

# LIVESTOCK SECTOR BRIEF

## BENIN

Food and Agriculture Organization  
of the United Nations • **FAO**

Livestock Information, Sector Analysis  
and Policy Branch • **AGAL**



February 2005

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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	6.6 million
Population density on total land	59.3 persons/sqkm
Annual growth rate (1990-2000)	2.8 %
Population in agriculture	3.4 million
As proportion of total population	52.0 %
Total land area	110,620 sqkm
Agricultural land	33,650 sqkm
As proportion of total land	30.4 %
Land under pasture	5,500 sqkm
As proportion of total land	16.3 %
Irrigated area	120 ha
Agricultural land per 100 people	51 ha
Agricultural land per 100 people in agriculture	99 ha
Agricultural population density on agricultural land	101.4 persons/sqkm
GDP <sup>1</sup>	2,901 million US\$
GDP annual growth rate (1990-2000)	5.0 %
GDP per capita/year <sup>1</sup>	443 US\$
GDP per capita annual growth rate (1990-2000)	2.3 %
Agriculture, GDP	1,041 million US\$
As proportion of total GDP	35.9 %
Livestock, GDP <sup>1</sup>	76 million US\$
As proportion of agricultural GDP	7.3 %
Human development Rank	161 Ranking <sup>2</sup>
Human development index	na
Poverty incidence <sup>3</sup>	
Total	33.0 %
Urban	na %
Rural	na %

<sup>1</sup>Constant 1995 US\$ <sup>2</sup> The HDI rank is determined using HDI values to the fifth decimal point – from 177 countries, as compiled by the UNDP; <sup>3</sup> 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	3,459	4,650	6,222	6,558	3.0	3.0
Rural	2,513	3,047	3,592	3,687	1.9	1.7
Urban	946	1,604	2,630	2,872	5.4	5.1

Source: FAO (2005a)

## Trends in agricultural<sup>1</sup> land

Values expressed in sqkm

Land type	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Total	20,270	22,700	31,950	33,650	1.1	3.5
Cropped <sup>2</sup>	15,850	17,200	26,450	28,150	0.8	4.4
Pastures	4,420	5,500	5,500	5,500	2.2	0.0

<sup>1</sup>The sum of area under arable land, permanent crops and permanent pastures

<sup>2</sup>Arable and permanent crops

Source: FAO (2005a)

## 2. LIVESTOCK RESOURCES

### Livestock populations

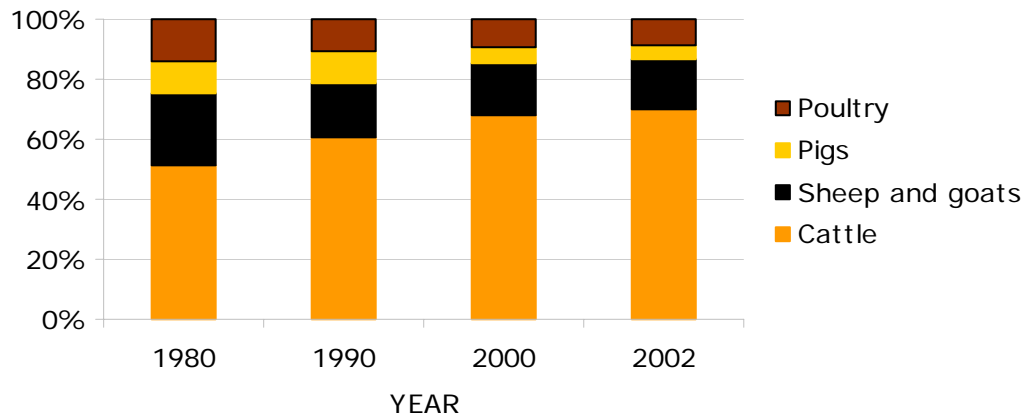
Values expressed in 1,000

Species	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Cattle	829	1,080	1,487	1,635	2.7	3.3
Sheep and goats	1,906	1,580	1,907	1,940	-1.9	1.9
Pigs	454	462	297	286	0.2	-4.3
Poultry	11,056	9,579	10,000	10,000	-1.4	0.4
Total LUs	806	886	1,094	1,169	0.9	2.1

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

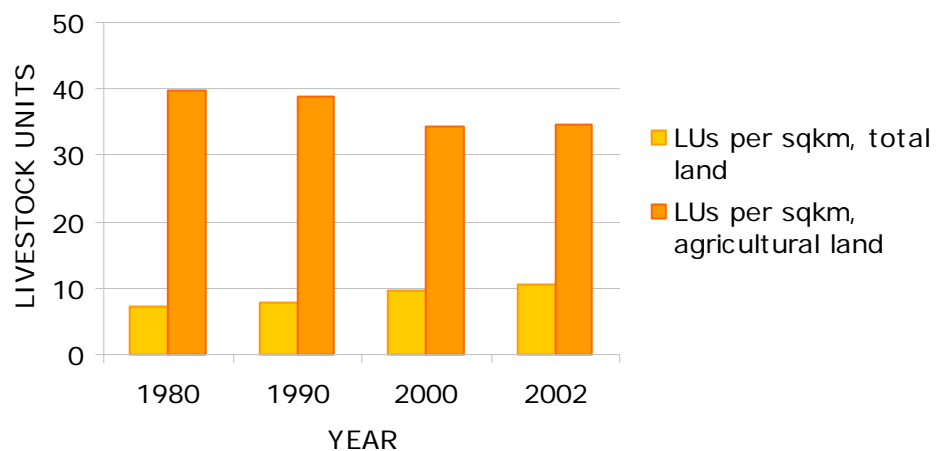
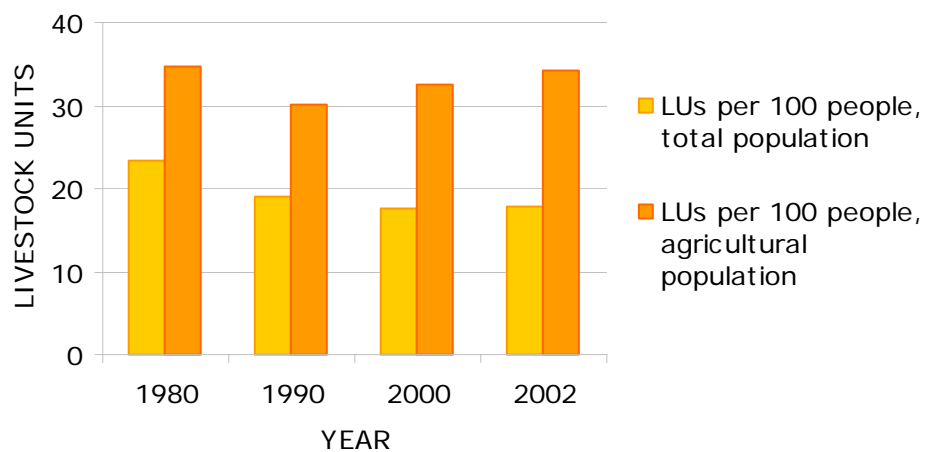
Source: FAO (2005a)

## Contribution of different species to total livestock units



Source: FAO (2005a)

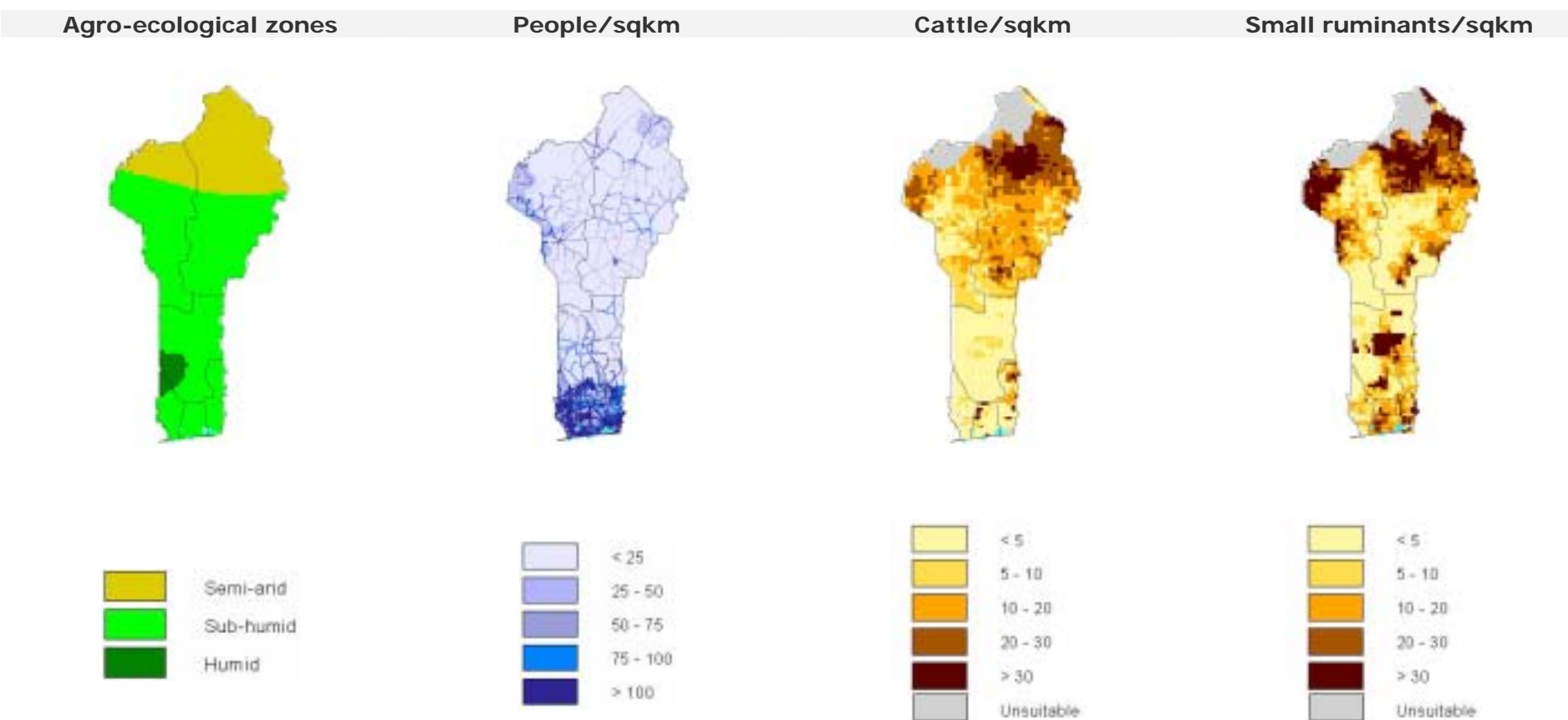
## Selected indicators of livestock resources



Source: FAO (2005a)

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

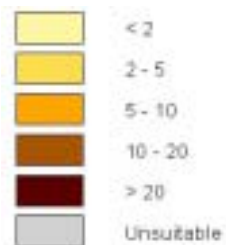
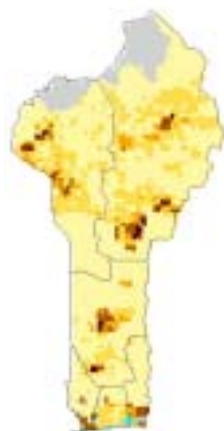
Density calculated on total land area<sup>1</sup>



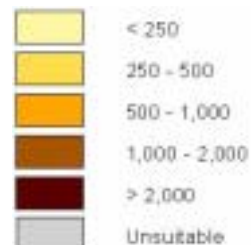
<sup>1</sup>Densities for livestock populations and production are based on total land suitable for livestock production

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

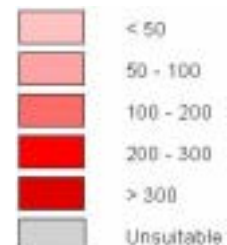
## Pigs/sqkm



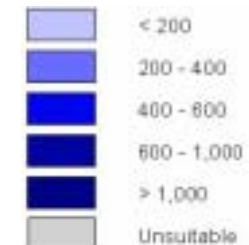
## Poultry/sqkm



## Beef offtake/sqkm



## Milk offtake/sqkm



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



### 3. LIVESTOCK PRODUCTION

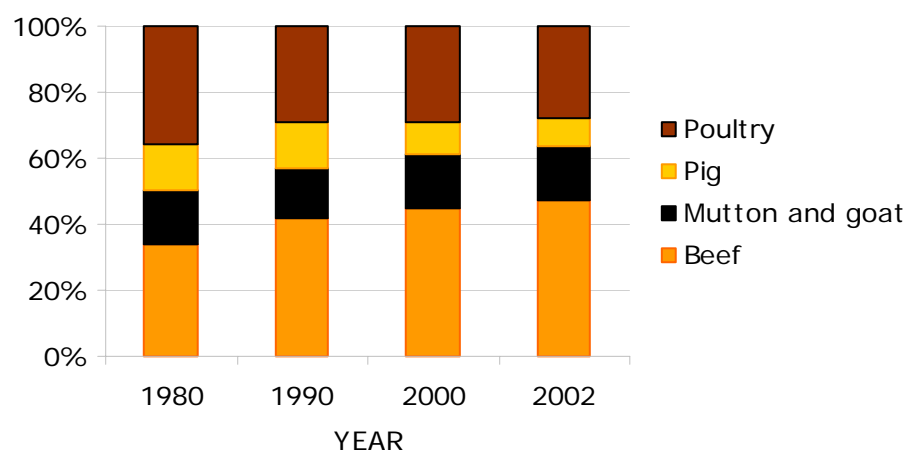
#### Trends in annual production of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Meat, total	41.1	43.0	45.9	47.8	0.5	0.6
Beef	11.9	15.4	18.0	19.8	2.7	1.6
Mutton and goat	5.7	5.7	6.5	6.8	-0.1	1.4
Pig	5.1	5.2	3.8	3.6	0.2	-3.2
Poultry	12.5	10.8	11.6	11.6	-1.4	0.7
Milk, total	17.3	21.0	29.9	32.1	2.0	3.6
Eggs, total	7.9	6.9	7.2	7.2	-1.3	0.4

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	110.0	110.0	110.0	110.0	13.0	13.0	11.0	11.0
Sheep	10.0	10.0	10.0	10.0	30.0	36.8	36.0	37.0
Goat	10.0	10.0	10.0	10.0	30.0	35.0	33.2	33.9
Pigs	28.0	28.0	28.0	28.0	39.9	40.0	45.1	45.0
Poultry	0.8	0.8	0.8	0.8	141.1	140.9	145.0	145.0

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	120.0	130.0	130.0	130.0	12.5	11.1	12.1	12.0

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	1.8	1.8	1.8	1.8	39.8	40.2	40.0	40.0

Source: FAO (2005a)

## Estimated feed used for livestock production

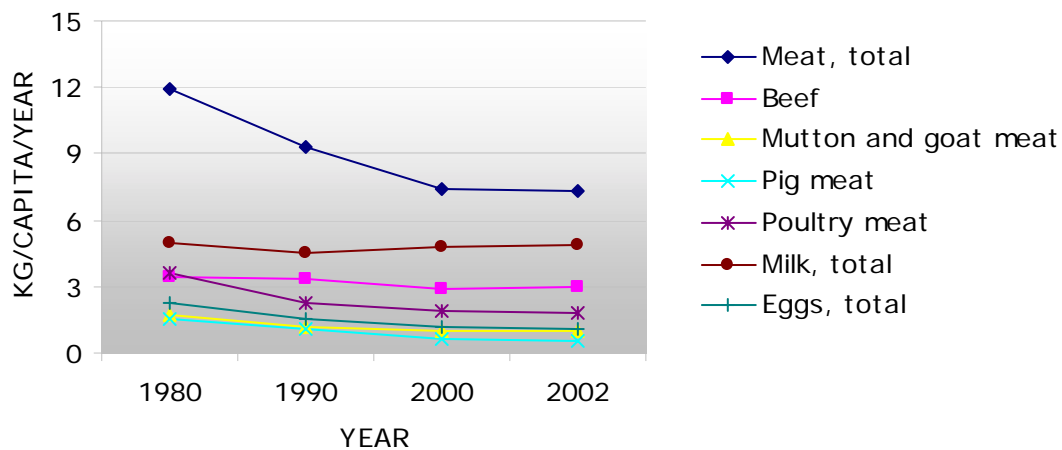
1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Maize	11.0	13.5	117.0	87.0	2.1	24.1
Barley						
Sorghum	0.0	4.2	6.0	6.0		3.6
Millet	0.0	2.2	3.0	3.0		3.2
Wheat						
Brans	40.6	52.7	75.7	76.1	2.6	3.7
Rice Paddy, equivalent						
Roots and Tuber, dry equivalent	42.2	66.2	145.8	153.5	4.6	8.2
Pulses						
Oil crops	0.0	0.0	0.0	0.0		

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

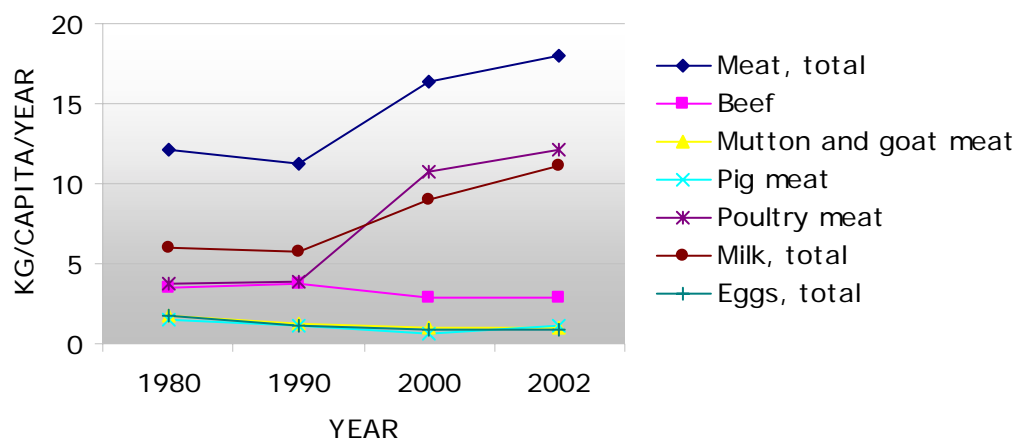
### Trends in annual consumption of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2002	1980-1990	1990-2000
Meat, total	41.8	52.0	101.9	118.2	2.2	7.0
Beef	12.0	17.1	18.1	19.0	3.6	0.5
Sheep and goat	5.7	5.7	6.5	6.8	-0.1	1.4
Pig	5.1	5.2	3.8	7.3	0.2	-2.9
Poultry	13.0	18.0	67.4	79.2	3.3	14.1
Milk, total	20.7	27.0	55.9	73.1	2.6	7.6
Eggs, total	5.9	5.2	5.4	5.6	-1.3	0.4

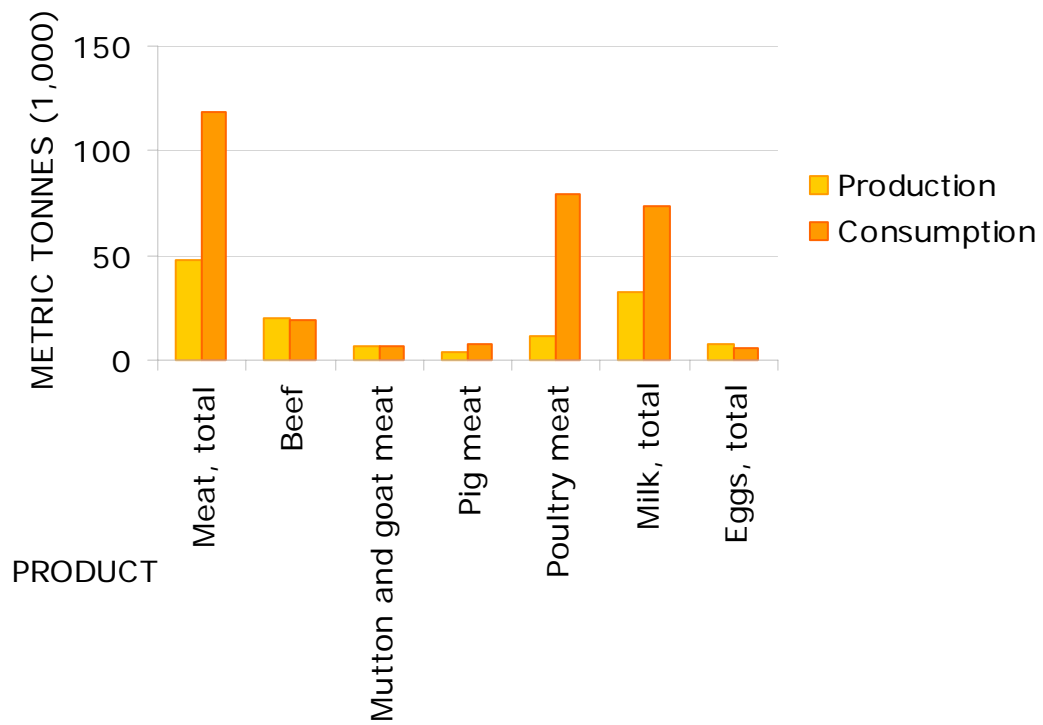
Source: FAO (2005a)

### 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 livestock<sup>1</sup> products

Values in million US\$

Product	Exports				Imports			
	1980	1990	2000	2002	1980	1990	2000	2002
Total	222.2	263.7	342.3	385.1	524.4	485.8	634.0	703.5
Agricultural	54.5	84.4	177.0	211.5	95.6	114.2	180.9	196.5
% agricultural	24.5	32.0	51.7	54.9	18.2	23.5	28.5	27.9
Livestock	0.0	0.0	0.6	33.5	8.3	20.7	55.8	72.9
% livestock	0.0	0.0	0.2	8.7	1.6	4.3	8.8	10.4

<sup>1</sup>Total 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	0.00	0.00	1.86	63.06	1.54	17.20	55.78	73.19
Beef	0.00	0.00	0.00	0.00	0.93	9.99	0.36	0.80
Sheep and goat	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Pig	0.00	0.00	0.00	0.00	0.07	0.08	1.74	2.63
Poultry	0.00	0.00	7.37	40.47	4.04	40.00	84.06	91.29
Milk, equivalent	0.02	0.00	0.04	0.71	35.11	39.93	52.28	62.40
Eggs, total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.24

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	1.54	17.20	54.94	47.71
Beef	0.00	0.00	0.00	0.00	0.93	9.99	0.36	0.80
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	0.07	0.08	1.74	2.63
Poultry	0.00	0.00	0.00	0.00	4.04	40.00	82.79	85.36
Milk, equivalent	0.00	0.00	0.00	0.00	35.10	39.93	52.25	62.09
Eggs, total	0.00	0.00	0.00	0.00	1.54	17.20	54.94	47.71

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
<b>Quantities (count)</b>												
Cattle		9,486	-9,486		10,000	-10,000		15,000	-15,000		15,000	-15,000
Sheep and goats	0	12,000	-12,000	0	12,000	-12,000	0	0	0	2	0	2
Pigs												
Poultry (1,000)		358	-358		400	-400		1	-1		13	-13
<b>Value (1,000 US\$)</b>												
Cattle		4,000	-4,000		5,500	-5,500		7,500	-7,500		7,500	-7,500
Sheep and goats	0	430	-430	0	760	-760	0	0	0	4	0	4
Pigs												
Poultry (1,000)		200	-200		300	-300		21	-21		104	-104
<b>Total</b>	<b>0</b>	<b>4,630</b>	<b>-4,630</b>	<b>0</b>	<b>6,560</b>	<b>-6,560</b>	<b>0</b>	<b>7,521</b>	<b>-7,521</b>	<b>4</b>	<b>7,604</b>	<b>-7,600</b>

**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
<b>Quantities (metric tonnes)</b>												
Meat, total	0	641	-641	0	8,939	-8,939	855	56,814	-55,958	30,124	86,535	-56,411
Beef	0	111	-111	0	1,711	-1,711	0	65	-65	0	151	-151
Mutton and goat		0	0		0	0		1	-1		0	0
Pig	0	3	-3	0	4	-4	0	67	-67	0	191	-191
Poultry	0	525	-525	0	7,200	-7,200	855	56,645	-55,790	4,695	72,328	-67,632
Other	0	2	-2	0	24	-24	0	36	-36	25,429	13,866	-39,295
Milk, equivalent	4	7,286	-7,282	0	10,762	-10,762	12	29,220	-29,208	228	45,624	-45,396
Eggs, total		0	0		0	0		0	0		295	-295
Hides and skins	0	0	0	0	0	0	17	0	17	0	0	0
<b>Value (1,000 US\$)</b>												
Meat, total	0	943	-943	0	8,370	-8,370	544	35,548	-35,004	33,463	46,459	-12,996
Beef	0	256	-256	0	2,200	-2,200	0	34	-34	0	242	-242
Mutton and goat		0	0		0	0		0	0		0	0
Pig	0	25	-25	0	20	-20	0	94	-94	0	239	-239
Poultry	0	662	-662	0	6,150	-6,150	544	35,390	-34,846	3,215	38,928	-35,713
Other	0	0	0	0	0	0	0	30	-30	30,248	7,050	-37,298
Milk, equivalent	3	2,706	-2,703	0	5,790	-5,790	9	12,716	-12,707	30	18,767	-18,737
Eggs, total		0	0		0	0		0	0		75	-75
Hides and skins	0	0	0	0	0	0	25	0	25	0	0	0
<b>Total</b>	<b>3</b>	<b>3,649</b>	<b>-3,646</b>	<b>0</b>	<b>14,160</b>	<b>-14,160</b>	<b>578</b>	<b>48,264</b>	<b>-47,686</b>	<b>33,493</b>	<b>65,301</b>	<b>-31,808</b>

**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	387,808/104	.../...	.../...		.../...	13,485/21	9,725/20
Avian Influenza <sup>1</sup>					.../...	.../...	-
Bluetongue	-	-				...	...
BSE <sup>2</sup>						...	...
CBPP <sup>3</sup>	15,573/7	.../...	6/1	.../...	.../...	3/1	176/3
Classical swine fever	-					.../...	.../...
Foot and mouth disease	3,198/23	.../...	5,710/59	.../...	.../...	1,640/22	11,401/91
Lumpy skin disease	755/31		34,907/7				2,328/16
Newcastle disease	3,158/...	.../...		2,053/17	4,536/...	10,533/38	5,582/66
Peste des petits ruminants	6,236/37		3,935/65	8,845/...	9,056/51		15,403/107
Rift Valley fever	-	-				.../...	.../...
Rinderpest		(1987)					
Sheep and goat pox							
Swine vesicular disease							
Vesicular stomatitis							

<sup>1</sup> Highly pathogenic avian influenza

<sup>2</sup> Bovine spongiform encephalopathy

<sup>3</sup> 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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