

LIVESTOCK SECTOR BRIEF

CÔTE D'IVOIRE

Food and Agriculture Organization
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Livestock Information, Sector Analysis
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Data contained in this Livestock Sector Brief are taken from official sources. Official sources are no guarantee for data accuracy and the figures reported in this brief should be taken as indicative and not be used for official purposes. The Food and Agriculture Organization of the United Nations assumes no responsibility for its accuracy, completeness and coherence.

PREFACE

The Livestock Sector Briefs (LSB) are intended to provide a quick overview and an approximate outlook for the livestock sector of the respective country using figures and quantitative indicators originating from official sources. The LSBs are complemented by a synthesis of policy documents available in the public domain.

The majority of the data in the LSBs refer to the country as a whole and come from FAOSTAT, which is available on the internet (<http://faostat.external.fao.org/default.jsp>). FAO, as part of its mandate, compiles information and data on various aspects of food and agriculture from all countries. The data are analysed and interpreted to support FAO's programmes and activities and, in accordance with the basic functions of the Organization, they are disseminated to the public through publications, CD-ROM, diskettes and the Internet. The country level data are officially submitted to the Division for Statistics of FAO (ESS) by various ministries of the respective countries. For details of data collection procedures see <http://faostat.fao.org/abcdq/about.htm>. The figures submitted often display inconsistencies across ministries, for example reported meat production does not always match reported meat consumption when taking into account imports and exports. FAO tries to reconcile the figures, to the effect that FAO statistics may differ from those originally submitted.

The LSBs utilise FAOSTAT data from the following domains: human population, land use, agriculture production, food supply and agricultural and food trade. These are used to derive a standard set of indicators that can quickly be compared across the countries.

Data on the economy are from the World Bank's World Development Indicators CD-Rom, which is also available online <http://www.worldbank.org/data/> and is updated every year. Animal health data are taken from the Office International des Epizooties (OIE) HANDISTATUS II <http://www.oie.int/hs2/>. These are official data supplied by member nations.

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1. GENERAL INFORMATION

Human population, land and socio-economics

| | |
|--|--------------------------|
| Human population | 16.4 million |
| Population density on total land | 51.5 persons/sqkm |
| Annual growth rate (1990-2000) | 2.1 % |
| Population in agriculture | 7.7 million |
| As proportion of total population | 47.0 % |
| | |
| Total land area | 318,000 sqkm |
| Agricultural land | 199,000 sqkm |
| As proportion of total land | 62.6 % |
| Land under pasture | 130,000 sqkm |
| As proportion of total land | 65.3 % |
| Irrigated area | 730 ha |
| Agricultural land per 100 people | 122 ha |
| Agricultural land per 100 people in agriculture | 259 ha |
| Agricultural population density on agricultural land | 38.7 persons/sqkm |
| | |
| GDP ¹ | 12,810 million US\$ |
| GDP annual growth rate (1990-2000) | 2.3 % |
| GDP per capita/year ¹ | 776 US\$ |
| GDP per capita annual growth rate (1990-2000) | -0.4 % |
| Agriculture, GDP | 3,353 million US\$ |
| As proportion of total GDP | 26.2 % |
| Livestock, GDP ¹ | 243 million US\$ |
| As proportion of agricultural GDP | 7.2 % |
| Human development Rank | 163 Ranking ² |
| Human development index | 0.399 |
| | |
| Poverty incidence ³ | |
| Total | na % |
| Urban | na % |
| Rural | na % |

¹Constant 1995 US\$ ² The HDI rank is determined using HDI values to the fifth decimal point – from 177 countries, as compiled by the UNDP; ³ National poverty line; na: not available

Source: World Bank (2002); UNDP (2004); FAO (2005a)

Human population trends

Values expressed in 1,000

| Population segment | Year | | | | Annual growth rate (%) | |
|--------------------|-------|--------|--------|--------|------------------------|-----------|
| | 1980 | 1990 | 2000 | 2002 | 1980-1990 | 1990-2000 |
| Total | 8,427 | 12,505 | 15,827 | 16,365 | 4.0 | 2.4 |
| Rural | 5,500 | 7,522 | 8,925 | 9,097 | 3.2 | 1.7 |
| Urban | 2,927 | 4,983 | 6,902 | 7,268 | 5.5 | 3.3 |

Source: FAO (2005a)

Trends in agricultural¹ land

Values expressed in sqkm

| Land type | Year | | | | Annual growth rate (%) | |
|----------------------|---------|---------|---------|---------|------------------------|-----------|
| | 1980 | 1990 | 2000 | 2002 | 1980-1990 | 1990-2000 |
| Total | 172,550 | 189,300 | 199,000 | 199,000 | 0.9 | 0.5 |
| Cropped ² | 42,550 | 59,300 | 69,000 | 69,000 | 3.4 | 1.5 |
| Pastures | 130,000 | 130,000 | 130,000 | 130,000 | 0.0 | 0.0 |

¹The sum of area under arable land, permanent crops and permanent pastures

²Arable and permanent crops

Source: FAO (2005a)

2. LIVESTOCK RESOURCES

Livestock populations

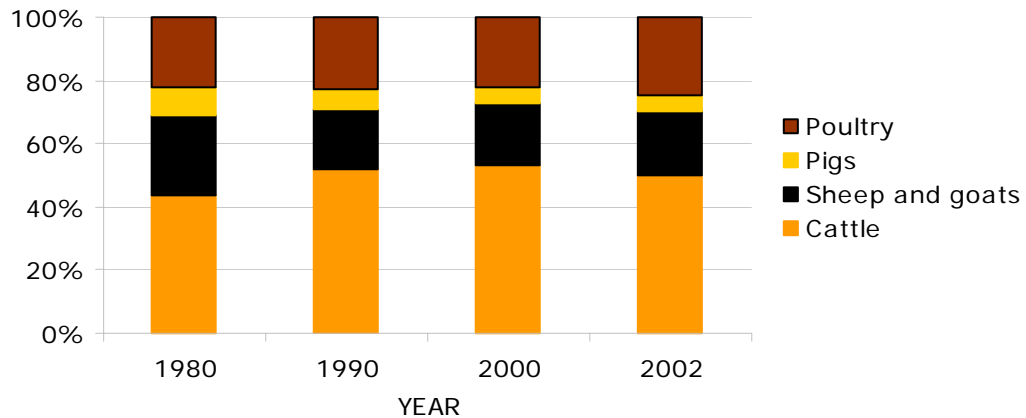
Values expressed in 1,000

| Species | Year | | | | Annual growth rate (%) | |
|-----------------|--------|--------|--------|--------|------------------------|-----------|
| | 1980 | 1990 | 2000 | 2002 | 1980-1990 | 1990-2000 |
| Cattle | 666 | 1,108 | 1,409 | 1,341 | 5.2 | 2.4 |
| Sheep and goats | 1,920 | 2,022 | 2,585 | 2,713 | 0.5 | 2.5 |
| Pigs | 315 | 360 | 336 | 350 | 1.3 | -0.7 |
| Poultry | 17,000 | 24,120 | 29,400 | 32,625 | 3.6 | 2.0 |
| Total LUs | 758 | 1,069 | 1,324 | 1,338 | 3.5 | 2.2 |

LU: *Livestock unit*; **conversion factors:** cattle (0.50), sheep and goats (0.10), pigs (0.20) and poultry (0.01)

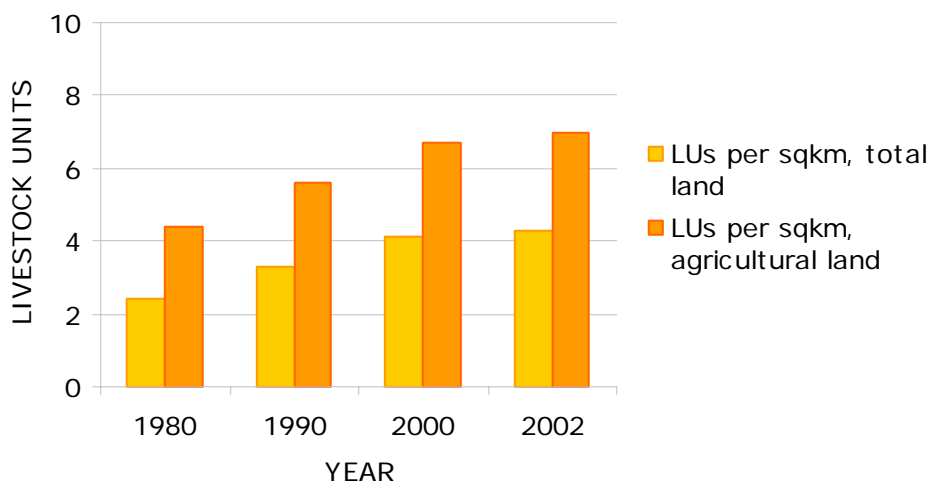
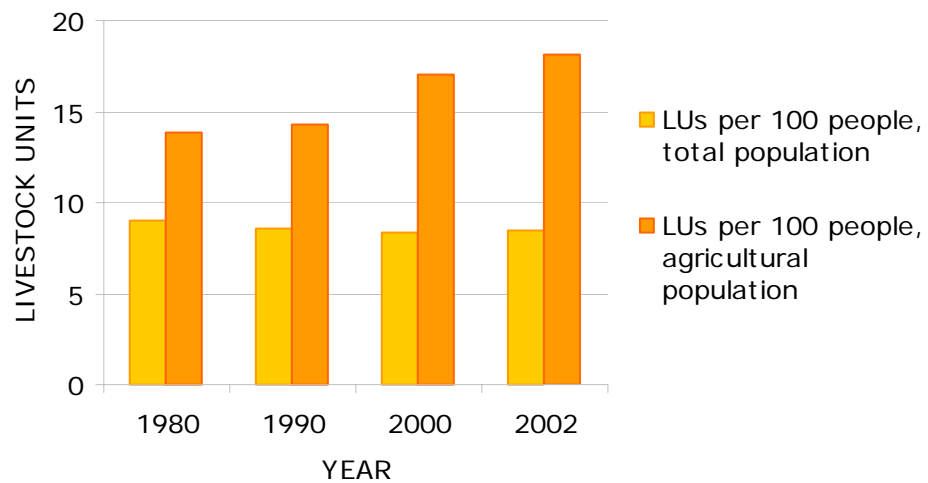
Source: FAO (2005a)

Contribution of different species to total livestock units



Source: FAO (2005a)

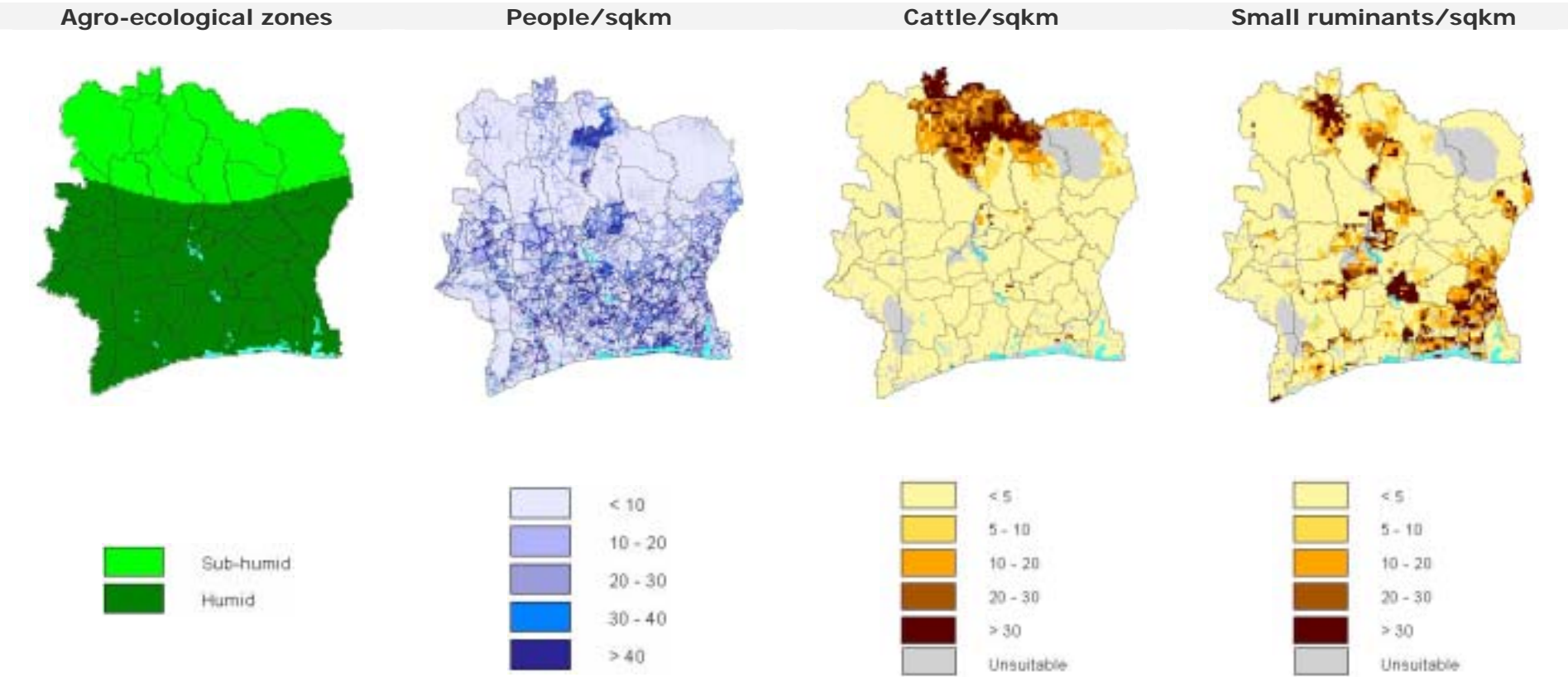
Selected indicators of livestock resources



Source: FAO (2005a)

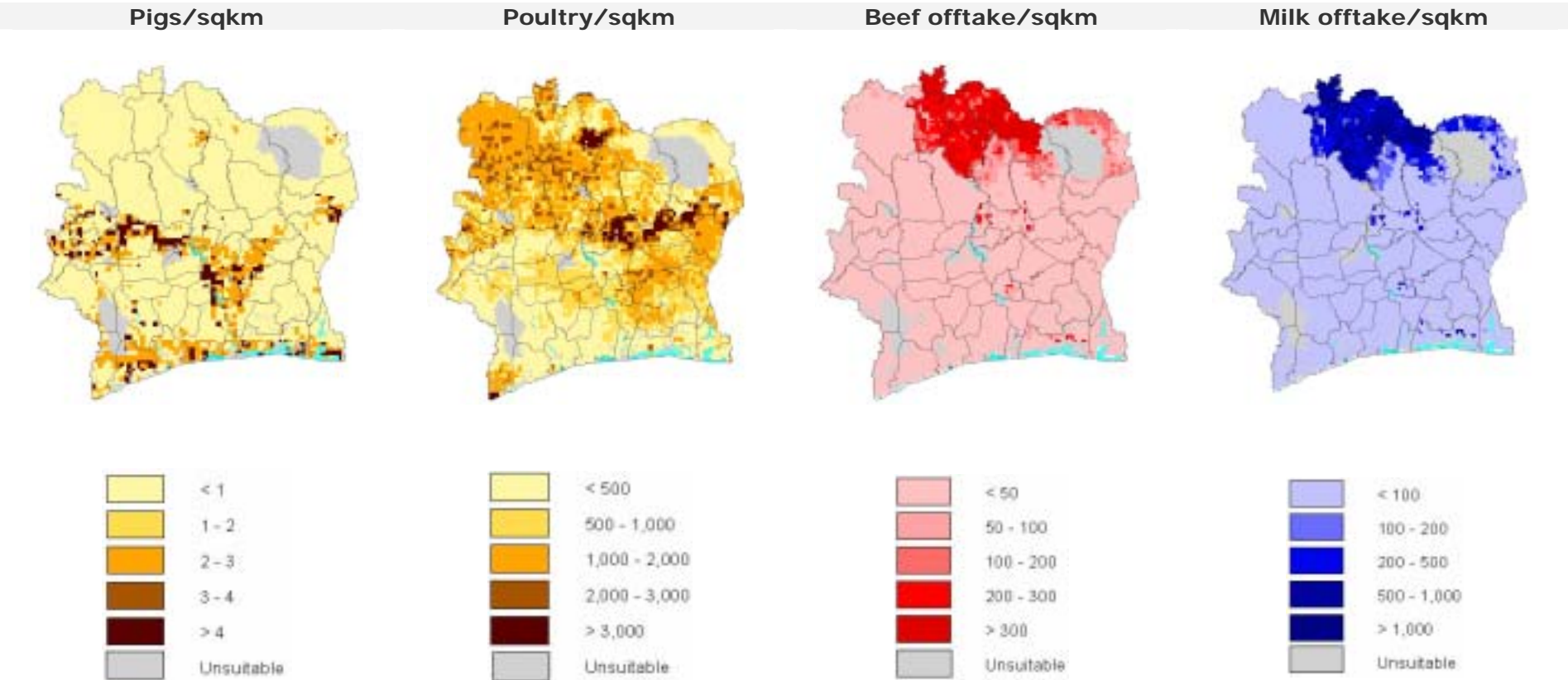
Agro-ecological zones and densities of livestock species (2000)

Density calculated on total land area¹



¹Densities for livestock populations and production are based on total land suitable for livestock production

Source: FAO (2001); LandScan (2002), FAO (2005b)



Source: FAO (2005b); FAO (2003)

3. LIVESTOCK PRODUCTION

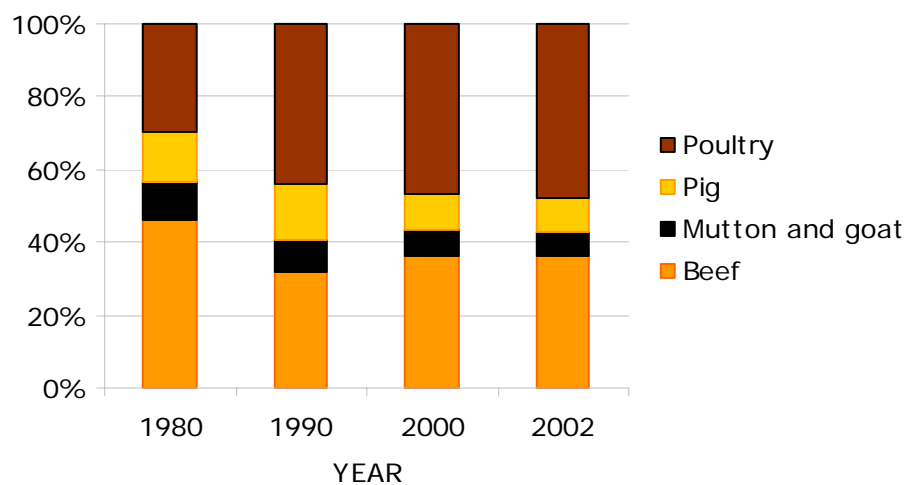
Trends in annual production of meat, milk and eggs

1,000 metric tonnes

| Product | Year | | | | Annual growth rate (%) | |
|-----------------|------|-------|-------|-------|------------------------|-----------|
| | 1980 | 1990 | 2000 | 2002 | 1980-1990 | 1990-2000 |
| Meat, total | 120 | 124.7 | 161.9 | 173.5 | 0.4 | 2.6 |
| Beef | 42.5 | 31 | 48.3 | 52.5 | -3.1 | 4.5 |
| Mutton and goat | 9.4 | 8.5 | 9.5 | 9.4 | -1.0 | 1.1 |
| Pig | 12.6 | 14.4 | 13.4 | 14.3 | 1.3 | -0.7 |
| Poultry | 27.5 | 42.7 | 62.7 | 69.3 | 4.5 | 3.9 |
| Milk, total | 11.7 | 17.6 | 24.7 | 25.9 | 4.2 | 3.5 |
| Eggs, total | 9.7 | 13.8 | 33.8 | 31.2 | 3.6 | 9.3 |

Source: FAO (2005a)

Composition of total meat production



Source: FAO (2005a)

Carcass weights and percentage slaughtered by species

| Species/year | Carcass weight (kg/animal) | | | | Percentage slaughtered/year | | | |
|--------------|----------------------------|-------|-------|-------|-----------------------------|-------|-------|-------|
| | 1980 | 1990 | 2000 | 2002 | 1980 | 1990 | 2000 | 2002 |
| Cattle | 137.0 | 137.0 | 165.7 | 139.3 | 46.5 | 20.5 | 20.7 | 28.1 |
| Sheep | 10.0 | 10.0 | 10.3 | 10.3 | 46.6 | 40.4 | 32.7 | 32.7 |
| Goat | 10.0 | 10.0 | 10.0 | 10.0 | 52.2 | 44.5 | 40.6 | 36.1 |
| Pigs | 50.0 | 50.0 | 50.0 | 50.0 | 80.0 | 80.0 | 80.0 | 81.7 |
| Poultry | 1.1 | 1.1 | 1.1 | 1.1 | 147.1 | 160.9 | 193.9 | 193.1 |

Source: FAO (2005a)

Milk yields and proportion of dairy animals

| Species/year | Milk yield (kg/year) | | | | Percentage milked | | | |
|--------------|----------------------|------|------|------|-------------------|------|------|------|
| | 1980 | 1990 | 2000 | 2002 | 1980 | 1990 | 2000 | 2002 |
| Cattle | 124 | 149 | 132 | 132 | 14.1 | 10.6 | 13.3 | 14.7 |

Source: FAO (2005a)

Egg yields and proportion of laying birds

| Species/year | Eggs (kg/year) | | | | Percentage laying | | | |
|--------------|----------------|------|------|------|-------------------|------|------|------|
| | 1980 | 1990 | 2000 | 2002 | 1980 | 1990 | 2000 | 2002 |
| Chicken | 1.4 | 1.4 | 1.4 | 1.3 | 40.6 | 41.5 | 80.8 | 75.4 |

Source: FAO (2005a)

Estimated feed used for livestock production

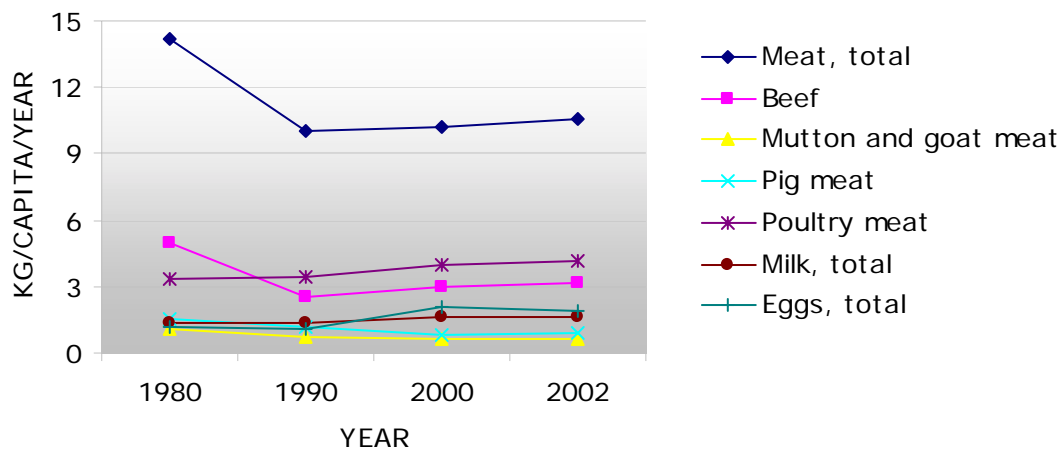
1,000 metric tonnes

| Product | Year | | | | Annual growth rate (%) | |
|---------------------------------|------|------|------|-------|------------------------|-----------|
| | 1980 | 1990 | 2000 | 2002 | 1980-1990 | 1990-2000 |
| Maize | 39.9 | 49.9 | 70.7 | 67.3 | 2.3 | 3.6 |
| Barley | | | | | | |
| Sorghum | 6.0 | 7.0 | 8.2 | 8.5 | 1.6 | 1.5 |
| Millet | | | | | | |
| Wheat | | | | | | |
| Brans | 42.9 | 64.3 | 88.9 | 84.8 | 4.1 | 3.3 |
| Rice Paddy, equivalent | 0.0 | 16.7 | 100 | 133.3 | | 19.6 |
| Roots and Tuber, dry equivalent | 33.9 | 44.2 | 53 | 53.6 | 2.7 | 1.8 |
| Pulses | | | | | | |
| Oil crops | | | | | | |

Blanks represent no data

Source: FAO (2005a)

Trends in annual per capita production of meat, milk and eggs



Source: FAO (2005a)

4. CONSUMPTION OF MEAT, MILK AND EGGS

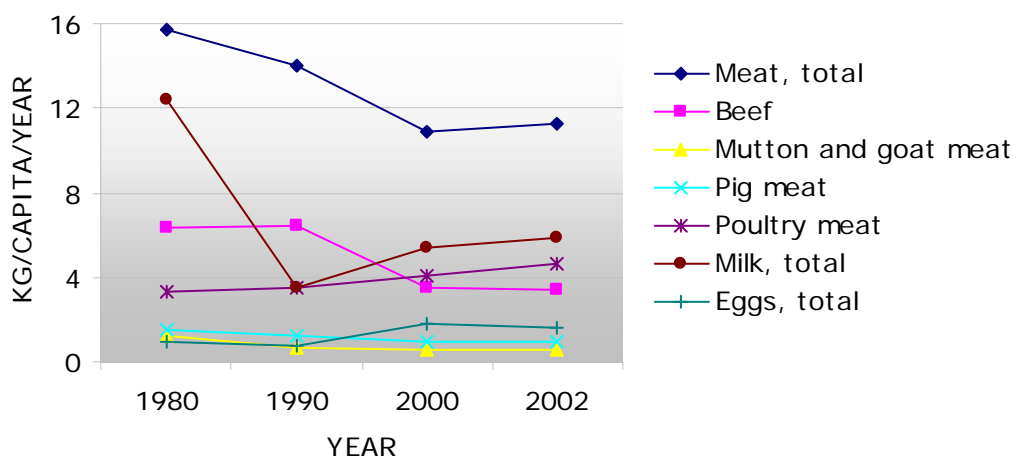
Trends in annual consumption of meat, milk and eggs

1,000 metric tonnes

| Product | Year | | | | Annual growth rate (%) | |
|----------------|-------|-------|------|-------|------------------------|-----------|
| | 1980 | 1990 | 2000 | 2002 | 1980-1990 | 1990-2000 |
| Meat, total | 132.2 | 174.8 | 173 | 184.2 | 2.8 | -0.1 |
| Beef | 53 | 79.4 | 55.3 | 56.3 | 4.1 | -3.6 |
| Sheep and goat | 10.3 | 8.7 | 9.6 | 9.5 | -1.6 | 0.9 |
| Pig | 13 | 15.3 | 14.2 | 15.2 | 1.7 | -0.8 |
| Poultry | 27.9 | 43.2 | 65.1 | 75.1 | 4.5 | 4.2 |
| Milk, total | 104.6 | 44.3 | 85.4 | 96.2 | -8.2 | 6.8 |
| Eggs, total | 7.8 | 10.5 | 28.6 | 25.8 | 3.0 | 10.6 |

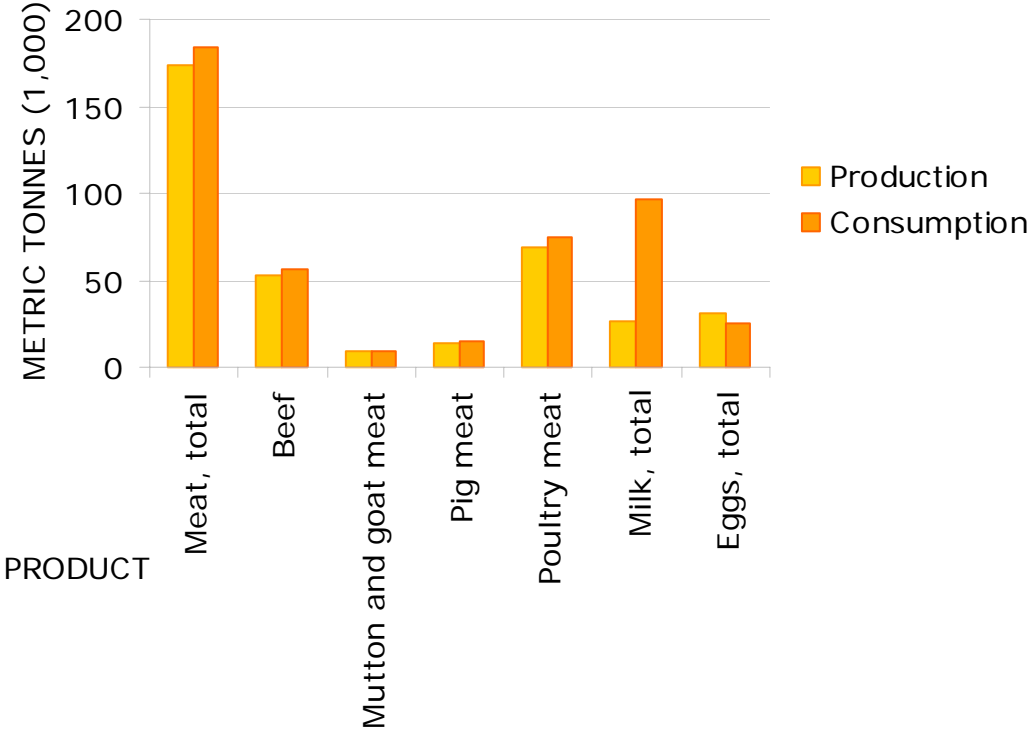
Source: FAO (2005a)

Trends in annual per capita consumption of meat, milk and eggs



Source: FAO (2005a)

Production versus consumption for meat, milk and eggs (2002)



Source: FAO (2005a)

5. TRADE IN LIVESTOCK AND LIVESTOCK PRODUCTS

Trade in agricultural and livestock¹ products

Values in million US\$

| Product | Exports | | | | Imports | | | |
|----------------|---------|-------|-------|-------|---------|-------|-------|-------|
| | 1980 | 1990 | 2000 | 2002 | 1980 | 1990 | 2000 | 2002 |
| Total | 3,561 | 3,421 | 4,211 | 5,641 | 4,190 | 2,927 | 3,471 | 3,558 |
| Agricultural | 1,981 | 1,613 | 1,910 | 3,007 | 486 | 424 | 384 | 462 |
| % agricultural | 55.6 | 47.2 | 45.4 | 53.3 | 11.6 | 14.5 | 11.1 | 13.0 |
| Livestock | 3 | 5 | 11 | 12 | 183 | 137 | 111 | 80 |
| % livestock | 0.1 | 0.1 | 0.3 | 0.2 | 4.4 | 4.7 | 3.2 | 2.2 |

¹Total trade in goods and services expressed in current US\$. Source: World Bank (2002)
Agricultural trade refers to all agricultural products, while livestock trade refers to trade in livestock products and live animals. Source: FAO (2005b)

Export/import 'dependency' for livestock products

| Product | Exports as percentage of production | | | | Imports as percentage of consumption | | | |
|------------------|-------------------------------------|-------|--------|--------|--------------------------------------|--------|--------|--------|
| | 1980 | 1990 | 2000 | 2002 | 1980 | 1990 | 2000 | 2002 |
| Meat, total | 0.12 | 0.00 | 0.27 | 0.04 | 9.21 | 29.19 | 6.15 | 5.87 |
| Beef | 0.32 | 0.00 | 0.01 | 0.09 | 20.07 | 62.11 | 12.76 | 7.07 |
| Sheep and goat | 0.04 | 0.00 | 0.00 | 0.00 | 8.01 | 2.09 | 0.86 | 0.83 |
| Pig | 0.02 | 0.00 | 0.01 | 0.02 | 1.99 | 5.62 | 4.47 | 5.73 |
| Poultry | 0.01 | 0.00 | 0.00 | 0.03 | 1.30 | 1.30 | 3.76 | 7.78 |
| Milk, equivalent | 27.17 | 53.48 | 241.79 | 120.66 | 162.55 | 297.38 | 144.67 | 106.55 |
| Eggs, total | 0.27 | 0.08 | 0.09 | 0.04 | 0.31 | 0.54 | 0.26 | 0.09 |

Source: FAO (2005a)

| Product | Net exports as percentage of production | | | | Net imports as percentage of consumption | | | |
|------------------|---|------|------|------|--|--------|-------|-------|
| | 1980 | 1990 | 2000 | 2002 | 1980 | 1990 | 2000 | 2002 |
| Meat, total | 0.00 | 0.00 | 0.00 | 0.00 | 9.10 | 29.19 | 5.90 | 5.83 |
| Beef | 0.00 | 0.00 | 0.00 | 0.00 | 19.82 | 62.11 | 12.75 | 6.98 |
| Sheep and goat | 0.00 | 0.00 | 0.00 | 0.00 | 7.97 | 2.09 | 0.86 | 0.83 |
| Pig | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 5.62 | 4.46 | 5.71 |
| Poultry | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 1.30 | 3.76 | 7.75 |
| Milk, equivalent | 0.00 | 0.00 | 0.00 | 0.00 | 159.51 | 276.12 | 74.63 | 74.04 |
| Eggs, total | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.16 | 0.05 |

Source: FAO (2005a)

Trade in live animals

| Species | 1980 | | | 1990 | | | 2000 | | | 2002 | | |
|---------------------------|----------|---------------|----------------|----------|---------------|----------------|------------|---------------|----------------|------------|---------------|----------------|
| | Export | Import | Net trade | Export | Import | Net trade | Export | Import | Net trade | Export | Import | Net trade |
| Quantities (count) | | | | | | | | | | | | |
| Cattle | | 225,000 | -225,000 | | 93,281 | -93,281 | | 146,477 | -146,477 | | 89,000 | -89,000 |
| Sheep and goats | 0 | 368,356 | -368,356 | 0 | 241,002 | -241,002 | 4 | 195,422 | -195,418 | 0 | 138,000 | -138,000 |
| Pigs | | 0 | 0 | | 1 | -1 | | 0 | 0 | | 0 | 0 |
| Poultry (1,000) | 0 | 3,500 | -3,500 | 0 | 1,436 | -1,436 | 11 | 1,815 | -1,804 | 64 | 1,635 | -1,571 |
| Value (1,000 US\$) | | | | | | | | | | | | |
| Cattle | | 67,000 | -67,000 | | 35,000 | -35,000 | | 52,000 | -52,000 | | 31,200 | -31,200 |
| Sheep and goats | 0 | 15,000 | -15,000 | 0 | 14,400 | -14,400 | 21 | 14,500 | -14,479 | 0 | 9,100 | -9,100 |
| Pigs | | 0 | 0 | | 1 | -1 | | 0 | 0 | | 0 | 0 |
| Poultry (1,000) | 0 | 2,204 | -2,204 | 0 | 1,300 | -1,300 | 164 | 704 | -541 | 117 | 697 | -580 |
| Total | 0 | 84,204 | -84,204 | 0 | 50,701 | -50,701 | 184 | 67,204 | -67,020 | 117 | 40,997 | -40,880 |

Net trade: Exports less Imports

Blanks represent no data

Source: FAO (2005a)

Trade in livestock products

| Product | 1980 | | | 1990 | | | 2000 | | | 2002 | | |
|-----------------------------------|--------------|---------------|----------------|--------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|----------------|
| | Export | Import | Net trade | Export | Import | Net trade | Export | Import | Net trade | Export | Import | Net trade |
| Quantities (metric tonnes) | | | | | | | | | | | | |
| Meat, total | 150 | 12,176 | -12,026 | 0 | 51,011 | -51,011 | 435 | 10,637 | -10,203 | 71 | 10,812 | -10,741 |
| Beef | 135 | 10,638 | -10,503 | 0 | 49,335 | -49,335 | 7 | 7,057 | -7,051 | 50 | 3,979 | -3,930 |
| Mutton and goat | 4 | 822 | -818 | 0 | 182 | -182 | 0 | 82 | -82 | 0 | 79 | -79 |
| Pig | 3 | 258 | -255 | 0 | 862 | -862 | 1 | 633 | -632 | 3 | 872 | -869 |
| Poultry | 4 | 361 | -357 | 0 | 562 | -562 | 2 | 2,453 | -2,450 | 18 | 5,843 | -5,825 |
| Other | 4 | 97 | -101 | 0 | 69 | -69 | 424 | 412 | -836 | 1 | 39 | -40 |
| Milk, equivalent | 3,178 | 169,982 | -166,803 | 9,413 | 131,685 | -122,273 | 59,818 | 123,563 | -63,745 | 31,265 | 102,466 | -71,200 |
| Eggs, total | 26 | 24 | 2 | 11 | 57 | -46 | 30 | 75 | -45 | 12 | 24 | -12 |
| Hides and skins | 1,420 | 0 | 1,420 | 50 | 65 | -15 | 37 | 25 | 12 | 197 | 30 | 167 |
| Value (1,000 US\$) | | | | | | | | | | | | |
| Meat, total | 378 | 27,312 | -26,934 | 0 | 33,701 | -33,701 | 434 | 7,999 | -7,566 | 69 | 8,493 | -8,424 |
| Beef | 313 | 23,202 | -22,889 | 0 | 31,359 | -31,359 | 12 | 5,212 | -5,201 | 41 | 3,107 | -3,066 |
| Mutton and goat | 21 | 2,067 | -2,046 | 0 | 748 | -748 | 0 | 182 | -182 | 0 | 190 | -190 |
| Pig | 19 | 1,238 | -1,219 | 0 | 1,186 | -1,186 | 1 | 704 | -703 | 5 | 785 | -780 |
| Poultry | 25 | 611 | -586 | 0 | 328 | -328 | 5 | 1,505 | -1,499 | 23 | 4,266 | -4,243 |
| Other | 0 | 194 | -194 | 0 | 80 | -80 | 416 | 396 | -812 | 0 | 145 | -145 |
| Milk, equivalent | 2,082 | 71,522 | -69,440 | 4,753 | 51,639 | -46,886 | 10,106 | 35,046 | -24,940 | 11,334 | 29,871 | -18,537 |
| Eggs, total | 90 | 109 | -19 | 26 | 376 | -350 | 86 | 372 | -285 | 38 | 145 | -107 |
| Hides and skins | 557 | 0 | 557 | 130 | 41 | 89 | 62 | 17 | 45 | 330 | 11 | 319 |
| Total | 3,107 | 98,943 | -95,836 | 4,909 | 85,757 | -80,848 | 10,689 | 43,434 | -32,746 | 11,771 | 38,520 | -26,749 |

Net trade: Exports less Imports

Blanks represent no data

Source: FAO (2005a)

6. LIVESTOCK HEALTH

Total number of cases/outbreaks of selected diseases reported in all susceptible species

| Disease | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|------------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| African swine fever | (1996) | (12/1996) | (12/1996) | (12/1996) | (12/1996) | (12/1996) | (12/1996) |
| Avian Influenza ¹ | - | - | - | - | - | - | - |
| Bluetongue | | - | - | - | - | - | - |
| BSE ² | 000 | 000 | 000 | 000 | 000 | 000 | 000 |
| CBPP ³ | .../10 | 184/8 | 160/11 | 152/7 | 203/8 | 398/5 | .../... |
| Classical swine fever | - | - | - | - | - | - | - |
| Foot and mouth disease | .../7 | .../... | 121/1 | 1,224/3 | .../... | (12/2001) | (12/2001) |
| Lumpy skin disease | 85/1 | (10/1997) | - | 78/3 | .../... | (12/2001) | (12/2001) |
| Newcastle disease | .../... | .../... | .../... | .../... | .../... | | ... |
| Peste des petits ruminants | .../7 | 204/7 | 31/1 | 79/2 | 135/2 | (10/2001) | (10/2001) |
| Rift Valley fever | | - | - | - | - | - | - |
| Rinderpest | (1986) | (1986) | (1986) | (1986) | (1986) | (1986) | (1986) |
| Sheep and goat pox | 418/1 | 89/4 | 24/1 | ... | - | - | - |
| Swine vesicular disease | - | - | - | - | - | - | - |
| Vesicular stomatitis | - | - | - | - | - | - | - |

¹ Highly pathogenic avian influenza

² Bovine spongiform encephalopathy

³ Contagious bovine pleuropneumonia

no./no. number of cases/outbreaks, ... no information, - disease not reported, 000 disease never reported; (month/year) date of the last reported occurrence of the disease in previous years

Source: OIE (2004)

7. REFERENCES AND FURTHER READING

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