

LIVESTOCK SECTOR BRIEF

LIBERIA

Food and Agriculture Organization
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Livestock Information, Sector Analysis
and Policy Branch • **AGAL**



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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	3.2 million
Population density on total land	33.6 persons/sqkm
Annual growth rate (1990-2000)	4.6 %
Population in agriculture	2.2 million
As proportion of total population	66.6 %
Total land area	96,320 sqkm
Agricultural land	26,000 sqkm
As proportion of total land	27.0 %
Land under pasture	20,000 sqkm
As proportion of total land	76.9 %
Irrigated area	30 ha
Agricultural land per 100 people	80 ha
Agricultural land per 100 people in agriculture	120 ha
Agricultural population density on agricultural land	83.0 persons/sqkm
GDP ¹	648 million US\$
GDP annual growth rate (1990-2000)	9.2 %
GDP per capita/year ¹	197 US\$
GDP per capita annual growth rate (1990-2000)	6.4 %
Agriculture, GDP	na million US\$
As proportion of total GDP	na %
Livestock, GDP ¹	na million US\$
As proportion of agricultural GDP	14.4 %
Human development Rank	na Ranking ²
Human development index	na
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	1,869	2,135	2,943	3,239	1.3	3.3
Rural	1,215	1,239	1,622	1,729	0.2	2.7
Urban	654	897	1,321	1,511	3.2	3.9

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	25,760	26,080	25,950	26,000	0.1	0.0
Cropped ²	5,760	6,150	5,950	6,000	0.7	-0.3
Pastures	20,000	19,930	20,000	20,000	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

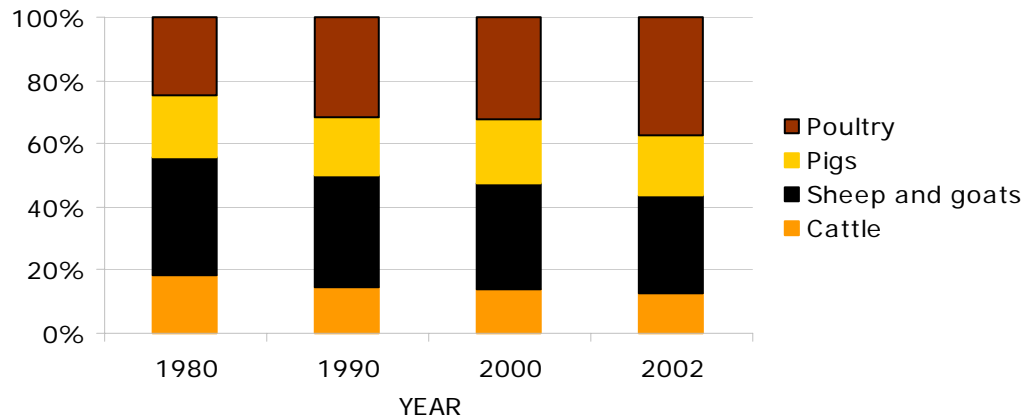
Values expressed in 1,000

Species	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Cattle	39	38	36	36	-0.3	-0.5
Sheep and goats	400	450	430	430	1.2	-0.5
Pigs	103	120	130	130	1.5	0.8
Poultry	2,620	4,030	4,200	5,200	4.4	0.4
Total LUs	106	128	129	139	1.9	0.1

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

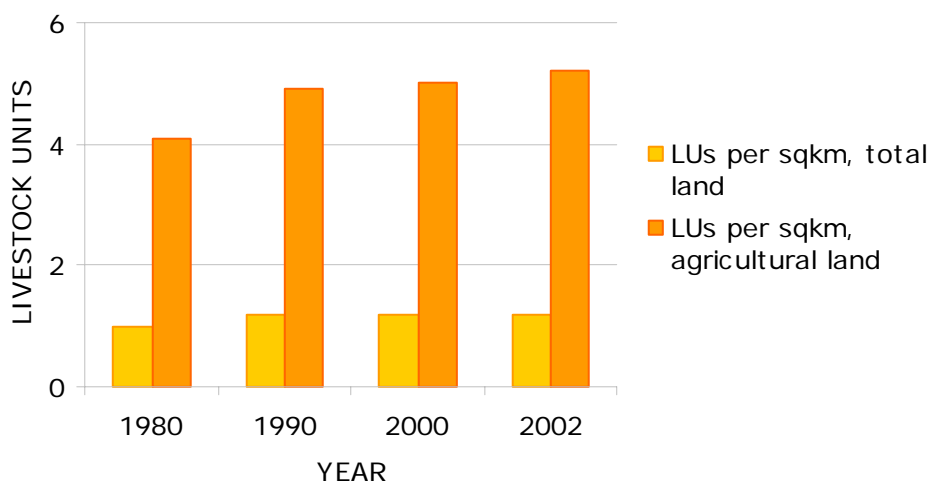
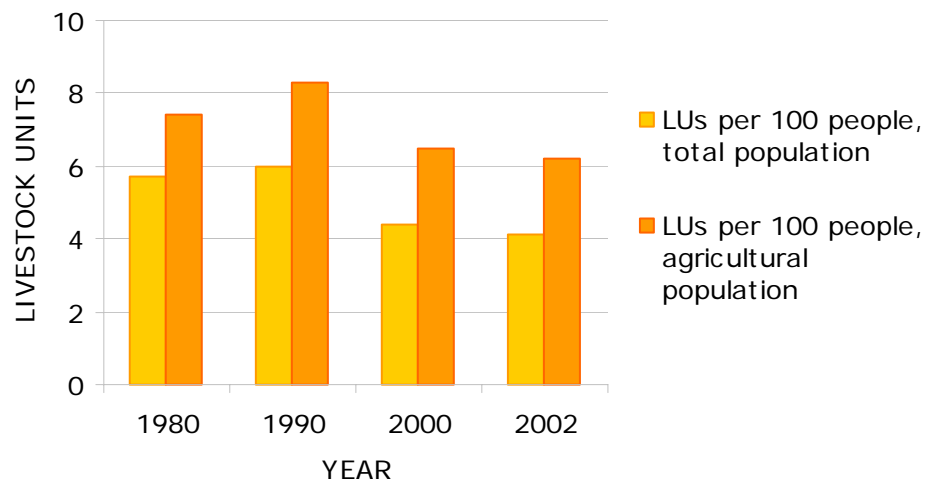
Source: FAO (2005a)

Contribution of different species to total livestock units



Source: FAO (2005a)

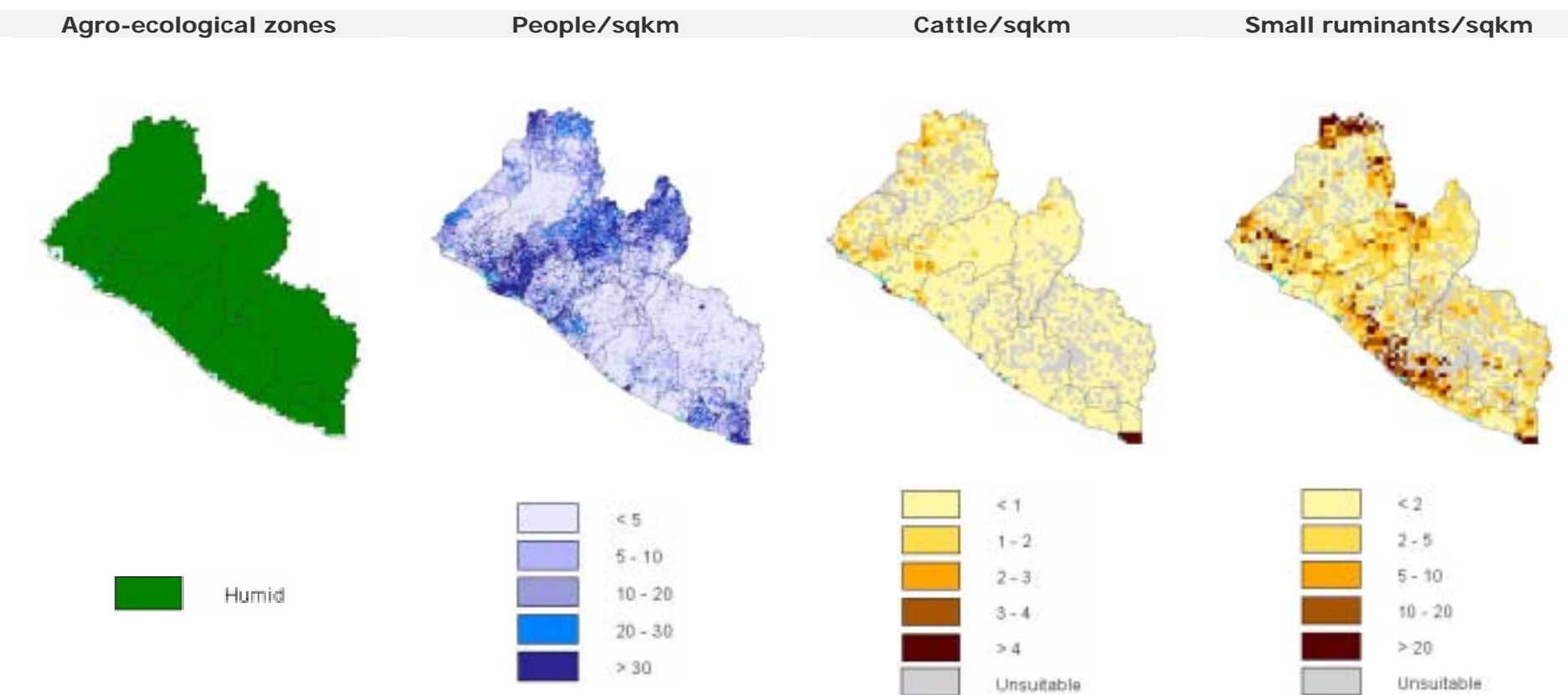
Selected indicators of livestock resources



Source: FAO (2005a)

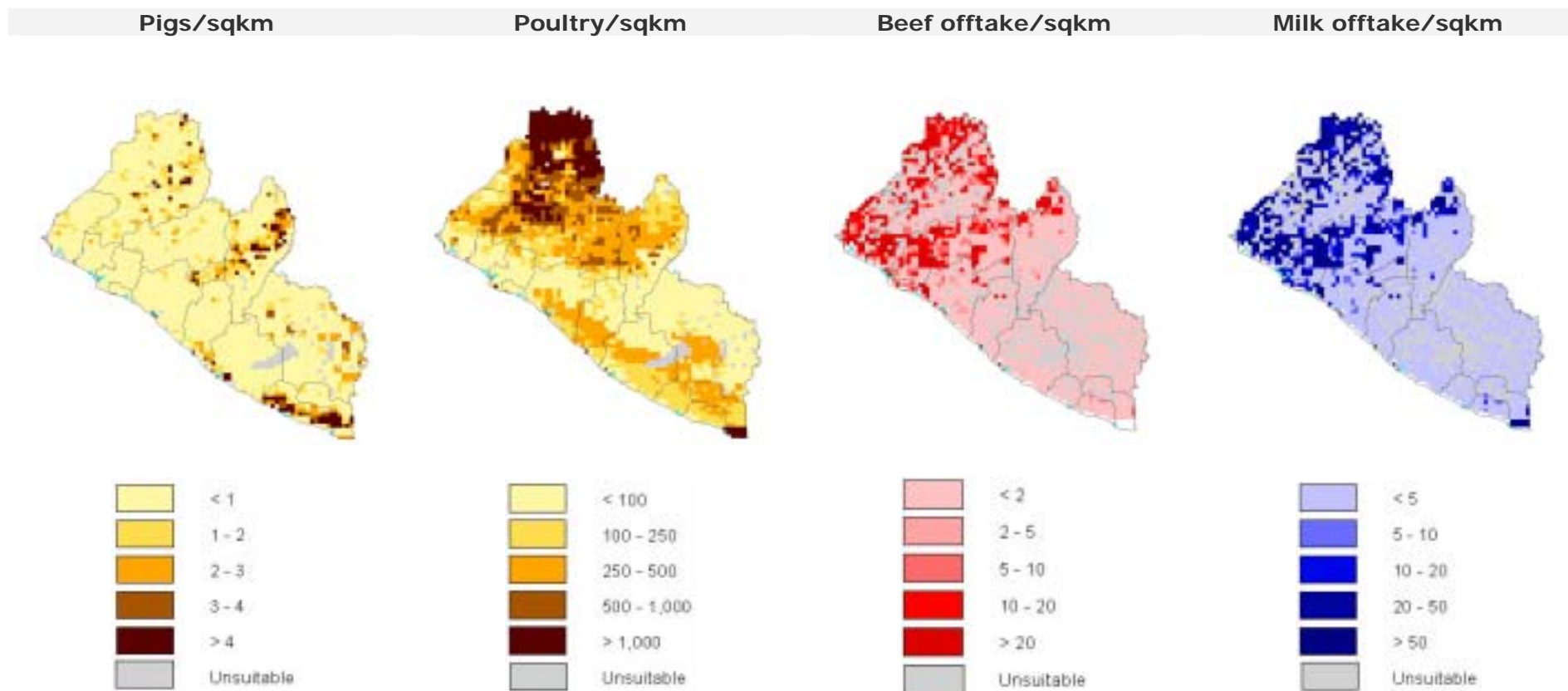
Agro-ecological zones and densities of livestock species (2000)

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

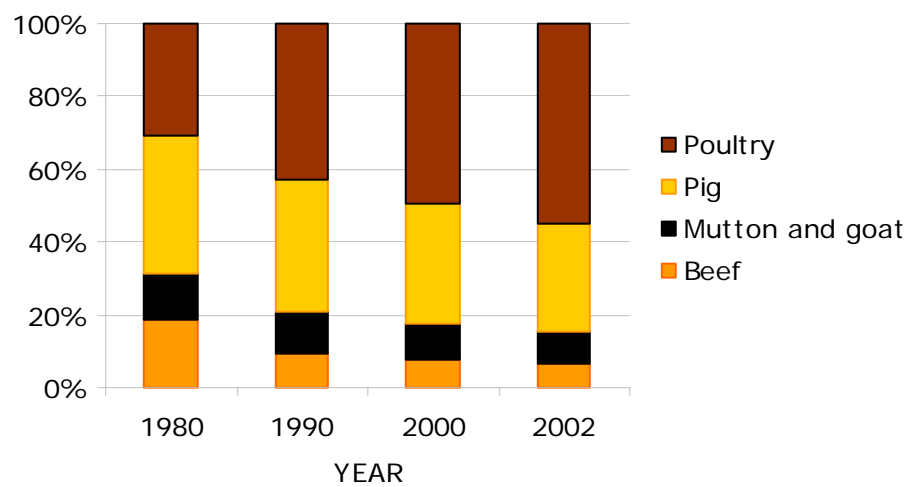
Trends in annual production of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Meat, total	14.6	17.1	19.3	21.4	1.6	1.2
Beef	1.7	1.0	1.0	1.0	-5.0	0.0
Mutton and goat	1.1	1.3	1.3	1.3	1.7	0.0
Pig	3.3	4.0	4.4	4.4	1.9	1.0
Poultry	2.7	4.8	6.6	8.2	5.8	3.3
Milk, total	0.8	0.7	0.7	0.7	-0.3	-0.4
Eggs, total	2.5	4.2	4.5	4.5	5.5	0.7

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	125.0	125.0	125.0	125.0	34.1	21.1	22.2	22.2
Sheep	10.0	10.0	10.0	10.0	27.5	29.5	31.0	31.0
Goat	9.0	9.0	9.0	9.0	31.5	32.2	33.6	33.6
Pigs	40.0	40.0	40.0	40.0	80.6	83.3	84.6	84.6
Poultry	0.8	0.8	0.8	0.8	127.3	146.4	195.2	196.2

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	130	130	130	130	15.0	15.0	15.3	15.3

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	2.4	2.4	2.4	2.4	40.0	44.2	45.0	36.0

Source: FAO (2005a)

Estimated feed used for livestock production

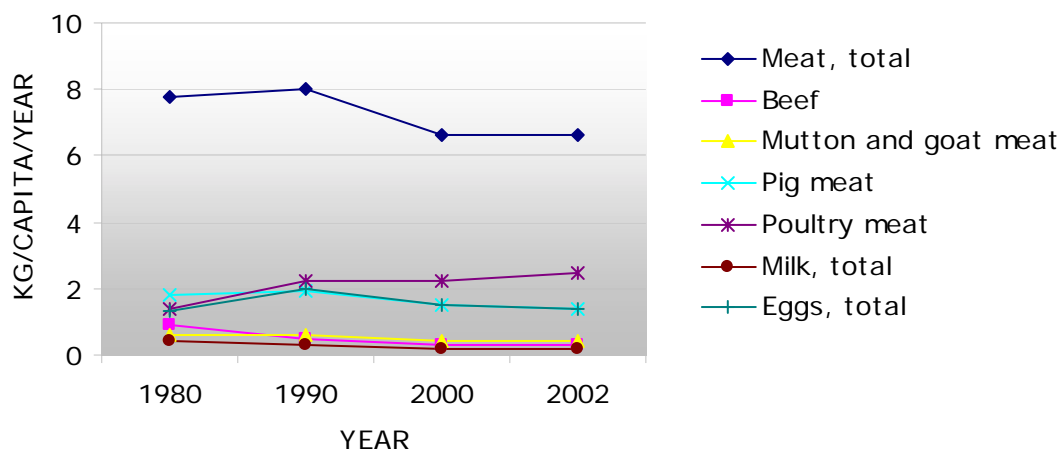
1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Maize	1.4	0.6	50.0	50.0	-9.1	57.0
Barley						
Sorghum						
Millet						
Wheat						
Brans	0.4	0.3	11.4	3.8	-2.2	42.1
Rice Paddy, equivalent						
Roots and Tuber, dry equivalent						
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

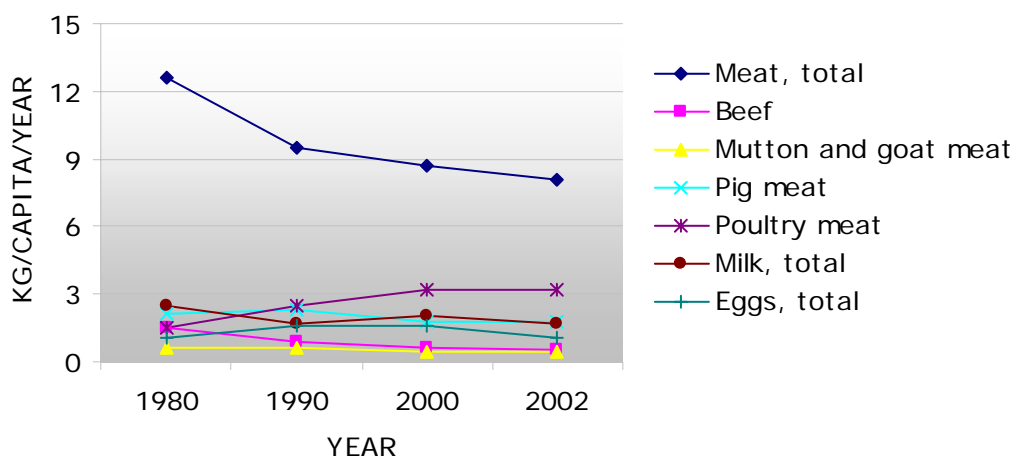
Trends in annual consumption of meat, milk and eggs

1,000 metric tonnes

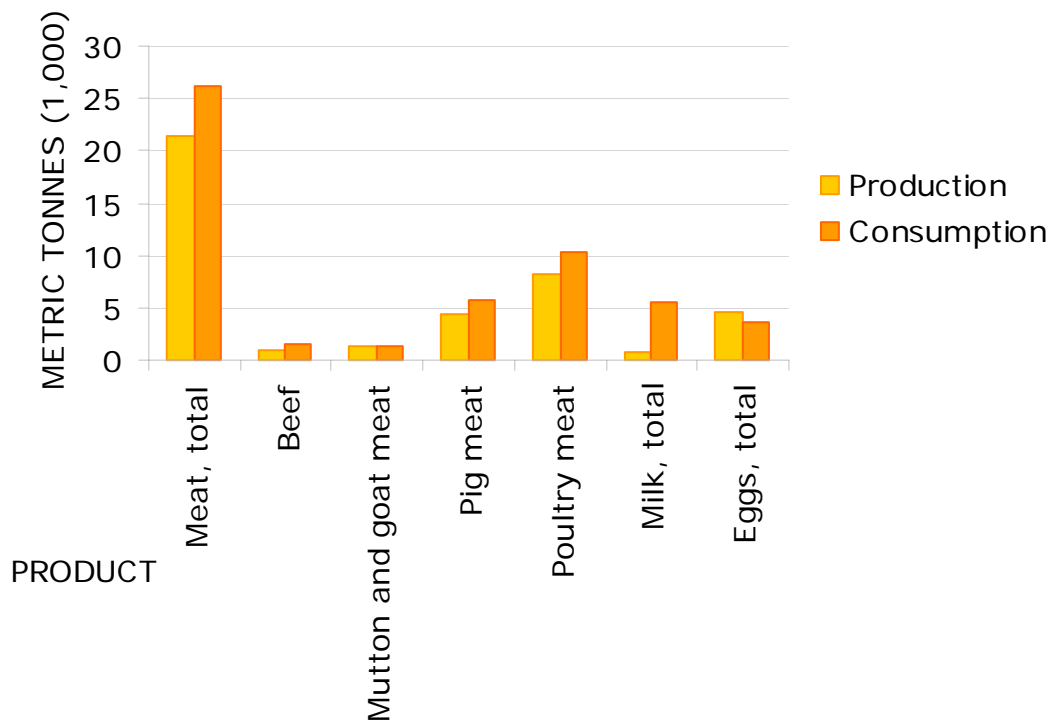
Product	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Meat, total	23.6	20.3	25.5	26.2	-1.5	2.3
Beef	2.8	1.9	1.8	1.6	-4.1	-0.4
Sheep and goat	1.1	1.3	1.3	1.3	1.7	-0.1
Pig	4.0	4.9	5.4	5.7	2.2	0.9
Poultry	2.8	5.3	9.3	10.4	6.4	5.9
Milk, total	4.7	3.7	6.0	5.5	-2.4	5.1
Eggs, total	2.0	3.4	4.8	3.7	5.5	3.6

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								
Agricultural	151.3	22.4	65.5	77.5	98.5	55.2	87.6	71.8
% agricultural								
Livestock	0.1	0.0	0.0	0.0	15.9	6.4	11.0	8.6
% livestock								

Blanks represent no data

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	0.03	0.00	0.00	0.00	19.67	12.31	21.25	16.21
Beef	0.24	0.00	0.00	0.00	29.08	46.12	43.8	36.23
Sheep and goat	0.00	0.00	0.00	0.00	1.15	1.50	0.23	0.6
Pig	0.00	0.00	0.00	0.00	12.47	14.36	12.83	13.6
Poultry	0.00	0.00	0.00	0.00	4.42	9.51	29.03	20.98
Milk, equivalent	6.07	0.00	0.00	0.00	395.87	89.48	116.03	91.44
Eggs, total	0.00	0.00	0.00	0.00	0.65	0.32	31.15	13.75

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	19.66	12.31	21.25	16.21
Beef	0.00	0.00	0.00	0.00	28.94	46.12	43.80	36.23
Sheep and goat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Poultry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milk, equivalent	0.00	0.00	0.00	0.00	394.88	89.48	116.03	91.44
Eggs, total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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		8,226	-8,226		2,400	-2,400		1,720	-1,720		1,700	-1,700
Sheep and goats		8,000	-8,000		4,000	-4,000		1,745	-1,745		1,800	-1,800
Pigs		0	0		0	0		0	0		0	0
Poultry (1,000)		318	-318		0	0		0	0		10	-10
Value (1,000 US\$)												
Cattle		2,763	-2,763		1,000	-1,000		1,600	-1,600		1,600	-1,600
Sheep and goats		820	-820		200	-200		145	-145		150	-150
Pigs		0	0		0	0		0	0		0	0
Poultry (1,000)		246	-246		0	0		0	0		30	-30
Total		3,829			1,200			1,745			1,780	

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	4	4,639	-4,635	0	2,495	-2,495	0	5,427	-5,427	0	4,246	-4,246
Beef	4	826	-822	0	860	-860	0	782	-782	0	569	-569
Mutton and goat		13	-13		20	-20		3	-3		8	-8
Pig		495	-495		705	-705		690	-690		775	-775
Poultry		125	-125		500	-500		2,700	-2,700		2,177	-2,177
Other	0	3,180	-3,180	0	410	-410	0	1,252	-1,252	0	717	-717
Milk, equivalent	46	18,547	-18,501	0	3,274	-3,274	0	6,978	-6,978	0	4,985	-4,985
Eggs, total		13	-13		11	-11		1,500	-1,500		505	-505
Hides and skins												
Value (1,000 US\$)												
Meat, total	10	6,232	-6,222	0	3,130	-3,130	0	5,259	-5,259	0	4,113	-4,113
Beef	10	1,479	-1,469	0	1,300	-1,300	0	2,120	-2,120	0	1,563	-1,563
Mutton and goat		36	-36		60	-60		19	-19		13	-13
Pig		1,028	-1,028		970	-970		1,130	-1,130		1,047	-1,047
Poultry		235	-235		400	-400		1,100	-1,100		1,128	-1,128
Other	0	3,454	-3,454	0	400	-400	0	890	-890	0	362	-362
Milk, equivalent	43	5,718	-5,675	0	2,030	-2,030	0	2,835	-2,835	0	2,223	-2,223
Eggs, total		102	-102		40	-40		1,200	-1,200		468	-468
Hides and skins												
Total	53	12,052	-11,999	0	5,200	-5,200	0	9,294	-9,294	0	6,804	-6,804

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							
Avian Influenza ¹							
Bluetongue							
BSE ²							
CBPP ³							
Classical swine fever							
Foot and mouth disease							
Lumpy skin disease							
Newcastle disease							
Peste des petits ruminants							
Rift Valley fever							
Rinderpest							
Sheep and goat pox							
Swine vesicular disease							
Vesicular stomatitis							

¹ Highly pathogenic avian influenza

² Bovine spongiform encephalopathy

³ Contagious bovine pleuropneumonia

.../....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

FAO (2001) Agro-ecological Distributions for Africa, Asia and North and Central America, Consultants' Report. Food and Agriculture Organisation, Rome.

FAO (2003) Cattle and small ruminant production systems in sub-Saharan Africa: a systematic review. Food and Agriculture Organisation, Rome.

FAO (2005a) FAOSTAT data. Food and Agriculture Organisation, Rome.
<http://faostat.external.fao.org/default.jsp> (accessed March, 2005).

FAO (2005b) Global Livestock Production and Health Atlas. Food and Agriculture Organisation, Rome. <http://www.fao.org/ag/aga/glipha/index.jsp> (accessed March, 2005).

LandScan (2002) Global Population Database. Oak Ridge National Laboratory, Oakridge. <http://www.ornl.gov/gist/>

OIE (2004) HANDISTATUS II. Office International des Epizooties, Paris.
<http://www.oie.int/hs2/> (accessed March, 2005).

UNDP (2004). The Human development Reports, United Nations Development Programme, New York. <http://hdr.undp.org/statistics/>

World Bank (2002) The 2002 World Bank development indicators CD-Rom. The World Bank, Washington DC.