

# LIVESTOCK SECTOR BRIEF

## PAKISTAN

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

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



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## 1. GENERAL INFORMATION

### Human population, land and socio-economics

Human population	141.3	million
Population density	183.3	persons/sqkm
Annual growth rate (1990-2000)	2.6	%
Population in agriculture	71.9	million
As proportion of total population	50.9	%
Economically active population in agriculture	24.5	million
As proportion of economically active population	47.1	%
Total land area	770,880	sqkm
Agricultural land	269,600	sqkm
As proportion of total land	35.0	%
Land under pasture	50,000	sqkm
As proportion of total land	6.5	%
Agricultural land per 100 people	19.1	ha
Agricultural land per 100 people in agriculture	37.5	ha
GDP <sup>1</sup>	71,277	million 1995 US\$
GDP annual growth rate (1990-2000)	3.7	%
GDP per capita/year <sup>1</sup>	516	1995 US\$
GDP per capita annual growth rate (1990-2000)	1.3	%
Agriculture, GDP	17,979	million 1995 US\$
As proportion of total GDP	26.3	%
Livestock, GDP <sup>1</sup>	9,523	million 1995 US\$
As proportion of total GDP	13.4	%
Poverty incidence (1991 figures) <sup>2</sup>		
Total	34.0	%
Urban	28.0	%
Rural	36.9	%

<sup>1</sup> Constant 1995 US\$ <sup>2</sup> 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	81,230	109,811	141,256	204,267	3.1	2.6
Rural	58,426	76,247	94,499	123,675	2.7	2.2
Urban	22,804	33,565	46,757	80,592	3.9	3.4

Source: FAOSTAT (2003)

## Trends in agricultural land

Values expressed in sqkm

Land type	Year			Annual growth rate (%)	
	1980	1990	2000	1980-1990	1990-2000
Agricultural, total	253,000	259,400	269,600	0.3	0.4
Cropped <sup>1</sup>	203,000	209,400	219,600	0.3	0.5
Pastures	50,000	50,000	50,000	0.0	0.0

<sup>1</sup>Arable and permanent crops

Source: FAOSTAT (2003)

## 2. LIVESTOCK RESOURCES

### Livestock populations

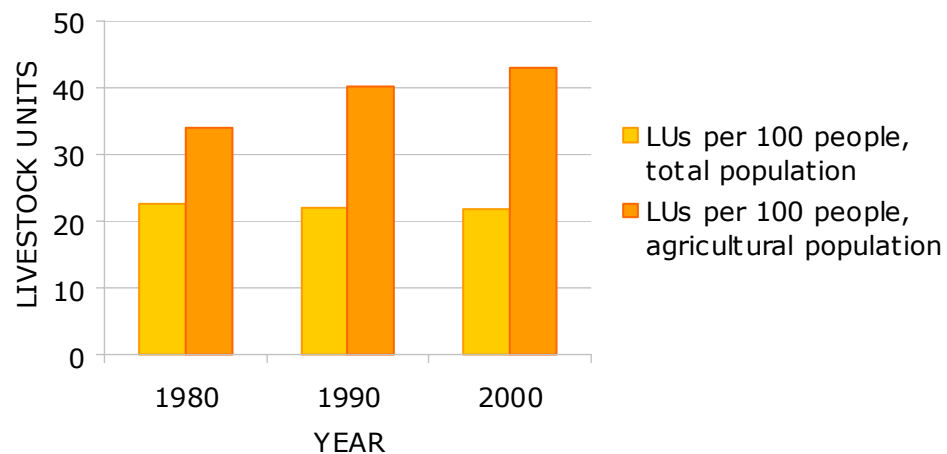
Values expressed in 1,000

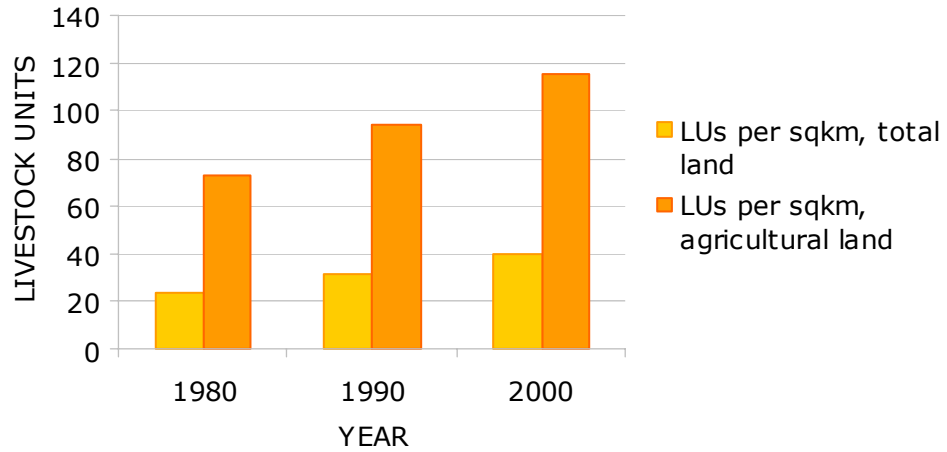
Species	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Cattle & Buffaloes	26,585	35,050	44,673	53,759	2.8	2.5
Sheep & Goats	46,392	61,144	71,500	94,545	2.8	1.6
Pigs	-	-	-	-	-	-
Poultry	46,451	81,808	153,500	323,315	5.8	6.5
Total LUs	18,396	24,457	31,022	39,567	2.9	2.4

**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 Country projections used for FAO (2002)

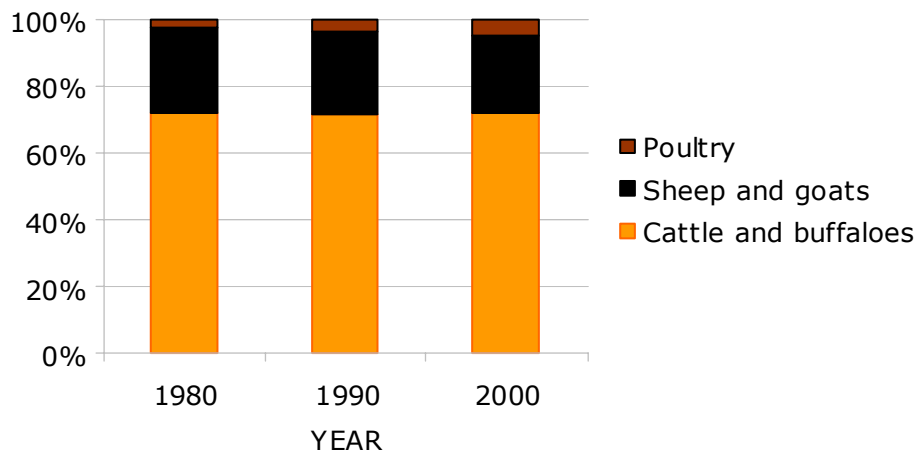
### Selected indicators of livestock resources





Source: FAOSTAT (2003)

### Contribution of different species to total livestock units

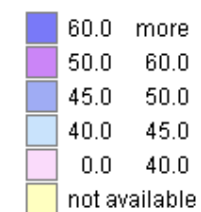
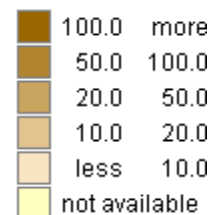
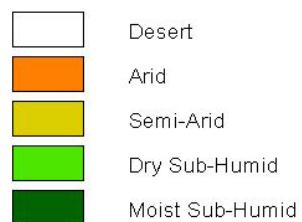
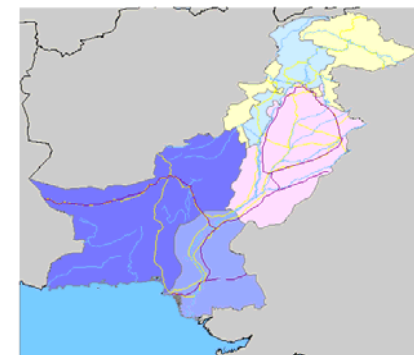
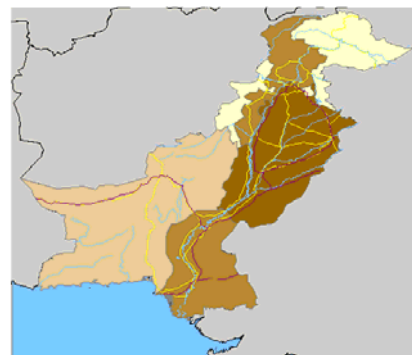
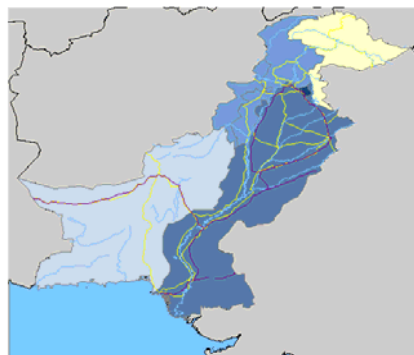
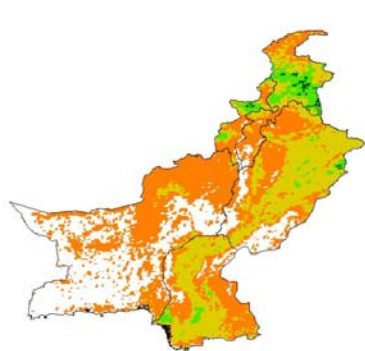


Source: FAOSTAT (2003)

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

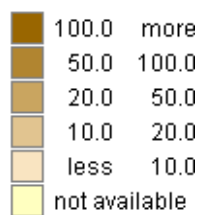
Density calculated on total land area

**Agro-ecological zones      People/sqkm      Livestock units/sqkm      Livestock units/100 people**

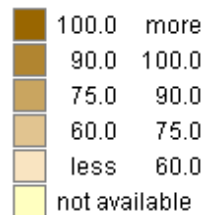
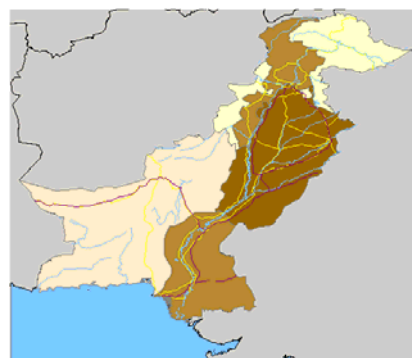


Source: FAO (2001); GLiPHA (2003)

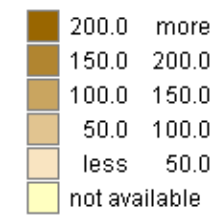
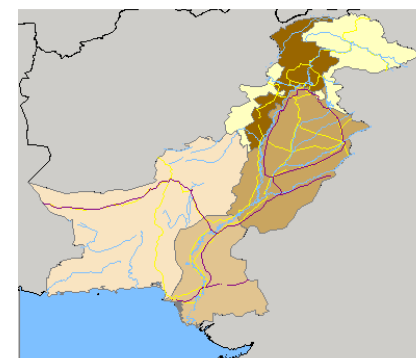
**Cattle and buffaloes/sqkm**



**Small ruminants/sqkm**



**Poultry/sqkm**



Source: GLiPHA (2002)

### 3. LIVESTOCK PRODUCTION

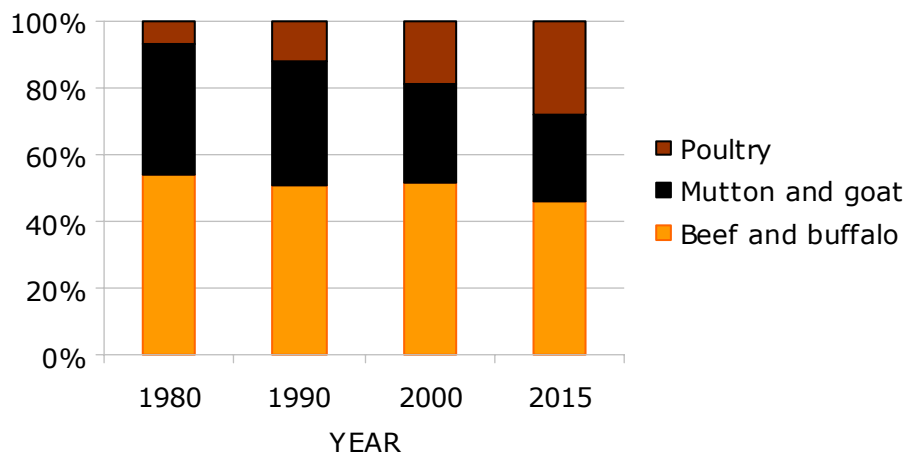
#### Trends in annual production of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Meat, total	713.1	1,324.7	1,734.6	3,207.8	6.4	2.7
Beef and buffalo	380.0	667.0	886.0	1,470.7	5.8	2.9
Mutton and goat	275.0	484.0	506.0	837.9	5.8	0.4
Pig	-	-	-	-	-	-
Poultry	46.6	160.7	326.7	899.2	13.2	7.4
Milk, total	9,014.0	14,723.0	28,355.0	43,307.4	5.0	8.0
Eggs, total	98.3	224.6	338.7	823.9	8.6	4.2

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

#### Composition of total meat production



Source: FAOSTAT (2003); FAO Country projections used for 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	126.9	164.0	190.9	9.9	9.9	10.0
Buffaloes	88.5	117.1	133.1	18.7	18.7	15.4
Sheep	10.7	17.4	17.0	51.4	42.0	41.5
Goat	9.6	15.5	17.0	65.4	54.0	41.8
Pigs	-	-	-	-	-	-
Poultry	0.7	1.0	1.1	137.5	191.6	199.7

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	856	842	1,450	17.0	23.7	31.5
Buffaloes	1,624	1,682	2,353	34.0	36.5	39.6

Source: FAOSTAT (2003)

### Egg yields and proportion of laying birds

Species/year	Eggs (kg/year)			Percentage layers		
	1980	1990	2000	1980	1990	2000
Chickens	3.6	5.4	5.4	58.5	51.9	40.7

Source: FAOSTAT (2003)

## Estimated feed used for livestock production

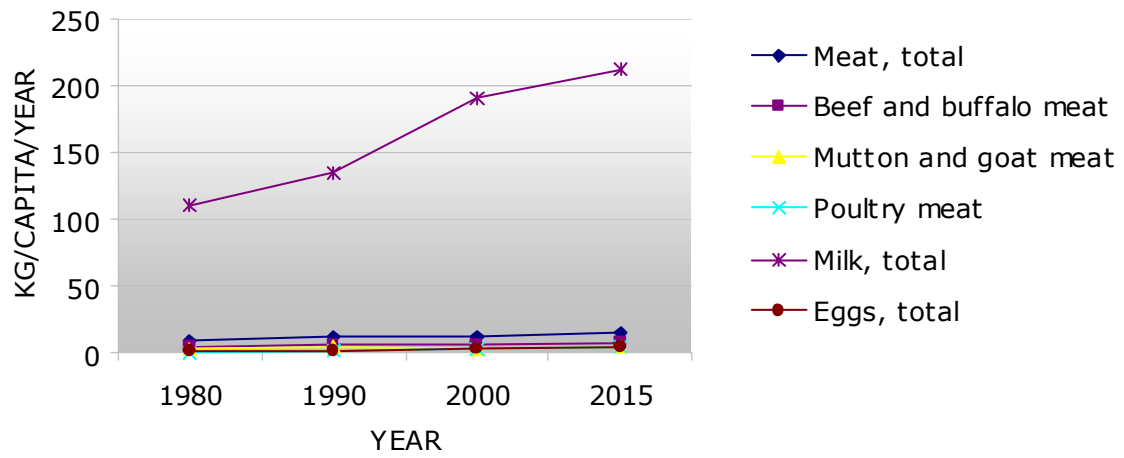
1,000 metric tonnes

Product	Year			Annual growth rate (%)	
	1980	1990	2000	1980 -1990	1990 - 2000
Cereals, total	1,801.7	2,357.7	4,007.4	2.7	5.4
Maize	189.0	237.0	328.0	2.3	3.3
Maize, bran	47.7	62.4	87.0	2.7	3.4
Millet and sorghum	118.5	109.9	111.4	-0.7	0.1
Wheat	199.0	288.0	422.0	3.8	3.9
Wheat, bran	698.6	1,138.2	2,226.6	5.0	6.9
Rice, broken	-	-	-	-	-
Rice, Paddy	187.4	195.6	288.2	0.4	3.9
Rice, bran	316.7	233.6	454.5	-3.0	6.9
Rice bran, cake	13.3	12.8	19.1	-0.4	4.1
Roots and tubers	-	-	-	-	-
Pulses, total	78.4	152.2	183.2	6.9	1.9
Animal products, total <sup>1</sup>	538.3	885.7	1,692.4	5.1	6.7
Cereals (kg)/livestock unit	97.9	96.4	129.2	-0.2	3.0

<sup>1</sup> 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 Country projections used for FAO (2002)

## 4. CONSUMPTION OF MEAT, MILK AND EGGS

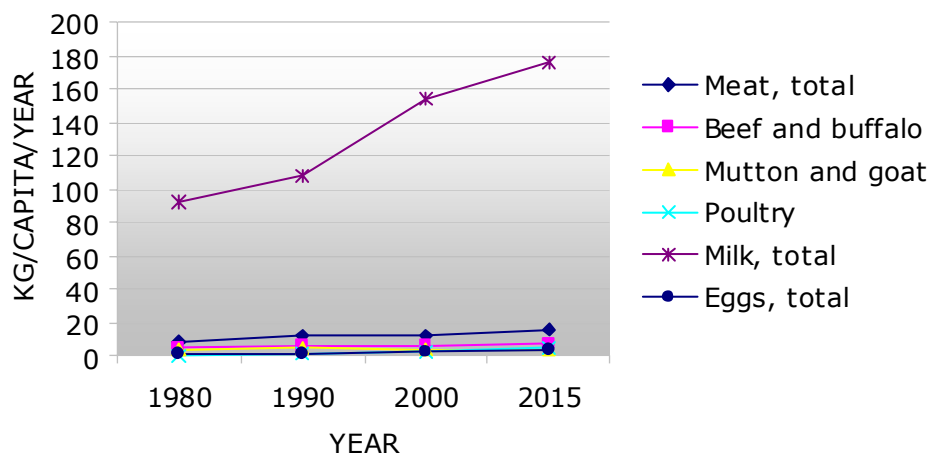
### Trends in annual consumption of meat, milk and eggs

1,000 metric tonnes

Product	Year				Annual growth rate (%)	
	1980	1990	2000	2015	1980-1990	1990-2000
Meat, total	702.3	1,313.9	1,683.9	3,247.8	6.5	2.5
Beef and buffalo	371.3	664.8	874.6	1,470.7	6.0	2.8
Sheep and goat	284.0	485.3	499.1	857.9	5.5	0.3
Pig	-	-	-	-	-	-
Poultry	46.9	163.7	310.1	919.2	13.3	6.6
Milk, total	7,485.7	11,889.5	21,142.2	35,889.7	4.7	5.9
Eggs, total	85.0	185.1	266.4	702.8	8.1	3.7

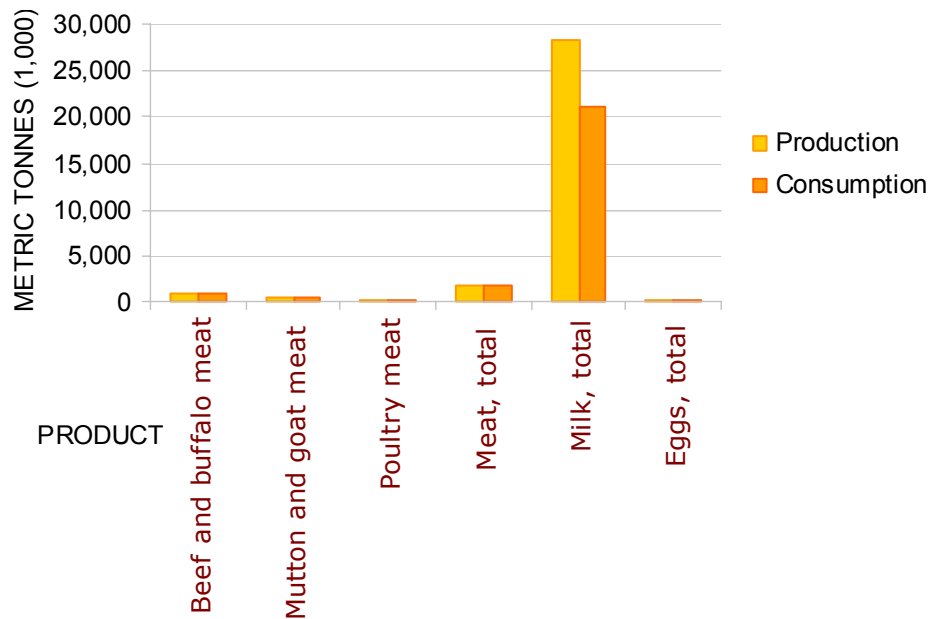
Source FAO Country projections used for FAO (2002)

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



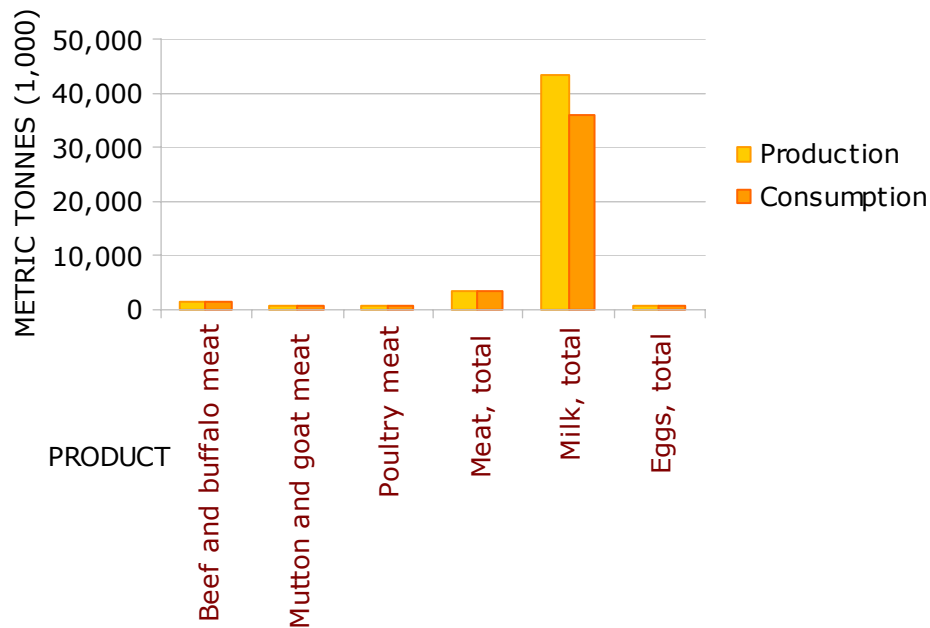
Source: FAO Country projections used for FAO (2002)

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



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

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



Source: FAO Country projections used for 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
<b>Quantities (count)</b>									
Cattle and buffaloes	4,946		4,946	1,589		1,589	3,648		3,648
Sheep and goats	100		100	7,708		7,708	2,365		2,365
Pigs	-	-	-	-	-	-	-	-	-
Poultry (1,000)	150	262	<112>	181	1,824	<1,643>	958	706	252
<b>Value (1,000 US\$)</b>									
Cattle and buffaloes	1,933		1,933	1,961		1,961	2,325		2,325
Sheep and goats	5		5	4,541		4,541	91		91
Pigs	-	-	-	-	-	-	-	-	-
Poultry	89	766	<677>	77	3,768	<3,691>	469	1,730	<1,261>
<b>Total</b>	<b>2,027</b>	<b>766</b>	<b>1,261</b>	<b>6,579</b>	<b>3,768</b>	<b>2,811</b>	<b>2,885</b>	<b>1,730</b>	<b>1,155</b>

**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
<b>Quantity (metric tonnes)</b>									
Meat, total		21	<21>	273	15	258	4,047	324	3,723
Beef and buffalo				258	3	255	715	8	707
Mutton and goat				15	2	13	3,303	11	3,292
Pig									
Poultry							24	315	<291>
Other		19	<19>	15	12	3	5	305	<300>
Milk, total	154	298,129	<297,975>		120,502	<120,502>	808	81,427	<80,619>
Eggs, total	33		33		8	<8>	674	63	611
Hides and skins	279	2,984	<2,705>	3	4,544	<4,541>	228	8,983	<8,755>
<b>Value (1,000 US\$)</b>									
Meat, total		33	<33>	858	36	822	6,941	676	6,265
Beef and buffalo				817	5	812	1,094	16	1,078
Mutton and goat				41	6	41	5,795	17	5,778
Pig									
Poultry							45	642	<597>
Other		27	<27>	0	31	<31>	7	1	6
Milk, total	31	38,678	<38,647>		24,031	<24,031>	1,068	17,020	<15,952>
Eggs, total	56		56		4	<4>	498	240	258
Hides and skins	5,395	1,893	3,502	36	8,889	<8,853>	177	11,247	<11,070>
<b>Total</b>	<b>5,482</b>	<b>40,604</b>	<b>&lt;35,122&gt;</b>	<b>894</b>	<b>32,960</b>	<b>&lt;32,066&gt;</b>	<b>8,684</b>	<b>29,183</b>	<b>&lt;20,499&gt;</b>

**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	0.000	0.021	0.233	0.003	0.001	0.019
Beef and buffalo	0.000	0.039	0.081	0.000	0.001	0.001
Sheep and goat	0.000	0.003	0.653	0.000	0.001	0.002
Pig	-	-	-	-	-	-
Poultry	0.000	0.000	0.007	0.000	0.000	0.102
Milk, total	0.002	0.000	0.003	3.983	1.014	0.385
Eggs, total	0.034	0.000	0.199	0.000	0.004	0.024

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	0.000	0.019	0.215	0.003	0.000	0.000
Beef and buffalo	0.000	0.038	0.080	0.000	0.000	0.000
Sheep and goat	0.000	0.003	0.651	0.000	0.000	0.000
Pig	-	-	-	-	-	-
Poultry	0.000	0.000	0.000	0.000	0.000	0.094
Milk, total	0.000	0.000	0.000	3.981	1.014	0.381
Eggs, total	0.034	0.000	0.180	0.000	0.004	0.000

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	...	000	000	000	000	000
Avian Influenza <sup>1</sup>	95,000	...	...	...	...	...
Bluetongue	...	-	(12/1996)	(12/1996)	(12/1996)	(12/1996)
Bovine spongiform encephalopathy	000	000	-	-	-	-
CBPP <sup>2</sup>	...	...	(12/1997)	(12/1997)	(12/1997)	(12/1997)
Classical swine fever	...	000	000	000	000	000
Foot and mouth disease	243	202	3,416	2,804	3,761	(12/2000)
Lumpy skin disease	000	000	000	000	000	000
Newcastle disease	260,000	297,615	228,825	189,307	476,503	582,550
Peste des petits ruminants	000	124	...	...	...	...
Rift Valley fever	000	000	000	000	000	000
Rinderpest	1,067	83	...	...	3	
Sheep and goat pox	4,294	5,462	7,908	12,220	23,165	
Swine vesicular disease	000	000	000	000	000	000
Vesicular stomatitis	?	-	-	-	-	-

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

<sup>2</sup> Contagious bovine pleuropneumonia

... no information; - disease not reported, 000 disease never reported;(year) Date of the last reported occurrence of the disease in previous years; ? disease suspected but not confirmed

Source: OIE (2003)

## 7. REFERENCES

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