91	1	2
21	Subdivision of Group 15.9	91	1	*6
23-24	Tables 1.1 and 1.2	92-93		
27	Subdivision of item 21.13	94	1	2
27	Subdivision of subitem 21.15(b)	94	1	9
26-31	Items to estimate areas of specific crops	94	2	1
35-36	Tables 2.1 and 2.2	95-96	_	
37	Transfer from the Expanded List to the Short List 1	97	1	17
37, 39	Additional subdivision of Groups 32., 34., 35. and 36	97	1	2
40	Improved stock 1	97	1	*3
42, 45-47	New Tables 3.3(a), 3.8(a), 3.9(a), 3.10(a) and Table 3.13	98-100		•
49	Subdivision of subitems 42.13(a), 42.13(b) and 42.13(c)	101	1	2
51	Age groups 1	101	1	*5
53	Table 4.2(a) (new)	102		,
56	Additional subdivision 1	103	1	2
56	Persons to be included as members of the holder's household 1	103	1	*15
56	Temporary visitors !	103	2	*14
56	Age groups 1	103	2	*3
57	Table 5.2		1	3
57	Table 5.3 (new)	104 104	'	3
67	Wood ash 1	105	-	3
69	Deletion of Group 91.4	105	<u> </u>	*3
70	Wood for construction purposes 1		2	*6
	The second details and purposes and the second seco	105	2	•

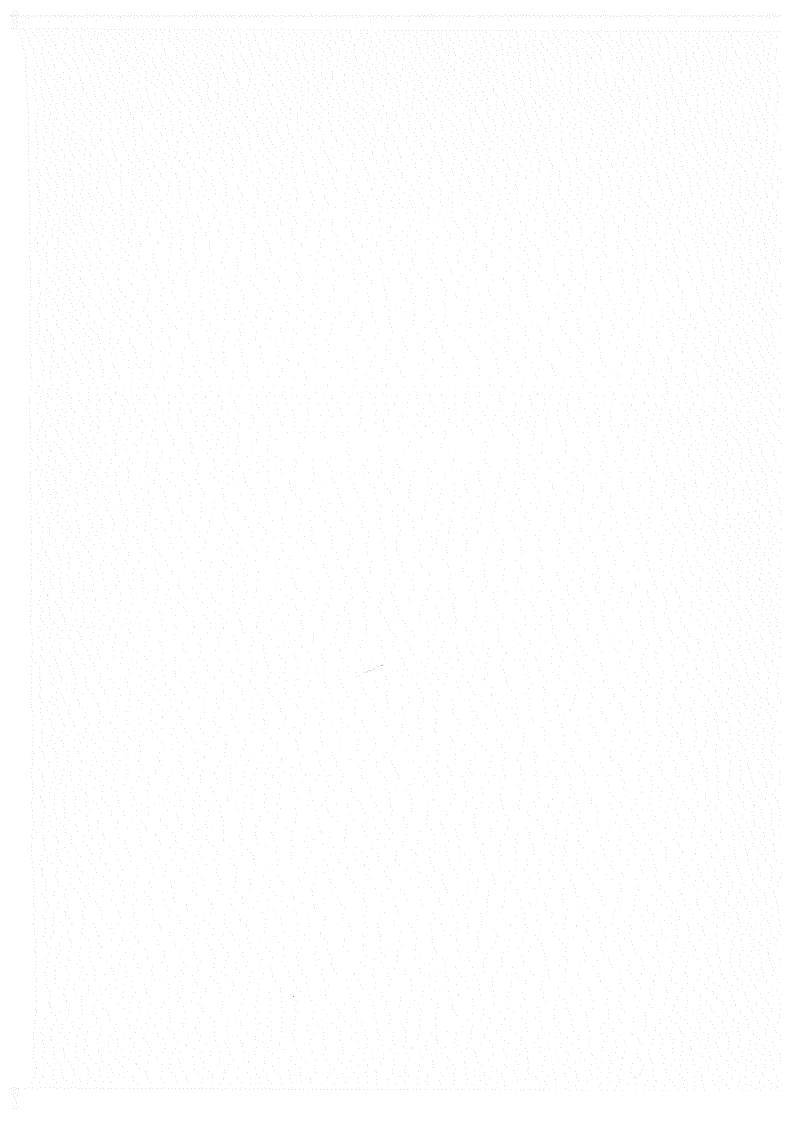
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 Subject not mentioned specifically in the World Program.

CONTENTS

Preface	v
I - World Program	
Introduction	1
Section 0 — Holding, holder, tenure and type of holding	11
Section 1 — Land utilization	
Section 2 — Crops	
Section 3 — Livestock and poultry	37
Section 4 — Employment in agriculture	48
Section 5 — Farm population	56
Section 6 — Agricultural power and machinery and general transport facilities	58
Section 7 — Irrigation and drainage	65
Section 8 — Fertilizers and soil dressings	67
Section 9 — Wood and fishery products	69
Section 10 — Association of agricultural holdings with other industries	
Appendix — Alphabetical list of crops with botanical names	76
II African Supplement to the World December	
II - African Supplement to the World Program	
Introduction	
Section 0 — Holding, holder, tenure and type of holding	87
Section 1 — Land utilization	
Section 2 — Crops	94
Section 3 — Livestock and poultry	97
Section 4 — Employment in agriculture	
Section 5 — Farm population	103
Section 8 — Fertilizers and soil dressings	105
Section 9 — Wood and fishery products	105



I - WORLD PROGRAM



INTRODUCTION

A. Nature and purpose of the program

The countries which have joined together to form FAO have recognized the importance of agricultural statistics in carrying out the various purposes of the Organization, namely, to raise levels of nutrition, to improve the production and the distribution of food and other agricultural products and in general to better the conditions of rural populations. For these reasons they have given a position of great importance to agricultural statistics in the work of the Organization. Agricultural censuses are one of the main sources of agricultural statistics.

An agricultural census is a government-sponsored operation for the collection of quantitative information on agricultural structure, using as unit of enumeration the agricultural holding and covering the whole country within a single agricultural year. The coverage of the country may be achieved either by complete enumeration or by sampling. Enumeration may be done by interview, mail collection of census data or by objective procedures, such as measurements of areas, counting of livestock or by any combination of these methods.

The agricultural census results provide a bench mark against which future agricultural development is to be measured. Hence, the census results form the basic data for planning, formulating and appraising agricultural development projects. Agricultural censuses offer an excellent base and framework for planning surveys to secure agricultural statistics; its data can also be used as a bench mark and as supplementary information for improving the precision of current agricultural statistics. Technical and organizational training of the personnel required for carrying out the agricultural census can be exploited for the purpose of organizing other agricultural statistics. In countries where no statistical organization exists to collect agricultural statistics data, the trained census staff may be a nucleus for gradually developing a permanent agricultural statistical system.

The Eleventh Session of the FAO Conference, held in 1961, stressed "the need for an early beginning with preparations for the 1970 World Census of Agriculture and requested the Director-General to

include appropriate proposals in the Program of Work for 1964-65."

FAO's Statistics Advisory Committee, which met from 30 September to 11 October 1963, further stressed the desirability of early preparations for the 1970 World Census of Agriculture so as to leave sufficient time for countries to prepare their national plans.

A Draft Program for the 1970 World Census of Agriculture has been prepared as a first step to implement the above-mentioned directive of the Eleventh Session of the FAO Conference and has been submitted to governments for comments and discussions in the regional statisticians' meetings. Such meetings have been held in Addis Ababa for Africa, in Baghdad for the Near East, in Bangkok for Asia and the Far East, in Geneva for Europe, and in Washington, D.C. for the Western Hemisphere.

After consideration at regional meetings, the Program was finalized on the basis of reports from these meetings by FAO's Statistics Advisory Committee in March 1965 and was submitted for approval to the FAO Conference at its Thirteenth Session in November 1965.

In preparing the present Program, the importance of continuity and comparability with the 1960 and 1950 censuses has been kept in mind. At the same time, an effort has been made to take into account the new developments in agriculture. Certain items have been added and changes have been made on the basis of the experience gained in the 1960 Census.

Among the additions are suggestions to permit the classification of agricultural holdings according to type, i.e., whether they are holdings producing mainly for home consumption or for sale, subclassified further into:

- (a) crop holdings;
- (b) livestock and poultry holdings;
- (c) mixed holdings; and
- (d) others.

Very few countries have undertaken the successive surveys on agricultural employment suggested in the 1960 Program. The present Program proposes the collection of some simple basic information on this topic which it is believed should be possible in all countries. However, the 1960 proposals are repeated for those countries able to undertake successive surveys of agricultural employment.

Still another suggestion is that countries ascertain whether or not agricultural holdings are associated with industry. This phenomenon is of particular importance in several countries and has far-reaching social and economic consequences. Therefore, a section (No. 10) has been added to the Program.

While preparing the Program, the varying conditions of different regions and countries have been kept in mind. For this reason, most of the new items and tabulations proposed have been deliberately left optional so that countries can select those items and those tabulations most appropriate to their conditions.

B. Outline

The Program includes the following sections corresponding to the main subjects proposed for inclusion in the World Census of Agriculture:

- 0 HOLDING, HOLDER, TENURE AND TYPE OF HOLDING
- 1 LAND UTILIZATION
- 2 CROPS
- 3 LIVESTOCK AND POULTRY
- 4 EMPLOYMENT IN AGRICULTURE
- 5 FARM POPULATION
- 6 AGRICULTURAL POWER AND MA-CHINERY AND GENERAL TRANSPORT FACILITIES
- 7 IRRIGATION AND DRAINAGE
- 8 FERTILIZERS AND SOIL DRESSINGS
- 9 WOOD AND FISHERY PRODUCTS
- 10 ASSOCIATION OF AGRICULTURAL HOLDINGS WITH OTHER INDUSTRIES

Each section of the Program has been made more or less self-contained. The contents of each section are subdivided as follows:

- (i) Introduction
- (ii) Proposed census items
- (iii) Definition of census items and explanatory notes
- (iv) Tabulation plans

C. Scope of the 1970 World Census of Agriculture

The 1970 World Census of Agriculture envisages that each government will obtain, as far as possible, accurate and comparable information on the structure of its agriculture. The Program therefore includes proposals relating to:

- 1. the number of agricultural holdings and their principal characteristics, such as size, form of tenure, utilization of the land by broad classes, type of holding (whether producing mainly for home consumption or for sale, etc.);
- 2. the area under crops and the volume of production of the principal crops;
- 3. the number of livestock and the volume of production of some livestock products;
- 4. the number and characteristics of persons employed in agriculture, the extent to which the work on holdings is carried on by the households of the holders or by hired agricultural workers:
- 5. the number and some characteristics of the farm population;
- the number of agricultural machines owned, the use of agricultural machinery under different arrangements and availability of transport facilities;
- 7. irrigation and drainage;
- 8. the use of fertilizers and soil dressings;
- 9. wood and fishery products obtained from agricultural holdings;
- 10. the extent to which agriculture is associated with other industries.

Provision has been made in this Program for the enumeration of a large number of items so as to promote comparability of data in case countries enumerate such items in their census. It should be emphasized, however, that in the interest of economy, of facility of administration, and accuracy of essential items, it is necessary to restrict the scope of national censuses to major items, particularly in those countries which do not have a fairly long tradition of census taking.

D. Coverage

The Program for the 1970 World Census of Agriculture proposes that all types of agricultural holdings be covered, whether producing primarily for sale or for consumption by the holder and his family. Tribal and other groups, which may be outside of the normal marketing system, are also to be included.

Ideally, the census should include all agricultural holdings in a country, whatever their size and wherever located, whether in rural or urban areas. Practical considerations, however, often make it necessary to limit the enumeration to those holdings which conform to certain recognized criteria and which fall above certain lower limits as to size of holding, size of operation, or both. No uniform minimum limits in respect of area, volume of output, number of livestock, or number of trees are suggested, for

these will vary from country to country. But in view of the large number of small holdings in many countries and their considerable contribution to the production of some important foods, it is strongly recommended that the minimum limits be made as low as possible.

In any event, special surveys and studies should be undertaken to estimate efficiently the main census items on holdings below the minimum size adopted in the census. Data on holdings below these limits might be also collected by asking from such holdings much simpler information than from those included in the census proper.

E. Methods

COMPLETE ENUMERATION CENSUSES AND SAMPLE CENSUSES

The 1970 World Census of Agriculture envisages in principle the collection of data directly from all individual holdings by complete enumeration. This is the procedure which corresponds to the needs and traditions of many countries. Complete enumeration is essential in cases where:

- (a) data are needed for small administrative units as a basis for regional planning such as, e.g., agrarian reform schemes, rural electrification schemes or other forms of local improvements;
- (b) the census figures should provide bench mark information for current agricultural statistics;
- (c) adequate information should be obtained from the census on phenomena which occur rather rarely, such as the crops which occupy relatively minor acreage but are commercially important.

The taking of a complete enumeration census is a very large operation. A vast organization is required to cover the whole country without omission or duplication. It demands the employment of a large number of enumerators who are able to understand the various definitions and instructions. In a country where the average level of education is low this may be a most serious problem. Moreover, there must be adequate transportation facilities to transport all necessary census materials in time for enumeration. Important sums of money are needed for the printing of immense quantities of documents, for the adequate training and payment of staff, and for processing the returns of the census.

In some countries many holders may be unable to supply a large part of the information investigated in the census, so that this should be collected by applying objective methods. In such cases complete enumeration is not feasible. It must be replaced by a sample census, that is, a census restricted to an adequately selected sample of agricultural holdings.

Other countries may not have the necessary funds, personnel and facilities to prepare and carry out the operations required for a complete enumeration census. Frequently, in such countries the development planning in agriculture is only at its initial stage. The targets of the plan are then set out broadly and the census data required for planning purposes are sufficient if these are available at the national level or for large areas of the country. In all such cases sample censuses can be effectively used as substitutes for complete enumeration censuses provided that they are properly designed and carried out. However, planning and taking of a sample census is generally more complicated than that of complete enumeration and calls for even more intensive preparations. An efficient use of sampling methods requires a good knowledge of the sampling theory and skill in its application. The sample census must therefore be designed by someone who is thoroughly conversant with the sampling theory and its application.

In some situations sample censuses can provide data with greater accuracy than complete enumeration, owing to the possibility of reducing the extent of the nonsampling errors as results of:

- (a) the use of a smaller number of enumerators, which makes it possible to select those having better qualifications and to give them more intensive training and closer supervision;
- (b) introducing objective methods of enumeration, such as measuring areas, weighing of crops from small plots, etc., as a safeguard against biases. The use of these methods may be particularly important for developing countries.

Although consideration has been given above to the choice between a sample census and a complete enumeration census, both methods of enumeration can be combined in practice. For example, information regarding some items can be collected from all agricultural holdings covered by the census, while the other information can be collected only from a sample of holdings; during the sample census some categories of agricultural holdings, such as, for instance, large agricultural holdings or holdings of a special pattern may be enumerated completely. Sampling methods can also be used in an agricultural census for the purposes mentioned below.

SAMPLING METHODS FOR BROADENING THE SCOPE OF THE CENSUS

Experience shows that the quality of data is directly affected by the size of the questionnaire. A long

questionnaire is apt to tire both the agricultural holder and the enumerator and consequently may result in inaccurate returns. Broadening the national census program can be realized through the judicious use of sampling methods. For this purpose the scope of the census may be divided into two parts, one to be carried out by means of complete enumeration, and the other through sample enumeration. Such an approach leads also to savings of costs of enumeration and processing by reducing the number of entries in the census schedules of the complete enumeration.

The precise parts of the Program to be obtained through sampling and through complete enumeration will depend on the nature of the specific items and the uses for which the data are intended, as well as upon the conditions in each country. Generally, complete enumeration should be limited to items which are needed for tabulation by administrative or other limited areas for the purposes of regional planning and administration or to items for which the sufficiently accurate data cannot be obtained from the sample enumeration.

AUXILIARY AND CHANGE SAMPLE SURVEYS

The value of conducting surveys during the census year which could be linked with the results of the census should be stressed. Two cases are specially mentioned here: (i) estimation of information required to complete the coverage of the census; and (ii) evaluation of changes in figures subjected to seasonal variations.

The first problem was already considered in paragraph D above. Auxiliary sample surveys covering holdings below the minimum limits adopted for the census may be the way to obtain information regarding main census items.

Employment in agriculture may be an example of the phenomenon being subject to large seasonal variations. Therefore, the 1970 Program suggests that a survey of agricultural employment be conducted at various times during the census year and linked with the census. The same procedure could be followed for other items such as livestock and poultry numbers, which have important seasonal variation. In these cases, attention is called to the need for the use of sampling techniques.

Use of sampling methods in pilot censuses and pretesting surveys

Pilot censuses and pretesting surveys (see also page 6) can be carried out on a sample basis only. Two different cases might be considered when planning such surveys: (a) where the aim of testing is to obtain some quantitative measures on the basis

of which some decisions would be taken regarding the census itself; and (b) where no quantitative measures are expected from data obtained by the tests. In the former case (a), a sample for the purposes of the pilot census or the pretesting survey should be randomly selected. This, for instance, is the only way to estimate some parameters required for the decision on the best design in case the census itself is taken on a sample basis. The results of such a pilot census can give unbiased estimates of the census costs, the time required for different census operations, and some other quantitative measures needed for comparing the effectiveness of different procedures. The other case (b) will occur, e.g., if the aim is to check the questionnaires, the definitions and the instructions for the cases of specific conditions in agricultural holdings without deriving any quantitative conclusions. Then, purposively selected areas or holdings might be investigated. However, caution should be taken in order not to introduce biases of great significance for the problems investigated if nonrandom sampling is used in a pretesting survey.

Sampling methods to assess the quality of field work

Experience has shown that various errors exist in statistical data deriving from a census. These are due to several reasons, among which are incomplete coverage, misunderstanding on the part of enumerators, ignorance of the correct answer on the part of respondents, etc. Sampling methods can be used to assess the accuracy of census data. For these purposes postenumeration (evaluation) sample surveys may be undertaken. Through employment of better qualified enumerators, and use of objective methods wherever possible, the magnitude of the response errors can be checked. The same method can be used to evaluate the completeness of coverage of the census. Checking the magnitude of biases arising from these causes has become necessary both for the users of statistical data who find, in the results of evaluation surveys, the information on the degree of reliance they can place on the census data, and for statisticians themselves to whom these checks show the deficiencies of their methods and the directions for work on future improvements. It is emphasized that an evaluation survey must be properly designed and properly carried out, otherwise its results might be misleading and might not indicate the real accuracy of the census data.

Use of sampling methods to control errors of processing

Equally important is the possibility of using sampling methods to control the errors in various process-

ing operations, such as editing, coding, etc. These procedures have developed into an important census methodology because, if properly carried out, they not only result in substantial savings in time and money but also help in improving the quality of the final results.

USE OF SAMPLING METHODS IN TABULATION

Tabulation and other processing programs should pay close attention to a practice which has proven very valuable in a number of countries.

Advance estimates of census results

This refers to the use of sampling methods to obtain advance estimates of census results. When regular tabulation of collected data is likely to be time-consuming, advance estimates so obtained can supply census data needed urgently.

Broadening the scope of tabulation programs

Samples of punch cards can be used especially to enlarge the program for cross-tabulations which would be costly and time-consuming on a 100 percent basis.

Particular attention is drawn to the possibility that, in countries with large numbers of holdings, the use of sampling methods permits detailed tabulations and cross-tabulations which would prove unduly burdensome and costly if they were attempted for all holdings included in the census.

F. Preparatory work for the taking of a census

Several years may be required to prepare an agricultural census properly, especially in those countries which do not have much experience in census taking and processing. Consideration will be given below to some more important activities connected with the preparatory work for an agricultural census.

CENSUS LEGISLATION

The creation of a legal basis for an agricultural census is one of the first items to be considered in a census plan. Legal authority for the census is required for fixing primary administrative responsibility, obtaining the necessary funds, determining the general scope and timing of the census, and placing upon the public a legal obligation to co-operate. In countries lacking permanent legal authority for the taking of periodic censuses, it is important to act early in establishing one-time legal authority or, preferably, legislation calling for a system of periodic

censuses. In the census legislation the confidentiality of the individual information should be strongly and clearly established and guaranteed by adequate sanctions so as to form a basis for confident cooperation of the public.

CENSUS BUDGETING

Effective planning, and control of the various census operations is not possible without making a very careful financial estimate of the cost of each census operation. No part of the census work is too small to be clearly recognized as a component of the total cost. The budgetary appropriations of the various census operations should not be restricted only to collection of information in the field but should include costs of preparatory census work, costs of the postenumeration survey, processing of census data and preparation and publication of the results. It is important that persons at the administrative and supervisory levels, who will be responsible for the execution of a census operation, participate in estimating the budget items. It is also advisable that in the census committees the representatives of the financial authorities participate at all stages of the preparatory work on the census.

GEOGRAPHIC PREPARATIONS FOR THE TAKING OF A CENSUS

The enumeration of all the agricultural holdings of a country without omission or duplication, in a short period of time, requires much attention. It necessitates the exact delineation of the area which each enumerator must cover. The most efficient way to define each area is to provide each enumerator with a map of his enumeration area showing clearly the exact boundaries. In countries where no detailed maps are available, sketches should be provided wherever possible.

Long before the date of the enumeration, census authorities should explore the map resources of the country, and where maps are not available, an effort should be made to provide sketches showing boundaries of areas very clearly. To simplify the compilation of totals, the enumeration areas should be designed in such a way that a simple addition of the subtotals for these areas will give the totals for the required administrative or other areas.

In developing countries, where no detailed maps are available and where the agricultural census will be undertaken on a sample basis, at least a complete list of villages in the country should be prepared in advance with complementary information such as size of village in terms of agricultural population or people engaged in agriculture, ethnic groups of its population, main crops cultivated, etc. This

would be extremely useful for the purposes of proper stratification of villages for sample selection.

Another very important operation in the preparatory work for the agricultural census is the listing of potential enumeration units in order to assure full coverage in the census. Lists of holdings available from administrative offices frequently appear to be very incomplete, not up to date and therefore not quite useful for census enumeration purposes. The listing operation is essential for the agricultural census itself but could also serve as a frame for conducting further surveys.

PREPARATION OF CENSUS QUESTIONNAIRES AND INSTRUCTIONS

The preparation of census questionnaires is one of the most important steps in the preparation of a census because the quality of the enumeration depends on it to a large extent. After selection of the items for which information is desired, the questions should be stated so clearly that they would be understood by all enumerators and all respondents.

While designing the questionnaires, the anticipated difficulties of the enumerator and also the problems of tabulation should be kept in mind. If the census is to be tabulated by punch card methods, the items should be in the same order on the questionnaire as on the punch card. Precoding of the questionnaires, i.e., printing the codes which shall be used for processing on the questionnaire, may very much facilitate the processing of data.

Questionnaires should be prepared sufficiently in advance of the date of the census so that they can be thoroughly tested by using staff of the same educational level as those who will be called upon to take the census as enumerators. Such a check shows the deficiencies of the questionnaires as well as the reaction of the agricultural holders to them. Questionnaires should be available in advance to be distributed on time.

Instructions should be prepared as simply and clearly as possible, giving definitions of concepts involved in the questionnaire and explaining how the enumerator should complete it.

PILOT CENSUSES AND PRETESTING SURVEYS

The attention of countries is called to the importance of pilot censuses and pretesting surveys for testing the questionnaires, the definitions, the enumeration procedures, equipment, and to determine the appropriate methods for the collection and the processing of data. The function of a pilot census is to examine the plan of operations with regard to such objectives as economy, accuracy and speed.

Such surveys can also be used for training senior and other officials in the different aspects of census taking. Pilot censuses are particularly recommended in less developed countries where there is little previous experience in census work and where, consequently, adequate census techniques have to be determined. If purposively selecting areas for a pilot census, care should be taken to choose areas which are representative of the various conditions which are likely to be encountered during the taking of the census.

TRAINING OF SUPERVISORY AND SPECIALIZED PERSONNEL

The need for intensive training of census personnel cannot be overemphasized. Special attention should be paid to this phase of preparatory work because the quality of the census results largely depends on the extent to which supervisory and specialized personnel have received adequate training.

The proper training of supervisory personnel is particularly important, as they usually will be required to train others. Only few key people may get training outside the country, e.g., in the regional or interregional training centers, but training of national personnel as such is a national responsibility.

With regard to training of enumerators, a program should ensure that all enumerators understand the questions that are contained in the questionnaire, that they will know how to ask them and be able to explain their meaning and purpose to respondents. The time for this training will vary from country to country but it should be adequate for the taking of a good census.

PUBLICITY FOR THE CENSUS

The importance of publicity for the census cannot be overstressed. Experience from some countries shows that the lack of adequate publicity may jeopardize the agricultural census.

The purpose of publicity is to bring the census to the attention of the people. Its aim should be that all agricultural holders or at least one member of their families should know about the census. The scope of the census might be clearly explained in the national and local press to familiarize people with the questions which will be asked. The publicity program should explain the uses made of some of the data thus collected, particularly for planning agricultural policies. It should try to make the census mean something to people and it should establish confidence between the people and the census authorities. Its confidential character and the need for accurate replies should be emphasized.

It is not possible to state the most effective means for publicity, as these will vary from country to country. In many countries the daily and weekly press, the cinema, radio, television and posters have been used. In other countries, the co-operation of members of the clergy, chiefs of communities, heads of business associations, labor groups and public service organizations has been most effective in bringing the census to the attention of the people. A National Census Committee or local committees could also play an important role in the publicity campaign. In some countries committees have been organized in villages to carry out verbal publicity among the illiterate farmers by reading out and explaining to them census publicity material. The use of visual publicity media under these conditions may be of great help in informing the population about the purpose and the scope of the agricultural census.

TIMELY PLANNING OF DATA PROCESSING

It is extremely important that the methods to be used in processing the agricultural census returns be decided upon early in the planning stage, so that the census questionnaires can be designed in accordance with specific processing needs. By adopting suitable design and format of the questionnaires, the quality of census data can be improved and the costs can be considerably reduced.

To improve the quality of census data the list of checks should be prepared well in advance during the preparations for the census. In case of mechanical or electronic tabulation of the census returns, a program should be established for detecting errors, e.g., omissions in punching or losses of punched cards, certain coding errors, inaccurate reading of returns by the punch operators, improper alignment of perforations, errors in gang punching, etc. It is also necessary to compose in advance a synoptic table of discrepancies that the machine would detect. The efficiency of these devices should be checked on the basis of material collected during the pilot census.

G. Time reference

Countries are urged to take their censuses in 1970 or, if this is not possible, in another year close to 1970. Information collected for the census refers to one year, to one week period, or to a specific date according to the subject investigated. However, the duration of the enumeration should be rather short and, if possible, should not extend beyond one month, in order to avoid omissions or duplications because of changes in figures on some items collected in the census caused by variability of some events, e.g., changes in employment in agriculture, movement of livestock, etc. In cases of

census enumeration through more than one round, the observations made above relate to each round separately. The detailed time reference by subjects can be indicated as follows.

- 1. A specific year, such as the last agricultural year, or the year preceding the date of enumeration, i.e., the period of one year, which ends at the date of enumeration, refers to information regarding: type of holding; aggregate area under crops and crop production; production of livestock products; extent to which the work on the holding is carried out by the holder's household members (Major group 41); use of agricultural power on the holding (Groups 61.1 and 61.2); agricultural machines used on the holding; general transport facilities; area of land irrigated (Groups 71.2, 71.3 and 71.4); fertilizers and soil dressings; wood and fishery products; contract operations (Major group 102).
- 2. The *week* preceding the date of enumeration, i.e., the period of one week length, which ends at the day of enumeration, refers to information on "Employment in agriculture" (Major groups 42 and 43).
- 3. A specific date refers to information regarding: holding, holder, and tenure of holding (Major groups 01, 02 and 03); land utilization; area under crops if reported as "at the census date" and not as "aggregate area"; number of trees or vines; livestock and poultry (excluding livestock products); farm population; source of electric power on the holding (Group 61.3); agricultural machines owned by the holder; area of land provided with irrigation facilities (Group 71.1) and drainage (Major group 72); type of industry with which the holding is integrated (Major group 101). A specific date is usually considered the day of enumeration or some other day close to this. In countries where there is more than one crop season during the year, information on total area of holding, areas under different forms of tenure, and areas classified according to utilization should relate to a specific date in the major crop season.

H. Production

Production of crops, livestock and poultry products is included in the "Expanded List" (see part I below, page 8), although production data are often better collected by methods other than a census. In many parts of the world, satisfactory estimates of

crop production are impossible without crop-cutting sample surveys. With items whose production extends over the whole year, such as milk or coconuts, sampling in time may be needed or some form of recording.

However, production figures are so important that they should be made available in a form which permits relating them to the data from the census. In some countries the census offers the only opportunity to obtain information about production and relating it to size and tenure of holdings or the use of improved agricultural practices. In all cases in which production figures are given in the census reports, a statement should be included, clearly indicating the basis on which they were obtained and giving available information about their limitations.

I. Short and Expanded List of items

A uniform questionnaire is not proposed since the exact form of the questionnaire will vary from country to country in accordance with local conditions. The recommendations are therefore in the form of a list of items for which internationally comparable statistics are expected from the 1970 World Census of Agriculture.

The items on the list are printed in two distinct types, namely, in **bold type** and in ordinary type. Those printed in bold type constitute what is termed the "Short List." The "Expanded List" is composed of all items irrespective of whether they are printed in bold or in ordinary type.

The items included in the Short List are those for which data are desired from all countries, as they are considered of major importance in the world's agriculture. However, no country is expected to collect information concerning an item which is of negligible or of no importance to the country, even though that item is included in the Short List.

The Expanded List contains items which are primarily of regional importance and on which some countries may be able to collect information through the census. It also provides a breakdown in greater detail on several items on the Short List.

In developing a questionnaire, some countries may wish to obtain greater detail than is provided in the Short List, or even add items not included in the Expanded List. They are, however, urged to prepare their items in such a way that they correspond to or can be combined to provide the equivalent of the appropriate items given in the 1970 Program. Countries should be cautious not to include too many secondary items because they are burdensome to the main census-taking and processing operations, the accuracy of which may be reduced thereby.

J. Tabulation of results

The tabulation of the results of the 1970 World Census of Agriculture should be undertaken as soon as possible after the enumeration has been completed. The Program includes suggestions to tabulate information regarding all items on the Expanded List by size classes of holdings. The items and the size classes for which data are desired from all countries are printed in **bold type**. From those printed in ordinary type, countries may select only those appropriate to their circumstances.

Countries in which tribal agriculture exists together with a more developed type of agriculture are urged to tabulate separately the data concerning these two types of agriculture. Information on holdings operated jointly by two or more households should be tabulated separately from the data on other holdings.

Countries collecting information in their census for establishments which are not agricultural holdings, such as those which are wholly engaged in the production of wood and forest products, are urged to tabulate separately the data for the agricultural holdings and for the other establishments.

It is recognized that classification by size of holdings as proposed in the Program is not the only significant classification of census results. The 1970 Program proposes, therefore, wherever possible, a series of tabulations by tenure and by type of holding. In addition to tabulations by size classes according to total area of holdings, some countries may wish also to prepare tabulations based, e.g., on the agricultural area of holdings defined as the sum of arable land, land under permanent crops, and land under permanent meadows and pastures (Major groups 11, 12 and 13 of Section 1). Whatever classification is adopted, international comparison based on the total area of individual holdings is clearly the most practicable from the point of view of feasibility, and it is therefore proposed in the present Program as in previous world censuses.

Tabulation plans indicated in the Program refer to data for a country as a whole. However, there is also a need for tabulation of census data by major administrative or geographical regions, and some tables can also be prepared for minor localities. The scope of the tables presenting data for minor localities should be properly reduced in comparison with the information prepared for the whole country or its major subdivisions.

Attention is drawn to the fact that much additional valuable information may be obtained from the census reports through appropriate tabulations and cross-tabulations. Countries are urged to take full advantage of the possibilities offered by the census returns.

K. Countries not using the metric system

Countries which do not use the metric system are urged to arrange their area classification as far as possible in such a way as to enable approximate comparison with the size groups in hectares proposed in the Program.

L. Forwarding census material to FAO

Governments are requested to provide FAO, as soon as they are available, with:

- (a) census documents, e.g., texts of census legislation, census questionnaires and instructions to enumerators, supervisors, editing and coding instructions, samples of working sheets and punch cards and other materials describing all phases of census operations;
- (b) preliminary and final results of the census, and census reports.

Countries adopting a size classification of holdings other than by total area are requested to provide FAO, in the interest of international comparability, with data tabulated by total area of holdings at least for the items included in the Short List of the Program.

M. Publication of census results

It is recommended that publications giving census results include the following:

- 1. Historical background.
- 2. Objectives of the census.
- 3. Census legislation.
- 4. Organization of the census at headquarters and in the field indicating, wherever possible, estimates of personnel and expenditure, including costs of processing and tabulating the data.
- 5. Preparatory work (geographical work, preparation of questionnaire, instructions, definitions and concepts, publicity, etc.).
- 6. Timetable of operation and reference period.
- 7. Pilot census.
- 8. Methods and procedures used in collecting the data and organization of the supervision of the field work.
- 9. Processing and tabulation methods.
- 10. Quality checks.
- 11. Analytical summary of the census results.
- 12. Copy of the questionnaires, a summary of the main instructions and other forms used.

Data secured by enumeration should be distinguished clearly from collateral estimates prepared as part of the census. When transmitting the census results to FAO, countries are urged to report any deviation from the definitions proposed in the Program.

N. Relation of the Program to a census of population

The 1970 World Census of Agriculture includes in its scope information on employment in agriculture. The same topic can be investigated in the population census. The census of population, covering all branches of economy, provides data on employment in all occupations and branches of industry. It also provides, therefore, a count of the persons working in agriculture. It eliminates the duplicate enumeration which occurs in the agricultural census in relation to persons engaged on different holdings; these persons are reported in the census of agriculture by each holder for whom they work. However, the population census does not always give a good account of the persons working in agriculture, as the results depend largely on the time reference adopted for the census. The time reference of the population census frequently overlaps the period when agricultural work is on the ebb, and then the population census figures may seriously underestimate the population engaged in agriculture.

Censuses of agriculture and censuses of population have both been used to secure information on the persons who are connected with agriculture. However, the concepts used in both censuses necessarily vary. Because of different enumeration units in both censuses, their criterion for enumerating the agricultural population differs. A census of agriculture as a census of agricultural holdings uses the residence criterion. Hence, it enumerates as the agricultural population those people who are living on the agricultural holdings or in the households of the agricultural holders. This population is therefore called "farm population." A census of agriculture, however, cannot be the means of enumerating also the agricultural laborers and their dependents who live outside the agricultural holdings, because information on these persons, specifically on their dependents, cannot be generally obtained from respondents in the agricultural census. A census of population using the occupational affiliation with agriculture as a criterion for enumerating agricultural population would include these persons. Nevertheless, a number of people living on and operating small holdings, but whose main economic activity is outside agriculture, would usually be excluded from the agricultural population together with persons dependent on them, even though they are connected with agriculture. Moreover, it is often not feasible to include in the population census information on holdings necessary to relate agricultural population data to the characteristics of agricultural holdings with which they are associated.

Thus, both censuses produce meaningful though different series of population data connected with agriculture. Where the two censuses are taken simultaneously, it is possible to secure information about the population connected with agriculture in such a way that the characteristics of the population can be related directly to the characteristics of the holdings. In the case where population and agricultural censuses are taken separately but close in time, there would be a possibility of matching a sample of the population census returns with the information obtained from the agricultural census and to relate population census data to the characteristics of agricultural holdings. However, this operation is rather difficult and costly.

Information on employment in agriculture and on farm population obtained in an agricultural census can be easily related to size and other characteristics

of the agricultural holdings. This can also be done to some extent in a population census by the inclusion of a few questions regarding the holdings. Countries should therefore examine to what extent it is feasible to incorporate in their population census programs questions aimed at eliciting information on the economic and social characteristics of their agricultural population. Consideration should also be given to the possibility of including a few other questions, making it possible to relate this type of information to the size, tenure and type of holding.

Since the census of agriculture is usually limited to holdings above a specified minimum size, some countries have found it useful to ask, in their population census, for some limited information concerning agricultural activities outside the holdings covered by the census of agriculture, in particular with regard to livestock and production of certain vegetables and horticultural specialities, in order to obtain additional agricultural data not collected in the agricultural census itself. Similarly, the population census may be the best source of information on persons who provide services directly to agriculture.

Section 0 - HOLDING, HOLDER, TENURE, AND TYPE OF HOLDING

Major 9

Introduction

This section deals with four main concepts proposed for investigation, namely, the holding, the holder, tenure, and type of holding.

The items included in this section are essentially the same as those included in the 1960 Program. The main differences between the two programs are:

- the introduction of the new topic, namely, "Type of holding;" and
- 2. the addition of some items, the clarification of the definition of "holding," and the addition of a definition of "hired manager."

In enumerating forms of land tenure, several countries included an item for the area operated by hired managers, thus treating this mode of operation as though it were a form of tenure. In these cases, no information became available as to the form of tenure of the land operated by hired managers. As the form of tenure has not lost its importance because the holding is operated by a hired manager, countries are urged to report land so operated under the land tenure to which it belongs.

Considering the difficulty experienced by certain countries in collecting information on land tenure which varies greatly between countries, it is suggested that the countries which experience these difficulties might make a survey of the various forms of land tenure before the taking of the census.

Proposed census items

Items printed in **bold type** represent those for which information is desired from all countries. These items constitute the Short List of the Program. The Expanded List includes, in addition to the items printed in bold type, the items printed in ordinary type. Countries may choose therefrom such items as are suitable to their conditions.

SECTION 0 - HOLDING, HOLDER, TENURE, AND TYPE OF HOLDING

Maju group Group Major

3

01. HOLDING

- 01.1 Location of the holding
- Number of noncontiguous parcels of land which constitute the holding
- 01.3 Total area of the holding

group Group HOLDER 02.1 Name of the holder 02.2 Age of the holder 02.3 Main occupation of the holder Agricultural 02.31 02.32 Nonagricultural Address of the holder if he does not live on the holding 02.5 Indication as to whether the holding is managed entirely by the holder or whether the holder has a hired manager Name of the hired manager and his address if he does not live on the holding 02.7 Is the holding operated jointly by two or more households? Yes 🗆 No 🗆 Legal status of the holder 02.81 Civil person 02.82 Corporation 02.83 Co-operative or consciously planned collective 02.84 Government 02.85 Tribe and/or clan Other 02.89 Name of the respondent and his relationship to the holder 03. **TENURE** 03.1 Area of the holding which is owned by the holder or is held in ownerlike possession 03.2 Area of the holding which is rented from others 03.21 Area rented for a fixed amount of money Area rented for a fixed amount of produce 03.22 Area rented for a fixed amount of money 03.23 and some produce Area rented for a share of the produce or its equivalent in money 03.25 Area rented in exchange for services Area operated under other forms of renting, 03.29 including area operated gratuitously (rentfree) and in right of usufructuary mortgages 03.3 Area of the holding which is operated on a squatter basis 03.4 Area of the holding which is operated under tribal or traditional communal forms of tenure 03.9 Area of the holding which is operated under other forms of tenure not included in the previous categories (specify) 04. TYPE OF HOLDING 04.1 Indicate if the holding is producing mainly for 04.11 Home consumption \square 04.12 Sale In the case of holdings producing mainly for sale, check the appropriate box below: (a) Crops holding Livestock and poultry holding (c) Mixed holding

Other

Definition of census items and explanatory notes

HOLDING

The basic unit of tabulation in the agricultural censuses is the agricultural holding. A holding, for census purposes, is all the land which is used wholly or partly for agricultural production and is operated as one technical unit by one person alone, or with others, without regard to title, legal form, size or location.

Establishments and other units not including any agricultural land but producing livestock or livestock products (piggeries, hatcheries, poultry batteries, dairies, feed lots, livestock kept by nomadic tribes, rabbitries, apiaries, etc.) are also to be considered as holdings, whether they are located in rural or urban areas.

A technical unit is the unit which, under the same management, has the same means of production, such as labor force, machinery and animals.

The holding may consist of one or more separate parcels, located in one or more territorial divisions, provided that all these separate parcels form a part of the same technical unit. The holding may be known as a lot, piece, or parcel of land, garden, orchard, vineyard, estate, ranch, plantation, rural establishment, communal establishment, or by some other name.

Agricultural production for census purposes includes the growing of field crops, fruits, grapes, nuts, seeds, tree nurseries (except those of forest trees), bulbs, vegetables and flowers, both in the open and under glass; production of coffee, tea, cocoa, rubber; and the production of livestock and livestock products, poultry and poultry products, honey, rabbits, fur-bearing animals, silkworm cocoons, etc.

Forestry and fishery production carried on as an ancillary activity on an agricultural holding is also considered as agricultural production. However, if agricultural activity is carried on as an ancillary activity in a unit, the major activity of which is forestry, the forest area and production should be excluded from the census but the area devoted to agriculture should be included.

Establishments producing *only* forest products, race horses, fish, frogs, dogs or wild game are not to be considered as agricultural holdings.

Where several farm units such as plantations, cooperative or collective farms and similar establishments share the same technical service, if a distinct area is assigned to an individual and such individual shares in the agricultural products of this land, or if a specific number of livestock or poultry is assigned to an individual and he shares in the livestock or poultry products, each such area or number of livestock should be considered as a holding and each individual as a holder.

However, if a member of the holder's household independently operates land for agricultural production, this land should be considered as a separate holding. When individuals, laborers, etc., on farms or plantations comprising several farm units are not assigned a distinct area of land or a specific number of animals and do not receive any share of the agricultural products derived therefrom, then the entire group of units is to be considered a single holding.

When two or more establishments are under the same ownership and/or general direction but the immediate management is done by different persons, they should be classified as separate holdings.

Land which is used in common for grazing purposes by livestock kept by holders in the proximity of their holdings qualifies as *communal grazing land-holding* if the following two conditions are found:.

- 1. the area (usually a fixed area) is delimited by fencing, by herding, or by any other form of boundary demarcation; and
- 2. supervision is exercised in regard to the use of the land.

Land not conforming to the above criteria should not be included in the census. However, if other criteria are used on which a decision has been made to distinguish communal grazing land from open range land, they should be indicated.

Information collected for communal grazing land-holdings should include only the following items:

- (a) Legal status of the holder (government, tribe and/or clan, etc.)
- (b) Area of the holding
- (c) If possible, number of holders of livestock who have access to the holding

These items should be shown in a separate table but otherwise left out of the tabulation program.

Ideally, the census should include all agricultural holdings in a country, whether large or small. Practical considerations, however, make it necessary to limit the enumeration to those holdings which conform to certain recognized criteria and which fall above certain lower limits as to size of holding or size of operation or both. No uniform minimum limits in respect of area, volume of output, numbers of livestock or number of trees are suggested here, for these will vary from country to country. But in view of the large number of small holdings in many countries and their considerable contribution to the production of some important foods, it is strongly urged that the minimum limits be made as low as possible.

LOCATION OF THE HOLDING

The location of the holding should be indicated in detail in the schedule. If the holding is in a village or hamlet, the name of the village or hamlet and the administrative area in which it is located should be given. This information will facilitate control of the enumeration, summarization by territorial divisions, subsequent inquiries for purposes of verification, sampling inquiries, etc.

PARCEL

A parcel is any land in the holding entirely surrounded by land or water of other holdings or by land or water not forming part of any holding. It may consist of one or more cadastral units, plots or fields.

TOTAL AREA OF THE HOLDING

The total area of the holding should include the total of all land forming part of a unit which is under the same technical responsibility and management. It should also comprise the land occupied by the farm buildings, including the house of the holder, wherever these are located.

Special rules should be applied in the case of shifting cultivation, i.e., the custom of cultivating clearings scattered in the reservoir of natural vegetation (forest or grass-woodland) and of abandoning them as soon as the soil is exhausted.

The total area of the holding should in that case be considered as the sum of:

- (a) the area under crops during the reference period of the census; and
- (b) the area prepared for cultivation but not sown or planted at the time of the enumeration.

In the case of holdings composed partly of settled agricultural land and partly of shifting cultivation, each part should follow its own rules when recording total area.

Holders who have access to communal grazing land should not include their estimated share of the communal grazing land in the total area of their holding.

HOLDER

The holder, for census purposes, is the person who has the responsibility for the operation of the agricultural holding. He exercises the technical initiative and responsibility for the operation of the holding and may have full economic responsibility

(e.g., as an owner) for it or share this with others (as a tenant). When two or more persons share jointly (as partners) in the economic and technical responsibility for the operation of an agricultural holding, each is to be considered as the holder if they belong to different households. In these cases, the names of the partners should be entered under item 02.1 "Name of the holder" but the questions on age and main occupation of the holder, i.e., items 02.2 and 02.3, should remain unfilled. However, if the persons jointly operating the holding are members of the same household, one of them should be considered as the holder and all information requested on the holder should be supplied in relation to this person.

If a holding is operated by a hired manager, special provision should be made for recording this in the census. Many countries enumerate the hired manager separately, while others list him as a holder. In either case, the name of the person or organization which pays him a salary or wage and/or a part of the produce also should be entered.

When a holding is operated by a co-operative or consciously planned collective, a tribe and/or clan, or by a central or local government or government agency, this fact should be separately recorded. (With regard to employment in agriculture and farm population, special arrangements are to be made to collect information about all persons in the household of members of a co-operative, a consciously planned collective, a tribe or a clan.)

HIRED MANAGER

A hired manager is a person responsible for making day-to-day decisions and for supervising others. These functions include the current decisions in running or operating the holding and in the employment of hired labor. He is not to be confused with a caretaker or a laborer. In cases in which the hired manager is listed as a holder of a holding which he operates for the account of somebody else, neither the personal information nor information about his household is to be recorded for this holding.

MAIN OCCUPATION OF THE HOLDER

The main occupation of the holder is the occupation at which the holder spends most of his working time.

LEGAL STATUS OF THE HOLDER

A holding may be operated by a civil person or a juridical person, i.e., corporation, co-operative or

consciously planned collective, or by the government or by a tribe and/or clan.

Civil person. By a civil person is to be understood:

- (a) an individual operating a holding;
- (b) two or more persons who share the technical and economic responsibility of the operation without a legal contract;
- (c) two or more households operating jointly, without legal contract, while at the same time each of the households may operate a holding of its own (see definition of household under section on Farm population).

Corporation. A holding is to be considered as operated by a corporation if it is operated by, or on behalf of, two or more persons who have a separate legal status as such without being a co-operative or a collective. Joint-stock companies are examples of corporations.

Co-operative or consciously planned collective. A holding is said to be operated by a co-operative if it is operated by a body constituted as a co-operative according to applicable legislation. This includes several kinds of farm organizations in which the principles of individual and joint ownership or leasehold are combined in different degrees.

A holding is said to be operated by a consciously planned collective if it is operated by a group of persons not necessarily related by blood, who voluntarily or by mandate of the governing authority join together to exercise land rights in common: for example, owership, occupation as a single unit, and usufruct. This includes, e.g., land operated by monastic orders, the communal farms or "kolkhozes" of the Soviet Union, the collective "ejidos" of Mexico, and other collective arrangements of recent origin.

Government. Government holdings operated by a central or local government, either directly or through a special body, are to be included under this heading.

Tribe and/or clan. A holding is to be included under this heading when it is operated jointly by a tribe, a clan or a part thereof. If, however, the tribal land is subdivided for individual use, the area cultivated by each member should be considered as a separate holding.

Other. This group includes those holders not belonging to any of the previous groups.

TENURE

Land tenure in an agricultural census is concerned with the rights under which the land is operated, and not with the ownership of the land. Area owned or held in ownerlike possession. Two different concepts are involved:

- (a) that of land owned by the holder or members of his household, which is understood to mean land over which the holder possesses title of ownership and consequently the right to determine the nature and extent of its use, as well as the right of transfer; and
- (b) land operated under such special conditions that the holder operates it in an ownerlike way even though he does not possess a title of ownership.

Some common types of ownerlike possession include:

- (i) land operated under perpetual lease, hereditary tenure, and under long-term leases usually ranging from 30 to 99 years, and the rent of which is sometimes only nominal;
- (ii) land which, without legal title of ownership nor of a long-term lease, has been peacefully and uninterruptedly operated by the holder for a period of over 30 years without payment of rent; and
- (iii) the system under which a villager receives a plot, rent-free, from tribal, ejidal or other communal land and retains it as long as he keeps it under cultivation by his own labor and that of his family and under which he cannot sell or mortgage his holding.

In all such cases, the holder legally uses the land without consideration of other interests and without interference from others, and always has complete economic responsibility. Whenever feasible, the census returns should indicate clearly into which of the above categories the data fall.

Area rented. This includes:

- (i) area rented for a fixed amount of money;
- (ii) area rented for a fixed amount of produce;
- (iii) area rented for a fixed amount of money and some produce;
- (iv) area rented for a share of the produce, or its equivalent in money;
- (v) area rented in exchange for services; and
- (vi) other forms of renting, including area operated gratuitously (rent-free) and area operated in right of usufructuary mortgage.

Area rented for a fixed amount of money, a fixed amount of produce, a fixed amount of money and some produce. By this is meant all land leased to the holder by individuals, by corporations, or by the government or other public or related bodies, usually for a short period of time. Payment may be in the form of a specified amount of money, a specified amount of produce, a specified amount of money

and of produce, or a specified amount of money and in addition some share of produce. The administration and management of the land in general are the responsibility of the holder.

Area rented for a share of the produce, or its equivalent in money. This means all land for the use of which the holder delivers to the landlord a share of the produce or its equivalent in money. The amount of the share varies according to local conditions and to the type of agriculture undertaken, i.e., crop production, production of livestock and livestock products, poultry production, etc. The technical responsibility in the management of the holding may be exclusive to the holder or may be shared to a limited degree (but without imperiling the holder's independence) with the landlord if the latter contributes tools, fertilizers, or other aids. The economic risks of the operation, as far as income is concerned, are always shared by the holder and the landlord.

Area rented in exchange for services. By this is meant land, the usufruct of which is granted to the holder instead of wages. Two cases are most common:

- (a) that in which agricultural laborers receive a piece of land from the landlord in return for which they must work, unpaid, for a certain number of days per week; and
- (b) that in which the holder is granted a piece of land in part payment for services to the government, to the church or to others.

Area under other forms of renting including area operated gratuitously and usufructuary mortgages. This means all land which has been granted rentfree to the holder under special arrangements for his exclusive use and usufruct.

By usufructuary mortgages is meant a mortgage by which the mortgagee, in right of the mortgage, has the usufruct of the mortgaged property.

Area operated on a squatter basis. This is understood to mean all land operated by a holder who lacks title of ownership and for which use he does not pay rent, notwithstanding the fact that he retains its total usufruct. Land occupied by squatters may be either private or public property, and occupancy occurs without consent of the owner, even though it may sometimes be tolerated by him, especially in the case of public domain.

Area under tribal or traditional communal forms of tenure. The land included under this category is held under a form of tenure in which the joint or communal exploitation is not the result of careful planning but of tradition or tribal conditions. The latter is common in most parts of Africa, where land is held on a tribal, village, kindred, or family basis, and individuals have certain rights in this land by

virtue of their membership in the respective social unit. Title to the land, which often is vested in the chief of the tribe, is communal in character but not absolute; it is only usufructuary.

Area under other forms of tenure. Forms of tenure other than those described in the preceding paragraphs may be of common or limited occurrence in some countries. Among these may be mentioned, as examples, the land operated under transitory forms of tenure, such as the land under trusteeship (operated by a trustee) or land received in some countries by members of collective agricultural holdings for individual use, land under inheritance proceedings, etc.

A holding may be operated under more than one form of tenure. In such cases, the holdings should be classified under "Holdings operated under more than one form of tenure" when reporting tenure of holding. In addition, when reporting tenure of the land, the area under each tenure within the holding should be reported separately under the appropriate tenure form.

TYPE OF HOLDING

The purpose of the items under this heading is to classify holdings according to whether they are producing mainly for home consumption or mainly for sale and then to classify the holdings belonging to the latter category by the most important types of agricultural production. The first classification is based on the destination of the agricultural output of the holding during the year in question. By "Agricultural output" is understood the value of that part of the yearly agricultural production on the holding which remains after deduction of the produce used on the holding for further agricultural production, e.g., as forage or seed. However, for the purpose of the classification the output should be adjusted by deducting that part which has been paid by the holder as rent in kind to the landlord.

Holding producing mainly for home consumption. This applies to holdings which produce mainly for home consumption. By "mainly" is meant that 50 percent or more of the adjusted agricultural output of the holding is consumed by the holder's household.

Holding producing mainly for sale. This applies to holdings where more than 50 percent of the adjusted agricultural output of the holding is produced for sale.

Holdings producing mainly for sale could be classified further according to the most important activity of the holding.

(a) Crops holding. Where more than 50 percent of the value of the sales of the holding is from the sale of crops.

- (b) Livestock and poultry holding. Where more than 50 percent of the value of sales of the holding is from the sale of livestock, livestock products or poultry.
- (c) Mixed holding. Where no one of the above accounts for more than 50 percent of the value of sales of the holding.
- (d) Other. This group includes holdings not belonging to any of the previous groups, e.g., silkworm holdings, where more than 50 percent of the value of sales of the holding is from the sale of silkworm products as cocoon silk; or beekeepers' holdings, where more than 50 percent of the value of sales of the holding is from the sale of honey and beeswax.

Countries which so desire can further classify these types by selecting specific species of temporary crops (e.g., market vegetable gardens, wheat, etc.) or of permanent crops (e.g., fruit, rubber, coffee, sisal, etc.) where these crops account for more than 50 percent of the value of the sales of the holding. Similarly, from livestock and poultry, one species of livestock or livestock product can be selected for classification (e.g., cattle holdings, dairy holdings, sheep holdings, etc.) where one of these items accounts for more than 50 percent of the value of the sales of the holding.

Tabulation plans

The tables attached are submitted to indicate the comparable data which are desired on this section from countries participating in the 1970 World Census of Agriculture. The items printed in **bold type** are those for which information is desired from all countries. From the items printed in ordinary type, countries may select those which are suitable to their conditions.

In countries where there is more than one crop season during the year, the total area of the holding, for purposes of tabulation by size of holding, should be the total area reported for the major crop season (see page 7, G. Time reference).

Tables giving tenure (Tables 0.6 and 0.7) show:

- (a) tenure of holding; and
- (b) tenure of the land.

Under (a), holdings are classified according to whether they are operated under one single form of tenure or more than one (e.g., holdings owned, rented; or partly owned and partly rented, partly owned and partly occupied on a squatter basis, etc.), and their number and total area are shown in Table 0.6.

Under (b), holdings operated under more than one form of tenure are dissolved into their different land tenure components, showing the area owned, rented, operated by squatters, etc.

Table 0.1. - Number, area, mode of operation and fragmentation of holdings, by size

Number Area By the holder 1 manager of parcels in the holdings with and without land		Hole	dings		Mode of	operation		Fragme	entation
All holdings with and without land Holdings without land Holdings without land XXX XXX XXX XXX XXX XXX XXX	Size class	Number	Area	By the	holder 1			of parcels in the	Average number of parcels
Holdings without land XXX XXX XXX XXX XXX XXX XXX XXX XXX X				Number	Area	Number	Area		per holding ²
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 100 110 hectares and under 100 110 hectares and under 200 200 hectares and under 200 200 hectares and under 500 500 hectares and under 500 500 hectares and under 500	All holdings with and without land								
under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 100 10 hectares and under 100 100 hectares and under 200 200 hectares and under 500 500 hectares and under 500 500 hectares and under 500	Holdings without land		xxx		xxx		xxx	×××	×××
1,000 nectares and under 2,500	under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 20 10 hectares and under 20 20 hectares and under 50 hectares and under 50 hectares and under 200 200 hectares and under 200 200 hectares and under 500 hectares and under 500 hectares and under 500 hectares and under 500 hectares and under 1,000								
2,500 hectares and over	2,500 hectares and over								

¹ Excludes holdings where the hired manager is considered as the holder. - ² Optional for holdings under 0.5 hectare and for those over 50 hectares.

Table 0.2. - Fragmentation of holdings, by tenure and by size of holding 1

			All holdings				Holdi	ngs fully ov	vned ²	
물레를 보고싶으로 잘 모르다.		Number of	holdings co	nsisting of:	:		Number of	holdings co	nsisting of	:
Size class	1 parcel	2 to 3 parcels	4 to 5 parcels	6 to 9 parcels	10 parcels and over	1 parcel	2 to 3 parcels	4 to 5 parcels	6 to 9 parcels	10 parcels and over
All holdings with land								4.		l
Holdings under 0.5 hectare										
under 0.1 hectare					•					
0.1 hectare and under 0.2	1							·		
0.2 hectare and under 0.5										
O.E nectare and under O.S										
Holdings 0.5 hectare and over										}
0.5 hectare and under 1	14									
1 hectare and under 2										l
2 hectares and under 3										
3 hectares and under 4			-							
4 hectares and under 5										
5 hectares and under 10										
10 hectares and under 20										
20 hectares and under 50										
50 hectares and under 100]					
100 hectares and under 200										
200 hectares and under 500										
500 hectares and under 1,000										
1,000 hectares and under 2,500										
2,500 hectares and over										
Holdings of size not reported										

¹ Some countries may wish to prepare this table also by legal status of holder. - ² Holdings in which all the land is owned by the holder.

Table 0.3. - Holders, by age class and by size of holding ¹
(This table refers only to holders who are civil persons, excluding holdings jointly operated by two or more households)

	Number of		Numb	er of holders w	ho are:	
Size class	holders reporting	Under 35 years of age	35 to 44 years of age	45 to 54 years of age	55 to 64 years of age	65 years of age and over
All holdings with and without land						
Holdings without land						
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2						
0.2 hectare and under 0.5						
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 50					3	
50 hectares and under 100 100 hectares and under 200 200 hectares and under 500 500 hectares and under 1,000 1,000 hectares and under 2,500 2,500 hectares and over Holdings of size not reported						

¹ Some countries may wish to prepare this table also by tenure of holding.

Table 0.4. - Number of holders and area operated, by main occupation and by size of holding (This table refers only to holders who are civil persons, excluding holdings jointly operated by two or more households)

Number of the state of the stat		· ·	ı ilialii Occu	upation
TAUTO	er of holders	Area operated	Number of holders	Area operated
All holdings with and without land				
Holdings without land		xxx		xxx'
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 50 50 hectares and under 50 50 hectares and under 500 200 hectares and under 200 200 hectares and under 500 500 hectares and under 500 500 hectares and under 500 500 hectares and under 500				
1,000 hectares and under 2,500 2,500 hectares and over Holdings of size not reported				

Table 0.5. - Number and area of holdings, by legal status of the holder and by size of holding

				-		Ho	oldings b	y legal	status	of hold	ler		1.5	
Size class	Tot holdi repoi	ings	Civ pers	ril	Cor rati		Co-o ative conscie plan collec	or ously ned	Gove me		Tri and cla	or	Otl	ier
	Num- ber	Area	Num- ber	Area	Num- ber	Area	Num- ber	Area	Num- ber	Area	Num- ber	Area	Num- ber	Area
		1						<u> </u>		<u> </u>		İ		i i
All holdings with and without land														
Holdings without land		xxx		xxx		xxx		xxx		xxx		xxx	·	xxx
Holdings under 0.5 hectare														
under 0.1 hectare														
0.1 hectare and under 0.2														
0.2 hectare and under 0.5					:									
Holdings 0.5 hectare and over				l										
0.5 hectare and under 1									1.					
1 hectare and under 2								1 1	1					
2 hectares and under 3						1								
3 hectares and under 4								1	1					
4 hectares and under 5					1									
5 hectares and under 10														
10 hectares and under 20												1		
20 hectares and under 50				1										l .
50 hectares and under 100														
100 hectares and under 200					1.									
200 hectares and under 500														
500 hectares and under 1,000														
1,000 hectares and under 2,500									1					
2,500 hectares and over	1													
Holdings of size not reported		xxx		xxx		xxx		xxx	1	xxx		×××	100	xxx

Table 0.6. - Number and area of holdings, by tenure and by size of holding

					Holdir	ngs operate	d under or	Holdings operated under one form of tenure	tenure				Holdi	Holdings operated under more than one form of tenure?	ed unde n of ten	r more	than
	Total	Owned			Ren	Rented from others	thers	:	:		Under			More than 50% of	an f	:	
Size class	holdings report- ing	by the holder or in owner- like pos- session	Total	For a fixed amount of money	For a fixed amount of produce	For a fixed amount of money and some produce	For a share of the produce or its equivalent in money	in ex- change for services	Other forms of rent-	On squatter basis	tribal or tra- ditional com- munal forms of	Under other single forms of tenure	Total	total area owned by the ho der or in ownerlike posses- sion		At least 50% of total area rented	All other
	No. Area	No. Area No. Area	No. Area	No. Area	No. Area	No. Area	No. Area	No. Area	No. Area	o Z	Area No. Area	No. Area	No. Area No. Area	No. Area	o Z	Area	No. Area
All noldings with land	***************************************																
Holdings under 0.5 hectare	:																
0.1 hectare and under 0.2															• :		
0.2 hectare and under 0.5																	
Holdings 0.5 hectare and over									1								
0.5 hectare and under 1								-	-		-						
1 hectare and under 2														: .			
2 hectares and under 3 3 hectares and under 4																	
4 hectares and under 5				:													
								:						. :			
10 hectares and under 20 20 hectares and under 50	-																
50 hectares and under 100				:	:						-						
		1									-	- :			:		
200 hectares and under 500																	
	:		1														
											1.						
Holdings of size not reported	××	× ′ × ×	×××	××	×××	×××	×××	××	×××	×××	×××	×	××	××	1 . 1	××	××
				-		,					-	-	-	-	-	-	-

¹ Include here all holdings which are held in part under one form of tenure and in part under another. - ² Including holdings operated gratuitously (rent-free) or holdings operated in right of usufructuary mortgage.

Table 0.7. - Total area of holdings, by tenure and by size of holding

			:	- 	1.16	Area rei	nted from	n others	1			Area	
	Size class	Total area of hold- ings re- port- ing	Area owned by the holder or in owner- like posses- sion	Total rented from others	For a fixed amount of money	For a fixed amount of produce	For a fixed amount of money and some produce	For a share of the produce or its equivalent in money	In ex- change for serv- ices	Under other forms of rent- ing ¹	Area oper-ated on a squat-ter basis	ated under tribal or traditional communal forms of tenure	Area oper- ated under other forms of tenure
All ho	ldings with land												
unde 0.1 i 0.2 i Holdi	ngs under 0.5 hectare or 0.1 hectare nectare and under 0.2 nectare and under 0.5 ngs 0.5 hectare and over hectare and under 1 hectare and under 2 hectares and under 3 hectares and under 4 hectares and under 5 hectares and under 10 hectares and under 10 hectares and under 20												
20 50 100 200 500 1,000 2,500	hectares and under 50 hectares and under 100 hectares and under 200 hectares and under 500 hectares and under 1,000 hectares and under 2,500 hectares and under 2,500 hectares and over												

¹ Including area operated gratuitously (rent-free) and area operated in right of usufructuary mortgage.

Table 0.8. - Number and area of holdings, by type and by size of holding 1

14010 0.6 14							producir					
Size class	Hole produ mainly fo consum	or home	To	:al		ops lings	Lives and p hold	oultry	Mis hold		Oth hold	
	Num- ber	Area	Num- ber	Агеа	Num- ber	Area	Num- ber	Area	Num- ber	Агеа	Num- ber	Area
All holdings with and without land												
Holdings without land		xxx		xxx		xxx		xxx		xxx		xxx
Holdings under 0.5 hectare												
under 0.1 hectare												
0.1 hectare and under 0.2												
0.2 hectare and under 0.5									1			
Holdings 0.5 hectare and over						İ						
0.5 hectare and under 1									1			
1 hectare and under 2												
2 hectares and under 3												
3 hectares and under 4												
4 hectares and under 5	1											
5 hectares and under 10		1							1	l		
10 hectares and under 20		İ	1									
20 hectares and under 50									1			
50 hectares and under 100				İ								
100 hectares and under 200												
200 hectares and under 500												
500 hectares and under 1,000							1					1
1,000 hectares and under 2,500												
2,500 hectares and over												
Holdings of size not reported		xxx		xxx		xxx		xxx		xxx		xxx

¹ Some countries may wish to prepare this table also by form of tenure.

Section 1 - LAND UTILIZATION

Introduction

This section of the Program proposes a classification of land utilization on agricultural holdings according to five major groups. Several countries may want to adopt a more detailed classification; the proposal, therefore, also includes subdivisions of some of the major groups. These, together with the major groups, constitute the Expanded List of items.

In order to ensure comparability between the 1970 and previous censuses, the land utilization groups have been retained exactly as in the 1960 Census of Agriculture.

In the case of shifting cultivation, where holdings consist only of land under crops and land prepared for cultivation, Group 11.4 and Major groups 13, 14 and 15 do not apply. Holdings which consist exclusively of communal grazing land should not be included in this classification but should be shown separately as indicated in Section 0.

Proposed census items

The Short List of items for which information is desired from all countries is printed in **bold type**. The Expanded List includes the items printed in bold type as well as in ordinary type. Countries may select from the items printed in ordinary type those suitable under their conditions.

SECTION 1 — LAND UTILIZATION

Major group Group

11. ARABLE LAND

- 11.1 Land under temporary crops (except market and kitchen gardens and cultivation under glass)
- 11.2 Land under temporary meadows (for mowing or pasture)
- 11.3 Land under market and kitchen gardens, including cultivation under glass
- 11.4 Land temporarily fallow
- 11.9 All other arable land

12. LAND UNDER PERMANENT CROPS

Major group Group

13. LAND UNDER PERMANENT MEADOWS AND PASTURES

- 13.1 Cultivated meadows and pastures
- 13.2 Uncultivated meadows and pastures

14. WOOD OR FOREST LAND

15. ALL OTHER LAND

- 15.1 Unused land (unproductive, as well as that yielding insignificant production) and potentially productive for agriculture or forestry but not yet developed
- 15.9 Land in the holding not classified elsewhere

Definition of census items and explanatory notes

COVERAGE

All the land in the holding should be classified according to its utilization and any duplication that may arise, for instance, in the case of associated and successive crops, should be avoided or clearly indicated as such.

TIME REFERENCE

Groups should be recorded at a certain date, and this date should be stated clearly. In any case, the date should be the same as for the determination of the total area of the holding.

AREA TO BE RECORDED

For purposes of classification of land utilization, gross area of the respective fields should be recorded, that is, all lands including bunds, headlands, shoulders, shelter belts, ditches, etc., attributable to each field.

ARABLE LAND

For the purposes of this Program, arable land means all land generally under rotation, whether it is under temporary crops, used as temporary meadows, or market and kitchen gardens (including cultivation under glass), temporarily fallow or lying idle.

Land under temporary crops (except market and kitchen gardens and cultivation under glass). Includes all land used for crops whose growing cycle is under one year and sometimes only a few months, and which must be newly sown or planted after the harvest of each crop. Examples of such crops are wheat, barley, maize, rice, beans, potatoes, cotton, etc. Crops remaining in the field for more than one year should also be considered as temporary crops if the harvesting destroys the plant, as, for example, in the case of cassava and yams. Crops when grown in rotation and therefore destroyed when the land is plowed (e.g., alfalfa, clovers, grasses, etc.) should be considered as temporary crops. Certain crops, like asparagus, strawberries and sugarcane, are sometimes grown as permanent crops and sometimes as annual or biennial crops. The area should be classified as under temporary or under permanent crops, as the case may be.

Land under temporary meadows (for mowing or pasture). Land under temporary meadows is understood to be land temporarily cultivated with herbaceous forage crops for mowing or pasture. It is recognized that some practical difficulties may arise in differentiating "Temporary meadows" from "Permanent meadows and pastures" to which reference will be made below. To obviate this difficulty, it is suggested that a period of rotation of less than five years be considered as temporary.

Land under market and kitchen gardens, including cultivation under glass. The specialized cultivation of vegetables, flowers, bulbs and ornamental plants should be included in this category, whether they are grown in market gardens, in kitchen gardens, or in greenhouses, and whether they are intended for consumption on the holding, for marketing, or both

Land temporarily fallow. Land temporarily fallow is land resting for a period of time before it is planted again. If the land remains fallow too long, it might acquire certain characteristics which would determine its inclusion in other major groups of land utilization, such as: "Permanent meadows and pastures" if it were possible to use it for grazing; "Wood or forest land" if it had become overgrown with trees utilizable as timber, firewood, etc.; "All other land" when it reverts to wasteland. Hence, a maximum length of time should be adopted for such land to remain idle and be considered as fallow. It is suggested herewith that this period be less than five years, and also that the land can be brought back into cultivation by normal cultivation practices.

If the census is taken at a time when the sowing or planting of the current season has not been fully completed, the area fallow at that time which will be put under crops immediately afterward should be classified according to the crops with which it is going to be sown or planted and not as fallow land. Even though fallow land is temporarily used for grazing, it should be classified under fallow if the main purpose of the land is for the cultivation of temporary crops.

All other arable land. This includes all areas of rotation land not put to any of the uses mentioned above during the year of reference of the census, for example, arable land damaged by floods, land prepared for cultivation but not sown on account of unforeseen circumstances, etc.

LAND UNDER PERMANENT CROPS

Land under permanent crops means land cultivated with crops which occupy the land for a long period of time, and do not need to be planted for many years after each harvest, such as cocoa, coffee, rubber, shrubs and fruit trees, nut trees and vines, but excluding wood and timber. It includes nurseries, except those for forest trees which should be classified under "Wood or forest land." It excludes permanent meadows and pastures.

LAND UNDER PERMANENT MEADOWS AND PASTURES

This means land in the holding used permanently, i.e., five years or more, for herbaceous forage crops, either seeded and cared for or existing naturally (wild prairie or grazing land). Permanent meadows and pastures on which trees and shrubs are grown should be recorded under this heading only if the growing of forage crops thereon is the most important use of the area.

WOOD OR FOREST LAND

This includes all wood lots or tracts of timber, natural or planted, which constitute part of the holding and which have, or will have, value as wood, timber, or other forest products or for protection. Nurseries of forest trees should also be included in this category. It excludes wood and forest land used for recreation purposes only, which should be reported under the category of "Land in the holding not classified elsewhere."

ALL OTHER LAND

This includes all other land in the holding whether potentially productive or not.

Unused land potentially productive for agriculture or forestry but not yet developed. This should include the area of uncultivated land which comprises part of the holding not included under the preceding headings but which is either producing some kind of utilizable vegetable product, such as reeds and rushes for matting and bedding for livestock, wild berries, plants, and fruit, or land which could be brought into crop production through relatively small expenditure of effort in addition to that required in common cultivation practices.

Land in the holding not classified elsewhere. This includes all land which constitutes part of the holding but which is occupied by buildings, parks and ornamental gardens, roads or lanes, wasteland, land under water, and any other land not reported under previous groups.

SIMULTANEOUS UTILIZATION OF LAND FOR DIFFERENT TYPES OF CROPS

When recording data on land utilization, special care should be taken to avoid duplication in the case of land on which permanent crops and temporary crops or permanent meadows and pastures are grown simultaneously (see Section 2, Crops).

Tabulation plans

The following tables are submitted to indicate the comparable data which are desired on this section from countries participating in the 1970 World Census of Agriculture. The items printed in bold type are those on which information is desired from all countries. From the items printed in ordinary type countries may select those which are suitable to their conditions.

Table 1.1. - Number and area of holdings, by size and by land utilization

Size class	Tectal land		Area pure (hectares)	perm	der anent ops	То	tal	Culti	vated	Un	cul-	for	od or rest		Unused	Land
	Hectares	mber	a res)	L				/-		tiv	ated		ınd	Total area	and poten- tially	not clas-
	Ĭ		5 2	Number	Area (hectares)	Number	Area (hectares)	Number	Area (hectares)	Number	Area (hectares)	Number	ea (ares)	area	pro- ductive	sified else- where
		ž	(hec	Z	(hec	Ž	(hec	Z	(hec	Z	(heci	Ž	Area (hectare	Hec- tares	Hec- tares	Hec- tares
													<u> </u>			
II holdings with land																
loldings under 0.5 hectare																
under 0.1 hectare																
0.1 hectare and under 0.2								1								
0.2 hectare and under 0.5																
loldings 0.5 hectare and over																
0.5 hectare and under 1												ĺ				
1 hectare and under 2	1			1								1	ŀ			
2 hectares and under 3	1															
3 hectares and under 4												1				
4 hectares and under 5												1				
5 hectares and under 10																
10 hectares and under 20	1 1										1 1	ĺ				
20 hectares and under 50	1 1															
50 hectares and under 100	1 1											i				
100 hectares and under 200	1 1															
200 hectares and under 500												1				
500 hectares and under 1,000 000 hectares and under 2,500																
											i	i	l			
500 hectares and over												ĺ				
oldings of size not reported											, 1	ĺ				
											. 1	Í				

Table 1.2. - Area, in hectares, of arable land, by size of holding and by land utilization

			Area of arable	land reported		
Size class	Total	Under temporary crops	Under temporary meadows	Under market and kitchen gardens	Temporarily fallow	All other arable land
					:	
All holdings with land		1		1.		
Holdings under 0.5 hectare						
under 0.1 hectare						
0.1 hectare and under 0.2						
0.2 hectare and under 0.5						
Holdings 0.5 hectare and over		1				
0.5 hectare and under 1						
1 hectare and under 2						
2 hectares and under 3						
3 hectares and under 4						
4 hectares and under 5						
5 hectares and under 10						
10 hectares and under 20						
20 hectares and under 50			1			
50 hectares and under 100			1.5			
100 hectares and under 200			1.1			
200 hectares and under 500						
500 hectares and under 1,000			1			
1,000 hectares and under 2,500						
2,500 hectares and over						
Holdings of size not reported						

Table 1.3. - Area, in hectares, of $\frac{}{(\text{Specify tenure of holdings})^1}$ holdings) 1

Size class	Total land	Arable land	Land under permanent crops	Land under permanent meadows and pastures	Wood or forest land	All other land
					,	
All holdings with land	:					
Holdings under 0.5 hectare						
under 0.1 hectare						
0.1 hectare and under 0.2						
0.2 hectare and under 0.5						
						l A
Holdings 0.5 hectare and over	1			1		
0.5 hectare and under 1						
1 hectare and under 2	:					1. 1
2 hectares and under 3						
- :			1	1.		1.0
						1.
						A
50 hectares and under 50	1					
100 hectares and under 200						
200 hectares and under 500			1	1		
500 hectares and under 1,000						
1,000 hectares and under 2,500	V					
2.500 hectares and over	1		1	-		
Z,300 Hectares and Over						
Holdings of size not reported						

¹ A separate table should be prepared for each single form of tenure of the holdings.

Table 1.4. - Area, in hectares, of holdings classified by land utilization and by type of holding

	Holdings producing mainly for home consumption	Holdings producing mainly for sale					
Land utilization class		Total	Crops holdings	Livestock and poultry holdings	Mixed holdings	Other holdings	
Total Arable land Land under permanent crops	:						
Land under permanent meadows and pastures Total Cultivated Uncultivated			3.). 			
Wood or forest land	: .						

Table 1.5. - Area, in hectares, of ______ holdings, by land utilization (Specify type of holdings)¹

	Size class	Total land	Arable land	Land under permanent crops	Land under permanent meadows and pastures	Wood or forest land	All other land
All ho	dings with land						
unde 0.1 i	gs under 0.5 hectare r 0.1 hectare nectare and under 0.2 nectare and under 0.5						
	gs 0.5 hectare and over hectare and under 1 hectare and under 2 hectares and under 3 hectares and under 4 hectares and under 5		:				
5 10 20 50 100	hectares and under 10 hectares and under 20 hectares and under 50 hectares and under 100 hectares and under 200					:	
200 500 1,000 2,500 Holdin	hectares and under 500						

¹ A separate table should be prepared for each type of holdings, e.g., "Holdings producing mainly for home consumption," "Holdings producing mainly for sale," "Crops holdings," etc.

Section 2 - CROPS

Introduction

This section gives the list of crops for which data on area and the number of trees are desired from the countries. Data on production is also required, on an optional basis, for a certain number of crops. It is recognized that a census of agriculture may not be the best means of securing information on crop production and that this information can best be obtained through current surveys. However, a census affords the only opportunity in many countries to obtain information on production.

The proposals included in this section differ from those in the 1960 Program principally in respect of the following:

- 1. The scope of the Program has been broadened so as to obtain, when feasible, data on area irrigated and area nonirrigated for each temporary crop.
- 2. Developing countries are advised to collect information on the area treated with inorganic fertilizers separately for each of the major crops.
- 3. A few crops have been transferred from the list of temporary crops to that of permanent crops.
- 4. A few crops have been introduced into the Expanded List.

5. New tables have been suggested in the Expanded List to provide for the tabulation of data on crops by type of holding.

Proposed census items

The following is the list of crops for which data are desired from the countries participating in the 1970 World Census of Agriculture. It is grouped under three main heads:

- 1. Crops on arable land.
- 2. Permanent meadows and pastures.
- 3. Permanent crops.

The Short List of items for which information is desired from all countries is printed in **bold type**. The Expanded List includes the items printed in bold type as well as in ordinary type. Countries may select from the items printed in ordinary type those suitable to their conditions.

Countries which would have difficulties in collecting data on the number of trees or vines in the census might derive the information from specialized surveys.

SECTION 2 — CROPS

Major		Area	Production	
group Group	Total 1	Irrigated	Not irrigated	Total
21. CROPS ON ARABLE LAND				
21.1 CEREALS HARVESTED FOR GRAIN				
21.11 Wheat				
(a) Winter wheat				
(ii) Soft wheat				•••
(i) Hard wheat (including durum and semihard wheat)				
(ii) Soft wheat	• • •		•••	•••

¹ For developing countries it is advisable to report also on the area treated with inorganic fertilizers separately for each of the major crops (see Explanatory notes to Section 8, "Fertilizers and soil dressings" on page 67).

Major			Area		Production
group Group		Total 1	Irrigated	Not irrigated	Total
21. 21.1			1		
21.12	Rye				
	(a) Winter rye				
	(b) Spring rye				
21.13			2	3	
1 21.14	Millet and sorghum				
	[Exclude broom millet and broom sorghum reported under 21.49 (e)				
	and sweet sorghum which should				
	be reported under 21.41 (c)]				
	(a) Millet				
	(b) Sorghum	•••	•••	•••	
21.15		• • •	• • •		
	Exclude area producing sweet corn, reported under 21.65 (b), hybrid				
	seed for sowing and area producing				
	parent strains for crossing which				
	should be reported under 21.80]				
	(a) Hybrid maize	•••	• • •		•••
21.16	(b) Ordinary maize		***	•••	•••
21.10	Barley(Include barley for all uses)		•••	•••	•••
	(a) Winter barley				
	(b) Spring barley				
21.17	Oats				
	(Include oats for all uses and mature				
	oats fed unthreshed)			3.3	
21.18	, , ,	•••			
21.19	8				
	(buckwheat, quinoa, spelt, etc.)		•••	• • •	•••
21.2 ĽEG	UMINOUS PLANTS MAINLY FOR				
GRA					
	(Include all dry pulse crops except		. production and the second		
	soybeans and groundnuts)				
21.21					
21.22	the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o			• • •	
21.23				***	
21.24	Chick peas (gram)		***	***	
	Edible dry peas		***	***	
21.29	1			***	
	pines, vetches, fenugreek, pigeon peas,				
	cowpeas, bambarra nuts [earth				
	peas], etc.)				
21.3 TUB	ER, ROOT AND BULB CROPS				
	FOOD OR FEED				
24.24	Potatoes				
۱۰.۰۱	(Early and late crops for all purposes,	•••	•••	•••	• • •
	including seed potatoes)				
21.32	Manioc (cassava)				
21.33				• • • • • • • • • • • • • • • • • • • •	
21.34				***	
21.35					
21.36		•••			
21.37				• • •	•••
21.38	, ,	•••	•••	•••	
0	cipally for feed				
	(a) Turnips				xxx
	(b) Mangels (fodder beets)	•••			xxx
	(c) Sugar beets for feed	•••		•••	XXX
	(e) Carrots		•••	•••	xxx xxx
	(f) Swedes				XXX
	—— 建油矿油的医油汽车 机制造油 表制				

¹ For developing countries it is advisable to report also on the area treated with inorganic fertilizers separately for each of the major crops (see Explanatory notes to Section 8, "Fertilizers and soil dressings" on page 67. - ² Wet rice. - ³ Dry rice.

Majo	r				Area		Production
grou	p Group			Total ¹	Irrigated	Not irrigated	Total
21.	21.3	21 39	Other tuber, root or bulb crops grown				
			for food or feed				xxx
	21.4	TEMP	ORARY CROPS MAINLY FOR				
		INDL	ISTRIAL PURPOSES				
		21.41	Sugar crops (a) Sugarcane for sugar				
			[Include area cut for planting, for				
			chewing, and for sugarcane juice. Sugarcane for feed should be re-				
			ported under 21.51 (j) and sugar-				
			cane for thatching under 21.49 (e)] (b) Sugar beets				•
			[For sugar or for alcohol. Sugar beets				
			for feed should be reported under 21.38 (c)				
			(c) Other sugar crops (sweet sor-				
		21.42	ghum, etc.)	•••			
			(a) Cotton	•	•••	•••	
			(b) Flax harvested for fiber				
			cluding hemp for paper mills)	•••	•••		
			(d) Jute				
			kenaf, urena, etc.)	•••		•••	
	21.4	21.43	Oilseed crops (a) Groundnuts (peanuts, for all				
			purposes)	1 3			
			(b) Soybeans (for all purposes) (c) Linseed [Flax for fiber is included				
			under 21.42 (b)]		•••		
			(d) Mustard(e) Poppy seed		•••		
			(f) Hempseed(g) Castor beans				
			(g) Castor beans				
			(i) Sunflower(j) Rapeseed or colza	•		• • •	
			(k) Other oilseed crops (e.g., saf-				
		21.44	flowers seed, niger seed, etc.) Spices, condiments, aromatic, and me-	••		•••	
		21.77	dicinal plants				
			(a) Dry peppers, pimentos or chilies (Exclude sweet peppers and fresh				
			chilies used as vegetables which				
			are to be reported under group 21.62)				
			(b) Other cultivated spices, condi-				
			ments, medicinal and aromatic plants (e.g. aniseed, licorice, opi-		4 J. A.		
			um, cardamom, caraway seed, etc.)	• • •	•••		xxx
		21.45	Essential oil plants (e.g., geranium, lavender, mint, etc.)				xxx
		21.49	Other industrial crops				
			(a) Tobacco		• • •	•••	
			(ii) Other types		•••	•••	
			(b) Hops		•••	•••	
			greens which should be reported				
			under 21.61 (g)]	•••			
			(e) Other crops for industrial pur-				
			poses not included elsewhere (e.g., indigo, henna, broom millet,				
			broom sorghum, esparto grass,				xxx
			sugarcane for thatching, etc)				

¹ For developing countries it is advisable to report also on the area treated with inorganic fertilizers separately for each of the major crops (see Explanatory notes to Section 8, page 67).

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Major group Group

21.

Group			Total ¹	Irrigated	Not irrigated	Total
21.5 TEMP	ORARY FODDER CROPS					
21.51	Legumes, grasses and cereals cut for					
	hay, green feed, or silage (Include all	- 1				
	rotation land from which temporary crops were cut, even if also grazed					
	before or after fodder was cut)					
	(a) Alfalfa alone	1				xxx
	(b) Clover alone					xxx
	(c) Other leguminous forage crops	- 1				
	alone (lespedeza, sainfoin, soy-					
	bean hay, etc.)					xxx
	(d) Leguminous forage crop, mixed		•••	••••	• • •	xxx
	(e) Grasses alone (timothy, red-top,					
	sudan, orchard grass, etc.)		•••	• • •	•••	XXX
	(f) Grasses, mixed		•••	•••	• • • •	XXX
	(g) Mixed legumes and grasses (h) Maize (corn) for silage		• • •	• • •	•••	XXX
	(h) Maize (corn) for silage		• • • • • • • • • • • • • • • • • • • •		• • •	xxx
	'feed or silage					xxx
	(i) Other fodder crops cut for hay,					
	green feed or silage (e.g., sugar-					
	cane for feed, maize and soybeans					
	mixed, etc.)					xxx
21.52	Legumes, grasses and cereals grown					
	only for grazing (Exclude all rotation					
	land from which grasses, legumes,					
	cereals were cut for hay or for green	1				
	feed and/or silage which should be			4 4 4		
	reported under 21.51)			•••	• • •	xxx
	(a) Alfalfa, clover and other legumi-					
	nous plants		• • •		•••	XXX
	(b) Grasses		• • •		• • • •	xxx xxx
	(c) Mixed legumes and grasses (d) Cereals			• • •	• • •	XXX
24 50				• • •		^^^
21.59	Other fodder crops not included elsewhere					
	(a) Cabbage for fodder			•		xxx
	(b) Pumpkins for fodder					xxx
	(c) Sunflower for fodder					xxx
	(d) Others					xxx
1.6 VEGE	TABLES AND MELONS GROWN IN					
	OPEN, PRINCIPALLY FOR HUMAN			4		
CON	SUMPTION			:		
	(Groups 21.61 to 21.66 include all					
	vegetables and melons produced mainly					
	for sale, whether produced as field					
	crops or in market gardens. Vege-					
	tables and melons grown principally					
	for home consumption should be re-			1 4		
	ported under 21.67. Crops used					
	partly for human consumption and					
	partly as fodder should be considered					
	as vegetables only if their principal use is for human consumption.					
	Crops used principally as fodder					
	should be reported under Major					
	Group 21.3 (Tuber, root and bulb					
	crops for food or feed), or under					
	group 21.59 (other fodder crops).					
	Vegetables grown only for seed					
	should be reported under Group					
	21.80)	. 1				
21.61	Leafy or stem vegetables produced		4 1 4 4		1 1 1	

Area

Production

¹ For developing countries it is advisable to report also on the area treated with inorganic fertilizers separately for each of the major crops (see Explanatory notes to Section 8, "Fertilizers and soil dressings" on page 67).

Maine			Area		Production
Major group Group		Total 1	Irrigated	Not irrigated	Total
21. 21.6					
	(c) Kale				
	(d) Artichokes				
	(e) Asparagus				
	(f) Celery	•••		•••	
	(g) Chicory for greens				
	(i) Spinach (Include silver beet or				
	spinach beet)	•••			
	(j) Leek	•••	•••		
	(k) Endive(l) Cress (including watercress and	• • •	•••	•••	•••
	American cress)				
	(m) Rhubarb				
	(n) Other leafy or stem vegetables				
(,,	(e.g., fennel, corn salad, etc.).	•••	•••	•••	xxx
21.6	, , ,				
	(a) Watermelons				
	(b) Cantaloupes and other melons.	•••			
	(c) Pumpkins	• • •			
	(d) Squash(e) Gourds		• • •	•••	
	(e) Gourds				
	(g) Eggplant				
	(h) Okra				
	(i) Tomatoes	•••	•••		•••
	(j) Chilies (fresh)				
	(1) Other fruit-bearing vegetables				
	(e.g., chayote, etc.)				xxx
21.6	, , ,				
	produced mainly for sale				
	(a) Green garlic	•••	•••	•••	
	(c) Red beets				
	(d) Carrots				
	(e) Radishes (including horseradishes)			•••	
	(f) Rutabagas or swedes and kohlrabi	•••	•••	•••	
	(h) Other root, bulb and tuberous				
	vegetables (e.g., cardoon, celeriac,				
	parsnip, scorzonera, salsify, etc.)	• • •			xxx
21.6			•		
	sumption produced mainly for sale (a) Beans (harvested green)				
	(b) Peas (harvested green)				
	(c) Other leguminous vegetables (e.g.,				
	broad beans harvested green,				
24	cowpeas harvested green, etc.)	• • •	•••	•••	xxx
21.0	65 Other vegetables for human con- sumption produced mainly for sale				
	(a) Cauliflower and broccoli				
	(b) Corn (sweet)	• • •			
	(c) All other vegetables not reported			1.5	
31.	elsewhere		•••		xxx
21.0	66 Cultivated mushrooms mainly for sale (Include those grown in caves, cellars				
	and elsewhere)				
21.0	67 All vegetables and melons grown				
	primarily for home consumption, in-				
	cluding those from kitchen gardens	•••		•••	xxx
24.7 CDF	CIAL HORTICH TURAL CULTUATION				
	CIAL HORTICULTURAL CULTIVATION				A SA
21.	71 Flowers grown in the open (for sale,	A. S. S.			
21.	seed or industrial purposes)	•••		•••	xxx
	72 Flower bulbs and corms	•••	•••	•••	XXX
	plants grown in the open			•••	xxx

¹ For developing countries it is advisable to report also on the area treated with inorganic fertilizers separately for each of the major crops (see Explanatory notes to Section 8, "Fertilizers and soil dressing" on page 67).

Major			Production		
group Group		Total ¹	Irrigated	Not irrigated	Total
21. 21.7 21.74	Cultivation under glass (total)				xxx
	(a) Cultivation of vegetables (b) Cultivation of flowers and/or or-				xxx
	namental plants(c) Mixed cultivation (e.g., vegetables and flowers)			•••	xxx
21.8 CROPS PURPO	GROWN FOR SEED FOR SOWING				
(Include	only those areas solely or mainly the production of seed not reported				XXX
21.9 OTHER	CROPS ON ARABLE LAND				
21.99	Green manure crops				xxx xxx
22. PERMAI	vent meadows and pastures				
	ent grassland cut for hay				XXX

¹ For developing countries it is advisable to report also on the area treated with inorganic fertilizers separately for each of the major crops (see explanatory notes to Section 8, "Fertilizers and soil dressings" on page 67).

	Area in compact plantations			Number of trees or vines				
	Area in	compact pla	intations				15	
Major de la late de late de la late de la late de la late de la late de la late de la late de la late de l		Trees or	Trees or vines of	In co	mpact plant	ations		Produc-
group Group	Total	vines of productive age	non- productive age	Total	Of productive age	Of non- productive age	Scattered total	tion
23. PERMANENT CROPS								
				* .				
23.1 FRUIT TREES AND VINES								
23.11 Citrus trees (a) Oranges								
(b) Mandarines and tange-								
rines (including clemen-								
tines and satsuma)		•••						:::
(c) Lemons								
(e) Sour limes								
(f) Other citrus fruit (e.g.,								
bitter orange, sweet limes, citrons, bergamots, etc.).								xxx
23.12 Pome fruit trees (a) Apples								1
(b) Pears	1						• • • •	
(c) Quince		• • • •						
(d) Medlars (e) Other pome fruit (e.g.,		•••			•••			1
loquat, etc.)								xxx
23.13 Stone fruit trees								
(a) Apricots					i			
(b) Cherries							• • • • •	
(c) Peaches (incl. nectarines).								
(d) Plums and prunes (e) Other stone fruit								xxx
23.14 Other cultivated fruit trees								
(a) Dates				1				
(b) Figs							• • • • •	
(c) Breadfruit			• • • •					
(d) Mangoes								
(f) Custard apple								\
(g) Guava					• • • •			
(h) Pomegranate			• • • •	• • • •				1
(i) Zapote	1 :::							
(k) Bananas				xxx	xxx	xxx	xxx	• • • •
(1) Plantains		1		XXX	xxx	XXX	xxx	
(m) Pineapples				xxx				
23.15 Small cultivated fruit								
(a) Strawberries				xxx	xxx	xxx	xxx	
(b) Raspberries				xxx	xxx	xxx	XXX	
(c) Gooseberries		1	• • • •	XXX	XXX	XXX	XXX	
(d) Currants				XXX	XXX	xxx	xxx	
(f) Cranberries				xxx	xxx	xxx	xxx	
(g) Other cultivated small fruit								
and berries (e.g., black- berries)				xxx	xxx	xxx	xxx	xxx
	1							
23.16 Cultivated edible nut trees (a) Almonds								
(b) Walnuts			1					• • • •
(c) Cashew nuts			•••	• • • • •		1		
(d) All other edible nut trees (e.g., pecan, hazelnut or								
(e.g., pecan, nazemut or filbert, chestnut, pistachio								
nut, Brazil nut, Macadamia								
[Queensland nut], etc. [ex-								xxx
cluding coconut])	••••	1	•••				~~~	
23.17 Grapes			• • • •	XXX	XXX	XXX	XXX	
(a) Grapes for wine and juice (b) Grapes for table use				XXX	xxx	xxx	xxx	
(c) Grapes for raisins				xxx	xxx	xxx	xxx	
计函数函数 网络多克尔马克尔马尔 化二氯甲基苯酚苯	- 1					4 1 1 1 1 1 1 1	1	1

	Area in	compact pla	ntations		Number of t	rees or vine	s	
Major group		1	Trees or	In co	mpact plant	ations		Produc-
Group 23. 23.1	Total	Trees or vines of productive age	vines of non- productive age	Total	Of productive age	Of non- productive age	Scattered total	tion
								1
23.19 Other cultivated fruit (including mulberry grown for fruit,								
carob, litchi, etc.)		•••	• • • • •	•••	•••	• • • •	• • • • • • • • • • • • • • • • • • • •	XXX
23.2 PERENNIAL CROPS YIELDING SPICES, CONDIMENTS, AND ARO- MATIC PRODUCTS			*					
23.21 Cinnamon								
23.22 Cloves							• • •	
23.23 Nutmeg and mace			•••					
23.25 Vanilla								
23.26 Ginger 23.29 Other perennial crops yielding spices, condiments, and aro-				•••			•••	
matic products (drumstick, etc.)				•••	•••			XXX
23.3 PERMANENT CROPS MAINLY FOR INDUSTRIAL PRODUC- TION								
23.31 Crops for beverage and								-
stimulant production								
(a) Coffee								
(c) Tea								
(d) Yerba mate								xxx
23.32 Crops for oil production					•••			
(a) Coconut								
(b) Oil palm								
(d) Other (e.g., tung trees, etc.)								xxx
23.33 Crops for fiber production (a) Agave plants				xxx	xxx	xxx	×××	
(i) Sisal				xxx	xxx	xxx	xxx	
(ii) Henequen				XXX	XXX	XXX	XXX	xxx
(b) New Zealand flax (formio)								
(c) Abaca (Manila hemp) (d) Ramie and rhea		• • • •						
(e) Kapok								
(f) Other (e.g., fique, etc.).								xxx
23.34 Crops for rubber and tan- ning production								
(a) Rubber (Hevea) (b) Black wattle								
(c) Quebracho								
(d) Other				•••				xxx
23.39 Other permanent crops mainly for industrial purposes which are not included elsewhere (e.g., sago palm, palmyra palm,				·.	A CANADA MINISTRAÇÃO			
citronella, lemon grass, mul- berry for silkworms and paper,								
etc.)								xxx
23.4 NURSERIES	• • • •	xxx	xxx	xxx	×××	xxx	×××	xxx
and vines	•••	xxx	xxx	xxx	xxx	xxx	xxx	xxx
nent plants	···	XXX	xxx	xxx	×××	×××	xxx	xxx
namental trees, and bushes		xxx	xxx	xxx	xxx	xxx	xxx	xxx
23.5 PERMANENT CROPS GROWN PRI- MARILY FOR HOME CONSUMP- TION IN KITCHEN GARDENS		• •						xxx
23.9 OTHER PERMANENT CROPS NOT								
INCLUDED ELSEWHERE (specify)			• • •	• • •	• • • •			

Definition of census items and explanatory notes

COVERAGE

This section applies to cultivated field crops (including vegetables grown in market gardens and cultivation under glass) and trees only. Wild plants or trees should not be enumerated in the census. Information on production from uncultivated plants, if collected, should in any case be tabulated separately.

TIME REFERENCE

If aggregate areas under crops are reported, data for crops grown on arable land should refer to a specific year, such as an agricultural year or a year preceding the date of enumeration, i.e., the period of one year ending at the date of enumeration. Data on crop production should refer to the same period.

Some countries having only one crop season of importance may prefer to report areas under crops at a specific date, e.g., the day of enumeration or some other day close to this.

Information on land under permanent meadows and pastures, areas under permanent crops, number of trees and vines should refer to the same specific date as determined above.

The time reference for the above-mentioned topics should be clearly stated.

CROP AREA

The area to be reported under each crop should be carefully defined, both when reporting on crops grown on arable land and when reporting on land used for permanent crops. If the area cannot be reported directly, it may be possible to derive information on the area under crops by indirect methods, for instance, from the amount of seed sown or planted or from data on production.

For crops grown on arable land, "Area harvested" should be reported. When "Area sown" or "Area under crops at the census date" is reported, this should be stated clearly. Wherever possible, net area (that is, the area actually cultivated) rather than gross area (that is, the whole area of the field-bearing crop, including bunds, uncultivated patches, small irrigation ditches, etc.) should be reported.

For permanent crops the gross area occupied by each crop should be reported. Countries wishing also to report area under scattered trees, which item is not included in the Program, may convert the number of trees into area under these trees by allocating a standard area to each tree.

TREES OF PRODUCTIVE AGE

In the case of tree crops, the trees must have reached a certain age before they come into production. Trees in productive period should be enumerated as "Of productive age" regardless of the fact that, owing to meteorological conditions or other reasons, they have given no harvest in the year preceding the census. Senile trees or other trees no longer in production should generally not be enumerated at all. However, some countries may wish to include these trees in the census. In such cases, they should be reported separately.

PRODUCTION

In reporting crop production, countries are urged to indicate the stage of processing to which the figures relate. Production should be reported as closely as possible to the harvest stage, i.e., before further processing.

CROPS CULTIVATED SIMULTANEOUSLY ON THE SAME LAND

Different crops may be cultivated simultaneously on the same piece of land in such a way that it is difficult to ascertain which part of the total area is to be ascribed to each crop. In reporting area under crops it is suggested that whenever possible an effort should be made to estimate the area which each crop would have covered if it had been grown alone. There are two main types of such combinations of crops: i.e., mixed and associated crops. Mixed crops refer either to temporary crops grown simultaneously in the same field or to different permanent crops grown together. Associated crops refer to a combination of both temporary and permanent crops. For land utilization purposes in the case of associated crops, when possible the total physical area of the field occupied by these crops should be divided between the two groups: temporary and permanent, in proportion to the coverage of the area by each of the component groups. Otherwise, the whole area should be attributed to the group which the holder considers as being the more important. For estimation of area of individual crops, in the case of both mixed and associated crops, different methods to arrive at the single crop equivalent area can be used, such as quantities of seed used, densities of plants in crop mixtures as compared with the density in pure stands, eye estimates of the different areas occupied by component crops, number of trees per unit of area, etc.

The allocation of area in the case of mixed and associated crops could be made either in the field or at the central office. In the latter case, the enumerators should collect in the census all elements required for making this conversion.

Crops which are grown and harvested as mixtures, (e.g., mixed grains, grasses grown for hay, etc.) should be treated as a single crop and no attempt should be made to determine the area of each component crop.

AREA SOWN MORE THAN ONCE IN THE YEAR

Several crops may be grown and harvested successively on the same land several times during the agricultural year. Countries having more than one crop season of importance are urged to report under crop area the aggregate area which may result from either successive plantings or successive sowings on the same physical area during the specified period of time to which the census may refer. In the case of successive pickings from the same crop, however, the area should be reported only once.

Crops yielding more than one product

Where the same crop yields more than one product, as is the case for hemp, flax, or cotton (fiber and seed), and data on production are collected through the census for the different products obtained, the area should be given under the principal product and repeated under the secondary product, but in such a way that there is no risk of duplication in the area totals, e.g., including the area figures under the secondary product within brackets (...).

CROP AREA UNDER IRRIGATION

Irrigated area refers to the area purposively supplied with water other than rain (but including flooding of the land by river water) during the year of reference of the census.

Tabulation plans

The following tables are submitted to indicate the comparable data which are desired on this section of the census from the countries participating in the 1970 World Census of Agriculture. The items printed in **bold type** are those on which information is required from all countries. From the items printed in ordinary type, countries may select those which are suitable to their conditions.

Tables 2.1, 2.2 and 2.3 refer to all holdings with land. Countries which are in a position to do so are requested to tabulate the same tables also according to:

- (a) single form of tenure of the holding, i.e., separately for holdings owned by the holder or in ownerlike possession, for holdings rented, etc.;
- (b) type of the holding, i.e., separately for holdings producing mainly for home consumption, for holdings producing mainly for sale (total), for crop holdings, etc.

		Area of	crop re	ported 2	Quantity produced
Size class	Number of holdings reporting (State name of crop on arable land)	Total ³	Irri- gated	Not irri- gated	(unit of measure)
All holdings with land					
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 20 20 hectares and under 50 50 hectares and under 20 20 hectares and under 20 20 hectares and under 50 50 hectares and under 50 50 hectares and under 50 50 hectares and under 50 500 hectares and under 50 500 hectares and under 500 500 hectares and under 500 500 hectares and under 500 500 hectares and under 500 500 hectares and under 500					
Holdings of size not reported		Å.			

¹ A similar table should be prepared for each of the crops on "Arable land" (Major group 21) listed in the Program. Number of holdings reporting refers to the crop included in the table. - ² Indicate whether the area reported in the table is "Harvested," "Sown" or "Under crop at the census date," and also whether the data refer to net or gross area. - ³ In cases where a country also collects in the census information on the area of the crop treated with inorganic fertilizers, this column should be subdivided into "Total" and "Of which area treated with inorganic fertilizers."

Table 2.2. - (State name of permanent crop), area and number of trees and vines, and production 1

	Num- ber of		Compact plantations						Scatt trees o		
Sire class				Area		Number of trees or vines				Number of trees or vines	Quan- tity pro-
		(State hold-name ings of per-ma-ing pro-ma-name ing pro-ma-name ing name in		Trees or vines of non- pro- ductive age	Total	Of productive age	Of non- pro- ductive age	Num- ber of hold- ings report- ing	(unit o meas-		
All holdings with land											
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5											
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4											
4 hectares and under 5. 5 hectares and under 10. 10 hectares and under 20. 20 hectares and under 50.											
50 hectares and under 100		A CONTRACTOR OF THE CONTRACTOR									
1,000 hectares and under 2,500											

¹ A similar table should be prepared for each of the "Permanent crops" (Major group 23) listed in the Program.

Table 2.3. - Holdings reporting 1 (State name of crop), by area harvested 2 and by size of holding

	All		Numb	per of holding	s reporting (State name of	сгор)	١
Size class	holdings reporting	Under 1 hectare	1 hectare and under 2	2 hectares and under 3	3 hectares and under 5	5 hectares and under 10	10 hectares and under 20	20 hectares and over ³
All holdings with land							,	
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5				-				
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2								
2 hectares and under 3								
5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 100								
100 hectares and under 100	-							
1,000 hectares and under 2,500								
Holdings of size not reported	AND THE PROPERTY OF THE PROPER							

¹ This table can be repeated for each crop, or at least for the most important ones. - ² Some countries report area "Sown" or "Under crop at the census date" rather than area "Harvested." In that case the table should so read. - ³ Countries may extend the classification of area reported under each crop to suit their needs.

Section 3 - LIVESTOCK AND POULTRY

Introduction

This section deals with the number of livestock and poultry on agricultural holdings and their distribution by species, age, sex and purpose.

The proposals in this section are essentially the same as those of the 1960 Program. A few items have been added and the elaborate classification of horses by age has been deleted. The classification of cattle by use or purpose has been changed somewhat and items on beehives and colonies have been transferred to the Expanded List.

Under tabulation plans, some tables are suggested for the classification of livestock and poultry by type of holding.

Proposed census items

The following is the list of items for which it is suggested that countries participating in the 1970 World Census of Agriculture produce comparable information. The Short List of items for which information is desired from all countries is printed in **bold type**. The Expanded List includes the items printed in bold type as well as those printed in ordinary type. Countries may select from the items printed in ordinary type those which are suitable to their conditions.

SECTION 3 - LIVESTOCK AND POULTRY

Major			Number	
group Grou		Total	Male	Female
			-	
31.	HORSES, MULES, ASSES, AND CAMELS			
31.1	Horses (all ages)		xxx	xxx
	31.11 Horses under 3 years of age		xxx	XXX
	31.12 Horses 3 years of age and over		xxx	xxx
31.2	Mules (all ages)		xxx	xxx
31.3	Asses (all ages)		xxx	xxx
31.4	Camels (all ages)		xxx	xxx
	31.41 Camels under 4 years of age		xxx	XXX
	31.42 Camels 4 years of age and over		xxx	xxx
32.	CATTLE ¹		*.	
32.1	Cattle (all ages), classified by age and sex	* *.		
J2.1	32.11 Cattle under 2 years of age		***	•••
	(a) Calves under 1 year of age		• • • •	***
	(b) Young stock 1 year of age and under 2 years			• • •
	32.12 Cattle 2 years of age and over (including males whether			
	castrated or not)			
32.2	in the second of			•••
	32.21 Cows in productive age			
	(a) Kept for milk production	• • •	xxx	xxx xxx
	(b) Kept for meat production	• • •	xxx	XXX
	(c) Kept for draft		xxx	XXX
	(d) Kept for mixed purposes		xxx	xxx
	in the first of the control of the c			

¹ Some countries may wish to inquire into milk production under "Cattle and buffaloes."

A 32.22 Heifers in calf	32.22 Heifers in calf	ajor oup			A PARA BARA BARA A Number - PARA PARA BARA				
32.22 Heifers in calf	32.22 Heifers in calf		P		Total	Male	Female		
(a) Raised for milk production	(a) Raised for milk production (b) Raised for meat production (c) Raised for draft and mixed purposes (c) Raised for draft and mixed purposes xxx 32.23 Bulls used for service xxx xxx xxx 32.24 Other cattle xxx (a) Calves for breeding xxx (b) Calves for meat production xxx xxx (c) Cull cows for fattening xxx (d) Other adult animals for meat (including steers and bulls) xxx (e) Intended primarily for use as draft oxen xxx xxx xxx xxx xxx xxx xxx	2. 32.2			100000				
(a) Raised for milk production	(a) Raised for milk production (b) Raised for meat production (c) Raised for draft and mixed purposes (c) Raised for draft and mixed purposes xxx 32.23 Bulls used for service xxx xxx xxx 32.24 Other cattle xxx (a) Calves for breeding xxx (b) Calves for meat production xxx xxx (c) Cull cows for fattening xxx (d) Other adult animals for meat (including steers and bulls) xxx (e) Intended primarily for use as draft oxen xxx xxx xxx xxx xxx xxx xxx		32.22	Heifers in calf					
(b) Raised for meat production (c) Raised for draft and mixed purposes 32.23 Bulls used for service 32.24 Other cattle (a) Calves for breeding (b) Calves for meat production (c) Cull cows for fattening (d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen (f) Others 33.1 Buffaloes (all ages), classified by age and sex 33.11 Buffaloes under 3 years of age (a) Calves under 1 year of age (b) Young buffaloes 1 year of age and under 3 years 33.12 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified b	(b) Raised for meat production (c) Raised for draft and mixed purposes 32.23 Bulls used for service 32.24 Other cattle			(a) Raised for milk production		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
(c) Raised for draft and mixed purposes 32.23 Bulls used for service 32.24 Other cattle (a) Calves for breeding (b) Calves for meat production (c) Cull cows for fattening (d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen 33.1 Buffaloes (all ages), classified by age and sex 33.11 Buffaloes under 3 years of age (a) Calves under 1 year of age (b) Young buffaloes 1 year of age and under 3 years 33.2 Buffaloes (all ages), classified by use or purpose 33.3 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use	(c) Raised for draft and mixed purposes 32.23 Bulls used for service 32.24 Other cattle (d) Calves for breeding (xxx xxx xxx xxx xxx xxx xxx xxx (b) Calves for meat production (c) Cull cows for fattening (d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen 33.11 Buffaloes (all ages), classified by age and sex 33.11 Buffaloes (all ages), classified by age and sex 33.12 Buffaloes 3 years of age (b) Young buffaloes 1 year of age and under 3 years 33.12 Buffaloes (all ages), classified by use or purpose 33.21 Buffaloes (all ages), classified by use or purpose 33.22 Heifers in calf (a) Raised primarily for milk production (b) Others (c) Raised primarily as draft animals (c) Raised primarily as draft animals (c) Raised primarily as draft animals (d) Intended primarily as draft animals			(b) Raised for meat production					
32.23 Bulls used for service 32.24 Other cattle	32.23 Bulls used for service 32.24 Other cattle (a) Calves for breeding (b) Calves for meat production (c) Cull cows for fattening (d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen (f) Others 33.11 Buffaloes (all ages), classified by age and sex 33.11 Buffaloes under 3 years of age (a) Calves under 1 year of age (b) Young buffaloes 1 year of age and under 3 years 33.12 Buffaloes (all ages), classified by use or purpose 33.21 Buffaloes (all ages), classified by use or purpose 33.21 Buffaloes (all ages), classified by use or purpose 33.21 Buffaloes (all ages), classified by use or purpose 33.22 Heifers in calf (b) Others (c) Others (d) Raised primarily for milk production (d) Raised primarily for milk production (e) Others (f) Others (g) Intended primarily as draft animals (f) Other wxxx (g) Intended primarily as draft animals (f) Other wxxx (g) Intended primarily as draft animals (f) Other wxxx (f) Other wxxx (f) Intended primarily as draft animals (f) Other wxxx (f) Intended primarily as draft animals (f) Other wxxx (f) Intended primarily as draft animals			(c) Raised for draft and mixed purposes					
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(c) Cull cows for fattening (d) Other adult animals for meat (including steers and bulls)	(c) Cull cows for fattening (d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen (f) Others 33.1 Buffaloes (all ages), classified by age and sex 33.11 Buffaloes under 3 years of age (a) Calves under 1 year of age (b) Young buffaloes 1 year of age and under 3 years 33.12 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose 33.2 Buffaloes (all ages), classified by use or purpose			(a) Calves for breeding		xxx	xxx		
(d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen	(d) Other adult animals for meat (including steers and bulls) (e) Intended primarily for use as draft oxen.			(b) Calves for meat production		xxx	xxx		
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(e) Intended primarily for use as draft oxen	(e) Intended primarily for use as draft oxen			(d) Other adult animals for meat (including steers and					
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(b) Others	(b) Others			(a) Raised primarily for milk production		xxx	xxx		
33.29 Other buffaloes	33.29 Other buffaloes			(b) Others		xxx	xxx		
(a) Intended primarily as draft animals	(a) Intended primarily as draft animals		33.29	Other buffaloes		XXX	xxx		
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¹ Some countries may wish to inquire into milk production under "Cattle and buffaloes."

Maj			Number
giot	Group		
34.			
	34.1	Sheep (all ages)	
		34.11 Lambs under 1 year of age	
		(a) Male (whether castrated or not)	
	343	(b) Female	
	34.2	Sheep (including lambs) clipped during the year	Quantity
	24.2		
	34.3	Wool (total production in the year, indicating whether in the grease or washed)	
			Number
35.		GOATS	
	35.1	Goats (all ages)	
		35.11 Goats under 1 year of age	
		35.12 Goats 1 year of age and over	•••
		(b) Female	
	35.2	Goats clipped during the year	
	35.3	Coat hair and explain (total production in the year indicating	Quantity
	33.3	Goat hair and mohair (total production in the year, indicating whether in the grease or washed)	
			Number
36.		PIGS	
	36.1	Pigs (all ages)	
		36.11 Pigs under 6 months of age	
		36.12 Pigs 6 months of age and over (a) Sows and gilts for breeding 6 months of age	
		and over	
		(b) All other pigs 6 months of age and over (Include sows for fattening)	
37.		POULTRY AND RABBITS	
	37.1	Hens, cocks, pullets, and chicks (total)	
		37.11 Cockerels, pullets, and chicks under 6 months of age	
	27.2	37.12 Cocks, capons, hens, and pullets 6 months of age and over	
	37.2 37.3	Laying hens (of those already reported under 37.12) Ducks and ducklings (all ages)	
	37.4	Geese and goslings (all ages)	
	37.5	Turkeys and poults (all ages)	
	37.6	Guinea fowls (all ages)	
	37.7	Pigeons (all ages)	
	37.8	Rabbits and hares kept in captivity (all ages)	
38.		OTHER DOMESTICATED ANIMALS	
	38.1	Bees 38.11 Beehives and colonies	
		30.11 Beelifyes and colonies	Quantity
		38.12 Honey (amount obtained in the year from beehives and	
		colonies reported under 38.11)	
		colonies reported under 38.11)	
	38.2	Silkworms 38.21 Silkworm eggs placed in incubation	
		38.22 Fresh cocoons produced	
	20.2		Number
	38.3 38.4	Llamas, guanacos, alpacas, and vicuñas (all ages) Fur-bearing animals (reared in captivity for fur or skin)	
	JU.T	38.41 Foxes (total)	
		38.42 Minks (total)	
	38.9	38.49 Other fur-bearing animals	
		reindeers, zebras, ostriches, elephants, etc.)	

Definition of census items and explanatory notes

COVERAGE

It is proposed that the census include all livestock present on each holding, irrespective of its ownership, plus that owned by the holder which at the time of the enumeration is in transit or temporarily away from the holding to which it belongs but not on other agricultural holdings. Livestock found on communal grazing land at the time of the enumeration should be reported on the holding of the owner. Where livestock is associated with more than one agricultural holding, it should be enumerated only in the holding where it is kept during the night. The census should, in principle, be restricted to animals used mainly for agricultural purposes.

Beehives and colonies should be enumerated on the holding of their owner, regardless of the place where they are located at the date of the census.

TIME REFERENCE

Information on number of livestock and poultry should refer to a specific date, usually the day of enumeration or some other day close to this. Data on production of livestock products (Groups 34.3, 35.3, 38.12, 38.13 and 38.22) should refer to a specific year, such as the last agricultural year or the year preceding the date of enumeration. The same reference period should be selected for data on number of sheep clipped (Group 34.2), on number of goats clipped (Group 35.2) and on quantity of silkworm eggs placed in incubation (Group 38.21). It should also coincide with the time reference selected for recording crop production in Section 2.

AGE OF LIVESTOCK

The subdivision by age proposed for various kinds of livestock is intended for the separation of

data on mature animals from those on young animals. Keeping this in mind, countries where the age of maturity of some kind of livestock or poultry is higher than, or lower than, that indicated in the "Proposed census items," should change the age classes accordingly, e.g., if in a country the age of maturity of cattle is 3 years, items 32.11 and 32.12 should include "3" instead of "2." If, in a country, the age of maturity of cocks, capons, hens and pullets is 4 months, items 37.11 and 37.12 should include "4" instead of "6."

SHEEP OR GOATS CLIPPED

Sheep (including lambs) or goats clipped more than once during the year should be reported only once.

Tabulation plans

The following tables are submitted to indicate the comparable data which are desired in this section from the countries participating in the 1970 World Census of Agriculture. The items printed in **bold type** are those on which information is desired from all countries. From the items printed in ordinary type, countries may select those suitable to their conditions. Many countries may wish to classify all livestock by size of holding as part of the minimum program for tabulation, while countries in other regions may classify only certain species of livestock by these items, depending upon the role of the particular species in their agriculture.

The tables in the section relate to all agricultural holdings. Countries which are in a position to do so are requested to tabulate the data also by type of holding, i.e., separately for holdings mainly for home consumption, separately for holdings producing mainly for sale, separately for crops holdings, etc.

Table 3.1. - Number of horses, mules, and asses, by size of holding 1

		Ho	rses		М	ıles	As	ses
Size class	Number of holdings reporting horses	Total number of horses reported	Number of horses under 3 years of age	Number of horses 3 years of age and over	Number of holdings reporting mules	Number of mules reported	Number of holdings reporting asses	Number of asses reported
All holdings with and without land							:	
Holdings without land Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5		* .			-			
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10								
10 hectares and under 20 20 hectares and under 50 50 hectares and under 100 100 hectares and under 200 200 hectares and under 500 500 hectares and under 1,000				:				
1,000 hectares and under 2,500								

¹ Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding.

Table 3.2. - Number of cattle, by size of holding, age, and sex 1

	Total (all :		Numb cattle 2* y of a	under ears	Numb calves 1 year	under	cattle of ag	ber of 1 year e and er 2*	catt years	ber of le 2* of age over
Size class	Num- ber of hold- ings re- port- ing	Num- ber of head	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
All holdings with and without land										
Holdings without land										
Holdings under 0.5 hectare										
under 0.1 hectare										
0.1 hectare and under 0.2										
0.2 hectare and under 0.5										,
Holdings 0.5 hectare and over								1		
0.5 hectare and under 1										
1 hectare and under 2										
2 hectares and under 3										
3 hectares and under 4								1		
4 hectares and under 5										1
5 hectares and under 10										
10 hectares and under 20		ļ								
20 hectares and under 50										1
50 hectares and under 100		1								
100 hectares and under 200				Ì						
200 hectares and under 500										
500 hectares and under 1,000										
1,000 hectares and under 2,500		1		and the same of th	1					
2,500 hectares and over										
Holdings of size not reported	-									

^{*} For countries where the age of maturity is different from 2 years, the figure "2" should be changed accordingly.

¹ Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding.

Table 3.3. - Number of cattle, classified by use or purpose, by size of holding

ldings with and without land becare and under 0.5 hectare and under 1.5 hectares and under 1.5 hectares and under 1.5 hectares and under 1.5 hectares and under 1.5 hectares and under 1.5 hectares and under 1.5 hectares and under 1.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 1.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 2.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under 3.5 hectares and under	Size class Siz		-		Cows in	in active status Kept for	tus for			Heifers in calf	in calf Raised for				Calves for		Other cattle	_	
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Holdings without land under 0.1 hecters and under 0.2 0.2 hecters and under 0.2 0.5 hecters and under 1 1. hecters and under 3 2. hecters and under 3 3. hecters and under 1 1. hecters and under 1 2. hecters and under 1 3. hecters and under 1 4. hecters and under 1 5. hecters and under 1 6. hecters and under 1 7. hecters and under 1 8. hecters and under 1 9. hecters and under 10 10. hecters and under 10 10. hec	Holdings without land Holdings under 0.5 hectare under 0.1 hectare and under 0.2 0.2 hectare and under 1.5 0.5 hectare and under 1.7 1 hectare and under 1.7 2 hectare and under 2.7 3 hectares and under 2.7 5 hectares and under 2.7 6 hectares and under 2.7 7 hectares and under 2.7 8 hectares and under 2.7 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.0 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and under 1.5 9 hectares and	All holdings with and without land																	
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2,500 hectares and over Holdings of size not reported	2,500 hectares and over Holdings of size not reported														1			- N	
Holdings of size not reported	Holdings of size not reported																		
		Holdings of size not reported																	

Table 3.4. - Number of holdings reporting specified number of cattle, by size of holding

				Nun	nber of h	oldings re	porting o	attle			
Size class	Total	1 head	2 head	3 to 4 head	5 to 9 head	10 to 19 head	20 to 49 head	50 to 99 head	100 to 199 head	200 to 499 head	500 head and over
All holdings with and without land								1 1			
Holdings without land	1			· .							
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5			A CONTRACTOR OF THE CONTRACTOR								į.
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2											:
2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10											
10 hectares and under 20							Print P man Corre				
200 hectares and under 500											
2,500 hectares and over Holdings of size not reported											

Table 3.5. - Number of buffaloes, by size of holding, age and sex 1

	To buffa (all :	loes	Numl buffa unde years	r 3*	Numb calves 1 year	under			buff 3* year	ber of aloes s of age over
Size class	Number of hold-ings re-port-ing	Num- ber of head	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
All holdings with and without land										
Holdings without land										
Holdings under 0.5 hectare. under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5										
Holdings 0.5 hectare and over										
0.5 hectare and under 1										
2 hectares and under 3							İ			
3 hectares and under 4										
4 hectares and under 5		1								
5 hectares and under 10										
10 hectares and under 20						[
20 hectares and under 50										
50 hectares and under 100						1				
100 hectares and under 200	1							1		
200 hectares and under 500										
500 hectares and under 1,000										
1,000 hectares and under 2,500						1				1
A,SOU HECKALES BING OVER										
Holdings of size not reported										
			1			1			1	1

^{*} For countries where the age of maturity is different from 3 years the figure "3" should be changed accordingly.

¹ Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding.

Table 3.6. - Number of buffaloes, classified by use and purpose, by size of holding

				Buffalo cow	s	Heifers	in calf	0	ther buffalo	es
Size class		Total number of head reported	Total	Kept primarily for milk pro- duction	Others	Raised primarily for milk pro- duction	Others	Total	Intended prima- rily as draft animals	Others
All holdings with and without	land									
Holdings without land										
Holdings under 0.5 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4										
hectares and under 5 hectares and under 20 hectares and under 50 hectares and under 50 hectares and under 100 hectares and under 200 hectares and under 200 hectares and under 500 hectares and under 2,500 hectares and under 1,000 hectares and under 2,500 hectares and under 2,500 hectares and over										

Table 3.7. - Number of holdings reporting specified number of buffaloes, by size of holding

	3					g	orting bu	naioes			
Size class	Total	1 head	2 head	3 to 4 head	5 to 9 head	10 to 19 head	20 to 49 head	50 to 99 head	100 to 199 head	200 to 499 head	500 head and over
holdings with and without land											
Idings without land											
Idings under 0.5 hectare Inder 0.1 hectare Inder 0.1 hectare Inder 0.1 hectare Inder 0.2 hectare and under 0.2 Idings 0.5 hectare and over Idings 0.5 hectare and under 1 Inderer and under 2 Inderer and under 3 Inderer and under 3 Inderer and under 4 Inderer and under 5 Inderer and under 5 Inderer and under 10 Inderer and under 20 Inderer and under 20 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and under 3 Inderer and u											

Table 3.8. - Number of sheep and production of wool, by size of holding 1

	Number		Number		ber of sheep age and ov		w	ool
Size class	of holdings reporting	Total number of sheep	of lambs under 1 year of				Number of sheep	Production
	sheep	reported	age	Total	Male	Female	clipped during the year	(unit of measure)
All holdings with and without land								
Holdings without land								
Holdings under 0.5 hectare								
under 0.1 hectare								
0.1 hectare and under 0.2							1	
0.2 hectare and under 0.5								
Holdings 0.5 hectare and over								
0.5 hectare and under 1							1	
1 hectare and under 2								
2 hectares and under 3								
3 hectares and under 4								
4 hectares and under 5						ł		
5 hectares and under 10								
10 hectares and under 20								
20 hectares and under 50								
50 hectares and under 100			İ				1	
100 hectares and under 200								
200 hectares and under 500								
500 hectares and under 1,000								
1,000 hectares and under 2,500						Ì		
2,500 hectares and over								
Holdings of size not reported								

¹ Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding.

Table 3.9. - Number of goats and production of goat hair and mohair, by size of holding 1

	Number	Total	Number		ber of goats age and ov		Goat hair	and mohair
Size class	of holdings reporting goats	number of goats reported	of goats under 1 year of age	Total	Male	Female	Number of goats clipped	Production
	goats		J. 45				during the year	(unit of measure)
All holdings with and without land								
Holdings without land								
Holdings under 0.5 hectare							į	
under 0.1 hectare		1		1	1		ļ	
0.1 hectare and under 0.2								
0.2 hectare and under 0.5								
Holdings, 0.5 hectare and over								
0.5 hectare and under 1								
1 hectare and under 2								
2 hectares and under 3			1	1				
3 hectares and under 4				1				
4 hectares and under 5								
5 hectares and under 10			1					1
10 hectares and under 20								
20 hectares and under 50			l					
50 hectares and under 100	1							Ì
100 hectares and under 200								
200 hectares and under 500								
500 hectares and under 1,000								
1,000 hectares and under 2,500						-		
2,500 hectares and over				A. C. C. C. C. C. C. C. C. C. C. C. C. C.				
Holdings of size not reported								

¹ Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding.

Table 3.10. - Number of pigs, by size of holding 1

Size class	Number of holdings	Total number	Number of pigs under 6* months	Number of pi of age a	
	reporting pigs	of pigs reported	of age	Sows and gilts for breeding	All other pigs
All holdings with and without land					
Holdings without land					
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5					
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2					
2 hectares and under 3					
10 hectares and under 20					
200 hectares and under 500					
Holdings of size not reported					

^{*} For countries where the age of maturity is different from 6 months the figure "6" should be changed accordingly.

1 Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding.

Table 3.11. - Number of holdings reporting specified number of pigs, by size of holding

				Nu	mber of I	noldings r	eporting	pigs			
Size class	Total	1 head	2 head ´	3 to 4 head	5 to 9 head	10 to 19 head	20 to 49 head	50 to 99 head	100 to 199 head	200 to 499 head	500 head and over
All holdings with and without land											
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5											
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 50 100 hectares and under 100 100 hectares and under 200 200 hectares and under 500 500 hectares and under 500 500 hectares and under 500 1,000 hectares and under 1,000 1,000 hectares and under 2,500											
1,000 hectares and under 2,500			į								

Table 3.12. - Number of poultry and rabbits, by size of holding 1

					Num	ber of h	ead repo	orted			
	Num- ber of hold-		Chick	ens ²		1 1					
Size class	re- port-	Total	Under 6*	6* m of age a		Ducks	Geese	Tur- keys	Guinea fowls	Pigeons	Rabbits and hares
	ing	iotai	months of age	Total	Laying hens						
All holdings with and without land											
Holdings without land						ļ					
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 50 50 hectares and under 50 50 hectares and under 50 100 hectares and under 500 100 hectares and under 500 100 hectares and under 500 100 hectares and under 500 100 hectares and under 500 100 hectares and under 500 100 hectares and under 2500 100 hectares and under 2,500 1,500 hectares and under 2,500 1,500 hectares and over											

^{*} For countries where the age of maturity is different from 6 months the figure "6" should be changed accordingly.

1 Countries which are in a position to do so are requested to tabulate these data according to the form of tenure of the holding. - 2 Hens, cocks, pullets and chicks.

Table 3.13. - Other domesticated animals

Camels	
Number of holdings reporting	
Number of camels under 4 years of age	
Number of camels 4 years of age and over	
Llamas, guanacos, alpacas and vicuñas	
Number of holdings reporting	
Number of head reported	
Fur-bearing animals	
(a) Foxes	
Number of holdings reporting	
Number of foxes reported	• • • •
(b) Mink	
Number of holdings reporting	
Number of mink reported	
(c) Other fur-bearing animals	
Number of holdings reporting	
Number of head reported	
Bees	
Number of holdings reporting beehives	
Total number of beehives	
Quantity of honey produced	
	(unit of measure)
Quantity of beeswax produced	
Silkworms	(unit of measure)
Number of holdings reporting silkworms	
Quantity of eggs placed in incubation	1
	(unit of measure)
Quantity of fresh cocoons produced	
	(unit of measure)

Table 3.14. - Number of holdings without any cattle, buffaloes, sheep, goats, pigs, poultry or rabbits, by size of holding

	Size class	Number of holdings reporting
All hol	dings with and without land	
Holding	s without land	
Holding	s under 0.5 hectare	
unde	r 0.1 hectare	
0.1 h	ectare and under 0.2	
0.2 h	ectare and under 0.5	
Holding	gs 0.5 hectare and over	
	hectare and under 1	
1	hectare and under 2	
2	hectares and under 3	
. 3	hectares and under 4	
4	hectares and under 5	
5	hectares and under 10	
10	hectares and under 20	
20	hectares and under 50	
50	hectares and under 100	
100	hectares and under 200	
200	hectares and under 500	
500	hectares and under 1,000	
1,000	hectares and under 2,500	
2,500	hectares and over	

Section 4 - EMPLOYMENT IN AGRICULTURE

Introduction

An account of the agriculture of a country will be concerned with the extent to which agriculture is oriented to home consumption or to the market; the extent to which agriculture is carried on in combination with other activities, and the extent to which the work in agriculture is carried on by the household of the holders or by hired agricultural workers. There is also a need for information on the labor input in agriculture, both by members of the holder's household and by hired workers. Inquiries concerning the type of holding are proposed in Section 0; those relating to the extent to which agriculture is carried on in combination with other activities are included in Section 10. The other subjects are dealt with in this section.

This section of the present Program differs from that of 1960 principally in respect of the following;

- 1. Introduction of a new topic concerning the extent to which the agricultural work on the holding is carried on by the holder's household or by persons working for pay (hired workers).
- 2. Addition of new items on the number of manhours worked on the holding by the holder and unpaid members of his household, and on the number of man-hours worked off the holding by these persons.
- 3. Extension of the age classes of persons employed in agricultural work to three instead of only two.
- 4. A suggestion to secure, whenever possible, information on the extent to which the households of the holders depend on the holding for their support.

With regard to (1), the main reason for introducing this topic is the difficulty of collecting information on labor input in agriculture. Employment in agriculture is subject to large seasonal variations. Adequate information should refer to a whole year, but because of the difficulty of remembering facts over a long period of time, it is necessary to limit the inquiry to a much shorter period, like a week. This is not a very satisfactory solution because the week which precedes the enumeration day may not be a typical week. Therefore, adequate information has

to be collected through a series of sample surveys conducted at different times during the agricultural year, and related to the census. Some countries may, however, be unable to perform such successive surveys. In view of this, the 1970 Program requires all countries to collect more simple information on the important subject of employment in agriculture, restricting it to a few indications of the degree to which agricultural work on the holding is dependent on hired workers. Some countries may also ask for the total amount of money paid to persons working for pay on the holding during the past agricultural year.

With regard to (2), the 1960 Program requested information only on the total number of man-days worked by these persons. Because of the prevalence in several countries of part-time workers, it is preferable to express their volume of work in the number of man-hours instead of number of man-days worked. Moreover, data on number of man-hours worked on the holding by the holder and unpaid members of his household give an important indication of the extent to which these persons participate in the agricultural work on the holding. It is also very useful to collect information on the number of man-hours worked by the same persons off the holding. All these proposals are included only in the Expanded List.

With regard to (3), it has been observed in some developed countries that the proportion of old people among the persons employed in agriculture steadily increases. In order to arrive at a clearer conception of this problem, the present Program subdivided the age class 15 years of age and over of the 1960 Program into two classes: 15 to 64 years of age and 65 years of age and over.

With regard to (4), it is advisable that countries which are able to do so secure information on the extent to which the households of holders depend on the holding for their support. For this purpose, inquiries should be included showing:

- (a) holders' households which are dependent entirely on the holding;
- (b) holders' households which derive the greater portion of their income from the holding but

which have some members securing income from other sources, including:

- (i) other activities carried out in the same household enterprise;
- (ii) wage work on other agricultural holdings;
- (iii) wage work or other employment in nonagricultural activities carried out outside the same household enterprise;
- (c) holders' households which have the majority of their income from sources other than the work on the holding, including:
 - (i) other activities carried out in the same household enterprise;
 - (ii) wage work on other agricultural holdings;
 - (iii) wage work or other employment carried out outside the same household enterprise.

It is emphasized that this information can be collected in some countries only and that caution should be taken to frame the questions on this subject according to the conditions in the country. For these reasons they are not included in the "Proposed census items."

Proposed census items

The following is the list of items for which it is suggested that countries participating in the 1970 World Census of Agriculture produce comparable information. The Short List of items for which information is desired from all countries is printed in **bold type**. The Expanded List includes the items printed in bold type as well as those printed in ordinary type. Countries may select from the items printed in ordinary type those suitable to their conditions.

Major	
group	

SECTION 4 — EMPLOYMENT IN AGRICULTURE

- 41. EXTENT TO WHICH THE AGRICULTURAL WORK ON THE HOLDING IS CARRIED ON BY THE HOLDER'S HOUSEHOLD OR BY PERSONS WORKING FOR PAY (check the appropriate box of 41.1, 41.2 or 41.3 below)
 - 41.1 All agricultural work on the holding is done by the members of the holder's household (including work exchanged with others)
 - 41.2 The bulk of agricultural work on the holding is done by the members of the holder's household, but persons working for pay are also employed
 - 41.3 The bulk of agricultural work on the holding is done by persons working for pay
 - 41.4 Total amount of money paid to persons working for pay on the holding during the last agricultural year (with proper recognition of payment in kind)

Amount (indicate currency unit)

		Male			Female		
or up Group	Total	Under 15 years of age	15 to 64 years of age	65 years of age and over	Under 15 years of age	15 to 64 years of age	65 years of age and over
EMPLOYMENT IN AGRICULTURAL WORK ON THE HOLDING DURING THE CENSUS WEEK							
42.1 Number of persons employed in agri- cultural work on the holding during the census week							
42.11 Holder and unpaid members of his household 1							
(a) Permanent workers							
(b) Temporary workers (c) Occasional workers				• • • •	•••		
42.12 Participants in co-operative, col-	1			* * *			• • • •
lective and communal holdings ¹ (a) Permanent workers		• • • •			• • • •		• • • •
(b) Temporary workers				• • • •		• • • •	• • • •
(c) Occasional workers			i				
42.13 Persons working for pay on the	'''	'''			• • •	• • • • • • • • • • • • • • • • • • • •	
holding 1, 2	1						
(a) Permanent workers							
(b) Temporary workers					ļ		
(c) Occasional workers							

¹ Items 42.11, 42.12 and 42.13 are mutually exclusive. - ² Including the hired manager.

42.	Group			Total	11	Male			Female	
	42.2		. The contract of the contract		Under 15 years of age	15 to 64 years of age	65 years of age and over	Under 15 years of age	15 to 64 years of age	65 years of age and over
	42.2									40.00
		the hold	mber of man-hours worked on ling during the census week by ler and unpaid members of his d	•••			•••	•••		
	42.3	the hold other p co-opera	umber of man-hours worked on ling during the census week by ersons, including participants in tive, collective and communal		•••		•••	•••	•••	
	42.4	Total no	umber of man-hours worked off ling during the census week by ons reported in 42.11							•••
43.		(To be surve)	MENT IN AGRICULTURAL ON THE HOLDING AT DIF- SEASONS recorded by successive sample s of agricultural holdings during gricultural year)							
	43.1	Number tural w	of persons employed in agricul- ork on the holding during the					:		
		43.11 H	veek Holder and unpaid members of iis household ³	•••		•••		• • •		•••
		(a) as of	•••	• • • • • • • • • • • • • • • • • • • •					
		43.12 F	Participants in co-operative, colective, and communal holdings ³	•••			• • •	•••	- • •	•••
		(a) as of							
43.	43.1	43.13	Persons working for pay on the nolding 2, 3	•••	•••	•••				
			a) as of							
	43.2	the hol the hol househo	·-						· ·	
		(b) as (c) as	of							• • •
	43.3	the hol other p co-oper holding								
		(b) as (c) as	of							
	43.4	the hol	umber of man-hours worked off ding during the survey week by cons reported in 43.11							;
		(o) as (b) as (c) as	of (date) of (date) of (date)							

² Including the hired manager. - ³ Items 43.11, 43.12 and 43.13 are mutually exclusive.

Definition of census items and explanatory notes

TIME REFERENCE

Information on the extent to which the agricultural work on the holding is carried on by the holder's household or by persons working for pay (Major group 41) should refer to a specific year, such as the last agricultural year or the year preceding the date of enumeration. Data on employment in agriculture should relate to the week preceding the date of enumeration, i.e., the period of one week length which ends at the day of enumeration. Of course, the day of enumeration will be different for the census and for each of the successive surveys devoted to collection of data on employment in agriculture.

It is emphasized that, although the data on employment in agriculture collected in the census refer to one week only, the classification of workers as permanent, temporary or occasional is based on the amount of time they have worked on the same holding the entire year or during a shorter period, if agricultural work is done generally during part of the year only (see also the explanatory notes on "Permanent, temporary, and occasional workers" below).

AGRICULTURAL WORK

By agricultural work or agricultural activities is meant any farm work or planning necessary to the operation of the holding. It includes feeding and caring for livestock and poultry; working in the field; working in the market or kitchen gardens; planning farm work; supervising other agricultural workers; keeping farm records; taking farm products to market; bringing feed, fertilizer, or other supplies from town to the holding; repairing fences, farm equipment, machinery, etc.; constructing buildings and fences with farm help, and related activities. Land reclamation and improvements, if carried out by the farmer and his labor force, should be considered as agricultural work. It excludes work related to the operation of the home, contract construction work done by persons employed specifically to do such work, labor performed by inmates of institutions, workers employed by a contractor, and handicraft work.

PERSONS EMPLOYED IN AGRICULTURAL WORK

The persons employed in agricultural work include:

(a) the holder, regardless of the amount of time he has spent in agricultural work;

- (b) members of his family and unrelated persons living in his household,¹ not receiving full wages in money or kind,² and who are engaged in agricultural activities (including care of poultry, cheesemaking, etc., but excluding domestic servants);
- (c) participants in co-operative, collective, and communal holdings;
- (d) all persons working for pay on the holding.

Members of the holder's household who work on the holding and receive full wages in money or kind for their work are to be classified as persons working for pay.

Some countries may wish to modify the definition for (b), "Unpaid members of the holder's household" to include only those members of the holder's household who did agricultural work on the holding during the reference week-for at least one third of the number of hours which constitute a normal work week.

PERMANENT, TEMPORARY, AND OCCASIONAL WORKERS

Workers on the holding during the census week may be classified as permanent, temporary, or occasional workers, depending on the amount of time they worked on the same holding during the year adopted as time reference.

Permanent workers are those who had been employed on the holding for a total period of at least half the working time during the year.

Temporary workers are those who had been employed on the holding for a total period of less than one half but at least one third of the working time during the year.

Occasional workers are those who had not worked on the holding before the census week and others who had been employed on the holding for a total period of less than one third of the working time during the year.

No definition is offered for "working time during the year." Countries will need to determine, in the light of their own conditions, whether to use the entire year or a shorter period, such as the part of the year during which agricultural work is done. The country's census reports should specify which basis was used.

Persons who are engaged in agricultural work but generally work less than a full day may be classified according to the number of days on which

¹ The definition of "household" is given in the explanatory notes to Section 5 on page 56.

² In such cases there is no contract (written or oral) regarding the wages which the person should receive for the work on the holding, and the person usually depends on the holder or on some member of his household.

they worked, or according to the total number of hours which they worked. The country's census reports should also specify which basis was used.

EMPLOYMENT IN AGRICULTURAL WORK AT DIFFERENT SEASONS

It is proposed that countries collect information on the labor input in agriculture by means of successive sample surveys conducted at different times during the agricultural year, and related to the census. Information collected at each survey should relate to the survey week, i.e., the period of one week which ends on the day of enumeration. Data on manhours worked on the holding and off the holding obtained from the successive surveys combined with those obtained from the census would permit to esti-

mate man-hours worked on the holding and off the holding during the entire agricultural year.

Tabulation plans

The following tables are submitted to indicate the comparable data which are desired in this section by the 1970 World Census of Agriculture. The items in **bold type** are those desired from all countries, while from those printed in ordinary type countries may select those which are suitable to their conditions.

The tables in the section relate to all agricultural holdings. Countries which are in a position to do so are requested to tabulate the data also by type of holding, i.e., separately for holdings producing mainly for home consumption, separately for holdings producing mainly for sale, and separately for crops holdings, etc.

Table 4.1. - Extent to which agricultural work on the holding is carried on by the holder's household or by persons working for pay, by size of holding

este de plant en en en el 🖡		Num			
Size class	Total number of holdings reporting	All agricultural work is done by the members of the holder's household ¹	Bulk of agricul- tural work is done by members of the holder's household but also by persons working for pay	Bulk of agri- cultural work on the holding is done by persons working for pay	Total amount of money paid to persons working on the holding during the last agricultural year ²
	·				
all holdings with and without land					
foldings without land					
foldings under 0.5 hectare					
under 0.1 hectare				.* -!	
0.1 hectare and under 0.2				, 1	
0.2 hectare and under 0.5					
loldings 0.5 hectare and over					
0.5 hectare and under 1					A. A.
1 hectare and under 2			+ 1		
2 hectares and under 3	-				
3 hectares and under 4					
4 hectares and under 5					
5 hectares and under 10					
10 hectares and under 20					
20 hectares and under 50					
50 hectares and under 100					
00 hectares and under 200					
00 hectares and under 500			4 4		
600 hectares and under 1,000					
00 hectares and under 2,500					
500 hectares and over					
foldings of size not reported					

¹ Including work exchanged with others. - ² With proper recognition of payment in kind.

Table 4.2. - Number of persons employed in agricultural work on the holding during the census week, by size of holding All persons 1

		65 years of age and over	
	Female	15 to 64 years of age	
Occasional workers		Under 15 years of age	
onal wo		65 years of age and over	
Occasio	Male	15 to 64 years of age	
		Under 15 years	
		Total	
		65 years of age and over	
	Female	15 to 64 years of age	
rkers		Under 15 years of age	
Temporary workers		65 years of age and over	
Tempo	Male	15 to 64 years of age	
		Under 15 years of age	
		ford	
		65 years of age and over	
	Female	15 to 64 years of age	
rkers		Under 15 years of age	
manent workers	***************************************	65 years of age and over	
Permar	Male	15 to 64 years of age	
		Under 15 years of age	
		Is30T	
		Total numb of worker	
		Number of hores	
		Size class	All holdings with and without land Holdings without land Holdings under 0.5 hectare under 0.1 hectare and under 0.2 0.2 hectare and under 1 1 hectare and under 1 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 5 10 hectares and under 5 5 hectares and under 5 6 hectares and under 5 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 1,000 70 hectares and under 1,000 70 hectares and under 1,000 70 hectares and under 1,000 70 hectares and under 1,000 70 hectares and under 1,000 70 hectares and under 1,000 70 hectares and under 1,000 700 hectares and under 1,000 700 hectares and under 1,000

This table should be repeated for (a) holders and unpaid members of their households; (b) participants in co-operative, collective and communal holdings; (c) persons working for pay on the holding.

Table 4.3. - Employment on holdings in selected weeks in $\frac{(year)}{(year)}$, classified by size of holding¹ All persons²

	From to	Male Female	Under 15 years of age 15 to 64 years of age	
	to	Male		
	to	Male		
		Male	65 years of age and over	
		_	15 to 64 years of age	
			Under 15 years of age	
			65 years of age and over	
	Ε.	Total	15 to 64 years of age	
1 % 1	Fro		Under 15 years of age	自然的 医克里克氏 医克克氏病 医克克氏病
he wee	:		65 years of age and over	
uring t		Female	15 to 64 years of age	
work d		_	Under 15 years of age	
ıltural	:		65 years of age and over	
n agrica	n to	Male	15 to 64 years of age	
loyed i			Sass of age to	A A SERVERS A SOUTH A NOT
ns emp			65 years of age and over	
f perso		From	Total	15 to 64 years of age
Number of persons employed in agricultural work during the week	Fror		Under 15 years of age	
Ž	:	Female	65 years of age and over	
			15 to 64 years of age	
	:		Singer 15 years of age	
			65 years of age and over	
		Male	15 to 64 years of age	
			Under 15 years age lo	
	From		65 years of age and over	
	Ε	Total	15 to 64 years of age	
	Fro		. zisay čt idanU ogs lo	
				t land
			Size class	tr land witho 0.5 hectare tare du under 0.1 tare and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under and under
			Sizi	All holdings with and without land Holdings without land Holdings under 0.5 hectare 0.1 hectare and under 0.2 0.5 hectare and under 0.5 0.5 hectare and under 1 1 hectares and under 1 2 hectares and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 4 5 hectares and under 5 0.0 hectares and under 5 0.0 hectares and under 50 0.0 hectares and under 50 0.0 hectares and under 50 0.0 hectares and under 50 0.0 hectares and under 50 0.0 hectares and under 50 0.0 hectares and under 50 0.0 hectares and under 200 2.00 hectares and under 200 2.00 hectares and under 2.500 2.500 hectares and under 2.500 2.500 hectares and under 2.500 2.500 hectares and over

¹ This table to be based on the successive surveys. - ² This table should be repeated for (a) holders and unpaid members of their households; (b) participants in co-operative, collective and communal holdings; (c) persons working for pay on the holding.

	Man-hours w	orked on the hol	Man-hours worked off the holding during the census week by the holder and "the unpaid members of his household"				
Size class	By the ho unpaid me his hou	mbers of	By other	persons	Number of	Number of	
	Number of holdings reporting	Number of man-hours reported	Number of holdings reporting	Number of man-hours reported	holdings reporting	man-hours reported	
All holdings with and without land				:			
Holdings without land							
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 1 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5							
5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 100 200 hectares and under 200 200 hectares and under 500 500 hectares and under 1,000 1,000 hectares and under 2,500 2,500 hectares and over Holdings of size not reported							

Table 4.5. - Estimated total number of man-hours worked on the holding and off the holding during the year by the holder and by unpaid members of his household, and man-hours of work on the holding by other persons, by size of holding ¹

	Estimated man	n-hours worked o	Estimated man-hours worked off the holding during the year by the holder and "the unpaid members of his household"				
Size class	By the ho unpaid me his hou	mbers of	By other persons		Number of	Number of	
	Number of holdings reporting	Number of man-hours reported	Number of holdings reporting	Number of man-hours reported	holdings reporting	man-hours reported	
All holdings with and without land							
Holdings without land							
Holdings under 0.5 hectare							
under 0.1 hectare							
0.2 hectare and under 0.5							
Holdings 0.5 hectare and over							
0.5 hectare and under 1 1 hectare and under 2							
2 hectares and under 3							
3 hectares and under 4							
4 hectares and under 5	-						
5 hectares and under 10	-						
20 hectares and under 50	Andrew Control						
50 hectares and under 100							
100 hectares and under 200							
200 hectares and under 500	• .						
1,000 hectares and under 2,500							
2,500 hectares and over							
Holdings of size not reported							

¹ This table should be based on the results of the census and the successive surveys.

Section 5 - FARM POPULATION

Introduction

This section deals with the enumeration of persons who are members of the holder's household and all other persons living on the agricultural holding. The population so defined includes, among others, the holders, participants in co-operative, collective and communal holdings, and members of their households. Information is required from all countries concerning these groups, whether living on holdings or not. Agricultural laborers who do not live on the holding should not be included.

In addition to the items included in the 1960 Program, the 1970 Program suggests the classification of the farm population into three age groups. Items on major occupation included in the 1960

Program have been deleted from the 1970 Program. Attention should be drawn to the fact that in many countries a considerable number of holders do not live on agricultural holdings but information about these persons and members of their households should be collected.

Proposed census items

The following are the items for which it is suggested that countries produce comparable information. The items on which information is desired from all countries are printed in **bold type**. Countries might include the other items in their census if this is suitable to their conditions.

SECTION 5 — FARM POPULATION

Major group Grou		Total	Male	Female
51.	FARM POPULATION			
51.1	Members of the holder's household (Include the holder and participants in co-operative, collective and communal holdings together with members of their families and unrelated persons living in their households)			
	(a) under 15 years of age			
51.2	Other persons living on the holding (Include all persons living on the holding, who are not members of the holder's household, whether or not such persons work on the holding)			
	(a) under 15 years of age	•••		

Definition of census items and explanatory notes

TIME REFERENCE

Information on farm population should relate to a specific date, such as the day of enumeration or some other day close to this.

Household

The term "household" means the aggregate of persons generally bound by ties of kinship who normally reside together, not necessarily under the same roof. This includes the holder, the relatives living with him, and the other persons who share that community of life for reasons of work or because of other connections. The other persons who share the rooms occupied by the holder's family

or who use separate rooms in the same dwelling unit but take their meals with the family, should also be considered as members of the household. Persons who live alone and lodgers who occupy separate rooms in the dwelling unit and do not take their meals with the holder's family, should not be considered as part of the holder's household.

Tabulation plans

The following tables are submitted to indicate the comparable data which are desired on this section from countries participating in the 1970 World Census of Agriculture. The items printed in bold type are those for which information is desired from all countries. From the items printed in ordinary type countries may select those which are suitable to their conditions.

Table 5.1. - Farm population, by size of holding 1

Size class	Number of hold- ings re- porting	Number of members of the holder's house- hold and partici- pants in co-operative, collective and com- munal holdings			Number of other persons living on holdings			
		Total	Male	Female	Total	Male	Female	
All holdings with and without land		:	1	1			1.	
14.14.	1.4		Ė		1.			
Holdings without land				ĺ				
Holdings under 0.5 hectare								
under 0.1 hectare					. [1.		
0.1 hectare and under 0.2						1		
0.2 hectare and under 0.5				}				
Holdings 0.5 hectare and over	1							
0.5 hectare and under 1			* *					
1 hectare and under 2			-			1		
2 hectares and under 3								
3 hectares and under 4								
4 hectares and under 5				1				
5 hectares and under 10				1				
10 hectares and under 20	+ 1							
20 hectares and under 50								
50 hectares and under 100								
100 hectares and under 200			3			4.		
200 hectares and under 500		.			-			
500 hectares and under 1,000				1				
1,000 hectares and under 2,500		1.						
2,500 hectares and over				`	openia.			
Holdings of size not reported					and the state of t			

Countries which are in a position to do so are requested to tabulate these data by type of the holding.

Table 5.2. - Farm population by sex and age, by size of holding 1

	Number			Male			Female	
Size class	of holdings reporting	Total population	Under 15 years of age	15 to 64 years of age	65 years of age and over	Under 15 years of age	15 to 64 years of age	65 years of age and over
All holdings with and without land				:	:			
Holdings without land								
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5								
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2								
2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10								
10 hectares and under 20 20 hectares and under 50 50 hectares and under 100					1			
100 hectares and under 200		Andrew miller grave or the first state of						
2,500 hectares and over								

¹ Countries which are in a position to do so are requested to tabulate these data by type of the holding.

Section 6 - AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Introduction

The proposals of the 1970 World Census of Agriculture Program on agricultural power and machinery and general transport facilities are as follows:

- 1. Minor changes as compared with the 1960 Program are introduced on questions related to the use and source of power on the holding.
- 2. The list of the 1960 Program has been expanded to include a more complete inventory of agricultural machinery and implements on the holding.
- 3. It is proposed to enumerate the number of machines owned by the holder at the date of the
- 4. Questions are proposed on different arrangements under which machinery is used during the year preceding the census. An indication

62.3 Electric motors.....

is therefore requested in the Program as to whether the machine or implement was (a) owned solely by the holder; (b) jointly owned by the holder and others; (c) provided by the landlord; (d) provided by private contractors; (e) provided by a co-operative; and (f) provided under government-sponsored projects.

5. A general question is asked on transport facilities.

Proposed census items

These are printed in two types, bold and ordinary. Information indicated in **bold type** is desired from all countries. These items constitute the Short List. The Expanded List includes, besides the Short List, items printed in ordinary type. Countries may choose therefrom items which are suited to their conditions.

SECTION 6 — AGRICULTURAL POWER AND MACHINERY AND GENERAL TRANSPORT FACILITIES

Major group Grou	p										
61.	USE AND SOURCE OF POWER ON	THE HO	LDING								
61.1	Mechanical power										
	(Check this box if any agricultural work in						hine				
	or machines propelled or operated by petr-	ol, oil, gas,	steam, wat	er, wind o	r electricity	/)					
61.2	Animal power	الماهية الماء	6								
61.3	(Check this box if any agricultural work in Source of electric power	the held c	or on the i	armstead w	as done by	animai po	wer)				
05	(Check the appropriate box if electric pow	er is used	on the hold	ding)							
	(a) purchased;			3/							
	(b) produced on the holding										
			ı								
				Used	on the holdi	ng during th	ne year				
		Number owned by the	Indicate by marking the appropriate box whether the corresponding machines or implements were used and were:								
Major group Grou		holder at a specific date	Owned solely by the holder	Owned jointly by the holder and others 1	Provided by the landlord	Provided by private con- tractors	Provided by a co- operative	Provided under govern- ment- sponsored projects			
62.	STATIONARY POWER-PRODUC- ING MACHINERY			- :							
62.1	Prime movers										
	62.11 Internal combustion engines										
	62.12 Steam engines, including locomo-							_			
	biles										
	62.13 Windmills		xxx	xxx	XXX	XXX	XXX	XXX			
	62.14 Water wheels		XXX	xxx	xxx	xxx	xxx	xxx			
(2.2	62.19 Other prime movers (specify)	***									
		1	1 -	i r	[1 —				

¹ Excludes machines or implements owned by co-operatives, which should be recorded in the column under the heading "Provided by a co-operative."

Major group			Number						
group			owned by the		whether the used and v				
		holder at a specific date	Owned solely by the holder	Owned jointly by the holder and others ¹	Provided by the landlord	Provided by private con- tractors	Provided by a co- operative	Provided under govern-ment-sponsored projects	
63.		Tractors (total)	1.5	,,					
	53.1	Tracklaying tractors							
		63.11 less than 18 hp		xxx xxx	xxx xxx	xxx xxx	xxx	XXX	xxx
		63.13 27 hp and less than 37		xxx	xxx	XXX	xxx xxx	xxx	xxx xxx
		63.14 37 hp and less than 56		xxx xxx	xxx	xxx	xxx xxx	xxx	xxx xxx
(53.2	Wheel tractors (excluding single-axle		,,,,,,	, AAA	***			^^^
		tractors)		×××	xxx				
		63.22 18 hp and less than 27		XXX	XXX	xxx	xxx	xxx	xxx
		63.23 27 hp and less than 37		xxx xxx	xxx	xxx	xxx xxx	xxx	xxx xxx
		63.29 56 hp and over		xxx	xxx	xxx	xxx	xxx	xxx
	63.3	Power tillers and other single-axle traction power units							
64.		TILLAGE, PLANTING, AND CULTIVAT-				honel			
	(11	ING EQUIPMENT Plows							
•	54.1	64.11 Animal-operated							
		64.12 Tractor-operated							
		Rotary tillers (tractor-operated) Rotary harrows (disk type and other types)	•••						
		64.31 Animal-operated,		E.i					
	64.4	64.32 Tractor-operated							
•	ד.דיט	64.41 Animal-operated							
•	64.5	Seed drills (includes combined seed drills and fertilizer distributors) 64.51 Hand-operated							<u> </u>
		64.53 Tractor-operated							
•	64.6	Cultivators and other weeding machines 64.61 Animal-operated							
	64.7								
		64.71 Hand-operated							
		64.73 Tractor-operated							
	64.8	Sprayers and dusters 64.81 Hand-operated			p====				1 to 1
		64.82 Animal-operated							
	440	64.83 Tractor-operated							
	64.9	Other selected tillage, planting, and cultivating machinery and implements (specify type and kind of traction)							
65.		HARVESTING AND THRESHING EQUIPMENT							
	65.1	Mowers 65.11 Animal-operated							
,	0 5.2	Rakes (side delivery and others) 65.21 Horse rakes							
, i	65.3	Reapers and binders (including field forage harvesters)							
		65.31 Animal-operated	•••						

¹ Excludes machines or implements owned by co-operatives, which should be recorded in the column under the heading "Provided by a co-operative."

					Used on the holding during the year								
				Number owned by the			ng the appro						
Majo grou				holder at a specific date	Owned solely by the holder	Owned jointly by the holder and others 1	Provided by the landlord	Provided by private con- tractors	Provided by a co- operative	Provided under govern- ment- sponsored projects			
	65.4	65.41 65.42	nes (harvester-threshers) Tractor-operated Self-propelled (a) Of which those used also for corn harvesting										
	65.5		pickers and picker shellers (exclud- lf-propelled combines)										
	65.6	Potato 65.61	-harvesting machinery Animal-operated diggers										
	45.7		Tractor-operated or self-propelled diggers and harvesters										
	65.7	65.71	beet harvesting machinery Animal-operated sugar-beet lifters Tractor-operated or self-propelled							_			
	65.8	Thres	sugar-beet harvestershers (engine-operated)										
	65.9		selected harvesting and threshing nent (specify type and kind of on)										
		65.92 65.93	Hay balers (stationary only) Pick-up balers	•••									
66.			STEAD EQUIPMENT, INCLUDING SPORT MEANS										
	66.1	equipr 66.11	Grain cleaners and sorters										
		66.13 66.14	Potato, onion, and fruit sorters and graders		×xx xxx	XXX XXX	×xx xxx	xxx xxx	xxx xxx	□ xxx xxx			
			Corn shellers and shredders Root cutters Chaff cutters		×xx xxx	×xx ×xx	×××	×xx xxx	xxx xxx	xxx xxx			
		66.18	Crop drying equipment (a) Grain driers	•••									
		66.19	Other selected food and feed processing and handling equipment (a) Coffee pulping machines (b) Others (specify)	•••	□ xxx	□ xxx	□ xxx	□ xxx	□ xxx	□ xxx			
	66.2		ock equipment (including dairy, y, etc.)										
		66.21 66.22 66.23	Milking machines (number of units) Milk coolers Cream separators		xxx xxx	xxx xxx	xxx xxx	xxx xxx	xxx xxx	xxx xxx			
		66.25	Shearing equipment (i) Hand-operated (ii) Power-operated Power-operated barn cleaners		□ □ xxx	□ □ xxx	 xxx	□ □ xxx		_ _ xxx			
	66.3	66.29	Other selected livestock equipment (specify)		xxx	xxx	xxx	xxx	xxx	xxx			
	66.3	66.31 66.32 66.33	Trailers		xxx □	xxx	xxx	xxx	xxx □	xxx □			
		66.36	Jeeps, station wagons, and trucks Automobiles Conveyors and elevators Power-dumping or unloading										
		66.39	equipment	l						_ 			

¹ Excludes machines or implements owned by co-operatives, which should be recorded in the column under the heading "Provided by a co-operative."

Major group Group

67. GENERAL TRANSPORT FACILITIES

67.1 Are agricultural products from the holding sold outside the holding? (Yes or No) 67.2 If the answer to the previous question is "Yes," check one or more of the following principal means (including private or public transport means) used to transport agricultural products from the holding to the first place of sale 67.21 By foot 67.22 By pack animal 67.23 By animal-drawn or man-drawn cart or wagon 67.24 By bicycle 67.25 By truck, jeep or other motor vehicle 67.26 By train 67.27 By boat 67.28 By plane 67.29 By other means (specify)

Definition of census items and explanatory notes

Information on the number of machines owned by the holder and on the source of electric power (Group 61.3) should relate to a specific date, such as the day of enumeration or some other day close to this. The other data in this section, i.e., on use of power on the holding (Groups 61.1 and 61.2), on machines used on the holding and on general transport facilities (Major group 67) should refer to a specific year, such as the last agricultural year or the year preceding the date of enumeration.

USE AND SOURCE OF POWER

The items under this heading should be checked only if the form of power concerned was used for agricultural work as defined in Section 4, "Employment in agriculture," whether or not the animals or the mechanical power used belong to the holding. It should include only power used for activities mentioned in Major group 01, Agriculture, of the *International Standard Classification of All Economic Activities*, 1958 edition (Statistical Papers Series M No. 4, Rev. 1, UN). It should not include power used for activities listed in the other Major groups of this classification, and should also exclude power used in the residential part of the farmstead.

NUMBER OWNED BY THE HOLDER

If a machine is owned solely by a holder, it should be enumerated on his holding no matter where it is located at the time of the census. On the other hand, if a machine or a piece of equipment is owned by more than one holder, it should be counted as owned by the holder on whose holding it is located at the date of the census, but its use should be reported by each of the owners as "Owned jointly by the holder and others."

HORSEPOWER OF TRACTORS

There are various ways of measuring and indicating the horsepower of a tractor, such as: engine horsepower, drawbar horsepower, power take-off (pto) horsepower and, finally, the nominal horsepower indicated on the plate of the tractor. The intention of the 1970 World Census of Agriculture is to obtain information on the number of tractors classified by engine horsepower. However, countries can collect the information by different methods, for instance, by asking for make, model and year of the tractor and converting this information into engine horsepower classes, as desired by the Program, while processing the collected data. In all cases, countries should make clear to FAO the definition of horsepower that they actually have used.

MILKING MACHINES

As the unit of milking machines, an installation and not a pail should be reported.

Tabulation plans

Five tables are submitted for which comparable data are desired on this section from countries taking part in the 1970 World Census of Agriculture. The items printed in **bold type** are those on which information is desired from all countries. From the items printed in ordinary type, countries may select those which are suitable to their conditions.

Table 6.1. Use and source of power on agricultural holdings, by size of holding 1

		Numbe	r of holding	Number of holdings			
	Total number				Human power	reporting ele	ectric power
Size class	of holdings	Mechanical power only	Animal power only	Mechanical and animal power	only (i.e., neither mechanical nor animal power used) ²		Produced on the holding
All holdings with and without land						. 1	
Holdings without land							
Holdings under 0.5 hectare							
under 0.1 hectare							
0.2 hectare and under 0.5							
0.2 nectare and under 0.5							
Holdings 0.5 hectare and over							
0.5 hectare and under 1							
1 hectare and under 2							
2 hectares and under 3							
3 hectares and under 4					-		
4 hectares and under 5							
5 hectares and under 10							
10 hectares and under 20							
20 hectares and under 50						1.	
50 hectares and under 100							
100 hectares and under 200							
1,000 hectares and under 2,500							
2,300 nectares and over							
Holdings of size not reported							

¹ Countries which are in a position to do so are requested to tabulate these data by tenure and by type of holding. - ² Holdings where no boxes of items 61.1 or 61.2 were checked.

Table 6.2 - Number of holdings reporting stationary power-producing machinery 1 and number owned by holders, by size of holding

	Inte cor bust engi	m- tion		Ste engi		Wind	lmills	Wa whe		Oth pri mov (spe	me /ers	Elec gener			tric tors
Size class	Number of holdings reporting	Number	by noiders	Number of holdings reporting	Number owned by holders	Number of holdings reporting	Number owned by holders	Number of holdings reporting	Number owned by holders	Number of holdings reporting	Number owned by holders	Number of holdings reporting	Number owned by holders	Number of holdings reporting	Number owned by holders
All holdings with and without land			-												
Holdings without land			i												
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 50 100 hectares and under 200 200 hectares and under 200 200 hectares and under 500 500 hectares and under 500 500 hectares and under 500 500 hectares and under 500			THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P												
1,000 hectares and under 2,500		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the 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¹ This table should be repeated for (a) tillage, planting and cultivating equipment; (b) harvesting and threshing equipment, and (c) farmstead equipment, including transport means; showing data for each kind of machine in these Major groups.

Table 6.3. - Number of holdings reporting tractors and number of tractors owned by the holder, by horsepower and by size of holding

	53.				Nun	nber o	f trac	tors o	wned	by th	e hold	lers			
	of holdings g tractors	olding		Tra	ack-layi	ng tract	ors		Wheel tractors					and	
Size class	Number of reporting trowned to	Total	Total	Less than 18 hp	18 hp and less than 27	27 hp and less than 37	37 hp and less than 56	56 hp and over	Total	Less than 18 hp	18 hp and less than 27	27 hp and less than 37	37 hp and less than 56	56 hp and over	ers
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¹ Including holdings reporting power tillers, etc.

Table 6.4. - Number of holdings reporting selected equipment used on holdings, classified by type of ownership of equipment

		Number of holdings reporting use of equipment which was:										
Kind of equipment used	Total number of holdings reporting	Owned solely by the holder	Owned jointly by the holder and others	Provided by the landlord	Provided by private contrac- tors	Provided by co- operatives	Provided under govern- ment sponsored projects					
				,								
Stationary power-producing machinery												
Specify												
Tractors	:				:							
Wheel tractors		-										
Tracklaying tractors												
Power tillers and other single-axle traction power units												
Tillage, planting, and cultivating equipment												
— } Specify												
Harvesting and threshing equipment												
出) 人名金克克 医金克克氏 医克克克	-											
— Specify												
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Farmstead equipment, including transport means					, ,							
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Size class holdings reporting on transport By foot transport By foot transport By foot transport By boat By boat By cart or other wagon 2 By cart or wagon 2 By cart or wagon 2 By cart or wagon 2 By boat By cother mean (specific mean (sp		Total num-	М	eans used	to trans	port prod	lucts fron	n holding	to the p	lace of sa	le 1
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Holdings of size not reported	Holdings of size not reported										

¹ Because the holding may use more than one means of transport, the sum of the number of holdings reporting specified means of transport may be larger than the total number of holdings reporting transport. – ² Animal-drawn or man-drawn.

Section 7 - IRRIGATION AND DRAINAGE

Introduction

This section of the Program deals with the area and methods of irrigation and drainage on agricultural holdings.

The items proposed in this section are the same as those proposed in the 1960 Program, with the exception that provision has been made for the enumeration of nonirrigated areas drained through open drains.

Proposed census items

The following is the list of items for which it is suggested that countries participating in the 1970 World Census of Agriculture produce comparable information. For item 71.2 printed in **bold type**, information is desired from all countries. From the items printed in ordinary type countries may select those which are suitable to their conditions.

SECTION 7 — IRRIGATION AND DRAINAGE

Major group Group		Hectares
71.	IRRIGATION	
71.1	Area of land provided with irrigation facilities	•••
71.2	Area of land actually irrigated at any time of the year by source of water 71.21 Area supplied with water from the holding itself 71.22 Area supplied with water from outside the holding. 71.23 Area supplied with water from inside and outside the holding	
71.3	Area of land actually irrigated at any time of the year by method of water supply 71.31 Area supplied with water by gravity flow 71.32 Area supplied with water by pumping from streams, canals, tanks, lakes, and other surface-water sources	

Major group Group		Hectares
71.		
74.4	 71.33 Area supplied with water by pumping from ground water. (Includes all devices for raising water, e.g., Persian wheels, buckets, etc.) 71.34 Area supplied with water by other means (e.g., flowing wells, springs, etc. — Specify) 	
71.4	ported under Group 71.2), how much was irrigated by the sprinkler method?	
72.	DRAINAGE	
72.1	Area of irrigated land provided with drainage facilities	
72.2	Area of nonirrigated land provided with drainage facilities	

Definition of census items and explanatory notes

TIME REFERENCE

Information on area of land actually irrigated should refer to a specific year, such as the last agricultural year or the year preceding the date of enumeration. Information on area of land actually provided with irrigation facilities (Group 71.1) and that provided with drainage facilities (Major group 72) should refer to a specific date, usually the day of enumeration or some other day close to this.

IRRIGATION

For purposes of this census, irrigation is considered to denote the practice of purposively providing land with water other than rain (but including flooding of the land by river water) for crop production or pasture improvement. However, when rain water has been collected and brought to the field later, that practice should also be considered as irrigation.

AREA OF LAND ACTUALLY IRRIGATED

Land actually irrigated should be considered any land of the holding irrigated during the year in question, whether several times or only once. The *physical area* of such a land should be reported.

GROUNDWATER

The water that occurs beneath the land surface and from which wells are supplied.

SOURCE AND METHOD OF WATER SUPPLY

The information required on source of water relates solely to the source from which the holder draws the water directly for irrigation. The information on method used relates solely to the methods of water supply used on the holding without regard to the method by which water is brought to the holding.

DRAINAGE

Drainage should be considered the removal of excess water from the surface of the land from the upper layers of the soil or subsoil by *artificial means* for the purpose of making nonproducing land productive and producing land more productive.

An area provided with small drains should be considered as provided with drainage facilities, even if large drains are needed for effective drainage.

Tabulation plans

The tables attached are submitted to indicate the comparable data which are desired from countries taking part in the 1970 World Census of Agriculture. The items printed in **bold type** are those on which information is desired from all countries. From the items printed in ordinary type countries may select those which are suitable to their conditions.

Table 7.1. - Number of holdings reporting, area of land provided with irrigation facilities and area of land actually irrigated, by source of water and method of water supply

Number of holdings reporting area of land actually irrigated	
Area of land provided with irrigation facilities	•••
Area of land actually irrigated	•••
By source of water	
By water supplied from the holding itself By water supplied from outside the holding By water supplied from inside and outside the holding	
By method of water supply	
By gravity flow	
By pumping from streams, canals, tanks, lakes, and other surface water sources	
By pumping from ground water	
By other means (specify)	
Area irrigated by sprinklers	•••

Table 7.2. - Number of holdings reporting and area of land provided with drainage facilities

Number of holdings reporting land provided with drain-	
age facilities	
Area of irrigated land provided with drainage facilities	Hectares
(total)	• • •
By pumping through open drains	
By pumping through covered drains	
By gravity flow through open drains	
By gravity flow through covered drains	•••
Area of nonirrigated land provided with drainage	
facilities (total)	
Drained through open drains	
Drained through covered drains	

Section 8 - FERTILIZERS AND SOIL DRESSINGS

Introduction

This section deals with the enumeration of the use of fertilizers and soil dressings. The items suggested are precisely the same as those of the 1960 Program, except for some rearrangements.

As in the 1960 Program, inorganic fertilizers have been subdivided (in the Expanded List) according to the main plant nutrients. Data on the amount of chemical inorganic fertilizers used are more significant when they are classified according to the plant nutrients. Countries which are in a position to do so are requested to investigate, by means of a sample survey undertaken as part of the census, the quantity of fertilizers used in terms of plant nutrients, separately for the various crops.

Proposed census items

The following is the list of items for which it is suggested that countries participating in the 1970 World Čensus of Agriculture supply comparable information. For item 81.1 printed in **bold type** information is desired from all countries. From the others printed in ordinary type countries may select the items which are suitable to their conditions.

SECTION 8 — FERTILIZERS AND SOIL DRESSINGS

SECTI	ON 8 — FERTILIZERS AND SOIL	DRESSIN	1GS
Major group Group			
81.	CHEMICAL INORGANIC AND ORGANIC MANURES AND OTHER FERTILIZERS		
81.1	Have any inorganic fertilizers been applied on the holding during the year?	Yes	N∘ □
		Area treated (ha)	Amour applied (kg)
81.2	Chemical inorganic fertilizers (Enter the total area to which any chemical inorganic fertilizer was applied. If more than one type of this fertilizer was applied to any field, the total area treated may be less than the sum of the areas reported under 81.21 to 81.24 inclusive).		•••
81.	81.21 Nitrogenous fertilizers 81.22 Phosphate fertilizers		

Potash fertilizers

Mixed, compound and com-

plex inorganic fertilizers...

Major group Gro	oup	Area treated (ha)	
81.			
81	81.31 Farmyard manure and/compost	· · · · · · · · · · · · · · · · · · ·	xxx xxx xxx
81. 82.	.4 Other fertilizers (specify) (e.g guano, bone meal, oilcake, wood ash etc.)	d-	
82 82 82	.2 Gypsum		

Definition of census items and explanatory notes

TIME REFERENCE

Information should refer to a specific year, such as the last agricultural year or the year preceding the census.

Area treated with fertilizers

An area treated more than once with the same kind of fertilizer applied to the same crop or group of crops cultivated simultaneously on the same land is to be reported only once. However, if it was applied to different crops grown successively in the year on the same land, the area should be reported for each crop separately.

An area receiving more than one kind of chemical inorganic fertilizer should be reported only once in reporting the total area treated with chemical inorganic fertilizers (Group 81.2) but it should also be reported under each of the fertilizers concerned.

Chemical inorganic fertilizers containing a single plant nutrient are to be reported in 81.21, 81.22 or 81.23, accordingly.

Tabulation plans

The table attached is submitted to indicate the comparable data which are desired from countries taking part in the 1970 World Census of Agriculture. Items printed in bold type are those on which information is desired from all countries. From the other items printed in ordinary type, countries may select those which are suitable to their conditions.

81.23

81.24

Table 8.1. - Number of holdings reporting, area treated with fertilizers and soil dressings, and amount applied, by size of holding 1

		1			0	Organic manures	anures			Ç	Orber fer-					Soil dressings	sings			
		Chemical inorganic fertilizers ²	63	Farmyard manure and or compost	and sost	Green manure	_ 0	Seaweed	Pe	(\$ 5	tilizers (specify)		Lime	ne		Gypsum	ε		Other (specify)	~
Size class	Mumber of hold- garteporting	(sd) bassant sanA	(84) beilggs annomA	Number of hold- ings reporting	Area treated (ha)	-blod 10 TədmuM gnistroqər zgni	Area treated (ha)	-blod to mubder of hold- ings reporting	Area treated (ha)	-blod 10 nadmuM gnist reporcing	(sd) bessest senA	Amount applied (kg) Number of hold-	gnishoqan agni Area creaced (ha)	Amount applied (kg)	Number of hold-	ings reporting	Amount applied (kg)	Number of hold- ings reporting	Area treated (ha)	
All holdings with land		***************************************			And State of the S				nerowene en							www.comedum.com				
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5														:						
Holdings 0.5 hectare and over									***************************************	***************************************						,				
1 hectare and under 2											:		•							
2 hectares and under 3																				
4 hectares and under 5	-				:		***************************************	-		:								- N		
5 hectares and under 10					de la contration															
			,													-		-		
		******						andrews transfer	···										1	
50 hectares and under 100				Accessor Torons															_	
		- Comment															_	- 1		
												-					-			
		THE PARTY NAMED IN		inuturnan											***************************************			-		
2,500 hectares and over							~~~~									-	:			
Holdings of size not reported					:						-									* -

¹ Countries which are in a position to do so are requested to tabulate these data by tenure and by type of the holding. - ² Countries which are in a position to do so should report separately on the area treated with, and the amount applied of nitrogenous, phosphate, potash, and mixed, compound and complex chemical inorganic fertilizers.

Section 9 - WOOD AND FISHERY PRODUCTS

Introduction

This section deals with the enumeration of wood obtained from agricultural holdings and of fishery products from the water areas located within the boundaries of agricultural holdings. It covers the total production of the holding whether for home consumption or for sale.

The number of items on wood products has been increased to include specific items which were included in "Other roundwood" in the 1960 Program.

The questions on fishery products have been increased and changed so as to indicate the source of fishery output, e.g., from fish culture in ponds, dams, hatcheries and reservoirs, from rice fields, etc.

The collection of information on wood and fishery products has been included in the Program because in some countries the production of these commod-

ities on agricultural holdings is not sufficiently covered by the forestry and fishery statistics. The data collected in the agricultural census would thus complement the information provided by the specialized statistics. However, no items in this section are suggested for the Short List. Some countries may obtain information on wood and fishery products on agricultural holdings through other means than the agricultural census.

Proposed census items

The following are the items for which information is requested from countries participating in the 1970 World Census of Agriculture. Countries may select from the list the items which are suitable to their conditions.

SECTION 9 — WOOD AND FISHERY PRODUCTS

Major group G	iroup		Quantity (indicate uni of measure)
91.		WOOD PRODUCTS OBTAINED FROM THE HOLDING DURING THE YEAR	•••
9	91.2 91.3 91.4	Pulpwood and pitprops	•••
92.		FISHERY OUTPUT FROM WATERS WITHIN THE BOUNDARIES OF THE HOLDING	
5	92.1	Total fishery (animal) output (a) From fish culture in ponds, dams, hatcheries and reservoirs (b) From rice fields	•••
9	2.2	Indicate if any seaweed (marine algae) were taken from the water within the boundaries of the holding	Yes □

Definition of census items and explanatory notes

TIME REFERENCE

Information on wood and fishery products should refer to a specific year, such as the year preceding the date of enumeration, i.e., the period of one year which ends at the date of enumeration, or some other one-year period.

WOOD PRODUCTS

The intention of the Program is to record wood products excluding bark. However, in general, the holders may be unable to report the quantities produced excluding bark. In such cases, conversion of the production data by exclusion of bark could be done at the time of processing of the information on wood products.

FUELWOOD

This includes all wood cut on the holding for heating purposes, for cooking, tobacco curing, and other uses, whether by the holder or someone else, including that for home use as well as that for sale. It includes also wood consumed in the manufacture of charcoal and for gasogenes.

CHRISTMAS TREES

It includes all coniferous trees cut during the year to be used as Christmas trees.

OTHER ROUNDWOOD

This item should include all other roundwood cut from the holding not included in any of the previous groups, whether for home use or for sale.

FISHERY (ANIMAL) OUTPUT

By fishery output is understood the quantity of aquatic animals caught during the year in the waters within the boundaries of the holding, after deduction of that part of the catch retained for breeding and restocking. Under aquatic animals are included, e.g., fish, crustaceans, mollusks, amphibia and aquatic reptiles.

Tabulation plans

The tables attached are submitted to indicate the comparable data which are desired from countries taking part in the 1970 World Census of Agriculture. Countries may select from these tables the items which are suitable to their conditions.

Table 9.1. - Number of holdings reporting wood products and quantity produced, by size of holding

	Fuelv	vood	Sawlog venee		Pulp and pi	wood tprops	Chris tre			her dwood
Size class	Num- ber of hold- ings report- ing	Quan- tity (unit of meas- ure)	Num- ber of hold- ings report- ing	Quan- tity (unit of meas- ure)	Num- ber of hold- ings report- ing	Quan- tity (unit of meas- ure)	Num- ber of hold- ings report- ing	Num- ber of trees	Num- ber of hold- ings report- ing	Quan- tity (unit o meas- ure)
All holdings with land										
Holdings under 0.5 hectare. under 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 100 100 hectares and under 100 200 hectares and under 200 200 hectares and under 500 500 hectares and under 500 500 hectares and under 1,000										

	Fisher	y (animal) o	utput from	the waters	within the	boundarie	s of the hol	dings	Number
Size class	То	tal	From fish in pond hatcher reser	s, dams, ies and	From rie	ce fields	Ot	her	of holdings reporting seaweed gathering
	Number of holdings reporting	Quantity (unit of measure)	Number of holdings reporting	Quantity (unit of measure)	Number of holdings reporting	Quantity (unit of measure)	Number of holdings reporting	Quantity (unit of measure)	from their waters
All holdings with land									:
Holdings under 0.5 hectare									
under 0.1 hectare									
0.1 hectare and under 0.2									
0.2 hectare and under 0.5									
Holdings 0.5 hectare and over									
0.5 hectare and under 1									
1 hectare and under 2									
2 hectares and under 3									
3 hectares and under 4									
4 hectares and under 5									
5 hectares and under 10									
10 hectares and under 20									
20 hectares and under 50									
50 hectares and under 100									
100 hectares and under 200									
200 hectares and under 500									
500 hectares and under 1,000									
2,500 hectares and over									
mood modules and over the management of the model of the									
Holdings of size not reported									

Section 10 - ASSOCIATION OF AGRICULTURAL HOLDINGS WITH OTHER INDUSTRIES

Major

Introduction

This section deals with a new concept, namely, the association of agricultural holdings with various other industries. There has been a tendency in recent years for certain industries to become interested in the operation of agricultural holdings. As a result, nonfarming establishments are integrated with agricultural holdings as part of the same enterprise. There has also been a tendency for business enterprises such as feed dealers, processors such as meat packers, canning factories, retailers, co-operatives, etc., to enter into contracts with agricultural holders for the production of certain crops or commodities of animal origin. Another tendency appearing in agricultural holdings of some countries is to have contracts with enterprises providing agricultural serv-

The reason for suggesting the enumeration of this topic in the 1970 World Census of Agriculture Program is to investigate to what extent these types of association of agricultural holdings with other industries have developed.

Proposed census items

The following items are suggested to be investigated in this section. No item is proposed for the Short List.

SECTION 10 - ASSOCIATION OF AGRICULTURAL HOLDINGS WITH OTHER INDUSTRIES

group Group

TYPE OF INDUSTRY WITH WHICH 101. THE HOLDING IS INTEGRATED

> 101.1 Ascertain if the holding is part of an enterprise having one or more activities other than farming.....

102.

Majo. group Group 101.2 If the answer to 101.1 is "Yes," indicate one or more of the following industries according to the kind of economic activities of this enterprise by checking the appropriate box or boxes Slaughter, preparation and preservation of meat 101.21 Manufacturing of dairy products 101.22 101.23 Canning or preserving of fruits and/or vegetables 101.24 Manufacturing of grain mill products Sugar factory and refinery....
Forestry and logging...... 101.25 101.26 Manufacturing of rubber prod-101.27 ucts 101.28 Fishing Other industries 101.29 (a) Wholesale or retail trade \Box (b) Other industries (specify)... CONTRACT OPERATIONS 102 1 Ascertain if any part of the agricultural produce of the holding is produced under contract for the manufacturing industry (check the appropriate box): (a) Total agricultural production (b) Part of agricultural production (c) None 102.2 If 102.1 (a) or 102.1 (b) has been checked, indicate one or more of the items which are produced under contract by checking appropriate box or boxes: 102.21 Cereals \Box 102.23 Fruits and grapes..... (a) Olives (b) Grapes (c) Other fruits 102.24 Sugar crops (sugarcane or sugar beets) 102.25 Vegetables Tobacco Livestock and livestock products (a) Cattle (b) Pigs (c) Poultry...... (d) Other livestock (specify) ... (e) Milk (f) Eggs (g) Other livestock products (specify) \Box 102.29 Other agricultural products (specify) 102.3 Did the holding have any contract during the year with agencies providing

agricultural services?

Yes 🗆

No \square

Yes 🗆

No □

Definition of census items and explanatory notes

TIME REFERENCE

Information on the type of industry with which the holding is integrated (Major group 101) should refer to a specific date, usually the day of enumeration or some other day close to this. Data on contract operations (Major group 102) should refer to a specific year, such as the last agricultural year or the year preceding the date of enumeration.

Type of industry with which the holding is integrated

The various types of industries listed under Group 101.2 are those which are most likely to have agricultural holdings integrated with them, but they are not the only ones. Many other types of industries could be interested in the operation of agricultural holdings. These might be specified under item 101.29 (b).

An agricultural holding which includes forest land should not automatically be considered integrated with the forestry and logging industry. It should be considered integrated with this industry only if it is a part of a forestry and logging enterprise.

CONTRACT OPERATIONS

By contracts (usually written contracts) is understood a reciprocal agreement between a holder and

a private firm, a co-operative or the state, specifying what the holder is to do or provide, and the obligation of the second party. Two kinds of contract operations are investigated in this section: (a) where a contract concerns the production of certain crops or animal products; and (b) where a contract concerns provision of some kinds of agricultural services to the holding. In case (a), a contract provides for the delivery of a certain quantity of one or more agricultural products from the holding, frequently on conditions stipulated with respect to quality, delivery time and prices, the said quantity being determined by count, measurement or area. Rental contracts between the holder and the landlord should be excluded from consideration as contract operations. In case (b), a contract determines what kind of agricultural services will be provided by the contractor to the holder. Agencies providing agricultural services may include agencies for seed cleaning, hatcheries service, and other custom work.

Under Group 102.2, the various crops, livestock and livestock products listed are those which are more likely to be produced under contract, but there could be many others. These might be specified under item 102.29.

Tabulation plans

The following tables are submitted to indicate the comparable data desired from countries which might wish to investigate the topic of this section in their census.

Table 10.1. - Number of holdings 1 reporting integration with industry, by size of holding

hectares and under 1,000

¹ Countries which are in a position to do so are requested to tabulate these data by type of holding.

Table 10.2. - Number of holdings reporting 1 operations under contract, by size of holding

Num- ber of	hold- ings having	tracts with enter- prises provid- ing agri- cultural	
	Other	agri- cultural prod- ucts (spec- ify)	
	Other		
		т ро ро	
		ž	
		Other live- stock (spec- ify)	
		Poultry	
act		Pigs	
der contr		Cattle	
Type of products under contract		Товассо	
rpe of pr		Vege- tables	
j.		Sugar	
	s	Other	
	Fruits and grapes	Grapes	
	Fruits :	\$ 9 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
		Total	
	***************************************	Oriseed	
	<u></u>	Cereals	
Total	of Poold-	ings report- ing prod- ucts under con- tract	
		Size class	All holdings Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5 Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectares and under 3 2 hectares and under 4 4 hectares and under 5 5 hectares and under 5 Co hectares and under 5 6 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 10 70 hectares and under 100 70 hectares and under 100 70 hectares and under 100 70 hectares and under 20 70 hectares and under 200 700 hectares and under 2,500 750 hectares and under 2,500 750 hectares and under 2,500 750 hectares and onder 2,500 750 hectares and onder 2,500 750 hectares and onder 2,500 750 hectares and onder 2,500

¹ Countries which are in a position to do so are requested to tabulate these data by type of holding.

APPENDIX

Alphabetical list of crops with botanical names

The purpose of this list is to help countries in identifying crops listed in Section 2, Crops, of the Program by indicating their botanical names. The number given opposite each item is the corresponding item number in Section 2. An asterisk before a reference number indicates that the crop is included with others in a general or composite item. The references shown below are not complete, as they are restricted only to those items in the list of Section 2 where the name of the crop has been *specifically* mentioned.

CROP	REFERENCE NUMBER	BOTANICAL NAME
Abaca (Manila hemp)	23.33(c)	Musa textilis
Alfalfa for grazing	*21.52(a)	
Alfalfa for hay, green feed or silage	$\{21.51(a)\}$	Medicago sativa
Almonds	23.16(a)	Prunus amygdalus
American cress	*21.61(/)	Barbarea verna
Aniseed	*21.44(<i>b</i>)	Pimpinella anisum
Apples	23.12(a)	Malus sylvestris
Apricots	23.13(a)	Prunus armeniaca
Arrowroot	21.34	Maranta spp., Curcuma spp.
Artichokes	21.61(<i>d</i>)	Cynara scolymus
Artichokes, Jerusalem	21.38(d)	Helianthus tuberosus
Asparagus	21.61(e)	Asparagus officinalis
Avocados	23.14(e)	Persea americana
Bambarra nuts (earth peas)	*21.29	Voandzeia subterranea
Bananas	23.14(k)	Musa sapientium, Musa cavendishii
Barley	21.16	Hordeum spp.
Beans, dry, edible	21.22	Phaseolus spp.
Beans, harvested green	21.64(<i>a</i>)	Phaseolus spp.
Beets, fodder (mangels)	21.38(b)	Beta vulgaris var. alba
Beets, red	21.63(c)	Beta vulgaris var. rubra
Beets, silver or spinach	*21.61(<i>i</i>)	Beta vulgaris var. maritima
Beets, sugar for feed	21.38(c)	Beta vulgaris var. altissima
Beets, sugar for sugar or for alcohol	21.41(<i>b</i>)	
Bergamots	*23.11(<i>f</i>)	Citrus aurantium var. bergamia
Blackberries	*23.15(g)	Rubus spp.
Black pepper	23.24	Piper nigrum
Black wattle	23.34(<i>b</i>)	Acacia spp.
Blueberries	23.15(e)	Vaccinium myrtillus
Brazil nut Breadfruit	*23.16(<i>d</i>)	Bertholletia excelsa
	23.14(<i>c</i>)	Artocarpus altilis (incisus)
Broad beans, dry	21.21	Vicia faba
Broad beans, harvested green Broccoli	*21.64(<i>c</i>)	
Bioccoii	2 21.03(a)	Brassica oleracea var. italica

Спор	REFERENCE NUMBER	Botanical name
Broom millet	*21.49(<i>e</i>)	Pennisetum glaucum; eleusine coracana; Pa- nicum miliaceum: Setaria italica; Echi- nochloa crusgalli and similar spp.
Broom sorghum	*21.49(<i>e</i>)	Sorghum vulgare
Brussels sprouts	*21.61(a)	Brassica oleracea var. gemmifera
Buckwheat	*21.19	Fagopyrum esculentum
Cabbage		Brassica oleracea var. capitata
(red,		(brassica oleracea var. rubra;
white,	*21.61(<i>a</i>)	brassica oleracea var. alba;
savoy,		brassica oleracea var. bullata;
Brussels sprouts)		brassica oleracea var. gemmifera)
Cabbage, Chinese	21.61(<i>b</i>)	Brassica sinensis, Brassica pekinensis
Cabbage, for fodder	21.59(a)	Brassica oleracea var. capitata
Cacao	23.31(<i>b</i>)	Theobroma cacao
Cantaloupes	*21.62(<i>b</i>)	Cucumis melo
Caraway seed	*21.44(<i>b</i>)	Carum carvi
Cardamom	*21.44(<i>b</i>)	Elettaria cardamomum
Cardoon	*21.63(<i>h</i>)	Cynara cardunculus
Carob	*23.19	Ceratonia siliqua
Carrots, edible	21.63(<i>d</i>)	Daucus carota
Carrots, for feed	21.38(e)	
Cashew nuts	23.16(<i>c</i>)	Anacardium occidentale
Cassava (manioc)	21.32	Manihot esculenta (utilissima)
Castor beans	21.43(g)	Ricinus communis
Cauliflower	*21.65(a)	Brassica oleracea var. botrytis
Celeriac	*21.63(h)	Apium graveolens var. rapaceum
Celery	21.61(f)	Apium graveolens
Chayote	*21.62(1)	Sechium edule
Cherries	23.13(<i>b</i>)	Prunus cerasus; Prunus avium
Chestnut	*23.16(<i>d</i>)	Castanea spp.
Chick-peas (gram)	21.24	Cicer arietinum
Chicory	21.49(c)	Cichorium intybus
Chicory for greens	21.61(g)	
Chilies, dry	*21.44(a)	Capsicum fructescens (annuum)
Chilies, fresh	21.62(j)	
Chinese cabbage	21.61(b)	Brassica sinensis, Brassica pekinensis
Cinnamon	23.21	Cinnamomum (Zeylanicum) spp.
Citronella	*23.39	Cymbopogon nardus
Citrons	*23.11(f)	Citrus medica
Clementines	*23.11(<i>b</i>)	Citrus nobilis
Clover for grazing	*21.52(a) }	Trifolium spp.
Clover for hay, green feed or silage	21.51(<i>b</i>) \(\)	
Cloves	23.22	Eugenia aromatica
Coconut	23.32(<i>a</i>) *21.35	Cocos nucifera Colocasia spp.; Xanthosoma spp.
Coffee		Coffea spp.; Xaninosoma spp. Coffea spp.
Coffee Cola	23.31(<i>a</i>) *23.31(<i>e</i>)	Cojjea spp. Cola spp.
		Brassica campestris, brassica napus, bras
Colza (rapeseed)	21.43(<i>j</i>)	sica rapa
Corn, for silage	21.51(h)	Zea mays
Corn salad	*21.61(<i>n</i>)	Valerianella olitoria
Corn, sweet	21.65(<i>b</i>)	Zea mays

Спор	Reference number	Botanical name
Cotton	21.42(a)	Gossypium spp.
Cowpeas	*21.29	Vigna sinensis
Cowpeas, harvested green	*21.64(c)	vignu sinensis
Cranberries	23.15(<i>f</i>)	Vaccinium oxyccocus, vaccinium ma- crocarpum
Cress	*21.61(<i>l</i>)	Lepidium sativum
Cress, water	*21.61(<i>l</i>)	Nasturtium officinale
Cress, American	*21.61(<i>l</i>)	Barbarea verna
Cucumbers	21.62(<i>f</i>)	Cucumis sativus
Currants	23.15(<i>d</i>)	Ribes rubrum; Ribes nigrum
Custard apple	23.14(<i>f</i>)	Anona spp.
Dates	23.14(<i>a</i>)	Phoenix dactylifera
Drumstick	*23.29	Moringa pterygosperma
Dry beans, edible	21.22	Phaseolus spp.
Dry broad beans	21.21	Vicia faba
Dry chilies	*21.44(<i>a</i>)	Capsicum fructescens (annuum)
Dry garlic	21.37	Allium sativum
Dry onions	21.36	Allium cepa
Dry peas, edible	21.25	Pisum sativum
Dry peppers	*21.44(<i>a</i>)	Capsicum fructescens (annuum)
Earth peas (bambarra nuts)	*21.29	Voandzeia subterranea
Eggplant	21.62(g)	Solanum melongena
Endive	21.61(<i>k</i>)	Cichorium endivia
Esparto grass	*21.49(<i>e</i>)	Lygeum spartum
Fennel	*21.61(n)	Foeniculum vulgare
Fenugreek, for grain	*21.29	Trigonella foenumgraecum
Figs	23.14(b)	Ficus carica
Filbert (hazelnut)	*23.16(d)	Corylus spp.
Fiqué	*23.33(<i>f</i>)	Furcraea macrophylla
Flax for fiber	21.42(<i>b</i>)	Linum usitatissimum
Fodder beets (mangels)	21.38(<i>b</i>)	Beta vulgaris var. alba
Formio (New Zealand flax)	23.33(<i>b</i>)	Phormium tenax
Garlie, dry	21.37	Allium sativum
Garlic, green	21.63(a)	
Geranium	*21.45	Pelargonium spp.
Ginger	23.26	Zingiber officinale
Gooseberries	23.15(c)	Ribes uva-crispa
Gourds	21.62(e)	Lagenaria vulgaris
Gram (chick peas)	21.24	Cicer arietinum
Grapes	*23.11(<i>d</i>)	Citrus decumana; Citrus grandis
Grapes Grapes for raisins	23.17 23.17(c)	
Grapes for table use	23.17(b) 23.17(b)	Vitis vinifera
Grapes for table use Grapes for wine and juice	23.17(a) 23.17(a)	
Grass, orchard	*21.51(e)	Dactylis glomerata
Green garlic	21.31(e) $21.63(a)$	Allium sativum
Green onions	21.63(b)	Allium cepa
Groundnuts (peanuts)	*21.43(a)	Arachis hypogaea
Guava (peanuts)	23.14(g)	Psidium spp.
	23.1 (8)	philiam opp.

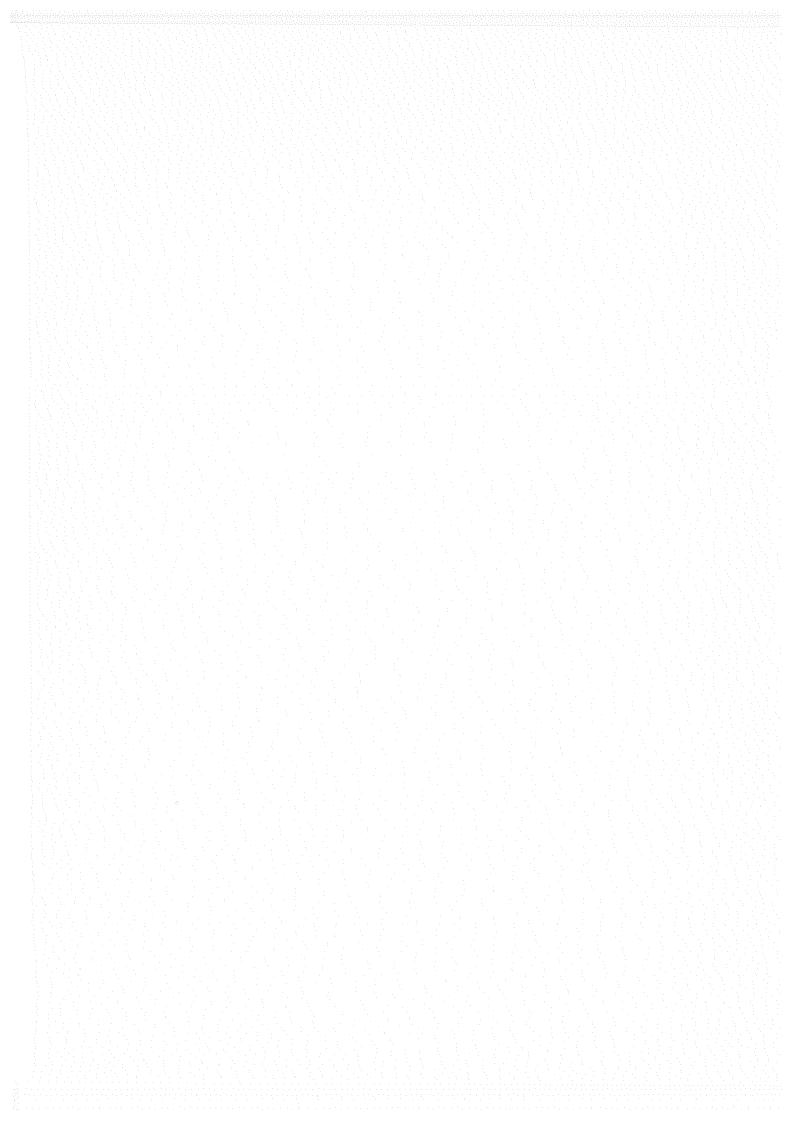
Спор	Reference number	Botanical name
Hazelnut (filbert)	*23.16(<i>d</i>)	Corylus spp.
Hemp, for fiber or for paper mills	21.42(c)	Cannabis sativa
Hemp, Manila (abaca)	23.33(c)	Musa textilis
Hempseed	21.43(f)	Cannabis sativa
Hemp, sunn	*21.42(e)	Crotalaria juncea
Henequen	23.33(a) (ii)	Agave fourcroydes
Henna	*21.49(e)	Lawsonia alba
Hops	21.49(b)	Humulus lupulus
Horse radishes	21.63(e)	Cochlearia armoracia
Hybrid maize	21.15(a)	Zea mays
Indigo	*21.49(<i>e</i>)	Indigofera spp.
Jerusalem artichokes	21.38(<i>d</i>)	Helianthus tuberosus
Jute	21.42(d)	Corchorus spp.
Kale	21.61(c)	Brassica oleracea var. acephala
Kapok	23.33(e)	Ceiba pentandra
Kenaf	*21.42(<i>e</i>)	Hibiscus cannabinus
Kohlrabi	*21.63(<i>f</i>)	Brassica oleracea var. caulo-rapa
Lavender,	*21.45	Lavandula spp.
Leek	21.61(j)	Allium porrum
Lemons	23.11(c)	Citrus limonum
Lemon grass	*23.39	Cymbopogon citratus
Lentils	21.23	Lens esculenta (Ervum lens)
Lespedeza	*21.51(<i>c</i>)	Lespedeza spp.
Lettuce	21.61(h)	Lactuca sativa
Licorice	*21.44(b)	Glyeyrrhiza glabra
Limes, sour	23.11(<i>e</i>)	Citrus aurantifolia
Limes, sweet	*23.11(f)	Citrus limetta
Linseed	21.43(c)	Linum usitatissimum
Litchi	*23.19	Litchi sinensis
Loquat	*23.12(e)	Eriobotrya japonica
Lupines for grain	*21.29	Lupinus spp.
Macadamia (Queensland nut)	*23.16(<i>d</i>)	Macadamia spp.
Mace	23.23	Myristica fragrans
Maize	23.23 21.15	Myristica fragrans
Maize, hybrid	$\frac{21.15}{21.15(a)}$	
Maize, hydrid Maize, ordinary, for grain		Zea mays
Maize, ordinary, for grain Maize for silage	21.15(b) $21.51(h)$	
Mandarins	*23.11(<i>b</i>)	Citrus nobilis
Mangels (fodder beets)	21.38(<i>b</i>)	Beta vulgaris var. alba
Mangoes	21.38(d) $23.14(d)$	Mangifera indica
Manila hemp (abaca)	23.14(a) 23.33(c)	Musa textilis
Manioc (cassava)	21.32	Manihot esculenta (utilissima)
Maslin	*21.18	Mixture of Triticum spp. and Secale
Medlars	23.12(<i>d</i>)	cereale Mespilus germanica
Melons (excl. watermelons)	*21.62(<i>b</i>)	Cucumis melo
ivicions (exci. waterilicions)	21.02(0)	Cucums meto

Спор	Reference number	Botanical name
Millet	21.14(a)	Pennisetum glaucum; Eleusine coracana;
Millet, broom	*21.49(e)	Panicum miliaceum; Setaria italica; Echi-
Millet and sorghum	*21.14	nochloa crusgalli and similar spp.
Mint	*21.45	Mentha piperita
Mulberry for fruit	*23.19	Morus spp.
Mulberry for paper	*23.39	Broussonetia papyrifera
Mulberry for silkworms	*23.39	Morus alba
Mushrooms	21.66	Fungi
Mustard	21.43(<i>d</i>)	Brassica nigra; Sinapis alba
Nectarines	*23.13(<i>c</i>)	Prunus persica; Prunus persica var. necta-
Niger seed	*21.43(k)	Guizotia abbyssinica
New Zealand flax (formio)	23.33(b)	Phormium tenax
Nutmeg	23.23	Myristica fragrans
Oats	21.17	Avena spp.
Oil palm	23.32(<i>b</i>)	Elaeis guineensis
Okra	21.62(h)	Hibiscus esculentus
Olive	23.32(c)	Olea europea
Onions, dry	21.36	人名马尔 人名英格兰 电流电流管 医电流电流
Onions, green	21.63(b)	Allium cepa
Opium	*21.44(<i>b</i>)	Papaver somniferum
Oranges	23.11(a)	Citrus sinensis
Oranges, bitter	*23.11(<i>f</i>)	Citrus aurantium
Orchard grass	*21.51(<i>e</i>)	Dactylis glomerata
Palm, oil	23.32(<i>b</i>)	Elaeis guineensis
Palm, palmyra	*23.39	Borassus flabellifer
Palm, sago	*23.39	Metroxylon spp.; Cycas spp.
Papaya	23.14(n)	Carica papaya
Parsnip	*21.63(h)	Peucedanum sativum
Peaches	23.13(c)	Prunus persica
Peanuts (groundnuts)	21.43(a)	Arachis hypogaea
Pears	23.12(<i>b</i>)	Pyrus communis
Peas, edible dry	21.25	Diam. Cations
Peas, harvested green	21.64(<i>b</i>)	Pisum sativum
Pecan nut	*23.16(<i>d</i>)	Carya pecan (Carya illinoensis)
Pepper, black	23.24	Piper nigrum
Peppers, dry	21.44(a)	Canaigum fuugtagaang (annuum)
Peppers, sweet	21.62(k)	Capsicum fructescens (annuum)
Persimmon	23.14(<i>j</i>)	Diospyros kaki and Diospyros virginiana
Pigeon peas	*21.29	Cajanus cajan; Cajanus indicus
Pimentos	*21.44(<i>a</i>)	Capsicum
Pineapples	23.14(<i>m</i>)	Ananas comosus (sativus)
Pistachio nut	*23.16(<i>d</i>)	Pistacia vera
Plantains	23.14(<i>l</i>)	Musa paradisiaca
Plums and prunes	23.13(<i>d</i>)	Prunus domestica
Pomegranate	23.14(h)	Punica granatum
Pomelo	*23.11(<i>d</i>)	Citrus decumana; Citrus grandis
Poppy seed	21.43(<i>e</i>)	Papaver somniferum
Potatoes	21.31	Solanum tuberosum
Potatoes, sweet	21.33	Ipomoea batatas

Prunes and plums Pumpkins, edible Pumpkins for fodder Pyrethrum Quebracho Queensland nut (macadamia) Quince Quince Quinoa Radishes (incl. horseradishes) Ramie Rapeseed (colza) Raspberries 23.13(d) Prunus domestica Cucurbita pepo Cucurbita pepo Chrysanthemum cinerariaefolium Aspidosperma spp. Aspidosperma spp. Chenospodium quinoa spp. Cydonia oblonga (vulgaris); Cydonia ja Chenopodium quinoa Radishes (incl. horseradishes) 21.63(e) Raphanus sativus (incl. Cochlearia racia) Rassica campestris; Brassica napus sica rapa Rubus idaeus	armo-
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Ramie *23.33(d) Boehmeria nivea Rapeseed (colza) 21.43(j) Brassica campestris; Brassica napus sica rapa	Bras-
Rapeseed (colza) 21.43(j) Brassica campestris; Brassica napus sica rapa	Bras-
sica rapa	
Raspherries 23.15(h) Ruhus idaeus	
Transporting Munistration (1997)	
Red beets 21.63(c) Beta vulgaris var. rubra	
Red cabbage *21.61(a) Brassica oleracea var. rubra	
Red-top *21.51(e) Agrostis spp.	
Rhea *23.33(d) Boehmeria tenacissima	
Rhubarb 21.61(m) Rheum spp.	
Rice 21.13 Oryza sativa	
Rubber (hevea) 23.34(a) Hevea spp.	
Rutabagas (swedes) *21.63(f) Brassica napobrassica	
Rye 21.12 Secale cereale	
Safflower *21.43(k) Carthamus tinctorius	
Sago palm *23.39 Metroxylon spp; Cycas spp.	
Salsify *21.63(h) Tragopogon porrifolius	
Sainfoin *21.51(c) Onobrychis spp.	
Sapodilla (zapote) 23.14(i) Achras sapota	
Satsuma *23.11(b) Citrus nobilis	
Savoy cabbage *21.61(a) Brassica oleracea var. bullata	
Scorzonera *21.63(h) Scorzonera hispanica	
Sesame 21.43(h) Sesamum indicum	
Silver beets *21.61(i) Beta vulgaris var. maritima	
Sisal 23.33(a) (i) Agave sisalana	
Sorghum 21.14(b)	
Sorghum, broom *21.49(e) Sorghum vulgare	
Sorghum, sweet *21.41(c) Sour limes 23.11(e) Citrus aurantifolia	
Sour limes 23.11(e) Citrus aurantifolia Soybeans 21.43(b)	
Soybean hay $*21.51(c)$ Glycine soja	
Spelt *21.19 Triticum spelta	
Spinach *21.61(i) Spinacia oleracea	
Spinach beets *21.61(i) Beta vulgaris var. maritima	
Spring barley 21.16(b) Hordeum spp.	
Spring rye 21.12(b) Secale cereale	
Spring wheat $21.11(b)$	
Spring wheat, hard $21.11(b)$ (i) $\{Triticum \text{ spp.}\}$	
Spring wheat, soft $21.11(b)$ (ii)	
Sprouts, Brussels *21.61(a) Brassica oleracea var. gemmifera	
Squash 21.62(d) Cucurbita spp.	

Спор	REFERENCE NUMBER	BOTANICAL NAME
Strawberries	23.15(a)	Fragaria spp.
Sudan grass	*21.51(e)	Sorghum sudanense
Sugar beets for feed	21.38(c)	蓝色 使引起 医多点电流性医多性 化二甲烷异烷医亚烷
Sugar beets for sugar or for alcohol	21.41(b)	Beta vulgaris var. altissima
Sugarcane for feed	*21.51(<i>j</i>)	
Sugarcane for sugar	21.41(a)	Saccharum officinarum
Sugarcane for thatching	*21.49(e)	
Sunflower for fodder	21.59(c)	
Sunflower for seed	21.43(i)	Helianthus annuus
Sunn hemp	*21.42(<i>e</i>)	Crotalaria juncea
Swedes (rutabagas)	*21.63(f)	10年 医二十二醇 医二二醇 化二烷基苯基唑基
Swedes for feed	21.38(f)	Brassica napobrassica
Sweet corn	21.65(b)	Zea mays
Sweet limes	*23.11(<i>f</i>)	Citrus limetta
Sweet peppers	21.62(k)	Capsicum fructescens (annuum)
Sweet potatoes	21.33	Ipomoea batatas
Sweet sorghum	*21.41(<i>c</i>)	Sorghum vulgare
Tangerines	*23.11(<i>b</i>)	Citrus nobilis
Tea	23.31(c)	Thea sinensis; Thea assamica
Timothy	*21.51(e)	Phleum pratense
Tobacco	21.49(a)	Nicotiana tabacum; Nicotiana rustica
Tomatoes	21.62(i)	Lycopersicon esculentum
Tung trees	*23.32(<i>d</i>)	Aleurites fordii; Aleurites triloba A. mon
	21.20()	tana, A. moluccana
Turnips for feed	21.38(a)	Brassica rapa
Turnips, edible	21.63(g) \(\)	를 보고 하고 말을 수 있는데 된
Urena	*21.42(<i>e</i>)	Urena lobata
Vanilla	23.25	Vanilla planifolia
Vetches for grain	*21.29	Vicia sativa
Walnuts	23.16(<i>b</i>)	Juglans spp.
Water cress	*21.61(<i>l</i>)	Nasturtium officinale
Watermelons	21.62(a)	Citrullus vulgaris
Wattle, black	23.34(<i>b</i>)	Acacia spp.
Wheat	21.11	Triticum spp.
White cabbage	*21.61(a)	Brassica oleracea var. alba
Winter barley	21.16(a)	Hordeum spp.
Winter rye	21.12(a)	Secale cereale
Winter wheat	21.12(a) $21.11(a)$	
Winter wheat, hard	21.11(a) (i)	Triticum spp.
Winter wheat, soft	21.11(a) (ii)	
Yams	*21.35	Dioscorea spp.
Yerba maté	23.31(<i>d</i>)	Hex paraguensis
Zapote (sapodilla)	23.14(i)	Achras sapota

II - AFRICAN SUPPLEMENT TO THE WORLD PROGRAM



INTRODUCTION

Outline of the African Supplement

The contents of each section on which modifications are made are subdivided as follows:

- (i) Additional and modified census items proposed
- (ii) Additional definition of census items and explanatory notes
- (iii) Modified and additional tabulation plans

Definitions and additional explanations are included in cases where it was judged necessary to clarify a specified item or subject, or when these were considered of particular importance for the region.

Changes in tables are made in accordance with those introduced in the list of items. A few additional tabulations are included as a consequence of additional or modified items proposed for the African region.

While indicating modifications in the census items proposed, it has been found necessary, sometimes, to repeat an item in the Supplement in the same way as it is presented in the World Program. Such items have been marked with an asterisk (*).

Additional items or any items not in the Short List of the World Program which are considered of major importance to the region are printed in **bold type** in the Supplement to indicate that they are considered to be Short List items for the Regional Program in accordance with the convention adopted (see pages v and 8).

Additional explanations of topics in the introduction to the World Program are given below.

E. Methods (see page 3)

Under the item Complete enumeration censuses and sample censuses, the following should be inserted before the last paragraph:

Most of the African countries carried out the agricultural censuses around 1960 by means of sampling. It is emphasized, however, that in the course of further agricultural development, some countries which previously were satisfied with data obtained from a small-size sample might, in 1970, need a larger size sample or even a census by complete enu-

meration, depending on the level of development planning in agriculture.

G. Time reference (see page 7)

The following should be inserted before the last sentence in first column starting "In cases of":

The practice, which has been followed previously in a certain number of African countries, to spread the census enumeration over a number of years is not advisable, as this makes it impossible to obtain national estimates for various items and thus the census results have reduced practical value for national development planning. Moreover, the spreading of the census enumeration over more than one single agricultural year may give place to considerable duplications or omissions, specially in the case of large cattle movements within the country which are very frequent in many parts of Africa.

J. Tabulation of results (see page 8)

The following should be added to this topic:

In view of the need for an early availability of national totals, the first tabulation could be made without classification by size of holding. This classification should then be taken up immediately after the national totals have become available.

The following new topic should be added at the end of page 10:

O. Simultaneous enumeration for the agricultural and population censuses

Simultaneous enumeration for the agricultural and population censuses would provide an occasion to relate some characteristics of the agricultural holdings to characteristics of population and households connected with those holdings and, in certain cases, would lead to economies. There are, however, certain disadvantages. First of all, a combination of the two enumerations may overburden the enumerators. This may create a greater probability of errors in collecting the census data, particularly

those related to the agricultural part of the census, which generally includes more difficult questions than the population census. Secondly, special difficulties arise if objective measurements have to be made to collect certain information required for the agricultural census. Thirdly, experience has shown that, in many cases where the agricultural census enumeration was combined with that for the population census, the latter data were processed first, while processing of agricultural information was seriously delayed because it was commenced only after processing of the population data had been completed. Finally, in cases where sampling methods are to be used, it would be difficult to evolve an efficient sampling design for the purposes of both

the agricultural census as well as the population census.

On balance, it appears that the disadvantages of simultaneous enumeration outweigh its advantages. Taking the population and the agricultural censuses at the same time cannot, generally, be recommended. If an agricultural census follows the population census in close sequence, its data can be used profitably in the design and conduct of the agricultural census. In case of a sample census of agriculture, the population census data can then provide the necessary information to establish a frame for sample selection. However, countries are free to synchronize the timing of the two censuses if the conditions and resources of the country justify it.

Section 0 - HOLDING, HOLDER, TENURE AND TYPE OF HOLDING

Additional and modified census items proposed

ADDITIONAL GROUP

In the Expanded List of the Regional Program, a new group comprising information on tribe or ethnic group of the holder has been introduced in order to help the enumerators in identifying the holder, in particular if he is a member of a tribe or belongs to a specified ethnic group. This information is not intended for tabulation purposes. In the list of items on page 11 of the World Program, between Groups 02.1 and 02.2, the following should be inserted:

02.1 (a) Tribe or ethnic group of the holder

MODIFICATION OF GROUP 02.3 AND ITS SUBDIVISION

In view of the difficulties in collecting information on the main occupation of the holder, under conditions prevailing in African countries, Group 02.3 and its subdivision in the World Program (see page 11) have been modified in the Regional Program and should read as follows:

02.3 Occupation of the holder
02.31 Agricultural occupation only
02.32 Agricultural and nonagricultural occupation

SUBDIVISION OF GROUP 03.1

In the Regional Program, Group 03.1 has been subdivided into two items in order to distinguish area owned from that which is held in ownerlike possession. The latter area is further subdivided into two subitems to distinguish the area of tribal land operated individually by the members of the tribe from that of the area operated under other forms of ownerlike possession. All these subdivisions are in the Short List of the Regional Program.

Therefore, on page 11 of the World Program the following should be inserted between Groups 03.1 and 03.2 and read as printed in **bold type**:

- 03.11 Area of the holding owned by the holder
- 03.12 Area of the holding which is held in ownerlike possession
 - (a) Area of tribal land operated individually by the members of the tribe
 - (b) Area operated under other forms of ownerlike possession

Number of fields constituting the holding

In cases where information on area cannot be obtained from the holders, such data must be collected by measuring the areas. Usually, this method can be developed only on a sample basis. To increase the precision of a sample, it is advisable to collect data on the number of fields constituting the holding. This additional information should, however, be collected before the main phase of the census, for example, at the stage when holdings are listed.

Additional definition of census items and explanatory notes

IDENTIFICATION OF THE HOLDER, HIRLD MANAGER AND RESPONDENT

It is emphasized that certain groups in this section, for which the Regional Program proposes collecting information for the census, are intended for identification purposes, in order to avoid omissions and duplications, and for checking. These include: Group 02.1 — Name of the holder; Group 02.1(a) — Tribe or ethnic group of the holder; Group 02.4 — Address of the holder if he does not live on the holding; Group 02.6 — Name of the hired manager and his address if he does not live on the holding; Group 02.9 — Name of the respondent and his relationship to the holder. All these data are not intended for tabulation.

TOTAL AREA OF THE HOLDING

It is emphasized that, in the case of shifting cultivation, fallow land should be excluded from the total area of the holding. The reason for this is the difficulty in determining the area of bush fallow.

Area of the holding operated under tribal forms of tenure

Group 03.4 of the World Program — Area of the holding which is operated under tribal or traditional communal forms of tenure — includes the area operated jointly by a tribe, a clan or a part thereof, in addition to the area operated under traditional communal forms of tenure, as defined

on page 15 of the World Program. However, if land belonging to the tribe is *allocated* for cultivation to its *individual members* it should be considered as a form of ownerlike possession and therefore included in Group 03.1 and in item 03.12, as well as in subitem 03.12 (a). Such land should be *excluded* from Group 03.4.

Modified and additional tabulation plans

Table 0.3 of the World Program has been modified for the Regional Program by splitting the column indicating number of holders under 35 years of age into two columns: "Under 25 years of age" and "25 to 34 years of age."

According to changes in the list of items introduced

in the Regional Program, Tables 0.4 and 0.7 are modified as follows:

In Table 0.4 — Number of holders and area operated, by main occupation and by size of holding — the two main headings should read as follows: "Holders with agricultural occupation only" and "Holders with agricultural and nonagricultural occupation."

In Table 0.7 — Total area of holdings, by tenure and by size of holding — the column "Area owned by the holder or in ownerlike possession" has been subdivided into five columns, as shown on page 90.

Furthermore, a new Table 0.6 (a) — Number and area of holdings owned by the holder or in ownerlike possession, by specific forms of tenure and by size of holding — has been introduced.

The above-mentioned tables should therefore read as follows:

Table 0.3. - Holders, by age class and by size of holding 1,2

		Number of holders who are:							
Size class	Number of holders reporting	Under 25 years of age	25 to 34 years of age	35 to 44 years of age	45 to 54 years of age	55 to 64 years of age	65 years of age and over		
All holdings with and without land									
Holdings without land									
Holdings under 0.5 hectare				***	A				
under 0.1 hectare	000				44				
0.1 hectare and under 0.2									
0.2 hectare and under 0.5									
Holdings 0.5 hectare and over									
0.5 hectare and under 1					WINNESS AND AND AND AND AND AND AND AND AND AND		-		
1 hectare and under 2	ON THE REAL PROPERTY AND THE PROPERTY AN								
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4 hectares and under 5		and an analysis of the second							
5 hectares and under 10									
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100 hectares and under 200									
200 hectares and under 500									
500 hectares and under 1,000									
1,000 hectares and under 2,500									
2,500 hectares and over									
Holdings of size not reported									

¹ Some countries may wish to prepare this table also by tenure of holding. - ² This table refers only to holders who are civil persons excluding holdings operated jointly by two or more households.

Table 0.4. - Number of holders and area operated, by occupation and by size of holding 1

Size class	Holders with occupation		Holders with agricultural and nonagricultural occupation			
	Number of holders	Area operated	Number of holders	Area operated		
All holdings with and without land						
Holdings without land		xxx	xxx			
Holdings under 0.5 hectare						
under 0.1 hectare						
0.1 hectare and under 0.2						
0.2 hectare and under 0.5			`-			
Holdings 0.5 hectare and over						
0.5 hectare and under 1						
1 hectare and under 2						
2 hectares and under 3						
3 hectares and under 4						
4 hectares and under 5						
5 hectares and under 10						
10 hectares and under 20			'			
20 hectares and under 50						
50 hectares and under 100						
100 hectares and under 200						
200 hectares and under 500						
500 hectares and under 1,000						
1,000 hectares and under 2,500						
2,500 hectares and over						
Holdings of size not reported		xxx	xxx			

¹ This table refers only to holders who are civil persons, excluding holdings operated jointly by two or more households.

Table 0.6 (a). - Number and area of holdings owned by the holder or in ownerlike possession, by specific forms of tenure and by size of holding

	Holdings owned by the holder or in ownerlike possession											
	Owned by the holder		In ownerlike possession									
Size class			by the		Total		Tribal land operated individually by members of the tribe		Operated under other forms of ownerlike possession			
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area		

All holdings with land										Į		
Holdings under 0.5 hectare			The state of the s		,							
Holdings 0.5 hectare and over			- DOWNSON AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF									
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Holdings of size not reported												

Table 0.7. - Total area of holdings, by tenure and by size of holding

Total	Area owned by the holder		Area of tribal land operated individually of by members of the tribe go		Total rented from others	For a fixed amount of money	For a fixed amount of produce	For a fixed amount of money and some produce	For a share of the produce or its equivalent in money	In exchange for services	other forms renting ¹	Area operated on a squatter basis	Area operated under tribal or traditional communal forms of tenure 2	Area operated under other forms of tenure
Total	Area owned by the holder	Total	Area of tribal land sperated individually members of the tribe	rea operated under other forms of wnerlike possession	Total rented from others	For a fixed amount of money	For a fixed ount of produce	a fixed amount loney and some produce	a share of the ce or its equiv nt in money	exchange r services	other forms renting ¹	rea operater squatter b	ated under al communa of tenure ²	ea operated r other for of tenure
1		1	<u>مَيْ ا</u>	∢ ∘			ame	For of n	For produ ale	nl fo	Under	A on a	Area oper tradition	Ar

¹ Including area operated gratuitously (rent-free) and area operated in right of usufructuary mortgage. - ² Including area operated jointly by a tribe, a clan, or a part thereof.

Section 1 - LAND UTILIZATION

Additional and modified census items proposed

SUBDIVISION OF GROUP 11.9

In conditions prevailing in Africa, it is important to possess data on the area of land prepared for cultivation but not sown or planted on the date accepted as the time reference for collecting information on land utilization. Such land should be included in Group 11.9 — All other arable land. In the Regional Program, this group (see page 21) has, therefore, been subdivided into the two following items:

11.91 Land prepared for cultivation but not sown or planted

11.92 Other arable land not classified elsewhere

SUBDIVISION OF GROUP 15.9

In view of the increasing importance of fish culture on agricultural holdings in the region, an item on the area under fish ponds has been introduced. Hence, Group 15.9 — Land in the holding not classified elsewhere — is subdivided in the Regional

Program into two following items:

15.91 Land under fish ponds 15.99 Other land not classified elsewhere

Modified and additional tabulation plans

Tables 1.1 and 1.2 of the World Program have been modified to reflect the changes in the list of items introduced in the Regional Program, as follows:

In Table 1.1 — Number and area of holdings, by size and by land utilization — the last column, "Land not classified elsewhere," has been subdivided into three columns, indicating (a) Number of holdings reporting land under fish ponds; (b) Area of land under fish ponds; and (c) Area of other land not classified elsewhere.

In Table 1.2 — Area, in hectares, of arable land, by size of holding and by land utilization — the last column, "All other arable land," has been subdivided into two columns: "Prepared for cultivation but not sown or planted" and "Other."

The above-mentioned tables should therefore read as follows:

Table 1.1. - Number and area of holdings, by size and by land utilization

Num- (hect. ber ares) Num- (hect. ber ares) Num- (hect. ber ares) Num- (hect. ber ares) Area (hect. ber ares) Area (hect. ber ares) Area (hect. ber ares) Area (hect. ber ares)		Total		7	Land under	nder		Land	d under idows an	Land under permanent meadows and pastures	nt 35		Wood or			A	All other land	put	
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Holdings of size not reported												.,							
	Holdings of size not reported				************														
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Table 1.2. - Area, in hectares, of arable land, by size of holding and by land utilization

				Area of arable	land reporte	d	
Size class		Under	Under	Under		All other ara	ible land
	Total	temporary crops	temporary meadows	market and kitchen gardens	Temporarily fallow	Prepared for cultivation but not sown or planted	Other
All holdings with land					i		
Holdings under 0.5 hectare					•		
under 0.1 hectare			ļ				
0.1 hectare and under 0.2							
0.2 hectare and under 0.5							
Holdings 0.5 hectare and over							
0.5 hectare and under 1							
1 hectare and under 2							
2 hectares and under 3							
3 hectares and under 4		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s					
4 hectares and under 5							
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10 hectares and under 20			1				
20 hectares and under 50							
50 hectares and under 100							
100 hectares and under 200							
200 hectares and under 500							
500 hectares and under 1,000							
1,000 hectares and under 2,500							
2,500 hectares and over							
Holdings of size not reported							

Section 2 - CROPS

Additional and modified census items proposed

SUBDIVISION OF ITEM 21.13

The cultivation of swamp rice, i.e., rice grown on naturally wet land, is considered of importance in African countries. Therefore, on page 27 of the World Program, the following subitem should be added after item 21.13 — Rice:

(a) Of which swamp rice

SUBDIVISION OF SUBITEM 21.15 (b)

In the Regional Program, subitem 21.15 (b) — Ordinary maize — has been subdivided into:

- (i) Synthetic varieties
- (ii) Common varieties

ITEMS TO ESTIMATE AREAS OF SPECIFIC CROPS

A practice to cultivate simultaneously different crops on the same land is very common in the African region. In such cases as area of a specific crop, there should be reported that area which would be occupied if this crop had been grown alone, i.e., single-crop equivalent area. The "total" area of the crop will then be equal to the sum of "area of the crop grown in pure stand" and of "single-crop equivalent area."

In view of the importance of this approach in conditions prevailing in Africa, it is recommended that data on each area component mentioned above should be recorded during the census. Therefore, in the Regional Program, the headings in the columns on pages 26 to 31 should be replaced by the following:

					Α	rea						Production
	То	tal 1			Irrig	gated	***************************************		Not in	rigated		
Crop grown in pure stand	Crop grown mixed or asso- ciated	Single- crop equiva- lent area	Total	Crop grown in pure stand	Crop grown mixed or asso- ciated	Single- crop equiva- lent area	Total	Crop grown in pure stand	Crop grown mixed or asso- ciated	Single- crop equiva- lent area	Total	Total

¹ See footnote (1) on page 26 of the World Program.

Furthermore, on pages 32 and 33, the headings of the first three columns under Area in compact

plantations should be, in the Regional Program, replaced by the following:

				Aı	rea in comp	act plantatio	ns				
	To	tal				r vines of ctive age				r vines of uctive age	
Crop grown in pure stand	Crop grown mixed or asso- ci ted	Single- crop equiv- alent area	Total [.]	Crop grown in pure stand	'Crop grown mixed or asso- ciated	Single-crop equivalent area	Total	Crop grown in pure stand	Crop grown mixed or asso- ciated	Single-crop equivalent area	Total

The remaining part of the headings on pages 32 and 33 is retained without change, as in the World Program.

Modified and additional tabulation plans

In consideration of changes in the list of items introduced in the Regional Program, Tables 2.1 and 2.2 of the World Program have been accordingly modified and should read as follows:

Table 2.1. - Area and production of by size of holding 1 (State name of crop on arable land)

	Quantity	(unit of measure)																				
	igated	Single-4 crop equiv- alent area												1.							· ·	
	Not irrigated	Area of the crop grown mixed or associated										to the total design of the		:			•					
		Area of the crop grown in pure stand																				
°1		Total ⁴		-				1		:								: .				
op reporte	Irrigated	Single-+ crop equiv- alent area		-	-																	
Area of crop reported 2	Irri	Area of the crop grown mixed or associated	MARON CONTRACTOR				:	-														
		Area of the crop grown in pure stand	· Control Control															1				
		Total 4	799057008787018888900			:														-		
	Total	Single- grop equiv- alent area 3	11 001111000000000000000000000000000000		Water to the control of the control				aran menine													
	ř	Area of the crop grown mixed or as-			:					-		:	:	1		1						
		Area of the crop grown in pure stand																		-		:
	Number	ings re-	~~								:											
		Size class	All holdings with land	Holdings under 0.5 hectare	under 0.1 hectare	0.1 hectare and under 0.2	0.2 hectare and under 0.5	Holdings 0.5 hectare and over	0.5 hectare and under 1	hectare and under 2	hectares and under 3	hectares and under 4	hectares and under 5	hectares and under 10	hectares and under 20	hectares and under 50	hectares and under 100	hertares and under 500	nectares and under 1,000	hectares and under 2,500	hectares and over	Holdings of size not reported
			All holding	Holdings und	under 0.1	0.1 hectar	0.2 hectar	Holdings 0.5	0.5 hecta	1 hecta	2 hecta	3 hects	4 hects				30 necta		_	1,000 hecta	2,500 hecta	

¹ A similar table should be prepared for each of the crops on "Arable land" (Major Group 21) listed in the Program. "Number of holdings reporting" (column 1) refers to the crop in the table. — *Indicate whether the data refer to net or gross area. — *The single-crop equivalent area relates to the "Area of the crop grown mixed or associated." - This is the sum of "Area of the crop grown in pure stand" and of "Single-crop equivalent area."

Table 2.2. -, area and number of trees and vines and production, by size of holding 1 (State name of permanent crop)

vines		see.	13 to radmuM saniv 10															
scattered trees or vines		zgnit	Number of hole reporting				٠.				:		1.				-	
	rees	92	Of nonproductive ag				 											
	Number of trees or vines		ogs avizzuborq tO															
	Z		IstoT									adved as consider						
			Total 3															
		Trees or vines of nonproductive age	qono-əlgniZ gene nəleviupə				 ******************************				noise disebela	#0004FETW						
		Trees of	Area of the crop and bexim inworg besiscotze			***************************************	 											:
suc			Area of the crop grown in pure stand	***************************************		NE PART A STRUCTURE	 				 				······································		 	
Compact plantations		<u>_</u>	C [610]				 				 						 	
ompact	Area	Trees or vines of productive age	Single-crop equivalent area				 					all Shilledonich					 	
U	4	Trees o	Area of the crop gramm mworg to associated	-			 				 						 	-
			Area of the crop grown in myorg				 										 	
			E lesoT			******	 				 	_ ~~~					 	
		Total	Single-crop				 				 						 	
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			qoro ant to sarA bnase aruq ni nworg		****		 				 					********	 *********	
		crop)	permanent Number of hold reporting				 -vanissam.			****	 						 	
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			Size class	All holdings with land	Holdings under 0.5 hectare	under 0.1 hectare	Holdings 0.5 hectare and over	0,5 hectare and under 1	hectare and under 2	hectares and under 3	hectares and under 10	hectares and under 20	hectares and under 50	hectares and under 200h	hectares and under 500	hectarės and under 1,000	hectares and over	Holdings of size not reported

¹A similar table should be prepared for each of the "Permanent crops" (Major Group 23.) listed in the Program. - ² The single-crop equivalent area." This is the sum of "Area of the crop grown in pure stand" and "Single-crop equivalent area."

Section 3 - LIVESTOCK AND POULTRY

Additional and modified census items proposed

Additional subdivision of Groups 32, 34, 35 and 36 Efforts are made in some African countries to improve the livestock population. In view of this,

in the Regional Program an additional subdivision of cattle, sheep, goats and pigs by type of breed has been introduced. Therefore, on pages 38-39 of the World Program, the following should be added:

		Number
32.3	Cattle (all ages) classified by type of breed	
	32.31 Improved stock	
	32.32 Unimproved stock	
	Sheep (all ages) classified by type of breed	
	34.41 Improved stock	
	34.42 Unimproved stock	
 35.4	Goats (all ages) classified by type of breed	
33.1	35.41 • Improved stock	
	35.42 Unimproved stock	
 	33.42 Ommproved stock	
36.3	Pigs (all ages) classified by type of breed	
30.2	36.21 Improved stock	
	36.22 Unimproved stock	• • • •

Transfer from the Expanded List to the Short List

From the World Program, Group 31.4 is transferred from the Expanded List to the Short List for the Regional Program. The appropriate group on page 37 of the World Program should therefore read as printed in **bold type**, i.e.:

31.4 Camels (all ages)

Additional definition of census items and explanatory notes

IMPROVED STOCK

Improved stock should include the following groups of animals: exotic animals (purebreed), crosses of

exotic with indigenous animals, and any other indigenous animals that had been subjected to a process of systematic selection resulting in increased production, e.g., increased yield in meat, milk, wool, etc.

Modified and additional tabulation plans

According to changes in the list of items introduced in the Regional Program, new Tables 3.3 (a), 3.8 (a), 3.9 (a) and 3.10 (a) have been added, while Tables 3.13 of the World Program has been adequately modified. These tables should read as follows:

Table 3.3 (a). - Number of holdings reporting and number of cattle classified by type of breed, by size of holding

	Tot	al	Improve	d stock	Unimprov	ed stock
Size class	Number of holdings reporting	Number of head reported	Number of holdings reporting	Number of head reported	Number of holdings reporting	Number of head reported
All holdings with and without land		: :	:			
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5	`					
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3						
3 hectares and under 4						
50 hectares and under 100						
2,500 hectares and over					: .	N.

Table 3.8 (a). - Number of sheep classified by type of breed, by size of holding

Size class	Total number of sheep reported	Improved stock	Unimproved stock
All holdings with and without land			
Holdings without land			
Holdings under 0.5 hectare			
under 0.1 hectare			
0.1 hectare and under 0.2			
0.2 hectare and under 0.5			
Holdings 0.5 hectare and over			
0.5 hectare and under 1			
1 hectare and under 2	· .]		
2 hectares and under 3			
3 hectares and under 4			
4 hectares and under 5			
5 hectares and under 10			
10 hectares and under 20			
20 hectares and under 50			
50 hectares and under 100			
100 hectares and under 200			
200 hectares and under 500			
500 hectares and under 1,000	4		
1,000 hectares and under 2,500			
2,500 hectares and over			
Holdings of size not reported			

Table 3 9 (a) - Number of goats classified by type of breed, by size of holding

Size class	Total number of goats reported	Improved stock	Unimproved stock
All holdings with and without land			
Holdings without land			
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5			
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3		:	
3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20			
20 hectares and under 50			
200 hectares and under 500			
Holdings of size not reported			·

Table 3.10 (a). - Number of pigs classified by type of breed, by size of holding

Size class	Total number of pigs reported	improved stock	Unimproved stock
All holdings with and without land			
Holdings without land			
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5		: 1	
Holdings 0.5 hectare and over	And the state of t		
1 hectare and under 2			
3 hectares and under 4			
4 hectares and under 5			
10 hectares and under 20			
50 hectares and under 100			
200 hectares and under 500			
1,000 hectares and under 1,000			
2,500 hectares and over			
Holdings of size not reported			

Table 3.13. - Other domesticated animals

Camels	(c) Other fur-bearing animals	
Number of holdings reporting	 Number of holdings reporting	
Total number of camels	 Number of head reported	
Number of camels under 4 years of age	 Bees	
Llamas, guanacos, alpacas and vicuñas Number of holdings reporting Number of head reported	 Number of holdings reporting beehives Total number of beehives	(unit of measure)
Fur-bearing animals	Quantity of beeswax produced	
(a) Foxes Number of holdings reporting Number of foxes reported (b) Mink Number of holdings reporting Number of mink reported	 Silkworms Number of holdings reporting silkworms Quantity of eggs placed in incubation Quantity of fresh cocoons produced	(unit of measure) (unit of measure) (unit of measure)

Section 4 - EMPLOYMENT IN AGRICULTURE

Additional and modified census items proposed

Subdivision of subitems 42.13 (a), 42.13 (b) and 42.13 (c)

In the Regional Program, subitems 42.13 (a), 42.13 (b) and 42.13 (c) are each subdivided into:

- (i) Paid in kind
- (ii) Paid in cash
- (iii) Paid both in kind and in cash

Therefore, in the World Program, item 42.13 and its subdivision (see page 49) should be replaced by the following:

					Male			Female	
Major group Group			Total	Under 15 years of age	15 to 64 years of age	65 years of age and over	Under 15 years of age	15 to 64 years of age	65 years of age and over
*42		rsons working for pay on the olding 1							
	*(0	a) Permanent workers							
		(i) Paid in kind							
		(ii) Paid in cash							
		in cash			• • •			,	
	*(1	b) Temporary workers							
		(i) Paid in kind	• • •		• • • •			• • • •	
		(ii) Paid in cash (iii) Paid both in kind and	• • •		•••	• • •	• • •	• • •	
		in cash	• • •		• • • •	• • • •			
	*(0								
		(i) Paid in kind							
		(ii) Paid in cash (iii) Paid both in kind and	• • •						
		in cash	• • •						

^{*} Items repeated without modification from the World Program. - 1 See footnotes (1) and (2) on page 49 of the World Program.

Additional definition of census items and explanatory notes

AGE GROUPS

In some African countries it might be difficult to collect data on persons employed in agriculture classified by three age groups as proposed in this Program. In such cases, it is suggested to inquire

at least for two groups of age: "Under 15 years" and "15 years of age and over."

Modified and additional tabulation plans

According to modifications introduced in the list of items for the Regional Program, a new Table 4.2 (a) has been added, as follows:

Table 4.2 (a). - Number of persons working for pay on the holding during the census week, classified by sex and kind of payment, by size of holding

				ď	rmanen	Permanent workers	2				Tempo	Temporary workers	rkers		_		Occas	Occasional workers	orkers		
	sBu	1		Σ	Male		Female	le			Male		F.	Female			Male	'		Female	
Size class	Number of hold reporting	Total number of workers	IssoT	bis9 bij ni bis9	dzsə ni Azed bisq bas brid ni	in cash Paid	hin di bisq dzso ni	haod bisq bns bnid ni dsso ni	Тога	bis9 bnix ni	Pisq Azso ni	dad bis? bas baid ai das ni	Paid ni kind Paid	dzes ni dzes ni haod bisq bas bnid ni	in cash	bis9 brind ni	Paid dzso ni	Paid both and and in kind and in cash	Paid in kind	bis9 dsso ni	Haod bis9 bns bnik ni Asso ni
All holdings with and without land							***************************************									····		:			
Holdings without land								***********							***************************************				14.		
Holdings under 0.5 hectare								******	******					***************************************			:		-	1.	
under 0.1 hectare																					
0.2 hectare and under 0.5																					
Holdings 0.5 hectare and over		· ·					~~~~														
0.5 hectare and under 1					-	********								*****			1	١			
1 hectare and under 2																			1		
hectares and under 4			****								. :	-				,					
hectares								Pinnaman										3			
5 hectares and under 10												٠.				-		. 1	:		

50 hectares and under 100											-			,							
100 hectares and under 200			***********		**********	*********					:					_	·.		1		
hectares and						-	NAMES												÷.		
hectares and											-						· .			i.	
1,000 hectares and under 2,500				~	***************************************						:									1	
2,500 hectares and over										-							:				
Holdings of size not reported											-						:	-			
					***************************************				:								1.				

Section 5 - FARM POPULATION

Additional and modified census items proposed

ADDITIONAL SUBDIVISION

To collect adequate information on farm population, as proposed in the World Program, may be difficult under African conditions unless enumerated data distinguish persons present on the holding at

the time of enumeration from those absent at the same time. In the Regional Program, it is therefore proposed that data on farm population include separately each of the above-mentioned categories. Hence, the table on page 56 of the World Program should be replaced for the Regional Program by the following:

Major
Group

Group

51. FARM POPULATION

- 51.1 Members of the holder's household (Include the holder and participants in co-operative, collective and communal holdings together with members of their families and unrelated persons living in their households)
 - Under 15 years of age
- 51.2 Others persons living on the holding (include all persons living on the holding who are not members of the holder's household, whether or not such persons work on the holding)
 - (a) Under 15 years of age

	Total			Male			Female	
Total	Present on the holding	Absent from the holding	Total	Present on the holding	Absent from the holding	Total	Present on the holding	Absent from the holding
		• • • •	• • • •					
		• • • •						
					• • •			
				l				
								:
	1		l	i	l		1	i

Additional definition of census items and explanatory notes

PERSONS TO BE INCLUDED AS MEMBERS OF THE HOLDER'S HOUSEHOLD

It is pointed out that, according to the definition of "household" (page 56), as members of the holder's household should be considered persons normally residing together with the holder. By "normally residing" is understood that (a) the person habitually lives within the holder's household; (b) that he/she may be temporarily absent at the day of enumeration (e.g., visiting some persons outside the holding, working temporarily and living outside the holding, being in a hospital), provided he/she is expected to return to the holder's household within a short period of time. The limit for the duration of the period of absence should be fixed according to the conditions prevailing in the country.

TEMPORARY VISITORS

In some African countries the problem of persons staying temporarily on the holding as, for instance, visitors and guests, has an importance, specially as these visitors and guests may participate in agricultural work on the holding. It is suggested that these countries enumerate such persons in their agricultural census. However, temporary visitors should be excluded from the farm population and, therefore, the data relating to these persons should be tabulated separately.

AGE GROUPS

See explanatory note to this subject in Section 4, page 101.

Modified and additional tabulation plans

According to changes in the list of items introduced in the Regional Program, footnote 1 to Table 5.2 of the World Program, page 57, should read: ¹ Countries which are in a position to do so are

requested to tabulate these data additionally (a) for farm population present on the holding; (b) for farm population absent from the holding; and (c) by type of holding.

Furthermore, a new Table 5.3 has been added for the Regional Program, as follows:

Table 5.3. - Farm population, present or absent from the holding, by size of holding

Size class	hold	mbers of ler's hous t on the	ehold	hold	mbers of ler's hous from the			r persons present o holding	on the		r persons he holdir absent	
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All holdings with and without land	1							<u> </u>				
Holdings without land										:		
Holdings under 0.5 hectare under 0.1 hectare 0.1 hectare and under 0.2 0.2 hectare and under 0.5												· ·
Holdings 0.5 hectare and over 0.5 hectare and under 1 1 hectare and under 2 2 hectares and under 3 3 hectares and under 4 4 hectares and under 5 5 hectares and under 10 10 hectares and under 20 20 hectares and under 50 50 hectares and under 50	Local Design											
100 hectares and under 200					Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table 1 Table				AND THE REAL PROPERTY OF THE P			

Section 8 - FERTILIZERS AND SOIL DRESSINGS

Additional definition of census items and explanatory notes

WOOD ASH

Wood ash should be reported in item 81.4 only

if it is brought to the land from other sources and *not* if it is obtained directly from the burning of trees on the same land.'

Section 9 - WOOD AND FISHERY PRODUCTS

Additional and modified census items proposed

DELETION OF A GROUP

Group 91.4 — Christmas trees, has been deleted from the Regional Program.

Additional definition of census items and explanatory notes

WOOD FOR CONSTRUCTION PURPOSES

It is noted that wood used for construction purposes should be classified on the basis of its physical characteristics, either as "Sawlogs," in which case it was destined for sawing before its use, or as "Other roundwood."

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