

Data Table 10.1 Food and Agricultural Production, 1982–94

	Index of Agricultural Production (1979-81 = 100)				Index of Food Production (1979-81 = 100)				Average Production of Cereals		Average Yields of Cereals		Average Yields of Roots and Tubers		
	Total		Per Capita		Total		Per Capita		(000 metric tons)	% Change Since 1982-84	Kilograms Per Hectare	% Change Since 1982-84	Kilograms Per Hectare	% Change Since 1982-84	
	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94
	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94
WORLD	108	130	102	104	108	130	102	105	1,934,117	14	2,791	17	12,290	1	
AFRICA	102	135	94	94	102	138	94	95	94,708	41	1,160	10	7,607	17	
Algeria	106	179	96	125	105	178	96	125	2,513	76	841	47	9,938	55	
Angola	99	105	92	72	101	109	94	75	358	6	363	(24)	3,919	(3)	
Benin	112	186	102	126	110	175	100	119	628	59	929	36	9,434	26	
Botswana	100	108	90	70	100	108	90	70	33	141	314	43	5,200	(32)	
Burkina Faso	107	185	99	132	106	183	99	130	2,494	119	860	55	5,733	(42)	
Burundi	101	122	93	84	102	125	94	86	274	22	1,344	23	6,591	(4)	
Cameroon	106	111	97	77	106	114	98	79	953	14	1,195	28	5,845	24	
Central African Rep	106	132	99	97	105	135	98	99	98	(10)	877	35	3,873	1	
Chad	106	134	99	100	100	133	94	99	895	124	651	22	5,189	8	
Congo	109	114	100	78	109	114	100	78	27	138	900	40	6,855	(4)	
Cote d'Ivoire	101	140	90	86	106	152	95	94	1,413	48	1,024	12	5,914	5	
Egypt	107	155	99	112	111	168	102	122	14,722	72	5,921	38	21,961	10	
Equatorial Guinea	X	X	X	X	X	X	X	X	X	X	X	X	2,638	(14)	
Eritrea	X	X	X	X	X	X	X	X	116	(34)	841	0	2,889	(7)	
Ethiopia	99	38	93	28	100	39	94	28	4,563	X	1,346	X	3,647	X	
Gabon	103	122	91	79	103	122	91	79	26	93	1,791	(6)	5,420	3	
Gambia, The	120	114	111	70	120	110	111	68	101	18	1,218	(6)	3,000	0	
Ghana	104	172	94	112	105	173	94	113	1,450	127	1,199	83	6,518	8	
Guinea	102	150	96	106	102	148	96	105	1,062	55	838	(4)	7,373	5	
Guinea-Bissau	117	144	110	111	118	144	110	111	184	20	1,462	97	7,222	19	
Kenya	114	137	102	86	112	139	100	87	2,773	13	1,548	(7)	8,061	20	
Lesotho	91	100	83	69	89	100	81	68	164	29	1,038	56	8,000	X	
Liberia	109	70	99	46	111	88	101	58	72	(75)	789	(39)	7,637	22	
Libya	116	82	101	50	116	82	101	50	273	(17)	635	(9)	7,400	5	
Madagascar	106	125	97	82	107	127	97	83	2,620	18	1,936	15	6,570	12	
Malawi	106	110	97	65	103	100	95	59	1,306	(10)	958	(18)	3,243	(11)	
Mali	109	139	101	94	110	135	101	91	2,221	69	826	5	8,340	2	
Mauritania	96	116	89	83	96	116	89	83	155	186	810	71	1,875	(0)	
Mauritius	107	119	104	105	107	120	104	106	2	0	X	X	18,333	10	
Morocco	111	168	103	125	110	168	103	125	5,224	28	975	7	16,240	12	
Mozambique	98	91	91	73	100	94	92	75	608	(5)	430	(14)	3,766	(9)	
Namibia	76	105	70	74	77	108	71	76	76	(8)	660	2	7,945	(10)	
Niger	93	125	84	82	93	125	84	82	2,210	47	305	(14)	7,456	7	
Nigeria	104	197	95	134	104	196	95	134	13,390	45	1,237	(21)	10,259	39	
Rwanda	107	110	97	75	106	108	96	74	210	(32)	1,117	(2)	6,455	(20)	
Senegal	98	154	91	108	98	153	90	108	965	44	794	27	2,930	(30)	
Sierra Leone	108	116	102	87	107	111	101	83	530	(3)	1,181	(13)	4,333	35	
Somalia	107	87	96	65	107	87	96	65	260	(38)	443	(27)	10,500	(1)	
South Africa	89	95	82	70	88	96	81	71	10,481	22	1,893	50	19,460	46	
Sudan	97	127	89	89	93	130	86	91	4,445	123	561	36	2,969	(8)	
Swaziland	109	120	100	83	111	119	101	82	67	(17)	1,116	(11)	2,000	4	
Tanzania	105	117	95	77	106	118	96	78	3,649	21	1,155	(13)	8,260	(16)	
Togo	99	151	91	102	99	144	91	97	552	59	842	0	7,412	43	
Tunisia	105	159	97	119	105	159	97	119	1,592	45	1,270	65	13,848	12	
Uganda	116	154	106	101	115	155	106	102	1,887	65	1,549	17	6,289	2	
Zaire	111	149	101	97	110	149	100	98	1,712	68	872	4	7,921	11	
Zambia	101	138	90	89	100	136	90	88	1,179	31	1,611	(1)	5,379	(1)	
Zimbabwe	97	113	89	75	93	100	85	66	1,841	14	1,121	31	4,520	(1)	
EUROPE	106	105	105	101	106	105	105	101	258,449	(7)	4,099	3	21,202	11	
Albania	108	106	102	84	109	110	103	87	601	(41)	2,532	(13)	9,690	36	
Austria	109	111	109	106	109	111	109	106	4,403	(15)	5,318	9	25,255	(1)	
Belarus, Rep	X	X	X	X	X	X	X	X	6,769	31	2,603	34	12,673	(15)	
Belgium (a)	97	143	97	93	97	143	97	93	2,260	1	6,500	16	43,415	8	
Bosnia and Herzegovina	X	X	X	X	X	X	X	X	1,225	X	3,177	X	4,770	X	
Bulgaria	104	67	103	67	106	73	105	73	6,272	(31)	2,762	(36)	10,370	(5)	
Croatia, Rep	X	X	X	X	X	X	X	X	2,561	X	4,126	X	8,073	X	
Czech Rep	X	X	X	X	X	X	X	X	6,609	X	4,088	X	19,230	X	
Denmark	113	128	113	126	113	128	113	126	7,681	(3)	5,156	12	36,582	10	
Estonia, Rep	X	X	X	X	X	X	X	X	685	(27)	1,728	(26)	13,826	(15)	
Finland	113	105	111	99	113	105	111	99	3,114	(15)	3,360	10	20,148	17	
France	105	105	104	99	105	106	104	99	56,637	11	6,517	23	34,942	18	
Germany	107	107	108	104	107	107	108	104	35,566	1	5,588	20	33,555	50	
Greece	104	112	102	104	104	105	102	98	4,955	(5)	3,651	10	20,079	16	
Hungary	111	83	111	86	111	84	112	87	10,137	(32)	3,630	(29)	16,578	(7)	
Iceland	103	84	99	73	103	85	99	74	0	X	X	X	7,667	(39)	
Ireland	104	128	101	122	104	128	101	122	1,800	(19)	6,484	18	24,924	11	
Italy	102	104	101	102	102	104	101	102	19,500	4	4,739	29	22,705	31	
Latvia, Rep	X	X	X	X	X	X	X	X	1,042	(20)	1,768	(4)	13,463	(14)	
Lithuania, Rep	X	X	X	X	X	X	X	X	2,398	2	2,028	(11)	11,382	(16)	
Macedonia, former Yugoslav Rep	X	X	X	X	X	X	X	X	586	X	2,460	X	9,769	X	
Moldova, Rep	X	X	X	X	X	X	X	X	2,206	(10)	2,973	(17)	8,324	(8)	
Netherlands	109	125	107	116	108	125	107	115	1,390	2	7,515	11	43,973	17	
Norway	107	114	106	108	107	114	106	108	1,227	0	3,488	(8)	25,070	(0)	
Poland, Rep	103	101	100	93	103	103	100	95	21,714	(4)	2,574	(7)	15,861	(0)	
Portugal	100	110	98	109	100	111	99	110	1,439	11	2,008	60	14,223	72	
Romania	109	82	107	80	109	84	107	82	15,098	(21)	2,449	(22)	14,226	(24)	
Russian Federation	X	X	X	X	X	X	X	X	92,892	1	1,612	17	10,622	(6)	
Slovak Rep	X	X	X	X	X	X	X	X	3,526	X	4,176	X	13,762	X	
Slovenia, Rep	X	X	X	X	X	X	X	X	429	X	3,625	X	12,443	X	
Spain	107	115	105	110	107	116	105	110	15,765	(1)	2,317	9	19,408	22	
Sweden	108	91	108	87	108	91	108	87	4,524	(26)	4,059	1	34,009	25	
Switzerland	107	110	105	98	107	110	105	98	1,241	26	6,112	11	43,732	20	
Ukraine	X	X	X	X	X	X	X	X	37,045</						

	Index of Agricultural Production (1979-81 = 100)				Index of Food Production (1979-81 = 100)				Average Production of Cereals (000 metric % Change tons) Since		Average Yields of Cereals Kilograms % Change Per Hectare Since		Average Yields of Roots and Tubers Kilograms % Change Per Hectare Since	
	Total		Per Capita		Total		Per Capita		1992-94	1982-84	1992-94	1982-84	1992-94	1982-84
	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94						
	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84
NORTH & CENTRAL AMERICA	99	115	95	97	100	116	96	97	405,147	12	4,227	21	22,169	17
Belize	110	132	102	95	110	132	102	95	26	3	1,510	(17)	X	X
Canada	111	125	108	107	112	126	108	108	49,328	3	2,566	15	27,404	16
Costa Rica	104	146	95	102	101	148	92	104	230	(30)	3,184	47	25,105	263
Cuba	108	82	106	73	108	81	105	72	308	(51)	1,779	(34)	5,024	(13)
Dominican Rep	108	130	101	98	108	141	101	106	581	2	4,301	16	6,308	(9)
El Salvador	88	93	86	76	89	116	87	95	948	49	1,978	15	17,111	21
Guatemala	97	115	89	79	112	145	103	100	1,492	22	1,834	6	4,872	19
Haiti	103	86	98	67	104	87	99	68	397	(5)	936	(10)	3,829	(5)
Honduras	102	139	92	93	101	135	92	90	673	26	1,343	(2)	9,357	(2)
Jamaica	103	120	98	107	102	120	98	106	5	(24)	1,455	(24)	14,151	20
Mexico	107	123	100	91	108	126	101	94	27,207	23	2,708	18	17,188	24
Nicaragua	94	79	86	54	89	95	81	64	562	26	1,682	3	11,700	4
Panama	109	122	102	93	108	120	101	92	334	24	1,778	18	5,889	(20)
Trinidad and Tobago	86	103	83	87	88	106	84	89	23	258	3,091	14	11,000	(0)
United States	98	113	95	100	99	113	96	100	323,029	13	5,092	23	35,553	21
SOUTH AMERICA	106	135	99	105	107	140	100	108	85,456	11	2,475	26	11,891	10
Argentina	107	117	102	97	107	118	102	98	25,123	(23)	2,902	19	17,419	10
Bolivia	96	147	90	112	97	150	91	114	1,006	46	1,462	20	6,465	24
Brazil	106	144	99	112	108	151	101	117	44,323	39	2,256	40	12,439	11
Chile	102	149	97	120	102	151	97	121	2,721	63	4,299	78	15,430	36
Colombia	101	140	95	109	102	145	96	113	3,633	6	2,518	0	12,585	11
Ecuador	101	159	93	115	101	159	93	115	1,787	148	2,133	20	6,549	(37)
Guyana	102	100	99	93	102	101	100	94	281	(1)	3,029	(5)	8,000	28
Paraguay	117	164	106	110	116	169	105	113	920	7	1,986	27	14,164	1
Peru	107	120	X	X	110	125	X	X	1,967	7	2,679	18	8,212	4
Suriname	111	108	108	93	111	108	108	93	234	(19)	3,739	(5)	X	X
Uruguay	110	122	108	113	110	123	108	114	1,467	36	2,690	37	8,747	56
Venezuela	104	142	96	103	104	144	97	104	1,969	40	2,749	39	9,076	6
ASIA	115	160	108	127	114	161	108	127	894,866	23	2,947	22	14,324	3
Afghanistan, Islamic State	X	X	X	X	94	76	100	69	2,541	(29)	1,147	(14)	16,585	10
Armenia	X	X	X	X	X	X	X	X	X	X	X	X	12,292	(17)
Azerbaijan	X	X	X	X	X	X	X	X	1,135	(5)	1,741	(27)	7,763	(6)
Bangladesh	106	131	99	100	106	132	99	101	28,523	25	2,656	26	10,479	0
Bhutan	110	110	103	85	109	110	103	85	106	(38)	1,093	(24)	11,133	56
Cambodia	135	202	126	136	135	196	126	133	2,196	22	1,227	5	8,265	46
China	120	181	115	151	117	181	112	151	401,088	17	4,482	21	15,180	(1)
Georgia, Rep	X	X	X	X	X	X	X	X	415	(29)	1,609	(26)	10,000	(13)
India	114	162	107	124	115	164	107	125	206,608	33	2,062	38	15,751	15
Indonesia	114	173	107	136	115	178	108	140	54,579	36	3,864	16	11,565	24
Iran, Islamic Rep	121	207	107	127	122	211	107	129	16,545	68	1,750	52	18,723	22
Iraq	116	127	106	85	116	127	105	85	2,641	59	883	5	17,475	(7)
Israel	119	115	113	85	121	132	115	97	218	(18)	2,199	0	28,919	(33)
Japan	103	92	101	87	104	96	102	90	13,603	(7)	5,588	1	25,498	6
Jordan	121	234	108	125	120	238	107	127	120	35	1,078	72	23,700	32
Kazakhstan, Rep	X	X	X	X	X	X	X	X	22,526	23	1,037	43	9,685	(1)
Korea, Dem People's Rep	113	112	108	89	113	110	108	87	4,604	(26)	3,195	(17)	12,461	(1)
Korea, Rep	104	112	100	97	105	113	100	98	7,523	(16)	5,815	5	20,271	4
Kuwait	X	X	X	X	X	X	X	X	2	100	X	X	X	X
Kyrgyz Rep	X	X	X	X	X	X	X	X	1,390	18	2,366	2	11,911	(6)
Lao People's Dem Rep	117	158	110	110	117	158	110	110	1,530	27	2,494	50	8,808	(9)
Lebanon	112	196	112	187	113	202	113	192	77	178	1,958	65	20,927	36
Malaysia	117	218	108	156	124	277	115	198	2,085	19	3,026	16	9,697	4
Mongolia	105	97	97	70	106	98	98	70	477	(27)	892	(21)	8,040	(25)
Myanmar	124	135	116	103	125	138	118	105	17,402	16	2,808	(4)	8,927	(1)
Nepal	111	161	102	115	112	164	103	118	5,524	40	1,847	15	7,630	26
Oman	X	X	X	X	X	X	X	X	4	117	1,857	(7)	X	X
Pakistan	111	170	100	109	112	168	101	108	22,748	25	1,894	17	13,229	16
Philippines	103	119	96	89	102	120	95	90	14,523	30	2,229	28	6,841	17
Saudi Arabia	191	555	157	307	192	566	158	313	4,737	406	4,266	56	18,348	45
Singapore	86	45	82	39	86	46	83	39	0	X	X	X	X	X
Sri Lanka	100	98	95	81	102	101	97	84	2,534	6	3,008	7	8,961	(19)
Syrian Arab Rep	113	140	103	89	111	138	101	88	5,136	140	1,417	80	17,708	6
Tajikistan, Rep	X	X	X	X	X	X	X	X	269	(10)	981	(37)	11,947	(25)
Thailand	110	134	104	109	110	125	104	102	23,469	3	2,278	12	13,914	(15)
Turkey	109	134	101	100	110	135	102	101	29,302	14	2,114	10	23,499	41
Turkmenistan, Rep	X	X	X	X	X	X	X	X	1,090	265	2,412	15	10,556	66
United Arab Emirates	X	X	X	X	X	X	X	X	7	24	7,000	24	X	X
Uzbekistan, Rep	X	X	X	X	X	X	X	X	2,231	(11)	1,703	(21)	10,530	11
Viet Nam	116	173	109	130	116	171	109	128	23,378	52	3,343	32	7,677	10
Yemen, Rep	97	133	88	83	97	133	88	83	813	34	1,100	63	14,024	(7)
OCEANIA	103	118	99	97	103	119	99	98	23,115	(10)	1,748	22	11,436	6
Australia	104	122	99	101	103	119	99	99	22,319	(9)	1,709	22	29,000	16
Fiji	102	114	96	96	102	115	96	96	26	24	2,108	4	12,800	11
New Zealand	106	108	104	96	107	118	105	106	765	(20)	5,274	14	25,182	(13)
Papua New Guinea	106	135	100	102	108	139	101	104	3	0	1,500	0	7,218	2
Solomon Islands	115	140	104	90	116	140	104	90	X	X	X	X	18,278	18

Source: Food and Agriculture Organization of the United Nations.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium.

World and regional totals include some countries not listed here.

0 = zero or less than half the unit of measure; X = not available; negative numbers are shown in parentheses.

For additional information, see Sources and Technical Notes.

Data Table 10.2 Agricultural Inputs, 1981–93

	Cropland				Irrigated Land		Annual		Tractors		Harvesters	
	Total	Hectares	Total	Hectares	as a		Fertilizer Use		Average	Percent	Average	Percent
	Hectares	Per	Hectares	Per	Percentage of		(kilograms per		Number	Change	Number	Change
	(000)	Capita	(000)	Capita	Cropland		hectare of cropland)		Since	Since	Since	Since
	1993	1993	1983	1983	1981-83	1991-93	1983	1993	1991-93	1981-83	1991-93	1981-83
WORLD	1,447,509	0.26	1,432,735	0.31	15	17	88	83	25,879,371	10	3,888,353	2
AFRICA	187,887	0.27	177,907	0.34	6	7	19	21	515,884	10	40,802	(32)
Algeria	7,850	0.29	7,231	0.35	4	7	22	17	91,333	70	9,567	88
Angola	3,500	0.34	3,400	0.45	2	2	3	2	10,297	0	X	X
Benin	1,880	0.37	1,806	0.48	0	0	3	9	137	22	X	X
Botswana	420	0.30	400	0.40	1	0	3	2	6,000	133	95	15
Burkina Faso	3,565	0.36	2,935	0.39	0	1	5	6	134	12	X	X
Burundi	1,360	0.23	1,306	0.29	1	1	2	3	168	53	2	100
Cameroon	7,040	0.56	6,960	0.74	0	0	7	3	503	(21)	X	X
Central African Rep	2,020	0.64	1,970	0.79	0	0	0	1	208	23	19	65
Chad	3,256	0.54	3,150	0.66	0	0	1	1	168	5	17	2
Congo	170	0.07	154	0.08	1	1	10	12	708	4	59	51
Cote d'Ivoire	3,710	0.28	3,219	0.35	1	2	12	15	3,667	15	65	44
Egypt	2,800	0.05	2,478	0.05	100	100	363	357	60,333	33	2,367	10
Equatorial Guinea	230	0.61	230	0.84	0	0	0	0	100	2	X	X
Eritrea	1,280	0.38	X	X	X	1	X	0	850	X	40	X
Ethiopia	13,930	0.27	13,930	0.36	1	1	1	6	X	X	103	X
Gabon	460	0.37	452	0.49	1	1	5	1	1,493	14	X	X
Gambia, The	180	0.17	160	0.23	8	8	15	4	44	2	5	25
Ghana	4,320	0.26	3,500	0.29	0	0	6	1	4,083	12	537	49
Guinea	730	0.12	714	0.15	13	12	0	2	287	43	X	X
Guinea-Bissau	340	0.33	310	0.37	5	5	2	1	19	12	X	X
Kenya	4,520	0.17	4,280	0.23	1	1	20	27	14,000	73	650	50
Lesotho	320	0.16	283	0.19	1	1	16	19	1,850	22	35	16
Liberia	375	0.13	371	0.18	1	1	8	0	334	9	X	X
Libya	2,170	0.43	2,105	0.60	12	22	43	49	34,000	28	3,410	18
Madagascar	3,105	0.22	3,011	0.30	24	34	5	3	2,900	6	150	15
Malawi	1,700	0.16	1,420	0.21	1	1	30	51	1,417	11	X	X
Mali	2,503	0.25	2,053	0.28	0	0	5	10	840	1	49	7
Mauritania	208	0.10	195	0.12	25	24	2	22	336	8	X	X
Mauritius	106	0.10	107	0.11	15	16	254	245	367	9	X	X
Morocco	9,920	0.38	8,330	0.40	15	13	29	29	41,667	33	4,527	14
Mozambique	3,180	0.21	3,080	0.24	2	4	5	1	5,750	0	X	X
Namibia	662	0.45	662	0.59	1	1	0	0	3,133	16	X	X
Niger	3,605	0.42	3,540	0.57	1	2	1	0	179	38	X	X
Nigeria	32,385	0.31	30,670	0.39	3	3	9	16	11,867	25	X	X
Rwanda	1,170	0.15	1,090	0.19	0	0	1	2	90	7	X	X
Senegal	2,350	0.30	2,350	0.39	3	3	11	11	533	16	155	7
Sierra Leone	540	0.13	518	0.15	5	5	2	6	547	33	6	38
Somalia	1,020	0.11	1,015	0.14	15	18	2	0	2,137	16	X	X
South Africa	13,179	0.33	13,169	0.42	9	10	67	64	130,667	(24)	13,333	(67)
Sudan	12,975	0.49	12,558	0.62	14	15	3	5	10,484	6	1,540	63
Swaziland	191	0.24	141	0.23	42	35	123	61	4,433	27	X	X
Tanzania	3,500	0.12	3,130	0.15	4	4	7	14	6,633	(25)	X	X
Togo	2,430	0.63	2,360	0.83	0	0	1	4	370	42	X	X
Tunisia	4,952	0.58	4,967	0.72	5	8	15	22	26,833	2	3,049	18
Uganda	6,770	0.34	6,300	0.44	0	0	0	0	4,667	43	15	36
Zaire	7,900	0.19	7,700	0.26	0	0	1	1	2,427	14	X	X
Zambia	5,273	0.59	5,158	0.81	0	1	13	16	5,983	18	289	7
Zimbabwe	2,876	0.27	2,806	0.36	6	7	55	55	16,067	1	717	10
EUROPE	136,005	0.19	140,245	0.20	10	12	169	116	9,791,242	6	802,272	(2)
Albania	702	0.21	710	0.25	54	52	145	17	9,173	(11)	988	(29)
Austria	1,498	0.19	1,516	0.20	0	0	252	175	348,568	7	24,522	(19)
Belarus, Rep	6,248	0.61	6,360	0.65	3	2	X	136	125,167	(0)	28,667	(9)
Belgium (a)	794	X	771	X	0	0	577	403	0	X	8,373	(10)
Bosnia and Herzegovina	940	0.25	X	X	X	0	X	11	205,930	X	400	X
Bulgaria	4,310	0.49	4,141	0.46	29	29	244	54	48,407	(17)	7,754	(14)
Croatia, Rep	1,313	0.29	1,627	0.37	X	0	X	172	4,200	(27)	1,036	(44)
Czech Rep	3,293	0.32	X	X	X	0	X	81	78,000	X	3,933	X
Denmark	2,542	0.49	2,610	0.51	15	17	266	191	157,069	(11)	31,997	(14)
Estonia, Rep	1,143	0.74	991	0.65	0	0	X	57	19,597	X	2,469	X
Finland	2,580	0.51	2,467	0.51	2	2	212	132	233,333	0	42,000	(9)
France	19,439	0.34	19,027	0.35	5	8	307	237	1,460,000	(2)	153,833	4
Germany	12,116	0.15	12,450	0.16	4	4	368	221	1,373,967	(16)	138,994	(22)
Greece	3,494	0.34	3,945	0.40	25	36	162	148	215,750	28	6,250	(3)
Hungary	4,973	0.49	5,292	0.50	3	4	300	40	41,380	(25)	9,145	(26)
Iceland	6	0.02	8	0.03	0	0	X	X	0	X	18	13
Ireland	923	0.26	1,020	0.29	0	0	665	769	167,333	10	5,103	(2)
Italy	11,860	0.21	12,268	0.22	20	23	168	148	1,439,022	23	48,264	24
Latvia, Rep	1,711	0.66	1,736	0.67	0	0	X	56	51,992	X	5,976	X
Lithuania, Rep	3,008	0.81	3,150	0.89	0	0	X	27	47,400	X	9,633	X
Macedonia, former Yugoslav Rep	663	0.31	X	X	X	12	X	18	49,864	X	731	X
Moldova, Rep	2,193	0.50	2,215	0.54	11	14	X	52	53,835	(0)	4,754	6
Netherlands	934	0.06	831	0.06	60	60	821	560	182,000	(0)	5,573	(5)
Norway	890	0.21	849	0.21	9	11	298	229	156,000	9	16,100	(8)
Poland, Rep	14,668	0.38	14,799	0.40	1	1	231	87	1,168,833	54	83,667	72
Portugal	3,160	0.32	3,150	0.32	20	20	71	75	131,158	30	7,967	60
Romania	9,941	0.43	10,555	0.47	23	31	139	39	142,114	(17)	42,727	(2)
Russian Federation	133,900	0.91	135,550	0.96	4	4	X	29	1,283,333	(8)	376,667	(24)
Slovak Rep	1,613	0.30	X	X	X	2	X	50	33,663	X	9,361	X
Slovenia, Rep	301	0.16	X	X	X	1	X	249	69,761	X	1,034	X
Spain	19,656	0.50	20,508	0.54	15	17	71	93	765,769	29	48,860	12
Sweden	2,780	0.32	2,941	0.35	3	4	164	120	165,776	(12)	40,339	(16)
Switzerland	467	0.07	412	0.06	6	5	430	321	114,000	10	4,000	(18)
Ukraine	34,417	0.67	35,500	0.70	6	8	X	39	430,469	0	103,282	7
United Kingdom	6,127	0.11	6,970	0.12	2	2	375	338	500,000	(5)	47,333	(16)
Yugoslavia, Fed Rep	X	X	7,813	0.80	2	X	X	X	X	X	5,392	X

	Cropland				Irrigated Land		Annual		Tractors		Harvesters	
	Total	Hectares	Total	Hectares	as a		Fertilizer Use		Average	Percent	Average	Percent
	Hectares	Per	Hectares	Per	Percentage of		(kilograms per		Number	Change	Number	Change
	(000)	Capita	(000)	Capita	Cropland		hectare of cropland)		1991-93	1981-83	1991-93	1981-83
	1993	1993	1983	1983	1981-83	1991-93	1983	1993	1991-93	1981-83	1991-93	1981-83
NORTH & CENTRAL AMERICA	271,447	0.61	273,428	0.71	10	11	90	95	5,831,199	4	849,770	(1)
Belize	57	0.28	53	0.34	4	4	32	114	1,133	30	45	32
Canada	45,500	1.58	46,080	1.82	1	2	49	60	738,050	8	155,000	(3)
Costa Rica	530	0.16	515	0.21	14	23	171	208	6,833	12	1,187	12
Cuba	3,340	0.31	3,215	0.32	25	27	164	52	78,167	18	7,390	7
Dominican Rep	1,450	0.19	1,430	0.23	12	16	39	61	2,347	6	X	X
El Salvador	730	0.13	725	0.16	15	16	113	106	3,427	2	413	22
Guatemala	1,880	0.19	1,785	0.24	5	7	38	87	4,273	5	3,047	11
Haiti	910	0.13	899	0.16	8	8	4	5	228	20	X	X
Honduras	2,015	0.38	1,770	0.45	5	4	16	32	3,921	18	X	X
Jamaica	219	0.09	220	0.10	15	16	58	107	3,077	5	X	X
Mexico	24,730	0.27	24,688	0.34	20	24	60	71	172,000	14	19,333	17
Nicaragua	1,270	0.31	1,267	0.41	6	7	56	21	2,683	14	X	X
Panama	660	0.26	581	0.28	5	5	40	48	5,016	(6)	1,015	(25)
Trinidad and Tobago	122	0.10	118	0.10	18	18	66	51	2,643	6	X	X
United States	187,776	0.73	189,799	0.81	11	11	104	108	4,800,000	3	662,333	(1)
SOUTH AMERICA	102,767	0.33	103,685	0.41	7	9	31	59	1,223,582	22	120,845	15
Argentina	27,200	0.81	27,200	0.92	6	6	5	11	280,000	38	49,600	9
Bolivia	2,380	0.34	2,173	0.38	7	7	4	6	5,333	19	120	(1)
Brazil	48,955	0.31	51,000	0.39	4	6	45	85	733,333	19	47,667	22
Chile	4,257	0.31	4,302	0.37	29	30	18	58	39,727	16	8,733	5
Colombia	5,460	0.16	5,249	0.19	8	10	61	94	36,333	13	2,783	24
Ecuador	3,020	0.28	2,490	0.29	21	18	30	31	8,867	20	777	23
Guyana	496	0.61	495	0.63	25	26	21	24	3,627	3	438	5
Paraguay	2,270	0.48	1,930	0.56	3	3	5	14	16,293	70	X	X
Peru	3,430	0.15	3,650	0.20	32	37	22	44	16,500	6	X	X
Suriname	68	0.16	57	0.16	78	88	162	49	1,320	14	273	24
Uruguay	1,304	0.41	1,376	0.46	6	10	31	72	32,967	(2)	4,677	2
Venezuela	3,915	0.19	3,758	0.23	4	5	41	65	48,833	18	5,767	44
ASIA	468,661	0.14	455,997	0.16	30	34	84	118	5,565,425	38	1,366,519	21
Afghanistan, Islamic State	8,054	0.46	8,054	0.53	31	37	7	5	843	6	X	X
Armenia	X	X	X	X	X	X	X	X	14,615	9	1,864	27
Azerbaijan	2,000	0.27	1,970	0.31	64	58	X	27	35,667	(6)	3,800	(14)
Bangladesh	9,694	0.08	9,131	0.10	19	32	61	98	5,283	12	X	X
Bhutan	134	0.08	127	0.10	24	25	2	1	49	23	X	X
Cambodia	2,400	0.25	1,550	0.22	6	4	3	6	1,365	1	20	0
China	95,975	0.08	99,254	0.10	45	52	184	261	770,295	X	49,357	X
Georgia, Rep	1,000	0.18	990	0.19	43	44	X	54	22,500	(14)	1,367	(11)
India	169,650	0.19	168,520	0.23	24	28	46	73	1,131,395	124	3,067	17
Indonesia	30,987	0.16	26,000	0.16	17	15	58	85	34,660	234	17,467	15
Iran, Islamic Rep	18,150	0.28	15,210	0.34	37	51	68	52	117,333	19	2,750	(5)
Iraq	5,450	0.28	5,450	0.38	32	47	17	52	32,333	(4)	1,933	(22)
Israel	435	0.08	407	0.10	53	42	206	225	25,513	(6)	257	(26)
Japan	4,463	0.04	4,806	0.04	63	63	437	407	2,003,333	26	1,161,667	15
Jordan	405	0.08	347	0.10	11	16	47	34	5,800	21	77	19
Kazakhstan, Rep	34,800	2.05	35,949	2.33	6	6	X	14	203,333	(16)	85,667	(26)
Korea, Dem People's Rep	2,000	0.09	1,935	0.10	61	73	409	315	74,667	21	X	X
Korea, Rep	2,055	0.05	2,167	0.05	61	65	331	474	64,644	747	60,999	939
Kuwait	5	0.00	2	0.00	50	40	420	200	107	357	X	X
Kyrgyz Rep	1,420	0.31	1,440	0.38	68	67	X	20	25,133	(8)	3,500	(30)
Lao People's Dem Rep	805	0.17	760	0.22	15	15	1	4	887	24	X	X
Lebanon	306	0.11	298	0.11	29	28	119	118	3,000	0	95	6
Malaysia	4,880	0.25	4,860	0.33	7	7	116	212	12,433	38	X	X
Mongolia	1,401	0.60	1,314	0.73	3	6	12	4	11,667	9	2,583	2
Myanmar	10,087	0.23	10,077	0.28	10	10	16	19	10,667	18	49	54
Nepal	2,354	0.11	2,319	0.14	27	37	16	31	4,567	70	X	X
Oman	63	0.03	43	0.03	X	X	32	143	149	43	44	241
Pakistan	21,250	0.16	20,340	0.21	76	80	59	101	279,501	112	1,633	173
Philippines	9,190	0.14	8,880	0.17	15	17	40	61	11,333	22	693	34
Saudi Arabia	3,740	0.22	2,270	0.20	18	12	95	122	2,067	38	657	30
Singapore	1	0.00	6	0.00	X	X	783	5,600	65	29	X	X
Sri Lanka	1,900	0.11	1,869	0.12	29	29	90	111	32,733	25	6	64
Syrian Arab Rep	5,775	0.42	5,607	0.58	10	15	32	65	69,198	88	3,336	18
Tajikistan, Rep	849	0.15	910	0.21	70	75	X	81	35,238	5	1,267	(16)
Thailand	20,800	0.36	19,198	0.39	17	21	25	54	74,870	192	47,964	60
Turkey	27,535	0.46	26,618	0.56	11	13	63	80	724,430	40	11,174	(17)
Turkmenistan, Rep	1,480	0.38	2,100	0.68	48	91	x	97	62,021	57	14,075	25
United Arab Emirates	39	0.02	32	0.03	16	13	140	710	184	11	5	67
Uzbekistan, Rep	4,500	0.21	4,640	0.27	79	92	X	150	178,333	4	7,733	(29)
Viet Nam	6,700	0.09	6,590	0.11	26	28	57	136	36,667	29	X	X
Yemen, Rep	1,481	0.11	1,465	0.16	20	24	X	X	X	X	X	X
OCEANIA	51,500	1.86	49,573	2.09	4	5	35	41	401,469	(5)	60,136	(3)
Australia	46,486	2.64	44,975	2.97	4	4	26	32	315,333	(3)	56,533	(2)
Fiji	260	0.34	185	0.27	1	0	59	56	7,051	43	X	X
New Zealand	3,800	1.09	3,500	1.10	6	7	153	154	75,667	(16)	3,050	(21)
Papua New Guinea	415	0.10	374	0.11	0	0	18	31	1,140	(8)	475	14
Solomon Islands	57	0.16	53	0.21	0	0	0	0	0	X	X	X

Sources: Food and Agriculture Organization of the United Nations and the United Nations Population Division.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium. b. Data are from 1992. World and regional totals might include countries not listed here. X = not available; negative numbers are shown in parentheses. For additional information, see Sources and Technical Notes.

Data Table 10.3 Livestock Populations and Grain Consumed as Feed, 1982–94

	Cattle		Sheep and Goats		Pigs		Equines		Buffaloes and Camels		Chickens		Grains Fed to Livestock as Percent of Total Grain Consumption	
	Annual Average (000)	Percent Change Since 1982-84	Annual Average (000)	Percent Change Since 1982-84	Annual Average (000)	Percent Change Since 1982-84	Annual Average (000)	Percent Change Since 1982-84	Annual Average (000)	Percent Change Since 1982-84	Annual Average (millions)	Percent Change Since 1982-84	1974	1994
	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1992-94	1982-84	1974	1994
WORLD	1,283,702	3	1,699,921	6	869,872	12	118,215	5	166,949	13	12,638	48	38	38
AFRICA	190,361	8	379,161	15	20,162	90	19,482	13	16,953	7	975	49	6	15
Algeria	1,351	(11)	20,589	17	6	20	504	(34)	120	(16)	77	55	0	22
Angola	3,243	(0)	1,817	14	815	21	6	0	X	X	6	0	0	0
Benin	1,139	30	2,099	1	545	36	7	0	0	X	24	53	0	0
Botswana	2,767	(2)	2,690	190	16	172	191	16	0	X	2	133	0	0
Burkina Faso	4,178	43	12,627	49	540	54	459	23	12	9	18	41	0	2
Burundi	407	(3)	1,260	14	93	35	0	X	0	X	4	33	0	0
Cameroon	4,821	38	7,398	83	1,380	68	51	(10)	0	X	20	119	0	0
Central African Rep	2,752	37	1,478	32	476	48	0	X	0	X	3	50	X	0
Chad	4,548	5	5,176	8	16	60	458	5	577	24	4	33	0	0
Congo	67	(3)	414	50	56	114	0	X	0	X	2	20	0	0
Cote d'Ivoire	1,206	53	2,174	15	393	21	0	X	0	X	26	44	6	3
Egypt	3,006	69	6,485	41	27	22	1,611	(11)	3,408	32	46	24	9	35
Equatorial Guinea	5	25	44	7	5	0	0	X	0	X	0	X	X	X
Eritrea	1,533	4	2,897	5	0	X	0	X	68	(1)	4	20	X	X
Ethiopia	19,633	X	20,500	16	13	X	3,280	(2)	357	(65)	20	(63)	0	0
Gabon	37	511	253	29	165	51	0	X	0	X	3	33	0	0
Gambia, The	405	38	271	(14)	11	0	46	(5)	0	X	1	X	0	0
Ghana	1,410	41	5,599	52	501	30	15	(25)	0	X	12	67	2	3
Guinea	1,640	9	969	9	33	(22)	3	(10)	0	X	14	46	0	0
Guinea-Bissau	473	52	521	35	307	12	7	75	0	X	1	50	0	0
Kenya	11,333	(7)	13,079	(5)	106	14	2	0	812	18	25	43	0	2
Lesotho	638	17	2,659	22	76	34	287	34	0	X	1	0	0	25
Liberia	36	(14)	432	(6)	120	4	0	X	0	X	4	33	0	0
Libya	83	(49)	4,967	(26)	0	X	77	(22)	127	(33)	18	57	0	27
Madagascar	10,284	(0)	2,008	(5)	1,525	20	0	(100)	0	X	30	40	0	0
Malawi	972	6	1,084	28	241	21	2	200	0	X	9	13	0	2
Mali	5,432	(5)	12,608	11	67	33	696	(3)	247	10	23	39	0	2
Mauritania	1,070	(16)	8,100	14	0	X	173	9	1,017	33	4	33	0	0
Mauritius	34	28	102	28	15	44	0	X	0	X	3	33	0	0
Morocco	2,875	18	21,214	34	10	32	1,630	21	36	(40)	82	172	1	26
Mozambique	1,250	(5)	505	9	171	27	20	0	0	X	23	17	0	0
Namibia	2,093	11	4,399	15	18	2	135	13	0	X	2	100	X	X
Niger	1,947	(36)	9,333	(3)	39	16	532	(21)	368	(4)	20	76	0	0
Nigeria	16,244	29	38,651	60	6,305	473	1,215	30	18	0	120	33	0	1
Rwanda	610	(4)	1,498	16	130	12	0	X	0	X	1	0	0	7
Senegal	2,750	22	7,527	141	320	69	845	104	15	156	33	223	0	0
Sierra Leone	357	1	461	4	50	24	0	X	0	X	6	38	0	2
Somalia	4,000	(8)	22,000	(26)	6	(43)	43	(9)	5,900	(4)	2	(22)	41	4
South Africa	12,720	(3)	35,975	(7)	1,511	7	454	0	0	X	41	27	34	33
Sudan	21,650	4	38,773	17	0	X	699	(2)	2,835	2	35	19	0	0
Swaziland	660	5	449	26	31	82	13	(22)	0	X	1	0	0	0
Tanzania	13,296	2	13,206	34	333	87	177	6	0	X	27	48	0	3
Togo	250	5	3,166	142	861	279	5	167	0	X	6	200	0	21
Tunisia	652	10	8,266	32	6	64	366	10	231	32	39	38	12	29
Uganda	5,133	5	5,133	15	887	310	17	6	0	X	20	28	0	0
Zaire	1,649	34	5,175	49	1,145	65	0	X	0	X	35	130	0	0
Zambia	3,200	37	660	60	293	45	2	100	0	X	21	48	6	4
Zimbabwe	4,400	(21)	3,066	94	278	53	128	9	0	X	12	48	13	9
EUROPE	110,006	(17)	149,419	3	170,256	(3)	5,455	(19)	135	(31)	1,297	(1)	62	59
Albania	627	2	3,138	43	90	(56)	187	42	2	0	3	(25)	0	0
Austria	2,432	(5)	369	57	3,750	(5)	62	50	0	X	14	(7)	67	69
Belarus, Rep	6,216	(12)	377	(37)	4,395	(11)	222	(2)	20	X	49	15	X	70
Belgium (a)	3,301	6	174	47	6,836	32	21	(30)	0	X	35	9	56	44
Bosnia and Herzegovina	438	X	724	X	454	X	59	X	1	X	8	X	X	X
Bulgaria	1,011	(43)	5,707	(50)	2,631	(31)	444	(10)	21	(47)	18	(56)	71	55
Croatia, Rep	566	X	613	X	1,264	X	38	X	0	X	13	X	X	X
Czech Rep	2,525	X	309	X	4,426	X	19	X	0	X	27	X	X	62
Denmark	2,126	(25)	90	74	10,693	18	23	(31)	0	X	20	26	82	81
Estonia, Rep	595	(29)	116	(42)	588	(45)	7	X	0	X	4	(43)	X	64
Finland	1,242	(25)	73	(20)	1,322	(9)	49	41	0	X	5	(33)	69	60
France	20,470	(14)	11,573	(19)	12,672	11	367	7	0	X	263	23	66	65
Germany	16,307	(22)	2,492	(28)	26,061	(26)	518	17	0	X	102	(23)	X	60
Greece	618	(22)	15,265	19	1,103	5	203	(49)	1	0	27	(9)	51	52
Hungary	1,194	(38)	1,643	(47)	5,453	(40)	77	(33)	0	X	37	(43)	71	75
Iceland	76	13	500	(31)	21	85	78	49	0	X	0	X	X	X
Ireland	6,244	8	6,044	130	1,419	32	68	(17)	0	X	11	31	66	63
Italy	7,823	(8)	11,730	4	8,352	(6)	381	(13)	89	(17)	159	3	46	48
Latvia, Rep	1,174	(19)	166	(19)	950	(44)	29	(13)	0	X	6	(51)	X	64
Lithuania, Rep	1,849	(22)	61	(34)	1,580	(40)	79	2	0	X	11	(26)	X	63
Macedonia, former Yugoslav Rep	280	X	2,405	X	179	X	63	X	1	X	4	X	X	X
Moldova, Rep	962	(22)	1,361	17	1,468	(21)	53	X	0	X	21	5	X	50
Netherlands	4,766	(12)	2,079	158	13,809	29	65	7	0	X	110	28	65	40
Norway	998	1	2,421	2	752	7	21	39	0	X	4	0	67	66
Poland, Rep	7,853	(31)	1,336	(68)	20,137	17	821	(49)	0	X	55	(16)	67	61
Portugal	1,361	3	6,771	22	1,825	(46)	275	(8)	0	X	27	35	55	58
Romania	3,878	(40)	13,331	(26)	10,023	(24)	775	19	0	X	96	(11)	66	65
Russian Federation	51,934	(12)	50,108	(23)	31,835	(15)	2,571	X	133	X	641	7	X	57
Spain	4,998	(1)	26,949	35	18,227	53	413	(29)	0	X	51	(3)	64	68
Slovak Rep	1,165	X	508	X	2,292	X	0	X	0	X	15	X	X	64
Slovenia, Rep	497	X	31	X	584	X	0	X	0	X	11	X	X	X
Sweden	1,825	(4)	467	7	2,238	(17)	81	42	0	X	13	(3)	77	75
Switzerland	1,743	(10)	477	11	1,693	(19)	56	15	0	X	6	0	60	55
Ukraine	22,597	(12)	7,310	(19)	16,437	(20)	731	(10)	0	X	207	(12)	X	59
United Kingdom	11,688	(11)	29,375	29	7,828	(2)	183	7	0	X	138	14	57	50
Yugoslavia, Fed Rep	1,925	X	2,740	X	3,979	X	84	302	19	X	23	X	57	b 52

Data Table 10.3 continued

	Cattle		Sheep and Goats		Pigs		Equines		Buffaloes and Camels		Chickens		Grains Fed to Livestock as Percent of Total Grain Consumption		
	Annual Average	Percent Change	Annual Average	Percent Change	Annual Average	Percent Change	Annual Average	Percent Change	Annual Average	Percent Change	Annual Average	Percent Change	1974	1994	
	(000)	Since 1982-84	(000)	Since 1982-84	(000)	Since 1982-84	(000)	Since 1982-84	(000)	Since 1982-84	(millions)	Since 1982-84			
NORTH & CENTRAL AMERICA	161,223	(9)	32,036	(7)	91,825	1	20,915	(1)	9	13	2,145	37	68	65	
Belize	57	14	5	25	26	32	9	0	0	X	1	50	X	X	
Canada	11,935	0	697	19	10,846	8	426	12	0	X	103	5	75	76	
Costa Rica	1,983	(16)	5	0	247	6	126	1	0	X	14	126	29	51	
Cuba	4,567	(11)	420	(11)	1,603	(1)	632	(23)	0	X	25	(0)	0	0	
Dominican Rep	2,392	17	702	30	833	168	607	32	0	X	33	37	27	58	
El Salvador	1,237	31	20	11	322	(18)	122	6	0	X	4	(8)	21	24	
Guatemala	2,181	2	515	(27)	695	14	163	12	0	X	16	12	7	25	
Haiti	800	(36)	995	(5)	200	(65)	690	(4)	0	X	5	(25)	0	2	
Honduras	2,238	(7)	41	33	597	35	281	9	0	X	11	100	9	47	
Jamaica	328	15	443	7	180	(11)	37	(3)	0	X	8	53	0	32	
Mexico	30,503	1	16,613	2	17,111	(10)	12,588	1	0	X	300	42	23	38	
Nicaragua	1,645	(28)	10	11	538	(10)	302	(6)	0	X	6	27	22	5	
Panama	1,434	(2)	5	(17)	292	47	160	20	0	X	8	47	7	39	
Trinidad and Tobago	55	(16)	66	15	50	(28)	5	0	9	13	11	19	0	35	
United States	99,240	(13)	10,946	(20)	57,918	2	4,719	(9)	0	X	1,580	39	75	68	
SOUTH AMERICA	279,363	13	118,854	(0)	50,885	(1)	22,295	11	1,430	101	1,138	51	39	52	
Argentina	50,292	(6)	24,767	(24)	2,167	(43)	3,587	10	0	X	64	35	43	51	
Bolivia	5,862	14	9,071	(1)	2,277	29	1,036	4	0	X	34	173	17	34	
Brazil	152,710	22	32,332	17	32,007	(1)	9,575	13	1,429	101	670	42	47	60	
Chile	3,570	(5)	5,256	(21)	1,307	18	531	5	0	X	53	119	22	34	
Colombia	25,265	5	3,507	4	2,638	18	3,330	10	0	X	71	108	16	30	
Ecuador	4,821	44	1,978	34	2,502	(32)	939	46	0	X	57	70	12	38	
Guyana	190	19	209	7	45	(26)	3	0	0	X	11	(13)	4	5	
Paraguay	7,962	19	495	4	2,983	180	390	10	0	X	13	8	0	2	
Peru	3,965	(4)	13,565	(9)	2,371	5	1,411	4	0	X	64	45	26	38	
Suriname	97	74	18	135	37	79	0	X	1	X	6	20	0	0	
Uruguay	9,972	(0)	24,614	20	224	(14)	482	3	0	X	9	56	32	13	
Venezuela	14,641	29	2,317	37	2,317	(9)	1,007	3	0	X	86	74	33	33	
ASIA	402,804	10	700,609	13	470,092	29	43,627	6	147,787	13	5,894	91	8	18	
Afghanistan, Islamic State	1,500	(54)	16,350	(17)	0	X	1,524	(13)	265	0	7	0	0	0	
Armenia	0	X	781	(64)	82	(69)	12	X	0	X	3	(72)	X	19	
Azerbaijan	1,709	(8)	4,913	(9)	126	(37)	38	X	40	X	26	7	X	28	
Bangladesh	23,844	7	26,998	132	0	X	0	X	857	68	124	61	0	0	
Bhutan	429	26	96	153	74	28	57	33	4	(33)	0	X	X	0	
Cambodia	2,508	95	0	X	2,080	144	20	100	812	50	14	105	0	0	
China	86,469	53	210,519	18	392,182	29	26,605	9	22,624	15	2,995	129	9	23	
Georgia, Rep	1,132	(29)	1,442	(28)	707	(32)	21	X	20	X	19	(3)	X	21	
India	192,777	(1)	162,132	11	11,630	14	2,672	29	80,153	10	437	136	1	3	
Indonesia	11,298	28	18,197	38	8,357	92	706	15	3,454	35	647	128	2	9	
Iran, Islamic Rep	7,000	15	68,700	22	0	X	2,288	(13)	440	13	180	53	11	18	
Iraq	1,117	(34)	7,393	(40)	0	X	192	(63)	116	(53)	24	(61)	0	23	
Israel	356	17	444	15	100	(11)	11	0	10	(9)	27	(17)	66	60	
Japan	4,998	9	60	(22)	10,790	5	27	14	0	X	331	7	39	46	
Jordan	41	33	2,553	75	0	X	26	(12)	18	15	76	144	21	54	
Kazakhstan, Rep	9,336	4	34,409	(4)	2,610	(9)	1,513	X	170	X	59	18	X	54	
Korea, Dem People's Rep	1,310	31	694	19	3,323	33	51	17	0	X	22	24	0	0	
Korea, Rep	2,847	29	511	53	5,897	101	6	89	0	X	74	58	7	50	
Kuwait	10	(58)	147	(48)	0	X	0	(100)	1	(86)	9	(31)	26	25	
Kyrgyz Rep	1,093	9	8,513	(17)	237	(21)	318	X	50	X	13	18	X	46	
Lao People's Dem Rep	1,047	109	134	124	1,575	22	29	(21)	1,202	31	9	35	0	0	
Lebanon	77	54	706	20	41	81	43	171	1	X	23	0	30	35	
Malaysia	713	21	659	63	2,975	45	5	0	189	(24)	105	66	3	46	
Mongolia	2,777	17	20,239	5	60	52	2,186	10	435	(25)	0	X	0	0	
Myanmar	9,582	3	1,391	6	2,544	(8)	128	(2)	2,113	3	29	(21)	0	0	
Nepal	6,343	(6)	6,373	15	614	52	0	X	3,102	20	7	22	0	0	
Oman	142	15	882	6	0	X	26	13	94	33	3	200	0	0	
Pakistan	17,890	11	67,922	32	0	X	4,208	34	19,731	48	95	63	2	4	
Philippines	1,778	(7)	2,564	26	8,068	3	207	9	2,589	(12)	74	13	12	25	
Saudi Arabia	202	(29)	11,091	18	0	X	103	(10)	413	16	81	98	5	74	
Singapore	0	(100)	1	(57)	167	(79)	0	X	0	X	2	(86)	35	20	
Sri Lanka	1,589	(7)	519	(6)	90	14	2	0	879	(4)	9	42	0	0	
Syrian Arab Rep	747	(2)	13,661	0	1	X	224	(25)	4	(59)	18	22	3	29	
Tajikistan, Rep	1,239	(5)	2,921	(6)	47	(72)	86	X	50	X	4	(41)	X	17	
Thailand	6,866	45	286	199	5,007	20	67	247	4,622	(27)	151	72	4	30	
Turkey	11,945	(20)	49,580	(26)	10	(14)	1,551	(32)	347	(60)	161	155	22	31	
Turkmenistan, Rep	962	37	6,060	34	203	1	46	X	40	X	7	22	X	46	
United Arab Emirates	60	96	1,125	99	0	X	0	X	136	93	7	83	0	20	
Uzbekistan, Rep	5,226	35	9,376	(2)	525	(25)	269	X	112	X	33	11	X	28	
Viet Nam	3,298	68	303	37	14,033	30	134	12	2,951	21	113	48	0	0	
Yemen, Rep	1,143	10	6,943	11	0	X	503	(19)	172	17	21	148	0	0	
OCEANIA	33,421	6	191,930	(8)	X	X	X	X	X	X	X	X	X	46	54
Australia	24,225	5	139,915	2	2,726	11	280	(38)	0	X	65	36	46	60	
Fiji	312	34	201	16	107	50	43	8	0	X	3	50	0	0	
New Zealand	8,456	9	51,730	(26)	424	2	83	(13)	0	X	10	43	50	47	
Papua New Guinea	105	(14)	6	50	1,022	12	2	100	0	X	3	50	0	0	
Solomon Islands	13	(44)	0	X	55	15	0	X	0	X	0	X	X	X	

Sources: Food and Agriculture Organization of the United Nations and the United States Department of Agriculture.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium. b. Data are for the area of the former Yugoslavia.

World and regional totals include some countries not listed here.

0 = zero or less than half the unit of measure; X = not available; negative numbers are shown in parentheses. For additional information, see Sources and Technical Notes.

Data Table 10.4 Food Trade and Aid, 1981–93

	Average Annual Net Trade in Food						Average Annual Donations or Receipts of Food Aid					
	Cereals		Oils		Pulses		Cereals		Oils		Milk	
	(000 metric tons)		(metric tons)		(metric tons)		(000 metric tons)		Kg Per Capita		(metric tons)	(metric tons)
	1981-83	1991-93	1981-83	1991-93	1981-83	1991-93	1980-82	1990-92	1980-82	1990-92	1990-92	1990-92
WORLD												
AFRICA	20,123	31,328	1,025,867	1,863,785	164,824	459,234	4,371	6,077	9	7	205,935	47,221
Algeria	3,527	5,184	216,258	270,651	98,600	92,986	18	20	1	1	787	978
Angola	289	321	31,191	45,478	25,390	29,994	37	108	5	4	6,895	682
Benin	101	156	15,862	8,317	212	118	8	11	2	2	915	277
Botswana	77	119	3,174	4,474	(120)	1,947	13	3	13	10	561	597
Burkina Faso	69	145	6,430	5,518	(2,772)	(300)	56	57	8	6	2,815	1,277
Burundi	19	24	1,007	832	0	0	10	3	2	2	211	695
Cameroon	133	296	9,885	17,853	(12)	50	8	6	1	1	470	169
Central African Rep	16	30	271	2,331	25	27	2	4	1	1	216	206
Chad	39	64	0	(8)	(179)	0	20	31	4	3	396	920
Congo	69	134	3,020	5,253	18	1,570	2	11	1	1	839	116
Cote d'Ivoire	566	555	72,465	150,677	145	650	1	45	0	0	887	374
Egypt	7,326	7,144	314,631	721,161	98,000	188,387	1,860	1,124	41	32	9,264	2,783
Equatorial Guinea	5	9	0	2,704	0	35	3	4	15	9	5	274
Eritrea	X	X	X	X	X	X	X	13	X	0	X	X
Ethiopia	278	620	3,275	39,484	(34,162)	14,880	176	907	5	4	39,873	6,122
Gabon	42	75	1,503	2,437	36	15	0	0	0	0	0	0
Gambia, The	38	93	(7,651)	4,598	0	0	15	9	22	15	640	35
Ghana	188	369	4,470	3,915	70	973	82	113	7	5	1,644	524
Guinea	112	323	2,018	9,679	0	(385)	32	24	7	5	617	4
Guinea-Bissau	34	72	486	2,242	59	57	25	9	30	25	671	337
Kenya	148	483	91,730	149,079	(45,352)	(36)	129	172	7	5	3,263	565
Lesotho	107	130	0	0	5,193	4,167	36	35	26	19	1,181	486
Liberia	109	150	3,408	4,310	159	5,267	24	146	12	9	7,754	222
Libya	843	2,329	57,859	50,044	18,448	11,384	0	0	0	0	0	0
Madagascar	311	93	12,764	19,151	(2,883)	(7,904)	43	48	5	3	2,885	612
Malawi	(4)	362	519	4,743	(9,808)	8,223	8	358	1	1	5,368	748
Mali	148	118	(4,869)	(891)	22	0	46	37	7	5	949	286
Mauritania	198	310	9,869	154,105	3,637	1,327	73	59	46	35	1,067	814
Mauritius	174	205	18,126	21,843	7,424	9,912	28	7	29	26	34	490
Morocco	2,224	2,901	170,100	177,354	(7,465)	9,842	239	210	12	10	50,734	3,927
Mozambique	299	690	9,387	46,867	9,133	31,381	151	656	12	10	13,227	2,602
Namibia	63	141	0	0	8,367	8,000	0	14	0	0	502	181
Niger	122	138	7,462	13,119	(8,363)	(49,433)	30	48	5	4	1,348	934
Nigeria	1,947	1,203	238,658	65,118	2,386	43	0	0	0	0	3	878
Rwanda	17	49	863	10,625	(797)	2,792	14	34	3	2	2,008	1,065
Senegal	500	587	(36,541)	(37,121)	36	232	99	57	17	13	784	767
Sierra Leone	88	151	720	4,554	58	0	26	37	8	6	1,491	318
Somalia	359	248	19,816	10,710	583	12,333	218	168	31	25	7,628	726
South Africa	(2,551)	1,824	(27,218)	132,541	22,495	64,560	0	0	0	0	0	0
Sudan	102	635	(16,786)	69,570	8,388	30,333	200	426	10	8	11,411	3,758
Swaziland	48	72	0	0	0	0	1	16	1	1	248	240
Tanzania	274	186	4,511	46,206	(35,420)	(17,192)	211	25	11	8	573	1,169
Togo	66	77	415	1,985	548	77	5	11	2	1	1,263	249
Tunisia	1,032	950	11,759	31,438	(6,204)	767	120	179	18	15	3,611	3,303
Uganda	27	(22)	0	13,100	367	(19,737)	41	49	3	2	1,756	1,005
Zaire	399	253	26,837	10,367	133	1,600	81	77	3	2	780	840
Zambia	222	372	8,522	13,105	221	339	117	291	20	14	4,462	311
Zimbabwe	(328)	421	(422)	8,859	908	3,924	6	331	1	1	6,572	238
EUROPE	11,309	(26,553)	968,973	1,113,441	580,815	1,149,822	(1,253)	1,047	(2)	(2)	2,026	NA
Albania	58	477	7,550	26,893	(300)	1,752	0	393	0	0	21,487	X
Austria	(451)	(583)	106,888	97,582	6,138	7,821	(17)	(22)	(2)	(2)	0	NA
Belarus, Rep	X	2,243	X	X	X	X	0	82	0	0	1,833	66
Belgium (a)	2,687	2,658	23,904	(156,495)	68,649	403,580	(38)	(39)	(4)	(4)	0	0
Bosnia and Herzegovina	X	X	X	X	X	X	0	0	0	0	0	0
Bulgaria	(105)	36	(13,453)	17,386	3,941	(15,011)	0	100	0	0	1,335	2,822
Croatia, Rep	X	(178)	X	10,672	X	992	0	0	0	0	0	0
Czech Rep	X	153	X	X	X	(92,261)	0	0	0	0	0	0
Denmark	(248)	(1,921)	53,627	91,322	(16,968)	(178,887)	(16)	(19)	(3)	(3)	(366)	X
Estonia, Rep	X	219	X	3,331	X	140	0	140	0	0	0	0
Finland	503	(795)	1,133	8,227	1,293	2,355	0	0	0	0	(10,434)	(4,729)
France	(19,378)	(30,993)	326,807	31,227	(138,374)	(1,072,512)	(170)	(197)	(3)	(3)	(2,775)	(460)
Germany	5,642	(4,648)	114,199	195,530	119,075	689,258	(172)	(243)	(2)	(2)	(11,661)	(3,479)
Greece	(408)	(715)	(39,411)	(59,189)	10,135	38,228	0	(1)	0	0	0	0
Hungary	(1,417)	(1,881)	(133,450)	(203,448)	(46,177)	(193,482)	0	0	0	0	0	0
Iceland	21	22	1,601	2,687	334	240	0	0	0	0	0	0
Ireland	357	(2)	41,878	58,871	7,722	35,457	(4)	(8)	(1)	(1)	0	(1,000)
Italy	4,361	4,424	337,759	474,278	109,438	412,853	(85)	(138)	(2)	(1)	(22,336)	X
Latvia, Rep	X	57	X	105	X	(818)	0	208	0	0	0	0
Lithuania, Rep	X	327	X	169	X	X	0	227	0	0	0	0
Macedonia, former Yugoslav Rep	X	110	X	6,708	X	(883)	0	0	0	0	0	0
Moldova, Rep	X	104	X	X	X	X	0	24	0	0	0	0
Netherlands	3,454	2,760	(37,406)	(102,670)	248,157	736,787	(68)	(106)	(5)	(5)	(8,786)	(3,101)
Norway	596	254	(383)	19,307	5,720	4,668	(29)	(60)	(7)	(7)	(80)	(218)
Poland, Rep	5,024	703	114,824	68,482	1,171	(153,654)	139	317	4	4	6,843	434
Portugal	3,544	1,793	(35,245)	10,301	11,535	51,073	174	0	18	18	0	0
Romania	552	2,009	(69,683)	21,597	5,983	(533)	0	333	0	0	16,683	1,584
Russian Federation	X	25,554	X	155,481	X	(707)	0	377	0	0	25,557	20,255
Slovak Rep	X	20	X	X	X	X	0	0	0	0	0	0
Slovenia, Rep	X	542	X	X	X	1,486	0	0	0	0	0	0
Spain	5,767	2,365	(411,725)	(351,139)	74,406	546,079	(12)	(31)	(0)	(0)	(403)	0
Sweden	(867)	(921)	48,715	67,248	4,933	5,597	(104)	(127)	(12)	(12)	(14,070)	(101)
Switzerland	1,196	466	54,727	37,265	15,211	9,903	(23)	(70)	(4)	(3)	(370)	(2,823)
Ukraine	X	1,400	X	X	X	X	0	66	0	0	1	0
United Kingdom	(578)	(2,485)	397,880	719,738	79,192	(69,074)	(80)	(160)	(1)	(1)	(1,510)	(24)
Yugoslavia, Fed Rep	X	(915)	11	6,226	X	3,722	0	0	0	0	1,078	0

	Average Annual Net Trade in Food						Average Annual Donations or Receipts of Food Aid					
	Cereals		Oils		Pulses		Cereals		Oils		Milk	
	(000 metric tons)	(metric tons)	(metric tons)	(metric tons)	(metric tons)	(metric tons)	(000 metric tons)	Kg Per Capita	(metric tons)	(metric tons)		
	1981-83	1991-93	1981-83	1991-93	1981-83	1991-93	1980-82	1990-92	1980-82	1990-92	1990-92	1990-92
	(118,272)	(98,546)	(650,209)	896,088	(421,975)	(754,560)	(5,504)	(7,602)	(15)	(13)	(289,810)	(1,256)
NORTH & CENTRAL AMERICA												
Belize	6	17	0	147	123	(485)	0	0	0	0	0	0
Canada	(25,386)	(25,702)	(112,419)	(141,114)	(168,752)	(483,287)	(643)	(949)	(26)	(23)	(35,592)	(4,565)
Costa Rica	152	408	3,230	14,085	11,102	2,113	16	42	7	5	183	0
Cuba	2,044	1,655	72,906	121,273	109,628	116,000	0	2	0	0	457	3,734
Dominican Rep	371	811	59,756	88,934	(2,441)	14,940	84	9	14	12	11,247	783
El Salvador	176	325	9,772	34,778	920	7,531	61	99	13	11	8,708	2,905
Guatemala	161	419	9,115	49,721	1,079	5,711	11	177	2	1	3,475	2,144
Haiti	198	362	20,242	60,767	521	18,000	75	54	14	11	3,870	2,636
Honduras	82	190	7,938	(12,396)	(2,190)	(1,203)	32	101	9	6	1,839	1,185
Jamaica	403	440	6,580	11,085	479	1,292	79	231	36	33	1,042	1,214
Mexico	6,391	6,394	82,622	393,243	262,291	(14,735)	0	112	0	0	1,843	5,668
Nicaragua	152	135	14,278	32,017	8,992	3,312	77	113	27	20	29,986	3,031
Panama	85	175	20,279	22,589	6,178	4,576	2	1	1	1	7,721	0
Trinidad and Tobago	237	224	11,591	(700)	12,196	10,403	0	0	0	0	0	0
United States	(103,612)	(84,689)	42,576	664,374	(670,747)	(446,970)	(5,298)	(7,593)	(23)	(21)	(324,590)	(19,992)
SOUTH AMERICA	(7,616)	676	(1,422,461)	(2,774,328)	(11,316)	27,613	190	140	1	1	40,019	11,855
Argentina	(18,460)	(12,493)	(694,282)	(2,606,117)	(149,319)	(226,446)	(42)	(3)	(1)	(1)	0	0
Bolivia	314	348	9,001	(4,744)	1,047	(6,036)	83	231	15	12	2,707	2,217
Brazil	4,475	6,754	(1,182,042)	(673,227)	13,568	112,042	3	12	0	0	25	1,273
Chile	1,332	847	73,215	94,084	(56,451)	(60,648)	21	9	2	2	352	1,147
Colombia	789	1,331	104,932	57,664	63,760	88,283	4	9	0	0	248	113
Ecuador	346	431	34,832	50,412	804	2,649	8	52	1	1	1,084	1,772
Guyana	(31)	(42)	2,686	130	3,839	4,200	2	46	3	3	128	431
Paraguay	61	45	787	(25,201)	63	(1,176)	8	0	2	2	10	1,080
Peru	1,425	1,918	57,284	84,346	9,822	16,598	100	402	6	5	33,596	3,755
Suriname	(71)	(12)	3,596	6,199	2,333	2,333	0	12	0	0	1,833	0
Uruguay	(353)	(311)	(5,330)	9,745	937	3,513	2	7	1	1	37	67
Venezuela	2,547	1,860	194,238	265,050	97,861	91,705	0	0	0	0	0	0
ASIA	69,058	69,333	(651,617)	(2,125,261)	(106,821)	(388,978)	3,525	3,157	1	1	151,007	29,173
Afghanistan, Islamic State	84	172	2,000	3,033	(8,200)	(1,433)	111	86	7	7	918	X
Armenia	X	375	X	X	X	X	0	49	0	0	2,217	1,117
Azerbaijan	X	340	X	X	X	X	0	4	0	0	0	167
Bangladesh	1,541	1,412	126,031	298,636	2,470	71,462	1,074	1,143	12	10	10,193	94
Bhutan	9	36	0	249	0	0	1	4	1	1	408	222
Cambodia	131	65	1,800	0	0	0	124	57	19	14	1,805	0
China	18,134	5,894	93,521	1,747,970	(6,738)	(755,453)	(11)	123	(0)	(0)	2,549	7,803
Georgia, Rep	X	500	X	X	X	X	0	57	0	0	0	33
India	1,336	(179)	1,347,222	241,067	160,845	378,878	328	257	0	0	62,218	10,741
Indonesia	2,272	2,813	(344,622)	(1,566,942)	9,619	53,715	440	48	3	2	580	15
Iran, Islamic Rep	3,849	5,037	280,025	578,378	21,839	22,800	0	63	0	0	1,669	312
Iraq	3,023	1,793	167,262	131,574	49,475	25,667	0	66	0	0	1,831	539
Israel	1,521	2,075	409	32,429	16,738	25,005	14	1	3	3	0	0
Japan	23,965	27,451	258,394	436,721	214,511	197,547	(703)	(419)	(6)	(6)	(322)	(976)
Jordan	543	1,483	16,369	60,685	11,914	24,552	80	330	26	18	2,270	1,145
Kazakhstan, Rep	X	(4,300)	X	X	X	X	0	1	0	0	0	0
Korea, Dem People's Rep	354	1,210	10,717	34,220	0	0	0	0	0	0	0	0
Korea, Rep	6,526	10,719	64,473	315,245	7,729	39,375	431	0	11	10	0	0
Kuwait	331	236	7,103	27,604	8,888	6,872	0	0	0	0	0	0
Kyrgyz Rep	X	773	X	X	X	X	0	30	0	0	0	0
Lao People's Dem Rep	46	24	2,433	1,523	0	0	2	6	1	0	0	0
Lebanon	535	698	20,818	109,015	43,500	14,639	22	15	8	8	5,608	1,864
Malaysia	1,713	3,115	(2,736,030)	(6,010,144)	38,163	54,121	0	3	0	0	0	0
Mongolia	94	101	0	1,410	X	X	0	15	0	0	0	33
Myanmar	(762)	(231)	32,667	148,313	(82,833)	(355,000)	8	0	0	0	0	0
Nepal	35	25	5,546	27,739	(1,189)	(256)	30	8	2	2	406	682
Oman	159	329	3,437	20,928	1,187	7,937	0	0	0	0	0	0
Pakistan	(749)	720	478,900	991,687	78,007	172,212	257	284	3	2	53,716	0
Philippines	1,195	1,767	(944,154)	(919,811)	3,873	27,905	78	60	2	1	229	2,611
Saudi Arabia	4,758	4,332	120,500	221,346	32,551	42,699	(25)	(4)	(2)	(1)	0	0
Singapore	797	567	4,737	209,699	11,610	29,360	0	0	0	0	0	0
Sri Lanka	687	1,018	(15,561)	28,336	7,438	66,289	200	296	13	11	0	7
Syrian Arab Rep	726	1,255	23,228	41,451	(28,824)	(24,973)	42	19	5	3	1,303	2,321
Tajikistan, Rep	X	500	X	X	X	X	0	24	0	0	0	0
Thailand	(6,155)	(4,707)	42,655	10,256	(211,628)	(102,291)	10	80	0	0	2,005	4
Turkey	(776)	(2,477)	133,512	514,247	(520,957)	(472,574)	0	(15)	0	0	232	12
Turkmenistan, Rep	X	1,120	X	X	X	X	0	1	0	0	100	0
United Arab Emirates	266	330	26,562	49,344	12,245	25,893	0	0	0	0	0	0
Uzbekistan, Rep	X	4,078	X	X	X	X	0	0	0	0	0	0
Viet Nam	605	(1,312)	1,269	13,598	(8,233)	(9,393)	126	76	2	2	1,072	428
Yemen, Rep	X	X	25,224	112,535	X	X	0	0	X	X	0	0
OCEANIA	(12,306)	(12,407)	(31,004)	(23,383)	(60,029)	(527,732)	(382)	(303)	(17)	(14)	0	0
Australia	(12,658)	(13,099)	79,083	150,853	(25,936)	(482,063)	(390)	(303)	(26)	(23)	(1,260)	(613)
Fiji	86	106	(7,839)	2,084	4,178	4,828	5	0	8	7	0	0
New Zealand	12	180	23,214	53,076	(39,046)	(51,376)	0	0	0	0	0	(5)
Papua New Guinea	144	249	(87,012)	(193,198)	65	10	0	0	0	0	0	1
Solomon Islands	5	24	17,043	26,833	18	10	0	0	0	0	0	0

Sources: Food and Agriculture Organization of the United Nations and the United Nations Population Division.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium.

World and regional totals for net trade include some countries not listed here. Totals for food aid do not add because of rounding.

Imports and food aid receipts are shown as positive numbers; exports and food aid donations are shown as negative numbers in parentheses.

0 = zero or less than half the unit of measure; X = not available; negative numbers are shown in parentheses.

For additional information, see Sources and Technical Notes.

Sources and Technical Notes

Data Table 10.1
Food and Agricultural Production,
1982–94

Source: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995).

Indexes of agricultural production and food production portray the disposable output (after deduction for feed and seed) of a country's agriculture sector relative to the base period 1979–81. For a given year and country, the index is calculated as the disposable average output of a commodity in terms of weight or volume during the period of interest multiplied by the 1979–81 average national producer price per unit. The index represents the total value of the commodity for that period in terms of the 1979–81 price. The values of all crop and livestock products are totaled to yield an aggregated value of agricultural production in 1979–81 prices. The ratio of this aggregate for a given year to that for 1979–81 is multiplied by 100 to obtain the index number.

The multiplication of disposable outputs with the 1979–81 unit value eliminates inflationary or deflationary distortion. However, the base period's relative prices among the individual commodities are also preserved. Especially in economies with high inflation, price patterns among agricultural commodities can change dramatically over time.

The continental and world index values for a given year are calculated by totaling the disposable outputs of all relevant countries for each agricultural commodity. Each of these aggregates is multiplied by a respective 1979–81 average "international" producer price and is then summed to give a total agricultural output value for that region or for the world in terms of 1979–81 prices. This method avoids distortion caused by the use of international exchange rates.

The agricultural production index includes all crop and livestock products originating in each country. The food production index covers all edible agricultural products that contain nutrients. Coffee and tea are excluded.

Average production of cereals includes cereal production for feed and seed. Crop yields (*average yields of cereals* and *average yields of roots and tubers*) are calculated from production and area data. Area refers to the area harvested. Cereals comprise all cereals harvested for dry grain, exclusive of crops cut for hay or harvested green. Roots and tubers cover all root crops grown principally for human consumption; root crops grown principally for feed are excluded.

Data Table 10.2
Agricultural Inputs, 1981–93

Sources: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995). Per capita figures: United Nations Population Division, *Interpolated National Populations, 1950–2025 (The 1994 Revision)*, on diskette (U.N., New York, 1995).

Cropland refers to land under temporary and permanent crops, temporary meadows, market and kitchen gardens, and temporarily fallow land. Permanent cropland is land under crops that do not need to be replanted after each harvest, such as cocoa, coffee, fruit trees, rubber, and vines. Human population data used to calculate *hectares per capita* are for 1993. For trends in cropland area, see Data Table 9.1.

Irrigated land as a percentage of cropland refers to areas purposely provided with water, including land flooded by river water for crop production or pasture improvement, whether or not this area is irrigated several times or only once during the year.

Annual fertilizer use refers to the application of nutrients in terms of nitrogen (N), phosphate (P₂O₅), and potash (K₂O). The fertilizer year is July 1–June 30; data refer to the year beginning in July.

Tractors generally refer to wheeled and crawler tractors used in agriculture. Garden tractors are excluded. *Harvesters* refer to harvesters and threshers.

Data Table 10.3
Livestock Populations and Grain
Consumed as Feed, 1982–94

Sources: Livestock data: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995). Feed data: Economic Research Service, United States Department of Agriculture (USDA), *PS&D View*, on-line bulletin board service (USDA, Washington, D.C., 1995).

Data on livestock include all animals in the country, regardless of place or purpose of their breeding. Data on livestock numbers are collected annually by FAO; estimates are made by FAO for countries that either do not report data or only partially report data. *Equines* include horses, mules, and asses. For some countries, data on *chickens* include all poultry. *Grain fed to livestock as percent of total grain consumption* was calculated using USDA grain consumption and feed numbers. Grains include wheat, rice (milled weight), corn, barley, sorghum, millet, rye, oats, and

mixed grains. Grain consumption is the total domestic use during the local marketing year of the individual country. It is the sum of feed, food, seed, and industrial uses.

Data Table 10.4
Food Trade and Aid, 1981–93

Sources: Trade and food aid data: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995). Population data: United Nations Population Division, *Interpolated National Populations, 1950–2025 (The 1994 Revision)*, on diskette (U.N., New York, 1995).

Figures shown for food trade are *net* imports or exports. Exports were subtracted from imports.

Two definitions of trade are used by countries reporting trade data. "Special trade" refers only to imports for domestic consumption and exports of domestic goods. "General trade" encompasses total imports and total exports, including reexports. In some cases, trade figures include goods purchased by a country that are reexported to a third country without ever entering the purchasing country. For information on the definition used by a particular country, see *FAO Trade Yearbook 1994* (FAO, Rome, 1995).

Average annual donations or receipts of food aid are shown as either positive or negative numbers: receipts are shown as positive numbers; donations are expressed as negative numbers. For some countries that are both recipients and donors of food aid, donations were subtracted from receipts.

Trade in *cereals* includes wheat and wheat flour, rice, barley, maize, rye, and oats. Trade in *oils* includes oils from soybeans, groundnuts (peanuts), olives, cottonseeds, sunflower seeds, rape or mustard seeds, linseeds, palms, coconuts, palm kernels, castor beans, and maize, as well as animal oils, fats, and greases (including lard). Trade in *pulses* includes all kinds of dried leguminous vegetables, with the exception of vetches and lupins.

Food aid refers to the donation or concessional sale of food commodities. *Cereals* include wheat, rice, coarse grains, bulgur wheat, wheat flour, and the cereal component of blended foods. Cereal donations or receipts (*kilograms per capita*) are the result of dividing the 3-year averages by the population averages provided by the United Nations Population Division. *Oils* include vegetable oil and butter oil. *Milk* includes skimmed milk powder and other dairy products (mainly cheese).

Food aid data are reported by donor countries and international organizations.