

LIVESTOCK SECTOR BRIEF

BANGLADESH

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

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



June 2003

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1. GENERAL INFORMATION

Human population, land and socio-economics

Human population	137.4	million
Population density	1055.8	persons/sqkm
Annual growth rate (1990-2000)	2.2	%
Population in agriculture	76.5	million
As proportion of total population	55.6	%
Economically active population in agriculture	38.7	million
As proportion of economically active population	55.6	%
Total land area	130,170	sqkm
Agricultural land	90,840	sqkm
As proportion of total land	69.8	%
Land under pasture	6,000	sqkm
As proportion of total land	4.6	%
Agricultural land per 100 people	6.6	ha
Agricultural land per 100 people in agriculture	11.9	ha
GDP ¹	48,906	million 1995 US\$
GDP annual growth rate (1990-2000)	4.6	%
GDP per capita/year ¹	373	1995 US\$
GDP per capita annual growth rate (1990-2000)	2.9	%
Agriculture, GDP	12,191	million 1995 US\$
As proportion of total GDP	24.6	%
Livestock, GDP ¹	1,719	million 1995 US\$
As proportion of total GDP	3.5	%
Poverty incidence (1995-96 figures) ²		
Total	35.6	%
Urban	14.3	%
Rural	39.8	%

¹ Constant 1995 US\$ ² National poverty line

Source: WordBank (2002); FAOSTAT (2003); data for 2000 unless stated

Human population trends

Values expressed in 1,000

Population segment	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Total	85,438	110,025	137,439	183,159	2.6	2.2
Rural	72,725	88,275	103,085	120,229	2.0	1.6
Urban	12,713	21,750	34,354	62,930	5.5	4.7

Source: FAOSTAT (2003)

Trends in agricultural land

Land type	Year			Annual growth rate (%)	
	1980	1990	2000	1980-1990	1990-2000
Agricultural, total	97,580	100,370	90,840	0.3	-1.0
Cropped ¹	91,580	94,370	84,840	0.3	-1.1
Pastures	6,000	6,000	6,000	0.0	0.0

¹Arable and permanent crops

Source: FAOSTAT (2003)

2. LIVESTOCK RESOURCES

Livestock populations

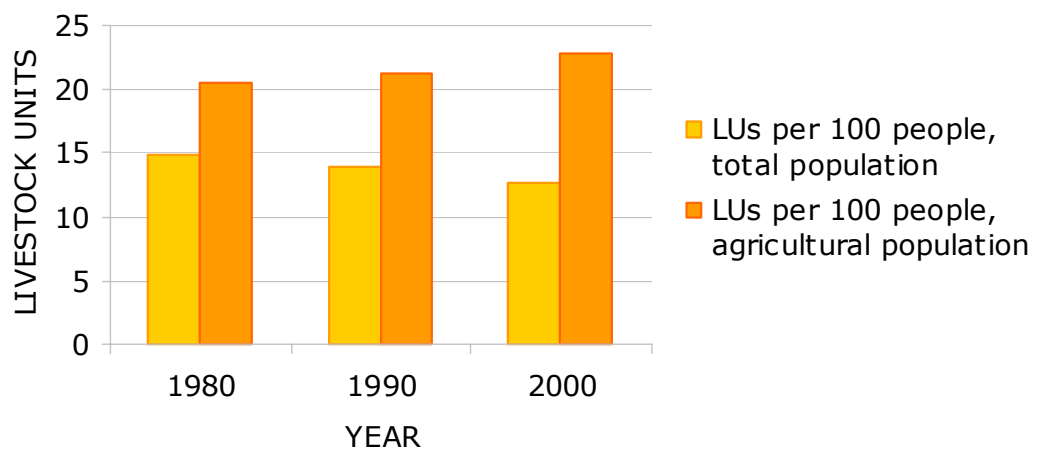
Values expressed in 1,000

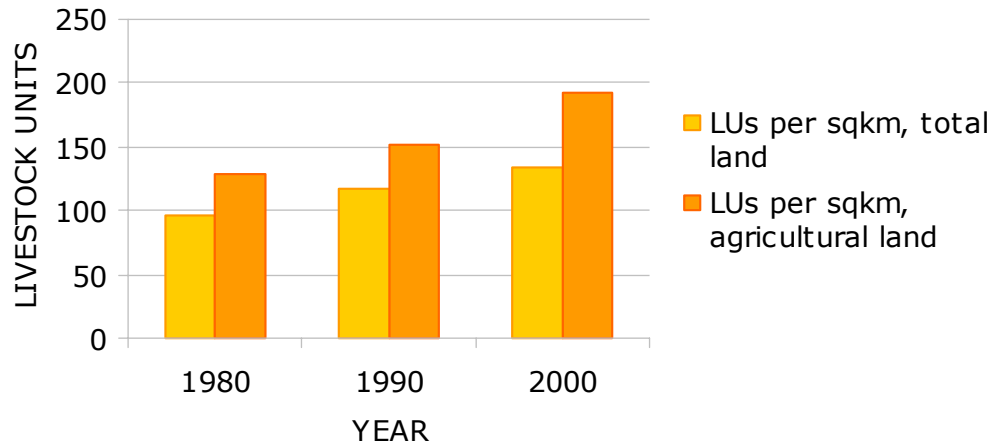
Species	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Cattle & Buffaloes	22,031	24,016	24,730	26,691	0.9	0.3
Sheep & Goats	9,796	21,904	35,232	42,004	8.4	4.9
Pigs	-	-	-	-	-	-
Poultry	67,656	105,078	153,000	200,735	4.5	3.8
Total LUs	12,672	15,249	17,418	19,553	1.9	1.3

LU: Livestock unit; **conversion factors:** cattle and buffalo (0.50), sheep and goats (0.10), pigs (0.25) and poultry (0.01)

Source: FAOSTAT (2003); FAO (2002)

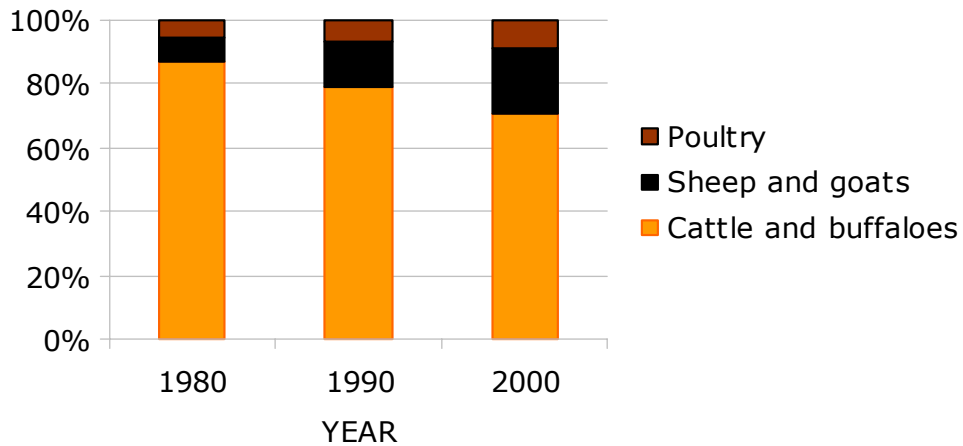
Selected indicators of livestock resources





Source: FAOSTAT (2003)

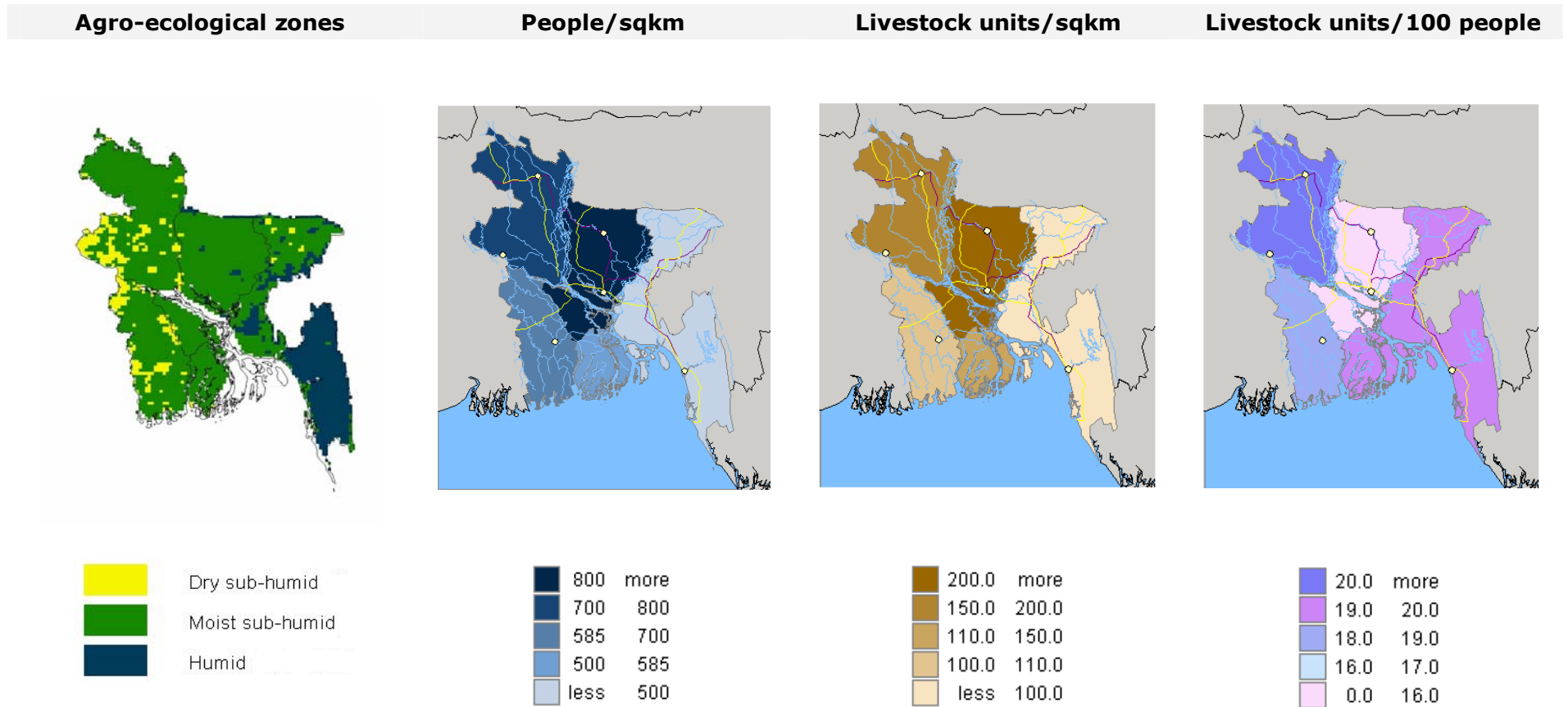
Contribution of different species to total livestock units



Source: FAOSTAT (2003)

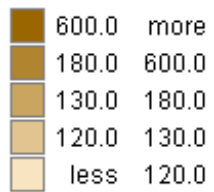
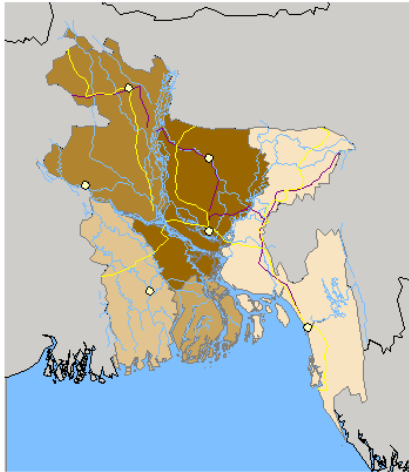
Agro-ecological zones and densities of livestock species (2000)

Density calculated on total land area

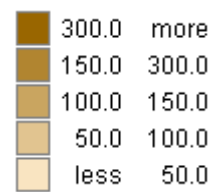
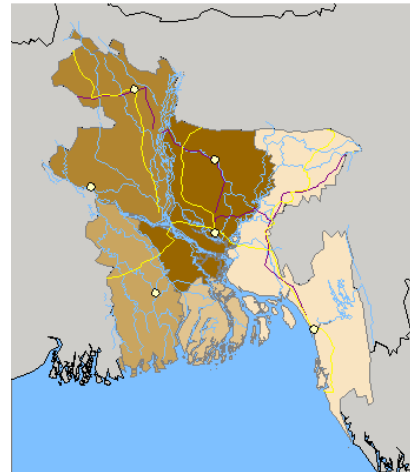


Source: FAO (2001); GLiPHA (2003)

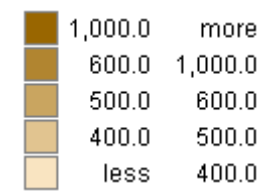
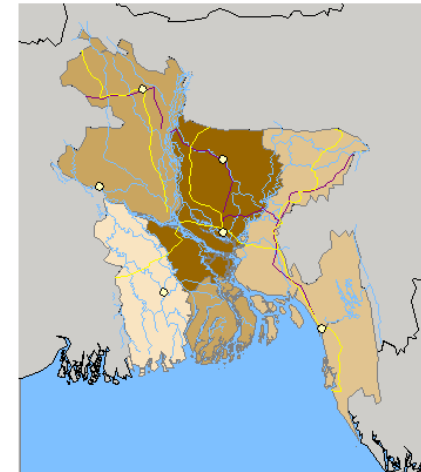
Cattle and buffaloes/sqkm



Small ruminants/sqkm



Poultry/sqkm



Source: GLiPHA (2002)

3. LIVESTOCK PRODUCTION

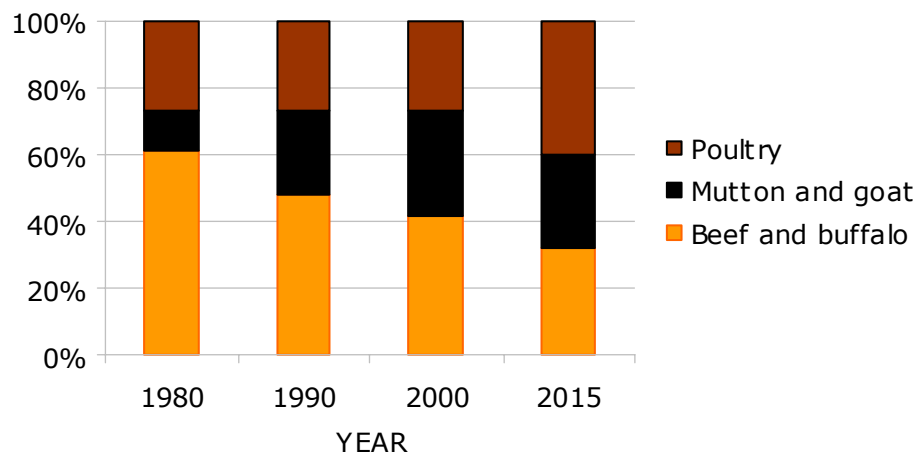
Trends in annual production of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Meat, total	209.1	307.6	427.9	856.2	3.9	3.4
Beef and buffalo	122.7	142.8	175.5	273.1	1.5	2.1
Mutton and goat	24.4	75.2	131.7	238.3	11.9	5.8
Pig	-	-	-	-	-	-
Poultry	52.9	80.3	111.7	344.8	4.3	3.4
Milk, total	1,162.3	1,593.5	2,112.0	3,597.5	3.2	2.9
Eggs, total	62.2	85.7	159.0	447.3	3.2	6.4

Source: FAOSTAT (2003); FAO (2002)

Composition of total meat production



Source: FAOSTAT (2003); FAO (2002)

Carcass weights and percentage slaughtered by species

Species/year	Carcass weight (kg/animal)			Percentage slaughtered/year		
	1980	1990	2000	1980	1990	2000
Cattle	56.0	60.2	70.1	10.0	10.0	10.3
Buffaloes	74.4	74.7	76.1	5.1	5.1	5.5
Sheep	5.1	7.0	7.0	25.0	25.0	33.5
Goat	5.1	7.0	7.0	50.0	50.0	54.0
Pigs	-	-	-	-	-	-
Poultry	0.8	0.8	0.7	99.2	100.0	100.7

Source: FAOSTAT (2003)

Milk yields and proportion of dairy animals

Species/year	Milk yield (kg/year)			Percentage dairy		
	1980	1990	2000	1980	1990	2000
Cattle	206	206	206	17.3	15.6	15.5
Buffaloes	400	406	407	13.3	7.0	6.6

Source: FAOSTAT (2003)

Egg yields and proportion of laying birds

Species/year	Eggs (kg/year)			Percentage layers		
	1980	1990	2000	1980	1990	2000
Chickens	1.7	1.7	1.8	40.0	40.0	54.3

Source: FAOSTAT (2003)

Estimated feed used for livestock production

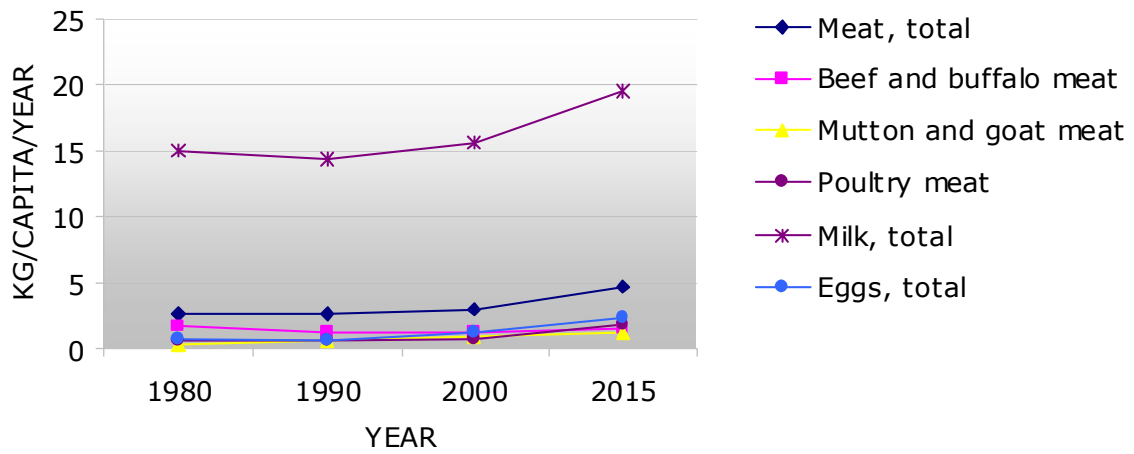
1,000 metric tonnes

Product	Year			Annual growth rate (%)	
	1980	1990	2000	1980 -1990	1990 - 2000
Cereals, total	1,723.9	2,179.6	3,040.0	2.4	3.4
Maize	0.1	0.2	5.7	10.1	41.2
Maize, bran	-	-	-	-	-
Millet and sorghum	0.3	0.0	0.1	-	-
Wheat	-	-	-	-	-
Wheat, bran	192.9	184.9	220.0	-0.4	1.8
Rice, broken	-	-	-	-	-
Rice, Paddy	-	-	-	-	-
Rice, bran	1,521.7	1,984.2	2,802.0	2.7	3.5
Rice bran, cake	6.2	8.0	11.3	2.6	3.5
Roots and tubers	-	-	-	-	-
Pulses, total	2.3	1.9	1.4	-1.5	-3.1
Animal products, total ¹	260.4	259.3	327.2	0.0	2.4
Cereals (kg)/livestock unit	136.0	142.9	174.5	0.5	2.0

¹ Comprises feedstuffs derived from animals such as offals, animal fats, bone meal, etc.

Source: FAOSTAT (2003)

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



Source: FAO (2002)

4. CONSUMPTION OF MEAT, MILK AND EGGS

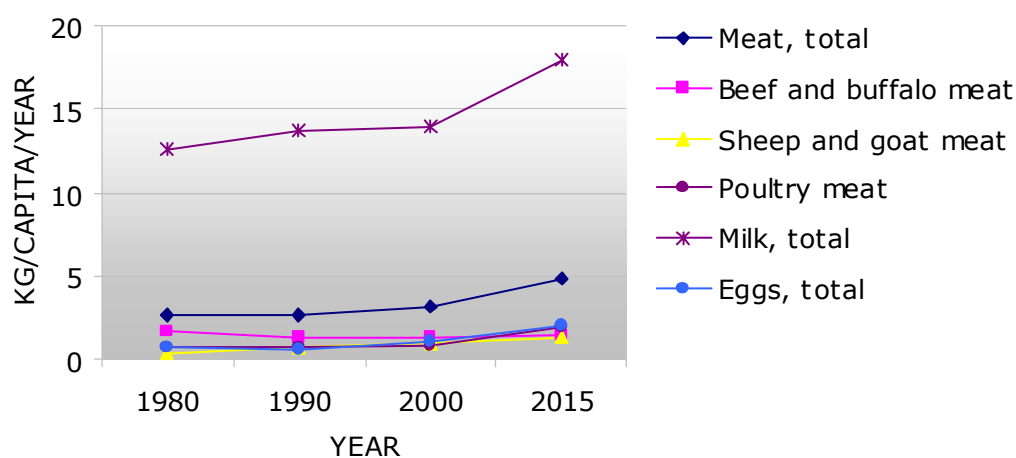
Trends in annual consumption of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Meat, total	232.1	297.3	413.8	877.7	2.5	3.4
Beef and buffalo	142.3	142.9	171.2	273.1	0.0	1.8
Sheep and goat	30.0	75.4	131.7	238.3	9.7	5.7
Pig	-	-	-	-	-	-
Poultry	59.7	79.0	111.0	366.3	2.8	3.5
Milk, total	1,075.3	1,511.6	1,864.9	3,296.9	3.5	2.1
Eggs, total	55.8	63.1	146.3	384.6	1.2	8.8

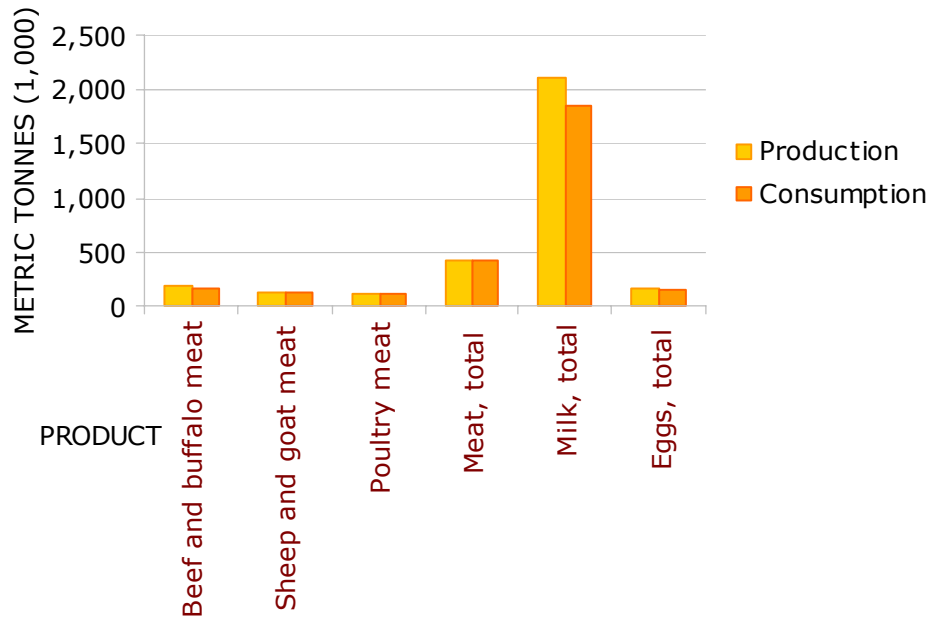
Source: FAOSTAT (2003); FAO (2002)

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



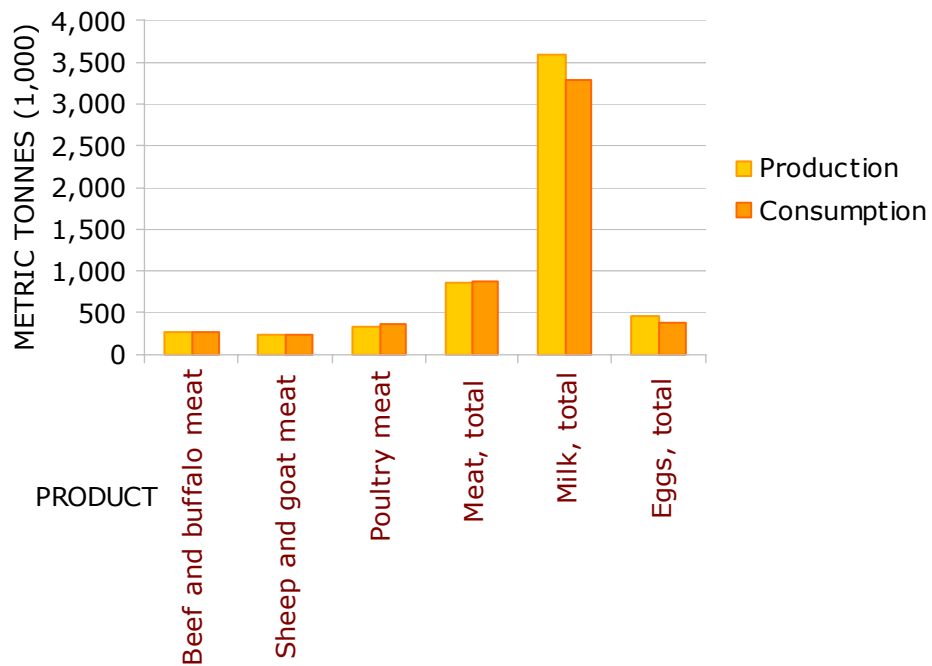
Source: FAO (2002)

Production versus consumption for meat, milk and eggs (2000)



Source: FAOSTAT (2003); FAO (2002)

Projected production versus consumption for meat, milk and eggs (2015)



Source: FAO (2002)

5. TRADE IN LIVESTOCK AND LIVESTOCK PRODUCTS

Trade in live animals

Species	1980			1990			2000		
	Export	Import	Net trade	Export	Import	Net trade	Export	Import	Net trade
Quantities (count)									
Cattle and buffaloes									
Sheep and goats									
Pigs									
Poultry (1,000)	1		1		118	<118>		3,800	<3,800>
Value (1,000 US\$)									
Cattle and buffaloes									
Sheep and goats									
Pigs									
Poultry	2		2		39	<39>		3,000	<3,000>
Total	2		2		39	<39>		3,000	<3,000>

Net trade: Exports less Imports; figures in brackets indicate net imports

Source: FAOSTAT (2003)

Trade in livestock products

Product	1980			1990			2000		
	Export	Import	Net trade	Export	Import	Net trade	Export	Import	Net trade
Quantity (metric tonnes)									
Meat, total	1,003		1,003	1,281	1,041	240	2	1,780	<1,778>
Beef and buffalo					1,041	<1,041>	2	3	<1>
Mutton and goat								1,729	<1,729>
Pig								5	<5>
Poultry									
Other	1,003		1,003	1,281		1,281		43	<43>
Milk, total		220,347	<220,347>	198	272,138	<271,940>	167	253,634	<253,467>
Eggs, total					3	<3>		630	<630>
Hides and skins	70		70	24	11	13	1	258	<257>
Value (1,000 US\$)									
Meat, total	2,784		2,784	4,547	746	3,801	21	5,572	<5,551>
Beef and buffalo					746	<746>	21	7	14
Mutton and goat								5,446	<5,446>
Pig								5	<5>
Poultry									
Other	2,784		2,784	4,547		4,547		114	<114>
Milk, total		30,881	<30,881>	61	89,845	<89,784>	35	82,972	<82,937>
Eggs, total					9	<9>		1,000	<1,000>
Hides and skins	269			149	69	<80>	16	531	<515>
Total	3,053	30,881	<27,828>	4,757	90,669	<85,912>	72	90,075	<90,003>

Net trade: Exports less Imports; figures in brackets indicate net imports

Source: FAOSTAT (2003)

Export/Import 'dependency' for livestock products

Product	Exports as percentage of production			Imports as percentage of consumption		
	1980	1990	2000	1980	1990	2000
Meat, total	0.480	0.416	0.000	0.000	0.350	0.430
Beef and buffalo	0.000	0.000	0.001	0.000	0.728	0.002
Sheep and goat	0.000	0.000	0.000	0.000	0.000	1.313
Pig	0.000	0.000	0.000	0.000	0.000	0.000
Poultry	0.000	0.000	0.000	0.000	0.000	0.000
Milk, total	0.000	0.012	0.008	20.492	18.003	13.600
Eggs, total	0.000	0.000	0.000	0.000	0.005	0.431

Source: FAOSTAT (2003); FAO Country historical data used for FAO (2002)

Product	Net exports as percentage of production			Net imports as percentage of consumption		
	1980	1990	2000	1980	1990	2000
Meat, total	0.480	0.078	0.000	0.000	0.000	0.430
Beef and buffalo	0.000	0.000	0.000	0.000	0.728	0.001
Sheep and goat	0.000	0.000	0.000	0.000	0.000	1.313
Pig	0.000	0.000	0.000	0.000	0.000	0.000
Poultry	0.000	0.000	0.000	0.000	0.000	0.000
Milk, total	0.000	0.000	0.000	20.492	17.990	13.591
Eggs, total	0.000	0.000	0.000	0.000	0.005	0.431

Source: FAOSTAT (2003); FAO Country historical data used for FAO (2002)

6. LIVESTOCK HEALTH

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

Disease	1996	1997	1998	1999	2000	2001
African swine fever						
Avian Influenza ¹						
Bluetongue	-	-	-	-	-	-
Bovine spongiform encephalopathy						
CBPP ²	(12/1997)			
Classical swine fever	-	-	-	-	-	-
Foot and mouth disease	2,100
Lumpy skin disease						
Newcastle disease
Peste des petits ruminants	(12/1997)
Rift Valley fever						
Rinderpest	-	-	(1958)	(1958)	-	-
Sheep and goat pox	(12/1997)
Swine vesicular disease						
Vesicular stomatitis						

¹ Highly pathogenic avian influenza

² Contagious bovine pleuropneumonia

... no information, - disease not reported, ooo disease never reported; (month/year) Date of the last reported occurrence of the disease in previous years

Source: OIE (2003)

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