

**Appendix table 1--China's grain area, yield, and production, 1991-96 1/**

Item	1991	1992	1993	1994	1995	1996
Million hectares						
Sown area						
Wheat	30.95	30.50	30.24	28.98	28.81	29.61
Rice	32.59	32.09	30.36	30.17	30.70	31.41
Coarse grains	27.21	26.28	25.76	26.09	27.33	29.08
Corn	21.57	21.04	20.69	21.15	22.77	24.50
Sorghum	1.39	1.30	1.34	1.37	1.22	1.28
Millet	2.08	1.87	1.83	1.67	1.52	1.45
Barley	1.62	1.53	1.36	1.40	1.28	1.30
Oats	0.55	0.54	0.54	0.50	0.54	0.55
Potatoes	9.08	9.06	9.22	9.27	9.52	9.80
Others 2/	12.48	12.63	14.93	15.03	13.51	12.46
Total 3/	112.31	110.56	110.51	109.54	109.87	112.36
Tons/hectare						
Yield 4/						
Wheat	3.10	3.33	3.52	3.43	3.54	3.73
Rice	5.64	5.80	5.85	5.83	6.03	6.21
Coarse grains	4.13	4.16	4.55	4.38	4.56	4.85
Corn	4.58	4.53	4.96	4.69	4.92	5.20
Sorghum	3.55	3.65	4.11	4.60	3.90	4.44
Millet	1.62	2.07	2.19	2.22	1.99	2.28
Barley	2.85	3.05	3.18	3.15	3.20	3.08
Oats	1.18	1.19	1.19	1.20	1.19	1.18
Potatoes	2.99	3.14	3.45	3.26	3.37	3.06
Others 2/	1.28	1.35	1.56	1.69	1.68	1.08
Total 3/	3.88	4.00	4.13	4.06	4.25	4.36
Million tons						
Production						
Wheat	96.00	101.59	106.39	99.30	102.00	110.31
Rice	183.81	186.22	177.70	175.93	185.21	195.10
Coarse grains	112.33	109.31	117.18	114.29	124.51	141.10
Corn	98.77	95.38	102.70	99.28	112.00	127.47
Sorghum	4.93	4.74	5.51	6.30	4.76	5.68
Millet	3.36	3.88	4.00	3.70	3.02	3.30
Barley	4.62	4.67	4.33	4.41	4.09	4.00
Oats	0.65	0.64	0.64	0.60	0.64	0.65
Potatoes 5/	27.16	28.44	31.81	30.25	32.12	30.00
Others 2/	15.99	17.10	23.36	25.33	22.73	13.49
Total 3/	435.29	442.66	456.44	445.10	466.57	490.00

1/ Data are official figures released by the SSB or the Ministry of Agriculture, except for 1996 individual coarse grains, potatoes, and other grains.

2/ Consists of soybeans, pulses, and other miscellaneous grains. All of these items are included in China's definition of total grains.

3/ PRC definition.

4/ Calculated from area and production figures.

5/ Converted to a grain-equivalent weight using a 5:1-conversion ratio.

Sources: China Agriculture Yearbook, 1989-96; China Statistical Yearbook, 1989-96; and China Statistics Abstract, 1997.

**Appendix table 2--China's 1996 provincial grain, cotton, oilseed, sugar crop, and red meat production**

Province	Grain 1/	Cotton	Oilseed crops	Sugar crops	Red meat
1,000 metric tons					
Northeast					
Heilongjiang	25,194	--	1,680	4,919	1,319
Liaoning	15,758	11	170	586	1,904
Jilin	22,119	--	217	702	1,309
North					
Shandong	38,360	372	3,093	16	4,294
Hebei	25,571	258	1,207	69	2,876
Beijing	2,318	3	29	--	276
Tianjin	1,992	5	31	--	178
Henan	34,333	736	2,785	205	3,714
Shanxi	9,342	72	373	660	661
Northwest					
Shaanxi	10,492	31	374	27	755
Gansu	6,908	26	431	1,191	628
Nei Monggol	13,017	--	814	3,207	921
Ningxia	2,356	--	79	465	110
Xinjiang	7,897	940	340	3,545	525
Qinghai	971	--	171	--	185
East					
Zhejiang	14,060	68	521	639	1,009
Jiangsu	3,301	54	1,475	229	2,280
Shanghai	2,224	4	162	67	283
Anhui	23,723	270	1,772	184	1,949
Central					
Hubei	22,887	430	1,818	856	2,760
Hunan	25,402	190	1,181	1,292	3,665
Jiangxi	16,641	123	1,010	1,858	1,955
South					
Guangdong	16,073	--	742	15,231	2,097
Guangxi	14,167	1	516	28,305	2,407
Fujian	7,778	--	230	2,539	1,172
Hainan	1,594	--	80	3,293	228
Southwest					
Sichuan	37,143	123	1,568	1,727	5,785
Guizhou	8,381	1	556	357	1,035
Yunnan	10,833	1	188	11,434	1,359
Xizang	--	--	--	--	119
<b>Total</b>	<b>450,543</b>	<b>4,203</b>	<b>22,071</b>	<b>83,602</b>	<b>47,722</b>

1/ This is the fourth year in which this publication lists "grains" (guwu) instead of "food grain" (liangshi). The narrowly defined "grain" (guwu) seems to exclude soybeans, potatoes, and other grains. Therefore, the provincial grain data in this table are not directly comparable with tables from previous years.

Source: 1997 China Statistics Abstract. This is the fourth year in which this publication

**Appendix table 3--China's oilseeds and cotton area, yield, and production, 1990-96**

Item	1990	1991	1992	1993	1994	1995	1996
Sown area:			1,000 hectares				
Cotton	5,588	6,539	6,835	5,000	5,530	5,422	4,722
Oilseeds, USDA 1/	22,272	23,382	23,825	23,857	25,118	25,078	23,760
Soybeans	7,560	7,041	7,221	9,454	9,222	8,127	7,800
Oilseeds, PRC 2/	10,901	11,569	11,499	11,143	12,089	13,101	12,537
Peanuts	2,907	2,880	2,986	3,380	3,778	3,809	3,770
Rapeseed	5,504	6,133	5,976	5,300	5,783	6,907	6,670
Sesameseed	669	680	746	753	690	642	594
Sunflowerseed	713	789	807	723	805	813	820
Other oilseeds 3/	1,108	1,087	984	987	1,033	930	683
Yield:			Kg/hectare				
Cotton	807	869	659	749	783	879	890
Oilseeds, USDA 1/	1,496	1,477	1,387	1,618	1,682	1,722	1,753
Cottonseed	1,372	1,477	1,121	1,332	1,393	1,557	1,601
Soybeans	1,455	1,379	1,426	1,619	1,735	1,661	1,731
Oilseeds, PRC 2/	1,480	1,416	1,427	1,619	1,646	1,718	1,760
Peanuts	2,191	2,188	1,994	2,491	2,563	2,678	2,690
Rapeseed	1,264	1,212	1,281	1,309	1,296	1,416	1,375
Sesameseed	701	640	692	748	794	908	na
Sunflowerseed	1,878	1,800	1,824	1,773	1,702	1,562	na
Other oilseeds 3/	901	729	831	845	778	ERR	na
Production:			1,000 tons				
Cotton 4/	4,507	5,683	4,507	3,745	4,333	4,768	4,202
Cotton (1,000 bales) 4/	20,700	26,100	20,700	17,200	19,900	21,900	19,300
Oilseeds, USDA 1/	33,330	34,526	33,038	38,610	42,248	43,187	41,660
Cottonseed	7,665	9,660	7,660	6,658	7,704	8,440	7,560
Soybeans	11,000	9,710	10,300	15,310	16,000	13,500	13,500
Oilseeds, PRC 2/	16,132	16,383	16,412	18,039	19,896	22,503	22,071
Peanuts	6,368	6,300	5,953	8,420	9,682	10,200	10,140
Rapeseed	6,958	7,436	7,653	6,940	7,492	9,777	9,170
Sesameseed	469	435	516	563	548	583	na
Sunflowerseeds	1,339	1,420	1,472	1,282	1,370	1,270	1,290
Other oilseeds 3/	998	792	818	834	804	673	na
Edible vegetable oil 5/	4,454	4,868	4,813	5,264	5,964	6,653	6,605
Available meal 5/	11,915	12,618	12,825	15,057	16,755	17,759	18,181

1/ Source: USDA PS&D database. Total oilseeds include soybeans, cottonseed, peanuts, rapeseed, and sunflowerseed. Area includes cotton.

2/ Source: China Statistical Yearbook, 1991-96. Total oilseeds exclude soybeans and cottonseed, but include other oilseeds.

3/ "Other oilseeds" are calculated as a residual and include mainly huma (an edible oil-bearing flaxseed) and castor beans; oil-bearing tree seeds are excluded.

4/ Cotton production is on a ginned-weight basis. 1 ton equals 4.592917 bales, and 1 bale equals 480 lbs.

5/ "Edible vegetable oil" and "Available meal" data come from the USDA PS&D database. Edible vegetable oil includes soyoil, cottonseed oil, peanut oil, rapeseed oil, and sunflowerseed oil.

**Appendix table 4--China's yearend livestock inventory and product output, 1990-96 1/**

Animal or Product	1990	1991	1992	1993	1994	1995	1996
<b>Yearend inventory:</b>							
	Million head						
Hogs	362	370	384	393	415	442	457
Large animals	130	132	135	140	149	159	167
Draft animals	76	77	78	81	85	88	91
Cattle	103	105	108	113	123	132	140
Dairy cows	3	3	3	3	4	4	na
Water buffalo	22	22	22	23	23	24	na
Horses	10	10	10	10	10	10	10
Mules	5	6	6	5	6	5	5
Donkeys	11	11	11	11	11	11	11
Camels	0	0	0	0	0	0	0
Sheep	113	111	110	112	117	127	133
Goats	97	95	98	106	123	150	171
Poultry 2/	2,900	3,250	na	na	3,740	4,109	na
<b>Number slaughtered:</b>							
	Million head						
Hogs	310	329	352	378	421	480	527
Cattle	11	13	15	19	25	30	na
Sheep and goats	89	98	103	112	131	165	na
Poultry 2,4/	2,392	2,824	3,193	3,978	5,128	6,302	na
<b>Slaughter rate: 3/</b>							
	Percent						
Hogs	88	91	95	98	107	116	119
Cattle	11	13	15	18	22	25	na
Sheep and goats	42	47	50	54	60	69	na
Poultry 2,4/	105	113	110	122	150	176	na
<b>Production:</b>							
	1,000 tons						
Red meat	25,135	27,238	29,406	32,253	36,927	42,653	47,721
Pork	22,811	24,523	26,353	28,544	32,048	36,484	40,375
Beef	1,256	1,535	1,803	2,336	3,270	4,154	4,946
Mutton	1,068	1,180	1,250	1,373	1,609	2,015	2,400
Poultry meat	3,229	3,950	4,542	5,736	7,552	9,347	na
Total milk	4,751	5,243	5,639	5,637	6,089	6,728	na
Cow's milk	4,157	4,644	5,031	4,987	5,288	5,764	6,158
Sheep and goat's milk	594	599	608	650	801	964	na
Sheep's wool	239	240	238	240	255	277	na
Mohair	17	16	17	19	25	30	na
Cashmere	6	6	6	6	7	8	na
Eggs	7,946	9,220	10,199	11,798	14,790	16,767	18,681

na = not available

1/ All data are official data from China's State Statistical Bureau or China's Ministry of Agriculture.

2/ Poultry includes chickens, ducks, and geese.

3/ Slaughter rate is slaughter divided by beginning inventory.

4/ Data for 1991 are estimates--not official China or USDA data.

Sources: China Statistical Yearbook, 1991-96; China Agricultural Yearbook, 1991-96; and China Statistics Abstract, 1997.

**Appendix table 5--China's major agricultural exports, by volume, 1991-96**

Item	Units	1991	1992	1993	1994	1995	1996
Swine, live	1,000 head	2,850	2,900	2,720	2,700	2,530	2,400
Poultry, live	1,000 head	47,520	51,770	51,270	52,300	52,630	53,770
Beef, fresh or frozen	Tons	132,040	30,000	20,000	20,000	20,000	30,000
Pork, fresh or frozen	Tons	116,635	50,000	60,000	100,000	150,000	130,000
Broiler, frozen	Tons	45,395	11,630	94,454	164,288	248,573	298,509
Rabbit meat, frozen	Tons	11,742	17,330	23,051	26,587	47,647	24,113
Eggs	Million pieces	605	635	425	486	358	520
Food grains	1,000 tons	10,860	12,020	13,270	11,040	640	1,240
Rice	1,000 tons	690	950	1,430	1,520	50	260
Corn (maize)	1,000 tons	7,780	10,310	11,100	8,740	110	160
Soybeans	1,000 tons	1,110	660	370	830	380	190
Fruit	Tons	163,563	na	na	na	na	na
Oranges	Tons	43,414	61,392	81,047	127,428	131,798	150,897
Apples	Tons	24,082	38,317	119,419	107,170	108,956	164,976
Walnuts, in shell	Tons	4,992	na	na	na	na	na
Walnut meat	Tons	8,245	9,841	17,384	10,839	9,255	13,217
Chestnuts	Tons	33,939	29,138	38,399	37,680	36,117	32,015
Sugar	Tons	343,315	1,670,019	1,853,257	946,549	480,425	664,783
Natural honey	Tons	69,958	91,745	96,538	102,102	86,991	83,461
Tea	Tons	184,872	175,525	201,435	179,679	166,572	169,662
Canned food	Tons	657,660	na	na	na	na	na
Pork	Tons	128,409	53,075	71,511	69,302	63,822	41,593
Vegetables	Tons	340,265	na	na	na	na	169,300
Fruit	Tons	99,102	na	na	na	na	na
Beer	1,000 liters	43,634	57,140	84,210	110,220	130,910	66,620
Flue-cured tobacco	Tons	60,937	47,850	58,676	59,020	56,570	51,705
Goatskin	1,000 pieces	2,410	310	14	na	na	na
Furskin, raw	1,000 pieces	1,620	980	2,150	na	na	na
Mink skin	1,000 pieces	850	620	1,280	na	na	na
Raw silk	Tons	7,919	8,899	8,664	13,049	12,710	12,101
Cotton	Tons	199,980	144,620	149,953	108,147	21,619	4,493
Cashmere	Tons	2,020	na	na	na	na	na
Rabbit hair	Tons	6,419	5,686	5,733	10,677	4,395	3,986
Oilseeds, edible	Tons	572,231	630,000	1,000,000	1,490,000	910,000	690,000
Peanuts, shelled and unshelled	Tons	427,640	300,000	320,000	480,000	390,000	350,000
Vegetable oil	Tons	99,334	67,846	136,095	270,267	516,748	473,465
Cotton yarn	Tons	187,035	162,945	198,714	194,877	179,895	142,033

na = not available.

Source: China's Customs Statistics, 1991-96.

**Appendix table 6--China's major agricultural exports, by value, 1991-96**

Item	1991	1992	1993	1994	1995	1996
			1,000\$US			
Swine, live	276,350	289,560	271,480	268,503	277,711	291,468
Poultry, live	82,040	93,340	90,340	105,446	125,344	120,617
Beef, fresh or frozen	203,850	38,850	27,850	30,813	33,907	51,240
Pork, fresh or frozen	185,660	76,420	62,670	128,376	245,347	214,863
Broilers, frozen	95,840	22,500	166,240	343,236	556,557	631,211
Rabbit meat, frozen	26,110	46,890	33,690	39,517	47,647	64,617
Eggs	27,820	24,470	15,420	18,080	16,666	25,315
Food grains	1,581,440	1,546,590	1,515,300	1,572,503	136,744	367,341
Rice	151,830	217,850	252,760	514,608	16,237	111,521
Corn (maize)	864,470	1,219,750	1,153,990	944,258	13,233	30,269
Soybeans	262,210	159,630	101,950	222,443	99,674	66,183
Fruit	78,700	na	na	na	na	na
Oranges	22,600	32,430	37,850	54,224	55,696	62,076
Apples	9,790	20,360	47,960	41,134	45,300	69,144
Walnuts, in shell	4,970	na	na	na	na	na
Walnut meat	19,280	24,320	41,570	27,414	25,172	38,100
Chestnuts	63,100	49,510	78,450	79,899	77,310	66,120
Sugar	120,650	620,050	596,220	321,372	187,096	247,794
Natural honey	61,390	80,060	70,200	75,016	87,484	110,655
Tea	376,060	361,890	355,680	294,339	274,748	282,500
Canned food	787,900	na	na	na	na	na
Pork	193,470	83,980	113,220	110,477	118,528	72,473
Vegetable	364,160	na	na	na	na	na
Fruit	76,670	na	na	na	na	na
Beer	25,920	31,900	41,640	41,118	53,084	31,791
Flue-cured tobacco	118,040	105,030	103,150	72,401	77,322	90,267
Goatskin	8,370	1,560	54	229	-	168
Furskin, raw	15,400	7,490	11,790	3,822	2,871	4,792
Mink skin	11,050	4,360	6,210	1,284	979	293
Raw silk	336,580	278,660	188,420	295,315	300,548	265,272
Cotton	360,960	210,590	190,070	149,102	46,800	12,482
Cashmere	163,860	na	na	na	na	na
Rabbit hair	105,220	110,250	110,250	136,963	71,088	67,544
Oilseeds, edible	448,470	279,600	407,350	635,318	494,270	452,431
Peanuts, shelled and unshelled	360,270	190,320	196,180	315,022	256,865	254,437
Vegetable oil	76,520	45,950	89,930	208,569	406,590	318,594
Cotton yarn	459,850	391,210	416,270	514,377	576,313	458,512

na = not available. - = negligible.

Source: China's Customs Statistics, 1991-96.

**Appendix table 7--China's major agricultural imports, by volume, 1991-96**

		1991	1992	1993	1994	1995	1996
Food grains	1,000 tons	13,450	11,620	7,330	9,040	20,400	10,830
Wheat	1,000 tons	12,370	10,580	6,420	7,180	11,590	8,250
Barley	1,000 tons	751,910	828,891	na	510	na	na
Rice	1,000 tons	140	100	100	0	1,640	760
Corn (maize)	1,000 tons	--	--	--	30	5,180	440
Dried beans	1,000 tons	20	30	na	na	na	na
Soybeans	1,000 tons	--	121	na	na	294	1,108
Sugar	Tons	1,013,763	1,100,000	450,000	1,550,000	2,950,000	1,250,000
Coffee & coffee beans	Tons	1,933	3,289	na	na	na	na
Cocoa beans	Tons	30,262	516	na	na	na	na
Natural rubber	Tons	306,161	270,000	270,000	340,000	320,000	550,000
Synthetic rubber	Tons	84,252	148,199	169,016	250,809	311,024	367,456
Logs	1,000 cubic meters	3,790	4,670	3,470	3,330	2,580	3,190
Cotton	Tons	370,524	280,000	10,000	500,000	740,000	650,000
Wool	Tons	106,243	208,995	237,459	319,086	283,668	226,213
Animal oil & fats	Tons	80,012	71,338	na	na	na	na
Edible vegetable oil	Tons	611,887	420,000	240,000	1,630,000	3,530,000	2,640,000
Other vegetable oil	Tons	1,091,734	650,000	840,000	1,580,000	200,000	120,000
Fertilizer, manufactured	1,000 Tons	18,175	18,590	10,210	12,660	19,910	18,570
Ammonia sulphate	Tons	253,203	54,746	na	na	na	na
Urea	Tons	7,005,128	7,480,000	3,610,000	3,130,000	6,960,000	6,010,000
Superphosphates	Tons	202,542	215,973	na	na	na	na
Potassium chloride	Tons	2,432,214	2,440,000	570,000	2,850,000	3,860,000	3,440,000
Compound fertilizer	Tons	7,033,791	6,540,000	3,560,000	5,140,000	7,300,000	7,210,000
Pesticides	Tons	31,211	39,304	24,061	31,830	34,712	32,111

na = not available. -- = negligible.

Source: China's Customs Statistics, 1991-96.

**Appendix table 8--China's major agricultural imports, by value, 1991-96**

Item	1991	1992	1993	1994	1995	1996
	U.S. \$1,000					
Food grain	1,642,740	1,705,020	1,004,920	1,272,574	3,607,139	2,575,328
Wheat	1,459,540	1,503,730	834,080	942,527	2,026,390	1,890,369
Barley	110,236	134,258	na	na	na	
Rice	39,840	39,050	34,970	141,488	433,551	286,467
Corn (maize)	130	100	180	179	816,077	73,056
Dried beans	6,750	8,206	na	na	na	na
Soybeans	260	28	na	na	na	na
Sugar	256,270	255,300	110,940	407,859	897,581	393,088
Coffee and coffee beans	6,770	4,738	na	na	na	na
Cocoa beans	34,840	942	na	na	na	na
Natural rubber	261,240	230,830	219,800	330,910	422,070	720,255
Synthetic rubber	127,970	176,090	198,050	251,057	327,100	396,851
Logs	454,310	495,540	459,130	430,372	368,372	457,780
Cotton	630,650	429,780	15,980	880,147	1,377,819	1,196,219
Wool	350,480	774,060	701,260	793,797	944,137	851,146
Animal oil and fats	29,150	25,713	na	na	na	na
Edible vegetable oils	289,090	195,010	118,290	986,339	2,315,548	1,493,042
Other vegetable oils	401,140	258,850	338,210	757,955	116,004	78,199
Fertilizer (manufactured)	3,229,490	3,003,700	1,479,150	1,938,248	3,741,502	3,563,239
Ammonia sulphate	16,780	3,775	na	na	na	na
Urea	1,216,430	1,148,320	457,650	423,096	1,426,975	1,242,021
Superphosphates	32,860	37,626	na	na	na	na
Potassium chloride	294,242	279,820	130,050	306,192	437,795	386,648
Compound fertilizer	148,187	1,244,570	594,570	972,019	1,616,783	1,660,673
Pesticides	183,144	203,650	122,360	137,198	159,743	137,547

na = not available.

Source: China's Customs Statistics, 1991-96.



**Appendix table 9--U.S. agricultural exports to China, FY 1991/92-1994/95 and CY 1992-96 1/**

Item	Fiscal Year (FY)				Calendar Year (CY)				
	1991/92	1992/93	1993/94	1994/95	1992	1993	1994	1995	1996
1,000 tons									
Wheat	4,226	2,187	2,357	3,823	2,982	2,717	1,913	3,649	2,267
Corn	0	0	0	3,989	0	0	36	5,357	108
Tobacco	0	0	0	--	0	1	1	162	54
Cattle hides, whole 2/	162	163	582	1,332	127	207	709	1,564	1,719
Soybeans	136	61	70	0	136	98	33	199	1,495
Cotton	172	--	304	471	133	--	401	466	416
Vegetable oils	21	2	99	603	20	1	225	549	212
1,000\$US									
Wheat	369,727	238,252	203,504	510,845	272,951	278,391	166,228	499,791	437,326
Corn	0	0	0	454,176	0	0	3,510	629,253	13,815
Tobacco	0	0	0	767	0	0	0	767	250
Cattle hides, whole	7,341	8,216	31,386	77,721	6,240	10,370	40,082	87,590	91,569
Soybeans	29,682	13,931	17,714	0	29,682	22,999	8,645	50,657	414,476
Cotton	240,643	158	496,552	805,818	185,943	179	644,986	828,811	727,497
Vegetable oils	9,161	1,454	56,900	392,760	7,880	270	132,715	358,633	111,199
Others	34,368	60,041	71,215	370,968	41,164	63,791	84,208	177,498	295,868
Million\$US									
Total agriculture	691	376	877	2,413	545	376	1,080	2,633	2,092
Total nonagriculture	6,188	8,763	5,516	7,802	6,794	8,243	8,207	7,802	9,886
Total	6,879	8,564	10,367	10,215	7,339	8,619	9,287	10,435	11,978

na = not available. -- = negligible.

1/ U.S. domestic exports, f.a.s.-value basis. Exports include agricultural product transshipments through Canada.

2/ Numbers in thousands.

Sources: U.S. Bureau of the Census, U.S. export data; and USDA FATUS database.





**Appendix table 12--China's  
average \$U.S. exchange  
rate, 1987-96**

Year	Average exchange rate
	RMB/\$US
1987	3.7221
1988	3.7221
1989	3.7651
1990	4.7832
1991	5.3234
1992	5.5146
1993	5.7620
1994	8.6200
1995	8.3000
1996	8.2200

Source: IMF International  
Financial Statistics, various  
issues.