

CHAPTER I

STATISTICS OF GRAIN AND FEED

This chapter contains tables for wheat, rye, rice, corn, oats, barley, sorghum grain, and feedstuffs. Estimates are given of area, production, disposition, supply and disappearance, prices, value of production, stocks, foreign production and trade, price-support operations, animal units fed, and feed consumed by livestock and poultry.

Table 1-1.—Total grain: Supply and disappearance, United States, 1989–98¹

Year ²	Supply				Disappearance			Ending stocks
	Beginning stocks	Production	Imports	Total	Domestic use	Exports	Total disappearance	
	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>
1989	86.5	284.0	2.3	372.7	204.4	106.8	311.3	61.4
1990	61.4	312.1	2.8	376.3	220.0	83.9	303.8	72.5
1991	72.5	279.7	3.8	356.0	220.3	87.6	307.9	48.2
1992	48.2	352.7	3.6	404.5	233.7	91.5	325.2	79.3
1993	79.3	258.8	7.3	345.4	224.2	77.2	301.4	44.0
1994	44.0	355.6	6.3	405.9	246.1	99.2	345.3	60.5
1995	60.5	277.3	5.0	342.9	216.5	100.5	317.1	25.8
1996	25.8	335.5	5.9	367.2	244.5	82.3	326.9	40.3
1997	40.3	336.3	5.9	382.5	245.9	77.5	323.4	59.1
1998 ³	59.1	349.4	6.3	414.8	248.5	88.2	336.7	78.1

¹ Aggregate data on corn, sorghum, barley, oats, wheat, rye, and rice. ² The marketing year for corn and sorghum begins September 1; for oats, barley, wheat, and rye, June 1; and for rice, August 1. ³ Preliminary. Totals may not add due to independent rounding.

ERS, Market and Trade Economics Division, (202) 694–5296.

Table 1-2.—Wheat: Area, yield, production, and value, United States, 1990–99

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990	77,041	69,103	39.5	2,729,778	2.61	7,166,888
1991	69,881	57,803	34.3	1,980,139	3.00	5,954,912
1992	72,219	62,761	39.3	2,466,798	3.24	8,009,711
1993	72,168	62,712	38.2	2,396,440	3.26	7,647,527
1994	70,349	61,770	37.6	2,320,981	3.45	7,968,237
1995	69,031	60,955	35.8	2,182,708	4.55	9,787,766
1996	75,105	62,819	36.3	2,277,388	4.30	9,782,238
1997	70,412	62,840	39.5	2,481,466	3.38	8,286,741
1998	65,821	59,002	43.2	2,547,321	2.65	6,780,623
1999	62,814	53,909	42.7	2,302,443	2.55	5,903,501

¹ Includes area seeded in preceding fall for winter wheat. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

NASS, Crops Branch, (202) 720–2127.

Table 1-3.—Wheat, by type: Area, yield, production, and value, United States, 1990–99

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested				
Winter wheat						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990	56,748	49,721	40.7	2,024,224	2.62	5,376,551
1991	51,024	39,506	34.7	1,371,617	2.92	4,009,797
1992	50,922	42,123	38.2	1,609,284	3.24	5,226,189
1993	51,587	43,811	40.2	1,760,143	3.03	5,287,607
1994	49,197	41,355	40.2	1,661,943	3.37	5,578,351
1995	48,591	40,987	37.7	1,545,303	4.41	6,720,901
1996	51,445	39,574	37.1	1,469,618	4.33	6,396,217
1997	47,985	41,340	44.6	1,845,528	3.23	5,948,655
1998	46,449	40,126	46.9	1,880,773	2.52	4,740,361
1999	43,431	35,572	47.8	1,699,989	2.40	4,059,968
Durum wheat						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990	3,570	3,507	34.9	122,430	2.63	318,922
1991	3,253	3,197	32.5	103,957	2.82	300,621
1992	2,547	2,519	39.7	99,906	3.05	306,498
1993	2,241	2,100	33.6	70,476	4.48	324,049
1994	2,823	2,715	35.6	96,747	4.62	449,041
1995	3,436	3,356	30.5	102,280	5.65	567,541
1996	3,630	3,556	32.6	116,090	4.67	541,993
1997	3,310	3,177	27.6	87,783	4.92	422,497
1998	3,805	3,728	37.0	138,119	3.15	452,860
1999	4,035	3,569	27.8	99,322	2.75	298,676
Other spring wheat ³						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990	16,723	15,875	36.7	583,124	2.58	1,471,415
1991	15,604	15,100	33.4	504,565	3.15	1,644,494
1992	18,750	18,119	41.8	757,608	3.29	2,477,024
1993	18,340	16,801	33.7	565,821	3.58	2,035,871
1994	18,329	17,700	31.8	562,291	3.42	1,940,845
1995	17,004	16,612	32.2	535,125	4.59	2,499,324
1996	20,030	19,689	35.1	691,680	4.20	2,844,028
1997	19,117	18,323	29.9	548,155	3.53	1,915,589
1998	15,567	15,148	34.9	528,469	3.00	1,587,402
1999	15,348	14,768	34.1	503,132	3.00	1,544,857

¹Seeded in preceding fall for winter wheat. ²Obtained by weighting State prices by quantity sold. ³Includes small quantities of durum wheat grown in other States.

NASS, Crops Branch, (202) 720-2127.

Table 1-4.—Wheat: Stocks on and off farms, United States, 1990–99

Year beginning September	All wheat							
	On farms				Off farms ¹			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1990	1,000,000	763,200	532,920	341,210	1,411,088	1,146,734	864,761	526,924
1991	840,000	566,800	277,550	144,605	1,214,736	881,000	614,425	330,416
1992	990,400	672,000	378,000	183,820	1,130,165	919,735	670,291	346,832
1993	987,000	653,100	363,200	175,255	1,145,607	932,634	664,787	393,229
1994	859,800	570,550	335,250	163,410	1,209,694	920,554	633,949	343,175
1995	743,600	477,000	220,550	74,610	1,137,499	861,267	602,914	301,410
1996	824,500	584,150	320,750	154,560	899,696	634,660	501,069	289,047
1997	794,350	604,000	399,920	224,210	1,281,998	1,015,242	766,644	498,268
1998	885,720	680,200	471,220	277,710	1,499,595	1,215,481	979,191	668,208
1999	888,060	648,800	NA	NA	1,556,983	1,230,184	NA	NA

Year beginning September	Durum wheat ²							
	On farms				Off farms ¹			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1990	100,050	86,315	58,759	43,353	31,330	25,811	23,679	18,862
1991	94,160	77,460	56,279	35,700	33,897	24,139	23,046	19,162
1992	92,490	77,190	53,615	33,022	20,905	25,456	24,876	15,965
1993	83,950	50,500	21,645	11,022	20,918	26,398	19,853	16,836
1994	74,220	44,428	26,060	12,240	17,526	21,113	16,801	13,752
1995	72,560	47,220	27,250	12,470	24,655	23,886	21,311	12,931
1996	79,700	66,100	33,100	17,800	22,410	19,541	21,855	12,938
1997	51,000	37,000	22,000	13,380	36,712	30,280	20,473	12,448
1998	88,000	75,300	58,200	37,500	37,908	33,300	30,372	17,302
1999	96,900	74,000	NA	NA	39,830	34,449	NA	NA

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. ² Included in all wheat. NA-not available.

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Table 1-5.—Wheat: Supply and disappearance, United States, 1989–98

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports ¹	Total	Domestic use				Exports ¹	Total disappearance		
					Food	Seed	Feed ²	Total				
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
1989	702	2,037	22	2,761	749	104	139	992	1,232	2,224	536	
1990	536	2,730	36	3,303	790	93	482	1,365	1,069	2,435	868	
1991	868	1,980	41	2,889	789	98	244	1,132	1,282	2,414	475	
1992	475	2,467	70	3,012	835	99	194	1,128	1,354	2,481	531	
1993	531	2,396	109	3,036	872	96	272	1,240	1,228	2,467	568	
1994	568	2,321	92	2,981	853	89	344	1,287	1,188	2,475	507	
1995	507	2,183	68	2,757	883	103	154	1,140	1,241	2,381	376	
1996	376	2,277	92	2,746	891	102	308	1,301	1,002	2,302	444	
1997	444	2,481	95	3,020	914	92	251	1,257	1,040	2,298	722	
1998 ³	722	2,547	103	3,373	907	81	397	1,384	1,042	2,427	946	

¹ Imports and exports include flour and other products expressed in wheat equivalent. ² Residual, approximates feed use and includes negligible quantities used for distilled spirits. ³ Preliminary. Totals may not add due to independent rounding.

ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-6.—Wheat: Supply and disappearance, by class, United States, 1995–98¹

Item	Year beginning June				Item	Year beginning June			
	1995	1996	1997	1998		1995	1996	1997	1998
	Million bushels	Million bushels	Million bushels	Million bushels		Million bushels	Million bushels	Million bushels	Million bushels
All wheat:					Hard red spring:				
Stocks, June 1	507	376	444	722	Stocks, June 1	193	106	166	220
Production	2,183	2,277	2,481	2,547	Production	475	631	491	486
Supply ²	2,757	2,746	3,020	3,373	Supply ²	698	790	714	765
Exports ³	1,241	1,002	1,040	1,042	Exports ³	330	300	240	245
Domestic disappearance	1,140	1,301	1,257	1,385	Domestic disappearance	262	324	254	287
Stocks, May 31	376	444	722	946	Stocks, May 31	106	166	220	233
Hard red winter:					Durum:				
Stocks, June 1	194	154	143	307	Stocks, June 1	26	25	31	26
Production	825	759	1,098	1,179	Production	102	116	88	138
Supply ²	1,019	914	1,242	1,487	Supply ²	147	165	148	197
Exports ³	384	286	358	452	Exports ³	39	38	57	44
Domestic disappearance	481	485	577	600	Domestic disappearance	82	96	65	98
Stocks, May 31	154	143	307	435	Stocks, May 31	25	31	26	55
Soft red winter:					White:				
Stocks, June 1	37	35	45	80	Stocks, June 1	57	55	59	90
Production	456	420	472	443	Production	325	352	332	301
Supply ²	492	455	517	523	Supply ²	401	422	399	401
Exports ³	250	140	180	103	Exports ³	238	237	205	198
Domestic disappearance	207	270	257	284	Domestic disappearance	108	126	104	116
Stocks, May 31	35	45	80	136	Stocks, May 31	55	59	90	87

¹ Data except production are approximations. ² Total supply includes imports. ³ Imports and exports include flour and products in wheat equivalent.

ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-7.—Wheat: Area, yield, and production, by States, 1997–99

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1997	1998	1999	1997	1998	1999	1997	1998	1999	1997	1998	1999
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL	130	120	140	90	85	90	42.0	42.0	48.0	3,780	3,570	4,320
AZ	100	153	86	98	152	85	89.5	104.2	97.9	8,775	15,840	8,325
AR	880	980	970	820	900	920	48.0	51.0	56.0	39,360	45,900	51,520
CA	655	680	590	544	555	455	76.6	69.5	83.0	41,680	38,550	37,785
CO	3,053	2,812	2,653	2,750	2,610	2,450	32.8	39.6	43.8	90,100	103,470	107,200
DE	75	75	75	73	73	70	73.0	51.0	57.0	5,329	3,723	3,990
FL	20	15	16	17	13	9	39.0	43.0	40.0	663	559	360
GA	400	290	300	350	240	225	44.0	43.0	43.0	15,400	10,320	9,675
ID	1,500	1,350	1,420	1,430	1,280	1,350	79.6	80.0	77.4	113,830	102,410	104,520
IL	1,150	1,250	1,050	1,090	1,200	1,010	61.0	48.0	60.0	66,490	57,600	60,600
IN	700	700	550	630	650	510	58.0	55.0	66.0	36,540	35,750	33,660
IA	27	40	40	25	32	31	42.0	44.0	43.0	1,050	1,408	1,333
KS	11,400	10,700	10,000	10,900	10,100	9,200	46.0	49.0	47.0	501,400	494,900	432,400
KY	650	750	650	420	550	410	54.0	45.0	60.0	22,680	24,750	24,600
LA	130	100	110	115	90	105	37.0	44.0	47.0	4,255	3,960	4,935
MD	215	225	215	210	215	200	68.0	50.0	60.0	14,280	10,750	12,000
MI	530	600	610	520	570	600	62.0	54.0	69.0	32,240	30,780	41,400
MN	2,520	2,015	2,045	2,415	1,982	1,990	32.0	40.6	39.8	77,300	80,444	79,210
MS	200	160	180	175	150	165	43.0	45.0	50.0	7,525	6,750	8,250
MO	1,150	1,350	980	1,080	1,250	920	54.0	46.0	48.0	58,320	57,500	44,160
MT	6,150	5,650	5,560	5,840	5,280	5,320	31.1	32.0	29.0	181,540	168,790	154,310
NE	2,000	1,900	2,000	1,900	1,800	1,800	37.0	46.0	48.0	70,300	82,800	86,400
NV	21	16	17	19	14	15	98.7	88.6	91.7	1,875	1,240	1,375
NJ	40	48	42	38	44	33	60.0	52.0	56.0	2,280	2,288	1,848
NM	430	415	445	285	265	270	35.0	30.0	38.0	9,975	7,950	10,260
NY	135	140	130	130	130	125	56.0	54.0	65.0	7,280	7,020	8,125
NC	730	730	650	670	680	580	51.0	41.0	49.0	34,170	27,880	28,420
ND	11,625	9,770	9,410	11,095	9,610	8,657	24.3	32.0	28.0	269,290	307,700	242,109
OH	1,180	1,200	1,050	1,090	1,160	1,030	63.0	64.0	70.0	68,670	74,240	72,100
OK	6,700	6,600	6,400	5,300	5,100	4,300	32.0	39.0	35.0	169,600	198,900	150,500
OR	955	910	870	935	885	783	64.6	65.0	44.3	60,390	57,490	34,659
PA	180	195	195	175	190	190	52.0	51.0	54.0	9,100	9,690	10,260
SC	310	265	225	300	240	220	50.0	32.0	43.0	15,000	7,680	9,460
SD	4,020	3,425	3,105	3,419	3,294	3,024	28.7	36.7	39.9	98,013	120,884	120,582
TN	550	570	500	360	370	340	45.0	41.0	54.0	16,200	15,170	18,360
TX	6,300	6,100	6,200	4,100	3,900	3,400	29.0	35.0	36.0	118,900	136,500	122,400
UT	195	179	176	189	173	170	46.3	51.1	52.6	8,742	8,834	8,940
VA	280	280	280	260	245	240	67.0	45.0	57.0	17,420	11,025	13,680
WA	2,690	2,670	2,525	2,580	2,565	2,290	64.0	61.4	54.2	165,120	157,425	124,140
WV	13	11	11	9	8	7	54.0	57.0	57.0	486	456	399
WI	163	148	133	152	142	127	56.1	53.8	58.9	8,531	7,635	7,480
WY	260	234	210	242	210	193	31.4	32.3	33.1	7,587	6,790	6,393
US	70,412	65,821	62,814	62,840	59,002	53,909	39.5	43.2	42.7	2,481,466	2,547,321	2,302,443

¹ Includes area planted preceding fall.
NASS, Crops Branch, (202) 720-2127.

Table 1-8.—Wheat, by type: Area, yield, and production, by States, 1997–99

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1997	1998	1999	1997	1998	1999	1997	1998	1999	1997	1998	1999
Winter wheat												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL	130	120	140	90	85	90	42.0	42.0	48.0	3,780	3,570	4,320
AZ	10	8	11	9	8	10	85.0	90.0	105.0	765	720	1,050
AR	880	980	970	820	900	920	48.0	51.0	56.0	39,360	45,900	51,520
CA	510	500	500	400	380	370	70.0	60.0	78.0	28,000	22,800	28,860
CO	3,000	2,750	2,600	2,700	2,550	2,400	32.0	39.0	43.0	86,400	99,450	103,200
DE	75	75	75	73	73	70	73.0	51.0	57.0	5,329	3,723	3,990
FL	20	15	16	17	13	9	39.0	43.0	40.0	663	559	360
GA	400	290	300	350	240	225	44.0	43.0	43.0	15,400	10,320	9,675
ID	910	820	780	860	770	710	80.0	82.0	76.0	68,800	63,140	53,980
IL	1,150	1,250	1,050	1,090	1,200	1,010	61.0	48.0	60.0	66,490	57,600	60,600
IN	700	700	550	630	650	510	58.0	55.0	66.0	36,540	35,750	33,660
IA	27	40	40	25	32	31	42.0	44.0	43.0	1,050	1,408	1,333
KS	11,400	10,700	10,000	10,900	10,100	9,200	46.0	49.0	47.0	501,400	494,900	432,400
KY	650	750	650	420	550	410	54.0	45.0	60.0	22,680	24,750	24,600
LA	130	100	110	115	90	105	37.0	44.0	47.0	4,255	3,960	4,935
MD	215	225	215	210	215	200	68.0	50.0	60.0	14,280	10,750	12,000
MI	530	600	610	520	570	600	62.0	54.0	69.0	32,240	30,780	41,400
MN	65	60	40	60	57	35	32.0	27.0	30.0	1,920	1,539	1,050
MS	200	160	180	175	150	165	43.0	45.0	50.0	7,525	6,750	8,250
MO	1,150	1,350	980	1,080	1,250	920	54.0	46.0	48.0	58,320	57,500	44,160
MT	1,600	1,400	1,050	1,450	1,250	970	38.0	39.0	38.0	55,100	48,750	36,860
NE	2,000	1,900	2,000	1,900	1,800	1,800	37.0	46.0	48.0	70,300	82,800	86,400
NV	15	7	11	14	6	10	100.0	100.0	95.0	1,400	600	950
NJ	40	48	42	38	44	33	60.0	52.0	56.0	2,280	2,288	1,848
NM	430	415	445	285	265	270	35.0	30.0	38.0	9,975	7,950	10,260
NY	135	140	130	130	130	125	56.0	54.0	65.0	7,280	7,020	8,125
NC	730	730	650	670	680	580	51.0	41.0	49.0	34,170	27,880	28,420
ND	75	70	60	65	60	57	22.0	35.0	37.0	1,430	2,100	2,109
OH	1,180	1,200	1,050	1,090	1,160	1,030	63.0	64.0	70.0	68,670	74,240	72,100
OK	6,700	6,600	6,400	5,300	5,100	4,300	32.0	39.0	35.0	169,600	198,900	150,500
OR	830	810	710	815	790	630	66.0	67.0	47.0	53,790	52,930	29,610
PA	180	195	195	175	190	190	52.0	51.0	54.0	9,100	9,690	10,260
SC	310	265	225	300	240	220	50.0	32.0	43.0	15,000	7,680	9,460
SD	1,650	1,500	1,300	1,150	1,420	1,260	30.0	43.0	47.0	34,500	61,060	59,220
TN	550	570	500	360	370	340	45.0	41.0	54.0	16,200	15,170	18,360
TX	6,300	6,100	6,200	4,100	3,900	3,400	29.0	35.0	36.0	118,900	136,500	122,400
UT	170	155	150	165	150	145	46.0	50.0	52.0	7,590	7,500	7,540
VA	280	280	280	260	245	240	67.0	45.0	57.0	17,420	11,025	13,680
WA	2,250	2,200	1,900	2,150	2,100	1,670	66.0	65.0	58.0	141,900	136,500	96,860
WV	13	11	11	9	8	7	54.0	57.0	57.0	486	456	399
WI	155	140	125	145	135	120	57.0	55.0	60.0	8,265	7,425	7,200
WY	240	220	200	225	200	185	31.0	32.0	33.0	6,975	6,400	6,105
US	47,985	46,449	43,431	41,340	40,126	35,572	44.6	46.9	47.8	1,845,528	1,880,733	1,699,989
Durum wheat												
AZ	90	145	75	89	144	75	90.0	105.0	97.0	8,010	15,120	7,275
CA	145	180	90	144	175	85	95.0	90.0	105.0	13,680	15,750	8,925
MN	5	5	5	5	5	5	36.0	37.0	32.0	180	185	160
MT	300	450	360	290	430	350	26.0	28.0	27.0	7,540	12,040	9,450
ND	2,750	3,000	3,450	2,630	2,950	3,000	22.0	32.0	24.0	57,860	94,400	72,000
SD	20	25	55	19	24	54	27.0	26.0	28.0	513	624	1,512
US	3,310	3,805	4,035	3,177	3,728	3,569	27.6	37.0	27.8	87,783	138,119	99,322
Other spring wheat												
CO	53	62	53	50	60	50	74.0	67.0	80.0	3,700	4,020	4,000
ID	590	530	660	570	510	640	79.0	77.0	79.0	45,030	39,270	50,560
MN	2,450	1,950	2,000	2,350	1,920	1,950	32.0	41.0	40.0	75,200	78,720	78,000
MT	4,250	3,800	4,150	4,100	3,600	4,000	29.0	30.0	27.0	118,900	108,000	108,000
NV	6	9	6	5	8	5	95.0	80.0	85.0	475	640	425
ND	8,800	6,700	5,900	8,400	6,600	5,600	25.0	32.0	30.0	210,000	211,200	168,000
OR	125	100	160	120	95	153	55.0	48.0	33.0	6,600	4,560	5,049
SD	2,350	1,900	1,750	2,250	1,850	1,710	28.0	32.0	35.0	63,000	59,200	59,850
UT	25	24	26	24	23	25	48.0	58.0	56.0	1,152	1,334	1,400
WA	440	470	625	430	465	620	54.0	45.0	44.0	23,220	20,925	27,280
WI	8	8	8	7	7	7	38.0	30.0	40.0	266	210	280
WY	20	14	10	17	10	8	36.0	39.0	36.0	612	390	288
US	19,117	15,567	15,348	18,323	15,148	14,768	29.9	34.9	34.1	548,155	528,469	503,132

¹ Includes area planted preceding fall.

NASS, Crops Branch, (202) 720-2127.

Table 1-9.—Wheat: Support operations, United States, 1990–99

Marketing year beginning June 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan ⁴		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year ⁶
		Loan ²	Target ³	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1990/91	1.28	1.95	4.00	405	14.8	90	163
1991/92 ⁷	1.35	2.04	4.00	143	7.2	1	152
1992/93	0.81	2.21	4.00	240	9.7	0	150
1993/94	1.03	2.45	4.00	258	10.8	0	150
1994/95	0.61	2.58	4.00	231	10.0	0	142
1995/96	0.00	2.58	4.00	114	5.2	0	118
1996/97	0.874	2.58	NA	194	8.5	0	93
1997/98	0.631	2.58	NA	264	10.6	2	94
1998/99	0.663	2.58	NA	361	14.2	30	128
1999/2000	0.637	2.58	NA	.....	.....	.....	.....

¹ Payment rates for the 1995/96 and prior crop years were calculated according to the provisions of the now defunct deficiency payment/production adjustment program. Payment rates for the 1996/97 and subsequent crops are calculated according to the provisions of the Production Flexibility Contract (PFC) program, following enactment of the Federal Agriculture Improvement and Reform Act of 1996 (1996 Act). PFC payment rates are rounded to the nearest tenth of a cent. ² The national average loan rate was also known as the price support rate prior to enactment of the 1996 Act. ³ Beginning with the 1996/97 marketing year, target prices are no longer applicable. ⁴ Represents loans made, purchases, and purchase agreements entered into. Purchases and purchase agreements are no longer authorized for the 1996 and subsequent crops following enactment of the 1996 Act. ⁵ Acquisition of all loans forfeited during the marketing year including loans made in previous year. ⁶ Includes 147 million bushels in Food Security Reserve, except 131 million bushels in 1988/89, 71 million bushels in 1989/90 and 141 bushels in 1994/95. ⁷ The deficiency payment rate for the special 1991 winter wheat option was \$1.25 per bushel but is not shown above; the entry shown is for the 1991 standard wheat option. NA-not applicable. FSA, Food Grains Analysis Group, (202) 720-4146.

Table 1-10.—Wheat: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per bushel			Value of production		
	1997	1998	1999 ¹	1997	1998	1999 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL	3.20	2.65	2.40	12,096	9,461	10,368
AZ	4.70	4.40	4.10	40,745	70,380	33,136
AR	3.49	2.73	2.25	137,366	125,307	115,920
CA	3.82	3.02	2.90	162,430	127,811	114,277
CO	3.17	2.49	2.50	285,580	257,118	267,600
DE	3.07	2.35	2.20	16,360	8,749	8,778
FL	3.40	2.50	2.45	2,254	1,398	882
GA	3.19	2.60	2.30	49,126	26,832	22,253
ID	3.12	2.38	2.85	355,150	241,741	297,542
IL	3.14	2.35	2.10	208,779	135,360	127,260
IN	3.18	2.36	2.15	116,197	84,370	72,369
IA	3.16	2.73	1.60	3,318	3,872	2,133
KS	3.16	2.53	2.35	1,584,424	1,252,097	1,016,140
KY	3.24	2.26	2.15	73,483	55,935	52,890
LA	3.50	2.75	2.30	14,893	10,890	11,351
MD	3.15	2.37	2.25	44,982	25,478	27,000
MI	3.26	2.33	2.15	105,102	71,717	89,010
MN	3.52	3.09	3.05	272,592	247,509	240,868
MS	3.17	2.39	2.40	23,854	16,133	19,800
MO	3.09	2.31	2.15	180,209	132,825	94,944
MT	3.62	3.03	3.20	652,059	513,429	492,812
NE	3.20	2.54	2.30	224,960	210,312	198,720
NV	3.25	2.30	2.65	6,094	2,854	3,639
NJ	3.20	2.46	2.20	7,296	5,628	4,066
NM	3.25	2.65	2.40	32,419	21,068	24,624
NY	3.35	2.13	2.00	24,388	14,953	16,250
NC	3.20	2.55	2.20	109,344	71,094	62,524
ND	3.82	3.03	2.95	1,019,426	930,897	716,094
OH	3.16	2.26	2.10	216,997	167,782	151,410
OK	3.21	2.57	2.35	544,416	511,173	353,675
OR	3.55	2.63	3.05	213,705	151,171	104,734
PA	3.37	2.59	2.50	30,667	25,097	25,650
SC	3.20	2.60	2.30	48,000	19,968	21,758
SD	3.41	2.74	2.70	334,686	326,626	316,588
TN	3.30	2.61	2.25	53,460	39,594	41,310
TX	3.25	2.66	2.35	386,425	363,090	287,640
UT	3.32	2.94	2.55	29,015	25,727	23,190
VA	3.05	2.41	2.00	53,131	26,570	27,360
WA	3.39	2.63	3.05	560,608	414,218	379,240
WV	3.25	2.29	2.15	1,580	1,044	858
WI	3.00	2.15	1.70	25,593	16,416	12,716
WY	3.10	2.49	2.20	23,532	16,929	14,122
US	3.38	2.65	2.55	8,286,741	6,780,623	5,903,501

¹ Preliminary. NASS, Crops Branch, (202) 720-2127.

Table 1-11.—Wheat: Area, yield, and production in specified countries, 1996/97–1998/99¹

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada	12,262	11,410	10,769	2.43	2.13	2.24	29,801	24,280	24,076
Mexico	809	801	770	3.84	4.54	4.22	3,107	3,639	3,250
United States	25,422	25,431	23,877	2.44	2.66	2.90	61,980	67,534	69,327
Total	38,493	37,642	35,416	2.47	2.54	2.73	94,888	95,453	96,653
South America:									
Argentina	7,100	5,700	5,133	2.24	2.60	2.34	15,900	14,800	12,000
Bolivia	130	190	130	0.77	0.79	0.96	100	150	125
Brazil	1,833	1,510	1,425	1.74	1.58	1.54	3,195	2,380	2,200
Chile	418	384	339	4.01	4.38	3.53	1,677	1,682	1,197
Colombia	22	19	13	2.05	1.58	1.92	45	30	25
Ecuador	30	25	25	0.53	0.60	0.60	16	15	15
Paraguay	230	225	200	2.28	1.78	1.25	525	400	250
Peru	115	110	110	1.20	1.09	1.18	138	120	130
Uruguay	250	245	195	2.6	2.06	2.67	650	505	520
Total	10,128	8,408	7,570	2.20	2.39	2.17	22,246	20,082	16,462
Europe:									
Austria	247	260	266	5.02	5.20	5.05	1,239	1,352	1,342
Belgium-Luxembourg	220	230	235	7.95	7.39	7.23	1,750	1,700	1,700
Denmark	681	689	680	6.99	7.21	7.25	4,757	4,965	4,928
Finland	112	125	137	4.10	3.71	2.92	459	464	400
France	5,024	5,108	5,234	7.15	6.81	7.60	35,940	33,764	39,793
Germany	2,594	2,720	2,801	7.29	7.29	7.20	18,922	19,827	20,178
Greece	660	710	750	1.89	2.25	2.44	1,250	1,600	1,830
Ireland	85	91	83	8.66	7.24	7.83	736	659	650
Italy	2,408	2,368	2,305	3.22	2.79	3.44	7,746	6,601	7,939
Netherlands	142	141	137	8.94	7.54	7.82	1,269	1,063	1,072
Portugal	238	260	147	1.71	1.25	0.97	406	325	143
Spain	2,022	2,050	1,875	2.92	2.26	2.85	5,900	4,643	5,347
Sweden	328	345	398	6.19	6.38	5.65	2,030	2,200	2,249
United Kingdom	1,976	2,036	2,045	8.15	7.38	7.56	16,102	15,018	15,465
Total EU	16,737	17,133	17,093	5.89	5.50	6.03	98,506	94,181	103,036
Norway	66	59	59	4.97	4.34	4.37	328	256	258
Switzerland	101	102	98	6.12	6.59	6.24	618	672	612
Total W. Europe	167	161	157	5.66	5.76	5.54	946	928	870
Albania	118	130	130	2.68	2.85	2.85	316	370	370
Bulgaria	900	1,100	1,100	2.00	2.95	3.00	1,800	3,250	3,300
Czech Republic	799	826	912	4.66	4.41	4.22	3,727	3,640	3,845
Hungary	1,193	1,250	1,183	3.27	4.22	4.14	3,900	5,270	4,895
Poland	2,480	2,555	2,631	3.46	3.21	3.62	8,579	8,193	9,537
Romania	1,800	2,350	1,970	1.76	3.06	2.64	3,165	7,186	5,200
Slovakia	415	413	429	4.13	4.57	4.17	1,713	1,886	1,789
Yugoslavia	1,020	1,240	1,300	2.87	3.67	3.69	2,925	4,550	4,800
Total E. Europe	8,725	9,864	9,655	2.99	3.48	3.49	26,125	34,345	33,736
Fmr. Soviet Union:									
Azerbaijan	454	500	540	1.67	1.85	1.76	759	925	950
Armenia	92	115	110	2.18	1.74	2.27	201	200	250
Byelarus	273	300	350	2.20	2.50	2.29	600	750	800
Estonia	47	50	50	2.15	2.00	2.00	101	100	100
Georgia	80	175	110	1.34	1.83	2.27	107	320	250
Kyrgyzstan	452	550	435	2.30	2.50	2.99	1,041	1,375	1,300
Kazakhstan	12,200	11,500	9,100	0.63	0.78	0.52	7,700	8,950	4,700
Latvia	125	150	150	2.86	2.63	2.67	358	395	400
Lithuania	348	374	375	2.69	2.81	2.67	936	1,050	1,000
Moldova	338	355	333	2.32	3.46	3.00	784	1,227	1,000
Russian Fed.	25,721	26,100	26,000	1.36	1.69	1.03	34,900	44,200	26,900
Tajikistan	224	232	230	1.00	1.08	1.09	225	250	250
Turkmenistan	450	470	500	1.00	1.36	2.20	450	640	1,100
Ukraine	5,892	6,508	5,638	2.30	2.83	2.65	13,550	18,404	14,937
Uzbekistan	1,350	1,450	1,300	2.00	2.14	2.77	2,700	3,100	3,600
Total	48,046	48,829	45,221	1.34	1.68	1.27	64,412	81,886	57,537

See footnotes at end of table.

Table 1-11.—Wheat: Area, yield, and production in specified countries, 1996/97–1998/99¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa:									
Algeria	2,278	830	2,000	1.31	0.81	1.10	2,980	670	2,200
Angola	5	5	5	0.80	0.80	0.80	4	4	4
Chad	4	4	4	1.50	1.50	1.50	6	6	6
Egypt	1,016	1,044	1,017	5.64	5.60	5.99	5,735	5,850	6,093
Ethiopia	1,100	1,100	1,100	1.09	1.00	1.32	1,200	1,100	1,450
Kenya	140	150	145	2.06	2.33	2.07	288	350	300
Lesotho	30	20	20	1.00	0.75	1.25	30	15	25
Libya	280	290	290	0.46	0.55	0.55	130	160	160
Morocco	3,213	2,493	3,087	1.84	0.93	1.42	5,916	2,317	4,378
Mozambique	3	3	3	1.00	1.00	1.00	3	3	3
Nigeria	30	30	35	1.17	0.67	1.14	35	20	40
South Africa, Rep. of	1,294	1,382	748	2.10	1.77	2.27	2,712	2,450	1,700
Sudan	315	330	275	1.75	1.97	2.18	550	650	600
Tanzania,									
United Rep. of	60	35	75	1.42	1.29	1.33	85	45	100
Tunisia	1,100	820	903	1.82	1.16	1.50	2,000	950	1,353
Zaire	10	10	10	1.50	1.00	1.00	15	10	10
Zambia	20	15	15	3.00	4.67	4.67	60	70	70
Zimbabwe	58	52	60	4.31	5.19	5.17	250	270	310
Total	10,956	8,613	9,792	2.01	1.73	1.92	21,999	14,940	18,802
Asia:									
Afghanistan	2,000	2,125	2,125	1.33	1.28	1.32	2,650	2,710	2,800
Bangladesh	701	708	805	1.95	2.05	2.24	1,370	1,454	1,803
Burma	140	140	140	1.07	1.07	1.07	150	150	150
Bhutan	13	13	13	1.54	1.54	1.54	20	20	20
China, Peoples Repu.	29,610	30,057	29,774	3.73	4.10	3.69	110,570	123,300	109,730
Cyprus	10	10	10	1.00	1.00	1.00	10	10	10
India	25,011	25,887	26,686	2.48	2.68	2.47	62,097	69,350	65,907
Iran	6,360	6,300	6,600	1.73	1.59	1.82	11,000	10,000	12,000
Israel	80	70	80	1.85	1.66	1.56	148	116	125
Iraq	1,700	1,500	1,600	0.82	0.73	0.81	1,400	1,100	1,300
Japan	159	158	162	3.01	3.63	3.51	478	573	569
Jordan	46	62	52	1.24	0.97	1.15	57	60	60
Korea, Democratic Pe.	70	70	90	1.07	1.07	1.11	75	75	100
Korea, Republic of	3	2	2	3.67	3.50	3.50	11	7	7
Lebanon	10	10	10	2.10	2.00	2.00	21	20	20
Mongolia	300	300	300	0.73	0.73	0.73	220	220	220
Nepal	650	670	630	1.54	1.60	1.63	1,000	1,075	1,030
Pakistan	8,376	8,110	8,355	2.02	2.05	2.24	16,907	16,650	18,694
Saudi Arabia	265	336	335	4.53	5.36	5.37	1,200	1,800	1,800
Syria	1,619	1,761	1,700	2.52	1.72	2.42	4,080	3,031	4,112
Taiwan	1	0	0	3.00	0	0	3	0	0
Turkey	8,450	8,500	8,550	1.89	1.88	2.16	16,000	16,000	18,500
Yemen	90	85	85	1.66	1.52	1.53	149	129	130
Total	85,664	86,874	88,104	2.68	2.85	2.71	229,616	247,850	239,087
Oceania:									
Australia	11,337	10,311	11,583	2.09	1.88	1.91	23,702	19,417	22,110
New Zealand ...	58	54	55	5.52	5.46	5.00	320	295	275
Total	11,395	10,365	11,638	2.11	1.90	1.92	24,022	19,712	22,385
World Total ...	230,309	227,890	224,665	2.53	2.67	2.62	582,751	609,330	588,656

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1994 is combined with estimates for the Southern Hemisphere Harvests, which begin late in 1994 and end early in 1995. ² Harvested area as far as possible. ³ Preliminary.

FAS, Production Estimates and Crop Assessment Division, (202) 720-0888. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-12.—Wheat and flour: United States imports, 1989–98

Year beginning June	Wheat grain ¹	Flour (wheat equivalent)	Other products (wheat equivalent) ²	Total wheat, flour, and other products
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1989	12,583	502	9,382	22,467
1990	25,540	901	9,932	36,373
1991	30,924	923	8,751	40,598
1992	56,859	3,122	9,435	69,416
1993	91,287	6,486	11,086	108,859
1994	70,561	8,073	13,313	91,947
1995	47,753	6,687	13,493	67,933
1996	71,727	6,386	14,220	92,333
1997	73,245	6,055	15,623	94,923
1998	79,766	7,423	15,815	103,004

¹Starting January 1989, Census ceased reporting wheat suitable for milling and unfit for human consumption. ²Includes macaroni, semolina, and similar products. Beginning in 1988/89 total wheat grain is reported under the suitable for milling column.

ERS, Market and Trade Economics Division, (202) 694-5302.

Table 1-13.—Wheat and wheat flour: United States food aid under specified Government programs, 1992-98

Year	Public Law 480			Section 416(b) ⁴	Food for progress			Commodity totals
	Title I ¹	Title II ²	Title III ³		Title I ⁵	Section 416(b) ⁶	CCC Purchases ⁷	
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
1992	1,265	718	973	0	307	0	30	3,293
1993	873	723	49	0	0	0	11	1,656
1994	540	758	35	0	373	0	32	1,738
1995	289	609	332	0	352	0	67	1,648
1996	346	530	22	0	227	0	81	1,206
1997	511	647	0	0	11	0	30	1,199
1998	803	635	140	0	211	0	132	1,920

¹P.L. 480 Title I - Based on Program Summary as of October 19, 1998. The total does not reflect oceans freight costs. ²P.L. 480, Title II - Based on Approved Program Summary as of October 29, 1998. The total does not reflect freight costs. ³P.L. 480, Title III: Based on Approved Program as of October 29, 1998. The total does not reflect freight costs. ⁴Section 416 (b): Regular 416 - Based on Extel Database as of October 29, 1998. ⁵Food for Progress: Title I - Based on P.L. 480, Title I Program Summary as of October 19, 1998. The total does not reflect freight costs. ⁶Section 416 (b) - Based on Extel Database as of October 29, 1998. ⁷CCC Purchases - Based on Extel Database as of October 29, 1998.

FAS, CCC Program Support Division, (202) 720-9843.

Table 1-14.—Wheat and flour: ¹ International trade, 1996/97–1998/99 ²

Country	1996/97	1997/98	1998/99 ³
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principal exporters:			
Argentina	10,073	9,566	8,700
Australia	18,223	15,398	16,000
Canada	18,167	21,283	14,388
India	866	0	0
Kazakstan	2,026	3,375	2,072
Syria	500	796	700
Turkey	967	1,306	3,000
European Union	17,834	14,196	16,000
Eastern Europe	1,526	2,905	3,900
Others	4,701	5,119	7,315
Subtotal	74,883	73,944	72,075
United States	27,093	28,090	29,035
Total	101,976	102,034	101,110
Principal importers:			
Algeria	3,628	5,221	4,400
Bangladesh	957	839	2,200
Bolivia	387	287	225
Brazil	5,662	5,758	7,290
Chile	439	490	700
China	2,692	1,914	1,000
Columbia	938	1,048	1,100
Cuba	951	943	950
Ecuador	442	407	400
Egypt	6,893	7,156	7,300
Ethiopia	148	417	450
Georgia	614	598	600
India	1,781	2,344	1,092
Indonesia	4,200	3,665	3,000
Iran	7,048	3,587	3,000
Iraq	1,135	2,707	2,500
Israel	958	1,297	1,500
Japan	6,264	6,200	5,883
Jordan	599	691	700
Korea, North	495	674	550
Korea, South	3,465	3,917	4,689
Lebanon	401	468	475
Libya	1,379	1,311	1,400
Malaysia	1,236	1,160	1,300
Mexico	1,940	2,166	2,500
Morocco	1,558	2,568	2,800
Nigeria	956	1,099	1,500
Pakistan	3,018	3,562	3,200
Peru	1,290	1,259	1,300
Philippines	2,174	1,960	2,300
Russia	2,572	3,028	2,500
South Africa	958	663	585
Sri Lanka	889	761	875
Taiwan	1,025	1,027	1,000
Thailand	694	653	725
Tunisia	978	1,461	1,100
Turkey	2,578	1,570	1,600
UAE	605	694	650
Ukraine	200	93	100
Uzbekistan	1,033	729	400
Venezuela	1,204	1,224	1,275
Vietnam	440	585	500
Yemen	2,292	2,366	2,100
European Union	2,442	3,858	3,800
Other Western Europe	514	492	520
Eastern Europe	5,285	1,837	2,100
United States	2,577	2,488	2,850
Subtotal	89,934	89,242	88,984
Other Countries	10,881	11,015	10,882
Unaccounted	1,161	1,777	1,244
Total	101,976	102,034	101,110

¹ Flour reported in terms of grain equivalent. ² Year beginning July 1. ³ Preliminary.
 FAS, Grain and Feed Division, (202) 720-6219. Prepared or estimated on the basis of official statistics from foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-15.—Wheat and flour: ¹ United States exports by country of destination, 1997/98 and 1998/99

Country of destination	Year ²		Country of destination	Year ²	
	1997/98	1998/99		1997/98	1998/99
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Wheat:			Taiwan	990	914
Mexico	1,257	1,705	Other Asia	67	1,334
Central America	791	670	Algeria	273	475
Caribbean	634	687	Morocco	488	208
Brazil	0	16	South Africa	133	76
Chile	52	156	Tunisia	505	0
Colombia	450	599	Other Africa	6,432	6,665
Ecuador	217	130	Other countries	3,145	2,046
Peru	214	703	World total	27,671	27,836
Venezuela	567	642	Wheat flour:		
Other Americas	139	120	Central America	0	35
Total Americas	4,321	5,428	Other Caribbean	196	219
			Bolivia	46	30
Europe:			Colombia	2	2
Belgium and Luxembourg	167	229	Other Americas	109	147
Germany	0	2	Total Americas	353	433
Italy	564	606	Greece	0	3
Netherlands	39	1	Netherlands	7	5
Norway	44	39	Other Europe	31	119
Spain	254	300	Total Europe	38	127
Switzerland	26	32	Sri Lanka	0	0
United Kingdom	149	125	Japan	3	3
Other Europe	229	233	Jordan	0	0
Former Soviet Union	448	813	Philippines	0	0
Total Europe and Soviet Union	1,420	2,380	Other Asia	46	153
India	0	0	Total Asia	49	156
Israel	808	765	Egypt	0	16
Japan	3,263	3,061	Morocco	0	0
Korea, Rep. of	1,443	1,642	Other Africa	129	149
Pakistan	2,072	867	Total Africa	129	165
Philippines	1,488	1,609	Oceania	4	3
China	323	366	World total	653	1,072

¹ Flour reported in terms of grain equivalent. ² Year beginning Jul 1.

FAS, Grain and Feed Division, (202) 720-6219. Compiled from reports of the U.S. Department of Commerce.

Table 1-16.—Rye: Area, yield, production, disposition, and value, United States, 1990-99

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990	1,625	375	27.1	10,176	2.09	21,298
1991	1,671	395	24.6	9,734	2.20	21,364
1992	1,542	391	29.3	11,440	2.38	27,303
1993	1,493	381	27.1	10,340	2.55	27,149
1994	1,613	407	27.9	11,341	2.70	30,520
1995	1,602	385	26.1	10,064	2.90	28,948
1996	1,457	345	25.9	8,936	3.70	33,118
1997	1,400	316	25.7	8,132	3.75	30,120
1998	1,566	418	29.1	12,161	2.49	30,404
1999	1,582	383	28.7	10,993	2.28	25,054

¹ Area planted in preceding fall. ² Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-17.—Rye: Supply and disappearance, United States, 1989–98

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports	Total disappearance	
					Food	Seed	Industry	Feed ¹	Total			
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1989	10,300	13,647	31	23,977	3,500	3,000	2,000	9,068	17,568	788	18,356	5,631
1990	5,631	10,176	3,895	19,702	3,500	3,000	2,000	7,670	16,170	213	16,383	3,319
1991	3,319	9,734	4,542	17,595	3,500	3,000	2,000	7,528	16,028	53	16,081	1,514
1992	1,514	11,440	3,099	16,053	3,419	3,000	2,000	6,065	14,484	14	14,498	1,555
1993	1,555	10,340	4,607	16,502	3,538	3,000	2,000	6,977	15,515	16	15,531	971
1994	971	11,341	4,386	16,698	3,312	3,000	2,000	6,900	15,212	35	15,247	1,451
1995	1,451	10,064	3,760	15,275	3,318	3,000	2,000	6,018	14,336	41	14,377	898
1996	898	8,936	4,327	14,161	3,459	3,000	2,000	4,916	13,375	32	13,407	754
1997	754	8,132	5,562	14,448	3,298	2,000	3,000	5,306	13,604	80	13,684	764
1998 ² ..	764	12,161	3,322	16,247	3,639	3,000	3,000	4,392	14,031	33	14,064	2,183

¹Residual, approximates total feed use. ²Preliminary. Totals may not add due to independent rounding. ERS, Market and Trade Economics Division, (202) 694-5302.

Table 1-18.—Rye: Support operations, United States, 1990–99

Marketing year beginning June 1	Loan rate per bushel ¹	Put under loan ²		Acquired by CCC under support program ³	Owned by CCC at end of marketing year
		Quantity	Percentage of production		
		Million bushels	Percent		
	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1990/91	1.33	0.2	2.0	0.0	1.0
1991/92	1.38	0.1	1.0	0.0	0.0
1992/93	1.46	0.2	1.7	0.0	0.0
1993/94	1.46	0.1	1.0	0.0	0.0
1994/95	1.61	0.1	0.9	0.0	0.0
1995/96	1.61	0.1	1.0	0.0	0.0
1996/97	(⁴)	.....	.....	.....	.....
1997/98	(⁴)	.....	.....	.....	.....
1998/99	(⁴)	.....	.....	.....	.....
1999/2000	(⁴)	.....	.....	.....	.....

¹The national average loan rate was also known as the price support rate prior to enactment of the Federal Agriculture Improvement and Reform Act of 1996. ²Includes loans made, purchases, and purchase agreements entered into. ³Acquisition of all loans forfeited during the marketing year including loans made in previous years. ⁴The Federal Agriculture Improvement and Reform Act of 1996 did not provide authority for rye loans after the 1995/96 marketing year. FSA, Feed Grains & Oilseeds Analysis Group, (202) 720-8838.

Table 1-19.—Rye: Area, yield, and production, by States, 1997–99

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1997	1998	1999	1997	1998	1999	1997	1998	1999	1997	1998	1999
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els
CO	28	33	28	2	3	2	27.0	28.0	33.0	54	84	66
GA	300	250	230	65	50	50	22.0	21.0	21.0	1,430	1,050	1,050
IL	55	50	40	8	9	7	30.0	37.0	29.0	240	333	203
IN	15	15	20	2	2	2	32.0	38.0	35.0	64	76	70
KS	50	80	90	10	15	10	30.0	25.0	30.0	300	375	300
MD	25	25	30	3	3	5	25.0	32.0	31.0	75	96	155
MI	75	65	105	15	15	21	30.0	28.0	36.0	450	420	756
MN	20	30	30	16	27	25	25.0	31.0	31.0	400	837	775
NE	35	30	45	12	12	15	20.0	24.0	24.0	240	288	360
NJ	20	38	20	5	5	4	35.0	33.0	30.0	175	165	120
NY	40	50	45	7	15	15	33.0	35.0	38.0	231	525	570
NC	80	90	100	15	20	28	28.0	22.0	23.0	420	440	644
ND	22	65	40	19	61	37	27.0	42.0	41.0	513	2,562	1,517
OH	30	35	35	4	4	4	30.0	35.0	36.0	120	140	144
OK	200	300	300	60	70	55	18.0	22.0	19.0	1,080	1,540	1,045
PA	50	60	65	10	15	15	40.0	33.0	40.0	400	495	600
SC	35	30	35	10	20	20	25.0	20.0	25.0	250	400	500
SD	30	40	24	26	35	23	28.0	40.0	44.0	728	1,400	1,012
TX	130	120	140	10	20	25	33.0	20.0	18.0	330	400	450
VA	80	80	80	5	5	8	40.0	35.0	34.0	200	175	272
WI	80	80	80	12	12	12	36.0	30.0	32.0	432	360	384
US	1,400	1,566	1,582	316	418	383	25.7	29.1	28.7	8,132	12,161	10,993

¹ Includes area planted preceding fall.
NASS, Crops Branch, (202) 720-2127.

Table 1-20.—Rye: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per bushel			Value of production		
	1997	1998	1999 ¹	1997	1998	1999 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CO	3.30	1.80	1.40	178	151	92
GA	5.00	3.40	5.00	7,150	3,570	5,250
IL	2.90	2.20	1.95	696	733	396
IN	2.90	2.30	1.60	186	175	112
KS	3.60	2.20	1.80	1,080	825	540
MD	2.45	2.30	2.05	184	221	318
MI	2.90	2.50	1.70	1,305	1,050	1,285
MN	3.10	1.90	1.30	1,240	1,590	1,008
NE	3.60	1.80	1.40	864	518	504
NJ	3.60	3.00	2.90	630	495	348
NY	2.10	2.00	1.50	485	1,050	855
NC	2.60	2.40	2.05	1,092	1,056	1,320
ND	3.12	2.07	1.40	1,601	5,303	2,124
OH	3.05	2.20	1.90	366	308	274
OK	4.50	3.50	4.00	4,860	5,390	4,180
PA	3.75	3.50	2.50	1,500	1,733	1,500
SC	3.00	2.50	2.30	750	1,000	1,150
SD	3.60	1.90	1.45	2,621	2,660	1,467
TX	3.90	3.90	2.75	1,287	1,560	1,238
VA	2.45	2.00	1.90	490	350	517
WI	3.60	1.85	1.50	1,555	666	576
US	3.75	2.49	2.28	30,120	30,404	25,054

¹ Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-21.—Rye: Area, yield, and production in specified countries, 1996/97–1998/99¹

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada	162	162	204	1.91	1.98	1.95	309	320	398
United States	140	128	169	1.62	1.62	1.78	227	207	300
Total	302	290	373	1.77	1.82	1.87	536	527	698
South America:									
Argentina	39	60	60	0.92	1.03	1.08	36	62	65
Brazil	10	10	10	0.80	1.20	1.20	8	12	12
Chile	5	5	5	2.00	2.00	2.00	10	10	10
Total	54	75	75	1.00	1.12	1.16	54	84	87
Europe:									
Austria	51	57	55	2.96	3.63	4.29	151	207	236
Belgium-Luxembourg	3	3	3	4.00	4.00	4.00	12	12	12
Denmark	72	84	105	4.76	5.39	5.12	343	453	538
Finland	35	23	36	2.49	2.04	1.39	87	47	50
France	49	47	46	4.59	4.40	4.70	225	207	216
Germany	809	847	936	5.21	5.41	5.10	4,214	4,580	4,774
Greece	18	17	17	2.22	2.35	2.35	40	40	40
Italy	8	8	8	2.50	2.50	2.50	20	20	20
Netherlands	7	5	6	5.00	5.60	5.00	35	28	30
Portugal	60	60	55	0.85	0.67	0.64	51	40	35
Spain	170	152	150	1.74	1.48	1.50	295	225	225
Sweden	33	29	35	5.52	5.17	4.60	182	150	161
United Kingdom	5	5	5	5.00	5.00	5.00	25	25	25
Total EU	1,320	1,337	1,457	4.30	4.51	4.37	5,680	6,034	6,362
Norway	4	4	4	3.00	3.25	4.00	12	13	16
Switzerland	7	7	3	6.57	6.57	6.67	46	46	20
Total W. Europe	11	11	7	5.27	5.36	5.14	58	59	36
Albania	10	10	10	1.00	1.00	1.00	10	10	10
Bulgaria	15	18	10	1.07	1.50	1.10	16	27	11
Czech Republic	64	76	72	3.19	3.41	3.63	204	259	261
Hungary	70	70	62	1.43	2.00	2.08	100	140	129
Poland	2,415	2,298	2,291	2.34	2.31	2.47	5,652	5,300	5,664
Romania	25	23	22	1.92	2.17	2.05	48	50	45
Slovakia	29	30	34	2.45	2.80	2.82	71	84	96
Yugoslavia	31	30	30	1.94	2.00	2.00	60	60	60
Total E. Europe	2,659	2,555	2,531	2.32	2.32	2.48	6,161	5,930	6,276
Fmr. Soviet Union:									
Byelarus	867	890	900	2.07	2.36	1.78	1,794	2,100	1,600
Estonia	31	30	30	2.00	2.00	2.00	62	60	60
Georgia	0	1	0	0	0	0	0	0	0
Kazakhstan	108	70	70	0.27	0.86	0.86	29	60	60
Latvia	50	50	50	2.26	2.66	2.60	113	133	130
Lithuania	152	157	160	1.89	1.91	1.88	287	300	300
Moldova	0	1	0	0	0	0	0	0	0
Russian Fed.	4,129	4,000	3,800	1.43	1.88	0.87	5,900	7,500	3,300
Tajikistan	0	1	0	0	0	0	0	0	0
Ukraine	627	696	696	1.75	1.94	1.64	1,100	1,348	1,140
Uzbekistan	5	3	3	1.60	1.67	1.67	8	5	5
Total	5,969	5,899	5,709	1.56	1.95	1.16	9,293	11,506	6,595
Asia:									
Turkey	148	147	147	1.66	1.6	1.61	245	235	237
Oceania:									
Australia	35	35	35	0.57	0.57	0.57	20	20	20
World Total	10,518	10,369	10,254	2.10	2.35	1.98	22,050	24,398	20,314

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1994 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1994 and end early in 1995. ² Harvested area as far as possible. ³ Preliminary.

FAS, Production Estimates and Crop Assessment Division, (202) 720-0888. Prepared or estimated on the basis of official statistics of foreign Governments, other foreign source materials, reports of Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 1-22.—Rice, rough: Area, yield, production, and value, United States, 1990–99

Year	Area planted	Area harvested	Yield per acre	Production	Marketing year average price per cwt. received by farmers	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1990	2,897.0	2,823.0	5,529	156,088	6.68	1,047,242
1991	2,884.0	2,781.0	5,731	159,367	7.58	1,213,330
1992	3,176.0	3,132.0	5,736	179,658	5.89	1,057,272
1993	2,920.0	2,833.0	5,510	156,110	7.98	1,246,875
1994	3,353.0	3,316.0	5,964	197,779	6.78	1,336,570
1995	3,121.0	3,093.0	5,621	173,871	9.15	1,587,236
1996	2,824.0	2,804.0	6,120	171,599	9.96	1,690,270
1997	3,125.0	3,103.0	5,897	182,992	9.70	1,756,136
1998	3,345.0	3,317.0	5,669	188,051	8.89	1,686,580
1999	3,581.0	3,562.0	5,908	210,458	6.00	1,257,071

NASS, Crops Branch, (202) 720-2127.

Table 1-23.—Rice, rough: Stocks on and off farms, United States, 1991–2000

Year beginning previous December	On farms			Off farms ¹		
	Dec. 1	Mar. 1	Aug. 1	Dec. 1	Mar. 1	Aug. 1
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1991-92	37,662	19,345	852	75,505	53,082	17,843
1992-93	37,249	20,658	1,109	76,541	55,125	19,422
1993-94	39,966	22,397	1,708	91,517	69,284	28,876
1994-95	24,164	11,703	517	85,081	67,900	20,390
1995-96	41,223	23,239	862	100,088	72,686	21,902
1996-97	32,936	20,520	486	88,395	65,326	19,485
1997-98	32,719	16,003	428	86,350	64,141	21,365
1998-99	33,470	21,205	1,136	90,873	66,846	19,855
1999-2000	35,584	22,290	1,560	85,394	57,960	15,066
2000-2001 ²	50,762	NA	NA	89,191	NA	NA

¹ Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit. ² Preliminary. NA-not available.

NASS, Crops Branch, (202) 720-2127.

Table 1-24.—Rice, by length of grain: Area, yield, and production, United States, 1990–99

Year	Area harvested			Yield per acre			Production		
	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1990	2,065.0	745.0	13.0	5,221	6,353	7,338	107,806	47,328	954
1991	2,023.0	748.0	10.0	5,395	6,615	7,530	109,137	49,477	753
1992	2,372.0	747.0	13.0	5,397	6,778	7,769	128,015	50,633	1,010
1993	2,028.0	789.0	16.0	5,082	6,575	7,331	103,064	51,873	1,173
1994	2,379.0	925.0	12.0	5,609	6,853	7,867	133,445	63,390	944
1995	2,312.0	769.0	12.0	5,265	6,663	7,500	121,730	51,241	900
1996	1,967.0	822.0	15.0	5,777	6,922	7,127	113,629	56,901	1,069
1997	2,309.0	776.0	18.0	5,391	7,357	7,867	124,485	57,091	1,416
1998	2,608.0	671.0	38.0	5,430	6,625	5,195	141,624	44,453	1,974
1999	2,738.0	762.0	62.0	5,629	6,824	6,974	154,134	52,000	4,324

NASS, Crops Branch, (202) 720-2127.

Table 1-25.—Rice, rough, by length of grain: Stocks in all positions, United States, 1991–2000

Year beginning previous December	Long grain				Medium grain				Short grain			
	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹
1991	72,196	44,479	8,038	947	38,716	26,139	9,456	5,332	2,255	1,809	1,201	974
1992	70,182	43,753	9,003	580	41,915	30,950	10,916	4,790	1,693	1,080	612	353
1993	88,695	59,548	17,752	533	41,359	31,228	12,363	5,518	1,429	905	469	154
1994	61,356	44,741	12,543	114	46,524	33,732	7,708	1,906	1,365	1,130	656	449
1995	87,281	57,779	10,188	219	52,676	36,963	11,872	4,186	1,354	1,183	704	522
1996	76,256	52,630	7,418	(3)	43,941	32,264	12,022	4,506	1,134	952	531	(3)
1997	68,687	47,871	10,839	(3)	49,015	31,665	10,723	4,334	1,367	608	231	(3)
1998	78,329	53,329	9,863	(3)	44,477	33,596	10,640	4,368	1,537	1,126	488	(3)
1999	84,346	57,636	10,947	(3)	34,774	21,329	5,037	861	1,858	1,285	642	(3)
2000 ² ..	96,960	NA	NA	NA	39,601	NA	NA	NA	3,392	NA	NA	NA

¹ California only. ² Preliminary. ³ Not published to avoid disclosing individual reports. NA-not available. NASS, Crops Branch, (202) 720-2127.

Table 1-26.—Rough and milled rice (rough equivalent): Supply and disappearance, United States, 1989–98¹

Year beginning August	Supply				Disappearance							Ending stocks July 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports ²	Total disappearance	
					Food	Brewers use	Seed	Residual	Total			
Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.
1989	26.7	154.5	4.4	185.6	60.1	15.4	3.3	3.0	81.8	77.1	158.9	26.3
1990	26.3	156.1	4.8	187.2	63.8	15.3	3.6	9.0	91.7	70.9	162.6	24.6
1991	24.6	159.4	5.3	189.3	67.1	15.4	3.9	9.0	95.4	66.4	161.8	27.4
1992	27.4	179.7	6.1	213.2	69.0	15.1	3.8	8.8	96.7	77.0	173.7	39.4
1993	39.4	156.1	6.9	202.5	71.2	14.3	4.3	11.6	101.4	75.3	176.7	25.8
1994	25.8	197.8	8.0	231.6	74.0	14.5	3.9	9.9	102.2	98.1	200.3	31.3
1995	31.3	173.9	7.7	212.8	78.0	15.6	3.5	8.5	105.6	82.2	187.8	25.0
1996	25.0	171.6	10.5	207.1	81.0	15.8	3.9	2.0	102.7	77.2	179.9	27.2
1997	27.2	183.0	9.2	219.4	84.2	16.0	4.1	0.2	104.6	86.9	191.5	27.9
1998 ⁴	27.9	188.1	10.5	226.5	87.3	16.0	4.4	11.4	119.1	85.3	204.4	22.1

¹ Consolidated supply and disappearance of rough and milled rice. Milled-rice data converted to a rough-rice basis using annually derived extraction rates as factors. ² Based on Bureau of the Census reports. ³ Results from losses in drying, storage, handling, and milling. ⁴ Preliminary. Totals may not add due to independent rounding. ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-27.—Rice, by length of grain: Area, yield, and production, by States, 1997–99

State	Area harvested			Yield per acre			Production		
	1997	1998	1999 ¹	1997	1998	1999 ¹	1997	1998	1999 ¹
Long grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR	1,160.0	1,323.0	1,394.0	5,620	5,740	5,840	65,192	75,940	81,410
CA	9.0	9.0	5.0	7,700	5,970	6,800	693	537	340
LA	533.0	590.0	581.0	4,640	4,530	5,000	24,731	26,727	29,050
MS	238.0	268.0	323.0	5,800	5,800	5,650	13,804	15,544	18,250
MO	115.0	140.0	182.0	5,300	5,200	5,400	6,095	7,280	9,828
TX	254.0	278.0	253.0	5,500	5,610	6,030	13,970	15,596	15,256
US	2,309.0	2,608.0	2,738.0	5,391	5,430	5,629	124,485	141,624	154,134
Medium grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR	228.0	200.0	249.0	6,100	6,200	6,230	13,908	12,400	15,513
CA	491.0	433.0	470.0	8,260	6,990	7,300	40,557	30,267	34,310
LA	50.0	30.0	35.0	4,500	4,600	5,070	2,250	1,380	1,775
MO	2.0	3.0	2.0	5,300	5,200	5,400	106	156	108
TX	5.0	5.0	6.0	5,400	5,000	4,900	270	250	294
US	776.0	671.0	762.0	7,357	6,625	6,824	57,091	44,453	52,000
Short grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR	2.0	2.0	2.0	6,000	4,000	6,200	120	80	124
CA	16.0	36.0	60.0	8,100	5,260	7,000	1,296	1,894	4,200
US	18.0	38.0	62.0	7,867	5,195	6,974	1,416	1,974	4,324

¹ Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-28.—Rice: Area, yield, and production, by States, 1997–99

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1997	1998	1999 ¹	1997	1998	1999 ¹	1997	1998	1999 ¹	1997	1998	1999 ¹
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR	1,400.0	1,540.0	1,650.0	1,390.0	1,525.0	1,645.0	5,700	5,800	5,900	79,220	88,420	97,047
CA	518.0	480.0	540.0	516.0	478.0	535.0	8,250	6,840	7,260	42,546	32,698	38,850
LA	585.0	625.0	620.0	583.0	620.0	616.0	4,630	4,530	5,000	26,981	28,107	30,825
MS	240.0	270.0	325.0	238.0	268.0	323.0	5,800	5,800	5,650	13,804	15,544	18,250
MO	122.0	145.0	186.0	117.0	143.0	184.0	5,300	5,200	5,400	6,201	7,436	9,936
TX	260.0	285.0	260.0	259.0	283.0	259.0	5,500	5,600	6,000	14,240	15,846	15,550
US ...	3,125.0	3,345.0	3,581.0	3,103.0	3,317.0	3,562.0	5,897	5,669	5,908	182,992	188,051	210,458

¹ Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-29.—Rice: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per cwt.			Value of production		
	1997	1998	1999 ¹	1997	1998	1999 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AR	9.87	8.87	6.00	781,901	784,285	582,282
CA	7.95	9.19	6.40	338,241	300,495	248,640
LA	10.20	8.87	5.90	275,206	249,309	181,868
MS	10.40	8.99	5.25	143,562	139,741	95,813
MO	10.00	8.75	6.10	62,010	65,065	60,610
TX	10.90	9.32	5.65	155,216	147,685	87,858
US	9.70	8.89	6.00	1,756,136	1,686,580	1,257,071

¹ Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1991–2000

Year beginning previous Dec.	Whole kernels (head rice)											
	Long grain				Medium grain				Short grain			
	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹
1991	2,959	2,414	2,513	32	859	1,660	671	423	94	90	50	41
1992	2,431	2,651	2,808	33	840	1,425	953	677	268	47	33	37
1993	3,044	2,463	2,700	44	1,736	1,121	2,064	1,024	39	30	44	47
1994	2,399	2,753	1,860	43	1,258	1,414	1,168	596	27	26	28	51
1995	1,884	2,394	3,127	51	1,723	2,243	2,333	749	48	53	44	37
1996	3,509	2,258	1,927	17	1,184	870	1,187	780	39	26	50	88
1997	3,358	2,622	2,312	10	1,448	1,079	788	584	56	85	34	66
1998	3,443	3,871	3,228	37	1,248	1,080	728	313	46	35	100	25
1999	2,980	2,361	2,159	21	1,613	1,114	657	301	30	62	131	49
2000 ² ..	2,732	NA	NA	NA	770	NA	NA	NA	63	NA	NA	NA

Year beginning previous Dec.	Broken kernels ³											
	Second heads				Screenings				Brewers			
	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹	Dec. 1	Mar. 1	Aug. 1	Oct. 1 ¹
1991	918	550	827	197	747	298	68	.....	254	254	114	34
1992	577	665	511	146	83	108	176	.....	211	781	367	26
1993	915	892	949	73	129	269	173	.....	454	417	272	34
1994	632	434	364	164	107	47	82	.....	458	1,131	93	21
1995	690	734	579	279	89	31	79	.....	411	164	146	33
1996	626	406	329	159	14	6	14	.....	337	133	107	25
1997	553	623	467	97	49	20	13	.....	187	182	205	19
1998	642	711	524	273	27	27	33	.....	276	155	182	14
1999	662	612	588	30	29	92	102	.....	102	103	140	42
2000 ² ..	608	NA	NA	NA	64	NA	NA	.....	348	NA	NA	NA

¹ California only. ² Preliminary. ³ Screenings included in second heads in California. NA-not available. NASS, Crops Branch, (202) 720-2127.

Table 1-31.—Rice, milled: United States food aid under specified Government programs, 1992-99

Year	Public Law 480				Section 416(b) ⁴	Food for progress			Commodity totals
	Title I ¹	Title II ²	Title III ³	Title I ⁵		Section 416(b) ⁶	CCC Purchases ⁷		
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	
1992	103	188	91	0	0	0	22	404	
1993	126	216	80	0	81	0	97	599	
1994	111	157	47	0	0	0	6	321	
1995	87	44	0	0	0	0	20	151	
1996	152	48	0	0	0	0	12	212	
1997	161	43	0	0	0	0	14	218	
1998	44	140	0	0	0	0	11	195	
1999	336	200	0	0	14	0	34	584	

¹ P.L. 480 Title I - Based on Program Summary as of September 25, 1999, and the food assistance package announced by the Secretary of Agriculture on Nov. 6, 1998. The total does not reflect ocean freight financing of \$66.9 million. ² P.L. 480, Title II - Based on Approved Program Summary Country/Sponsor/Commodity Profile as of October 4, 1999. For Title II the total does not reflect ocean freight costs of \$386.1 million. ³ P.L. 480, Title III: Based on Approved Program Summary Country/Sponsor/Commodity Profile as of October 4, 1999. The total does not reflect freight cost. ⁴ Section 416 (b); Regular 416 - Based on 416(b) Status Report as of November 4, 1999. ⁵ Food for Progress: Title I - Based on P.L. 480, Title I Program Summary as of September 25, 1999. The total does not reflect oceans freight grants of \$27.1 million. ⁶ Section 416 (b) - Based on 416(b) Status Report as of November 4, 1999. ⁷ CCC Purchases - Based on Extel Database as of November 4, 1999.

Table 1-32.—Rice, rough: Support operations, United States, 1990–99

Marketing year beginning August 1	Income support payment rates per cwt ¹	Program price levels per cwt		Put under loan ⁴		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target ³	Quantity	Percentage of production		
	Dollars	Dollars	Dollars	Million cwt	Percent	Million cwt	Million cwt
1990/91	4.16	6.50	10.71	143.7	92.1	0.1	0.0
1991/92	3.07	6.50	10.71	108.3	68.8	0.5	0.0
1992/93	4.21	6.50	10.71	126.1	70.1	0.8	0.2
1993/94	3.98	6.50	10.71	30.9	19.8	0.0	0.0
1994/95	3.79	6.50	10.71	131.2	66.3	0.0	0.0
1995/96	3.22	6.50	10.71	100.9	58.0	0.0	0.0
1996/97	2.766	6.50	NA	68.9	38.9	0.0	0.0
1997/98	2.71	6.50	NA	67.6	36.8	0.0	0.0
1998/99	2.92	6.50	NA	80.2	42.7	0.0	0.0
1999/2000	2.82	6.50	NA	.....	.....	.....	.....

¹ Payment rates for the 1995/96 and prior corps years were calculated according to the provisions of the now defunct deficiency payment/production adjustment program. Payment rates for the 1996/97 and subsequent crops are calculated according to the provisions of the Production Flexibility Contract (PFC) program, following enactment of the Federal Agriculture Improvement Act of 1996 (1996 Act). PFC payment rates are rounded to the nearest tenth of a cent. ² The national average loan rate was also known as the price support rate prior to enactment of the 1996 Act. ³ Beginning with the 1996/97 marketing year, target prices are no longer applicable. ⁴ Includes loans made and purchase agreements entered. Excludes quantities on which loan deficiency payments were made. ⁵ Acquisition through loan forfeitures, crop-year basis. NA-not applicable.

FSA, Fibers Analysis Group, (202) 720-3452.

Table 1-33.—Rice: United States exports (milled basis), by country of destination, 1996–98¹

Country of destination	Year			Country of destination	Year		
	1996	1997	1998		1996	1997	1998
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
Canada	165	169	170	Total Europe ²	439	333	381
Mexico	301	285	293	Indonesia	0	0	66
Bahamas	8	7	7	Iran	0	0	0
Dominican Republic	3	68	66	Japan	215	232	231
Haiti	163	167	181	Saudi Arabia	142	115	144
Jamaica	66	16	14	Total Asia, Middle East, and Oceania ²	709	685	671
Netherlands Antilles	14	9	11	Guinea	7	6	5
Brazil	8	3	417	Ivory Coast	36	35	1
Total Western Hemisphere ²	1,114	1,045	1,922	Liberia	12	7	8
European Union:				Nigeria	0	1	1
Belgium-Luxembourg	49	39	74	Ghana	70	53	61
France	9	14	24	South Africa	158	107	72
Germany, Fed. Rep. of	56	66	72	Total Africa ²	314	227	183
Netherlands	96	56	42	World total ²	2,627	2,305	3,165
Portugal	0	0	2				
Sweden	5	3	6				
United Kingdom	92	91	96				
Switzerland	86	43	23				

¹ Year beginning Jan 1. ² Includes countries not shown.

FAS, Grain and Feed Division, (202) 720-6219.

Table 1-34.—Rice, milled: Area, yield, and production in specified countries, 1996/97–1998/99¹

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Costa Rica	58	59	59	2.72	2.80	2.80	158	165	165
Cuba	90	90	80	1.33	1.44	1.38	120	130	110
Dominican Rep.	94	76	76	3.28	3.29	2.96	308	250	225
El Salvador	11	13	13	3.18	3.08	2.69	35	40	35
Guatemala	14	12	13	1.71	2.08	1.92	24	25	25
Haiti	40	40	40	1.63	1.63	1.63	65	65	65
Honduras	16	12	6	2.25	2.50	2.00	36	30	12
Nicaragua	68	72	70	2.09	1.99	1.86	142	143	130
Panama	115	110	110	1.90	1.18	1.82	218	130	200
Trinidad and Tobago ..	10	10	10	2.00	2.00	2.00	20	20	20
Mexico	80	100	100	3.34	3.00	3.13	267	300	313
United States	1,135	1,256	1,342	4.81	4.59	4.58	5,460	5,769	6,141
Total	1,731	1,850	1,919	3.96	3.82	3.88	6,853	7,067	7,441
South America:									
Argentina	225	213	289	3.47	3.08	3.74	780	657	1,080
Bolivia	140	145	145	1.36	1.38	1.38	190	200	200
Brazil	3,477	3,285	3,720	1.86	1.77	2.09	6,463	5,815	7,786
Chile	24	26	27	2.33	2.62	2.48	56	68	67
Colombia	284	302	320	2.71	2.65	2.56	770	800	820
Ecuador	290	180	250	1.38	1.67	1.92	400	300	480
Guyana	132	139	130	2.24	2.45	2.65	296	341	345
Paraguay	90	85	90	1.28	1.06	1.28	115	90	115
Peru	225	260	290	3.68	3.50	3.93	828	910	1,140
Surinam	61	55	55	2.30	2.00	1.82	140	110	100
Uruguay	156	180	205	4.66	3.69	4.37	727	665	895
Venezuela	165	166	166	2.79	2.89	2.95	460	480	490
Total	5,269	5,036	5,687	2.13	2.07	2.38	11,225	10,436	13,518
Europe:									
France	23	20	18	3.43	3.40	3.56	79	68	64
Greece	30	30	27	4.93	4.93	4.96	148	148	134
Italy	238	233	233	3.48	3.92	3.47	828	914	808
Portugal	28	29	29	4.29	3.97	4.03	120	115	117
Spain	107	112	113	4.98	4.95	4.98	533	554	563
Total EU	426	424	420	4.01	4.24	4.01	1,708	1,799	1,686
Bulgaria	1	4	4	6.00	1.75	1.50	6	7	6
Hungary	5	5	5	2.00	2.00	2.00	10	10	10
Romania	6	6	5	2.50	1.17	1.20	15	7	6
Yugoslavia	10	10	10	1.50	1.50	1.50	15	15	15
Total E. Europe	22	25	24	2.09	1.56	1.54	46	39	37
Fmr. Soviet Union:									
Azerbaijan	0	1	0	0	0	0	0	0	0
Kyrgyzstan	5	5	5	1.00	1.00	1.00	5	5	5
Kazakhstan	86	85	85	1.71	1.76	1.76	147	150	150
Russian Fed.	165	160	160	2.36	1.34	1.34	389	215	215
Tajikistan	12	12	12	0.92	0.92	0.92	11	11	11
Turkmenistan	30	30	30	2.33	2.33	2.33	70	70	70
Ukraine	23	23	21	2.30	1.83	2.24	53	42	47
Uzbekistan	185	194	200	1.58	1.55	1.50	293	300	300
Total	506	510	513	1.91	1.55	1.56	968	793	798
Africa:									
Algeria	1	1	1	1.00	1.00	1.00	1	1	1
Angola	10	10	10	0.90	0.90	0.90	9	9	9
Benin	13	10	10	1.23	1.00	1.00	16	10	10
Burkina	60	50	50	1.25	1.30	1.30	75	65	65
Chad	55	60	60	1.00	1.00	1.00	55	60	60
Cameroon	40	40	40	1.63	1.63	1.38	65	65	55
Cote d'Ivoire	680	650	600	0.65	0.60	0.60	445	390	358

See footnotes at end of table.

Table 1-34.—Rice, milled: Area, yield, and production in specified countries, 1996/97–1998/99¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Continued									
Egypt	591	630	504	5.06	5.57	5.54	2,989	3,510	2,790
Gambia, The	13	13	13	1.00	1.00	1.00	13	13	13
Ghana	105	117	130	1.24	1.01	0.88	130	118	115
Guinea	450	475	475	0.96	0.95	0.95	430	450	450
Guinea-Bissau	65	70	65	1.31	1.14	0.92	85	80	60
Kenya	15	15	15	2.00	2.00	2.00	30	30	30
Liberia	75	135	160	0.80	0.74	0.78	60	100	125
Madagascar	1,200	1,200	1,200	1.38	1.38	1.29	1,650	1,650	1,550
Malawi	40	40	40	1.13	1.13	1.13	45	45	45
Mali	300	350	350	1.03	1.14	1.29	310	400	450
Mauritania	20	20	25	1.85	2.25	2.80	37	45	70
Morocco	8	8	8	5.00	5.00	5.00	40	40	40
Mozambique	145	165	180	0.62	0.73	0.69	90	120	125
Niger	30	30	30	1.53	1.50	1.33	46	45	40
Nigeria	1,658	1,650	1,650	1.18	1.12	1.15	1,950	1,850	1,900
Senegal	73	73	73	1.33	1.55	1.11	97	113	81
Sierra Leone	290	275	275	0.81	0.91	0.76	235	250	210
Somalia	2	3	2	1.50	1.67	2.00	3	5	4
Sudan	7	7	7	1.00	1.00	1.00	7	7	7
Togo	55	55	45	0.73	1.00	0.78	40	55	35
Tanzania, United Rep. of ..	470	370	500	1.01	0.97	1.10	475	360	550
Swaziland	2	2	2	1.50	1.50	1.50	3	3	3
Zaire	590	500	550	0.44	0.42	0.53	260	210	290
Zambia	10	11	11	0.70	0.64	0.64	7	7	7
Total	7,073	7,035	7,081	1.37	1.44	1.35	9,698	10,106	9,548
Asia:									
Afghanistan	200	200	200	1.35	1.25	1.25	270	250	250
Bangladesh	10,414	10,263	9,975	1.81	1.84	1.91	18,862	18,862	19,100
Burma	5,600	5,600	5,600	1.61	1.59	1.66	9,000	8,900	9,300
Brunei	3	3	3	1.33	1.33	1.33	4	4	4
Cambodia	1,950	1,930	1,960	1.11	1.12	1.12	2,070	2,150	2,200
China Peoples Republic	31,406	31,765	31,214	4.35	4.42	4.46	136,570	140,490	139,100
Indonesia	11,137	11,730	11,500	2.88	2.65	2.79	32,084	31,118	32,100
India	43,283	43,420	44,478	1.88	1.90	1.91	81,312	82,300	84,740
Iran	600	600	600	2.67	2.67	2.92	1,600	1,600	1,750
Iraq	140	140	140	1.43	1.43	1.43	200	200	200
Japan	1,977	1,953	1,801	4.76	4.67	4.53	9,413	9,123	8,154
Korea, Democratic Pe	580	600	600	2.24	2.50	2.33	1,300	1,500	1,400
Korea, Republic of	1,050	1,052	1,059	5.07	5.18	4.82	5,323	5,450	5,100
Laos	550	600	615	1.55	1.65	1.63	850	990	1,000
Malaysia	660	655	625	1.97	1.95	1.97	1,300	1,280	1,230
Nepal	1,500	1,500	1,500	1.63	1.60	1.60	2,450	2,400	2,400
Pakistan	2,252	2,316	2,424	1.91	1.87	1.93	4,307	4,333	4,674
Philippines	3,909	3,501	3,630	1.86	1.85	1.84	7,265	6,488	6,674
Sri Lanka	607	723	703	2.45	2.41	2.51	1,487	1,743	1,768
Thailand	9,267	9,937	9,833	1.47	1.56	1.53	13,662	15,510	15,048
Taiwan	348	364	358	4.08	4.02	3.66	1,420	1,463	1,311
Turkey	90	90	90	2.89	2.50	2.56	260	225	230
Vietnam	7,040	7,377	7,536	2.56	2.59	2.65	18,003	19,094	19,967
Total	134,563	136,319	136,444	2.59	2.61	2.62	349,032	355,473	357,700
Oceania:									
Australia	166	141	152	5.98	6.75	6.54	992	952	994
World total	149,756	151,340	152,240	2.54	2.55	2.57	380,522	386,665	391,722

¹ Crop year beginning Aug. 1. Crops harvested in the Northern Hemisphere during the latter part of the year are combined with those harvested in Asia principally from November to May, and in the Southern Hemisphere harvested during the first part of the following year. ² Harvested area as far as possible. ³ Preliminary.

FAS, Production Estimates and Crop Assessment Division, (202) 720-0888. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-35.—Rice, milled equivalent: ¹ International trade, 1997–99²

Country	1997	1998	1999 ³
	1,000 metric tons	1,000 Metric tons	1,000 metric tons
Exports:			
Argentina	530	589	525
Australia	651	556	700
Burma	15	94	75
China	938	3,734	2,800
Guyana	286	250	300
India	1,954	4,491	2,400
Pakistan	1,982	1,800	1,850
Thailand	5,216	6,367	6,100
Uruguay	640	639	725
Vietnam	3,327	3,776	4,500
EU	372	346	350
Others	596	1,473	1,408
Subtotal	16,507	24,115	21,733
United States	2,292	3,165	2,750
Total	18,799	27,280	24,483
Imports:			
Bangladesh	44	2,499	1,400
Brazil	845	1,457	850
Canada	240	239	240
China	326	261	200
Colombia	225	246	150
Costa Rica	62	72	85
Cote d'Ivoire	470	520	550
Cuba	267	334	375
Ghana	132	142	200
Guinea	200	200	300
Haiti	195	205	200
Indonesia	808	6,081	3,900
Iran	973	500	850
Iraq	684	610	700
Jamaica &	85	75	75
Japan	546	479	725
Jordan	210	100	100
Korea, North	272	250	300
Korea, South	28	86	100
Malaysia	645	593	650
Mexico	289	295	360
Nigeria	731	900	900
Peru	216	230	200
Philippines	814	2,187	1,200
Russia	284	200	300
Saudi Arabia	660	775	750
Senegal	575	600	600
Singapore	293	267	350
South Africa	573	525	550
Sri Lanka	349	168	150
Syria	228	160	200
Turkey	274	232	250
UAE	102	90	225
Yemen	184	121	175
EU	844	787	700
Other Western Europe	46	60	50
Eastern Europe	247	250	240
United States	302	294	300
Subtotal	14,268	23,090	19,450
Other Countries	2,916	2,911	3,020
Unaccounted	1,615	1,279	2,013
World Total	18,799	27,280	24,483

¹ Includes milled, semi-milled, broken, and rough rice in terms of milled. ² Year beginning Jan 1. ³ Preliminary.
 FAS, Grain and Feed Division, (202) 720-6219. Prepared or estimated on the basis of official statistics from foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-36.—Food grains: Average price, selected markets and grades, 1993–99¹

Crop year ²	Kansas City			Minneapolis			Portland Wheat No. 1 Soft White	St. Louis Wheat, No. 2 Soft Red Winter
	Wheat, No. 1 Hard Winter, Ordinary Protein	Wheat, No. 1 Hard Winter, 13% protein	Wheat, No. 1 Soft Red Winter	Wheat, No. 1 Hard Amber Durum (milling)	Wheat, No. 1 Dark Northern Spring, 14% protein	Rye, No. 2		
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1993	3.67	3.77	3.56	3.88	3.89	2.91	4.11	3.54
1994	3.60	4.40	3.55	5.76	4.92	3.64	3.51	3.23
1995	3.97	4.06	3.76	5.98	4.26	2.94	4.16	3.62
1996	5.49	5.69	5.40	7.04	5.72	3.33	5.27	4.82
1997	4.88	4.92	4.61	5.59	4.97	2.94	4.54	4.10
1998	3.70	3.96	3.38	5.97	4.31	.....	3.81	3.43
1999	3.32	3.73	2.89	4.05	4.13	.....	3.24	2.62

Crop year ²	Chicago Wheat, No. 2 Soft Red Win- ter	Denver Wheat, No. 1 Hard Winter	S.W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice
			Medium	Long	Medium	Long	Long
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
1993	3.49	3.30	13.90	13.29	14.29	12.09	16.66
1994	3.22	3.20	20.63	19.77	21.20	19.57	20.32
1995	3.52	3.57	14.07	14.54	13.16	13.25	13.39
1996	4.82	5.03	19.40	19.46	19.22	19.63	19.62
1997	3.92	4.43	19.91	19.98	18.66	20.42	20.87
1998	3.29	3.33	18.70	18.27	18.34	18.46	18.94
1999	2.64	2.86	18.45	15.31	19.96	15.41	17.02

¹ Simple average of daily prices. ² For wheat and rye, crop year begins in June. For rice, crop year begins in August. NA-not available.

AMS, Livestock and Grain Market News branch, (202) 720-6231.

Table 1-37.—Corn: Area, yield, production, and value, United States, 1990–99

Year	Area plant- ed, all pur- poses	Corn for grain				Corn for silage			
		Area har- vested	Yield per har- vested acre	Produc- tion	Marketing year av- erage price per bushel	Value of production	Area har- vested	Yield per har- vested acre	Produc- tion
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bush- els</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>
1990	74,166	66,952	118.5	7,934,028	2.28	18,191,643	6,123	14.2	86,820
1991	75,957	68,822	108.6	7,474,765	2.37	17,864,204	6,140	13.2	81,216
1992	79,311	72,077	131.5	9,476,698	2.07	19,723,258	6,069	14.4	87,663
1993	73,239	62,933	100.7	6,337,730	2.50	16,035,515	6,823	11.9	81,131
1994	78,921	72,514	138.6	10,050,520	2.26	22,874,154	5,717	15.8	90,170
1995	71,479	65,210	113.5	7,400,051	3.24	24,202,234	5,321	14.7	78,181
1996	79,229	72,644	127.1	9,232,557	2.71	25,149,013	5,607	15.4	86,581
1997	79,537	72,671	126.7	9,206,832	2.43	22,351,507	6,054	16.1	97,192
1998	80,165	72,589	134.4	9,758,685	1.94	18,922,084	5,913	16.1	95,479
1999 ¹	77,431	70,537	133.8	9,437,337	1.90	17,949,707	6,062	15.9	96,169

¹ Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-38.—Corn: Stocks on and off farms, United States, 1990–2000

Year beginning previous December	On farms				Off farms ²			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1 ¹	Dec. 1	Mar. 1	Jun. 1	Sep. 1 ¹
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1990	4,698,800	2,910,500	1,623,500	754,800	2,383,275	1,901,921	1,219,708	589,657
1991	4,874,000	3,064,500	1,755,000	691,200	2,066,289	1,724,474	1,236,957	830,045
1992	4,294,500	2,610,200	1,517,500	605,500	2,252,816	1,950,785	1,221,051	494,811
1993	5,736,900	3,630,000	2,216,500	1,070,700	2,169,463	2,048,215	1,492,943	1,042,281
1994	3,803,000	2,210,200	1,203,000	395,400	2,133,548	1,785,514	1,156,881	454,743
1995	5,417,500	3,502,000	2,072,000	740,900	2,662,980	2,089,693	1,342,896	816,940
1996	3,960,000	2,000,200	780,100	196,600	2,145,774	1,799,341	937,794	229,342
1997	4,800,000	2,870,000	1,501,000	475,000	2,102,974	1,624,128	995,550	408,161
1998	4,822,000	2,975,000	1,830,000	640,000	2,424,756	1,964,898	1,209,757	667,803
1999	5,320,000	3,570,000	2,257,000	797,000	2,731,846	2,128,428	1,359,225	989,977
2000 ³	5,180,000	NA	NA	NA	2,839,860	NA	NA	NA

¹ Old crop only. ² Includes stocks at mills, elevators, warehouses, terminals, and processors. ³ Preliminary. NA-not available.

NASS, Crops Branch, (202) 720-2127.

Table 1-39.—Corn: Area, yield, and production, by States, 1997–99

State	Area planted for all purposes			Corn for grain								
	1997	1998	1999 ¹	Area harvested			Yield per harvested acre			Production		
				1997	1998	1999 ¹	1997	1998	1999 ¹	1997	1998	1999 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL ...	280	300	220	250	200	200	87.0	63.0	103.0	21,750	12,600	20,600
AZ ...	60	50	50	40	30	30	165.0	175.0	195.0	6,600	5,250	5,850
AR ...	190	235	105	185	215	100	125.0	100.0	130.0	23,125	21,500	13,000
CA ...	585	600	550	265	245	205	170.0	160.0	165.0	45,050	39,200	33,825
CO ..	1,090	1,180	1,230	980	1,070	1,120	146.0	145.0	142.0	143,080	155,150	159,040
CT ...	38	35	38	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
DE ...	170	169	169	160	155	154	105.0	100.0	89.0	16,800	15,500	13,706
FL ...	120	160	90	75	55	40	80.0	62.0	93.0	6,000	3,410	3,720
GA ...	500	500	350	450	265	300	105.0	85.0	103.0	47,250	22,525	30,900
ID	125	145	165	43	52	55	155.0	150.0	155.0	6,665	7,800	8,525
IL	11,200	10,600	10,800	11,050	10,450	10,650	129.0	141.0	140.0	1,425,450	1,473,450	1,491,000
IN	5,900	5,800	5,800	5,750	5,550	5,670	122.0	137.0	132.0	701,500	760,350	748,440
IA	12,200	12,500	12,100	11,900	12,200	11,800	138.0	145.0	149.0	1,642,200	1,769,000	1,758,200
KS ...	2,750	3,000	3,150	2,600	2,850	2,980	143.0	147.0	141.0	371,800	418,950	420,180
KY ...	1,270	1,300	1,320	1,150	1,180	1,180	103.0	115.0	105.0	118,450	135,700	123,900
LA ...	430	700	340	417	540	330	117.0	81.0	121.0	48,789	43,740	39,930
ME ...	32	34	33	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
MD ...	510	470	470	410	400	360	90.0	109.0	93.0	36,900	43,600	33,480
MA ...	28	25	26	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
MI	2,500	2,300	2,200	2,180	2,050	1,950	117.0	111.0	130.0	255,060	227,550	253,500
MN ...	7,000	7,300	7,100	6,450	6,750	6,600	132.0	153.0	150.0	851,400	1,032,750	990,000
MS ...	460	550	340	433	500	310	107.0	86.0	117.0	46,331	43,000	36,270
MO ..	2,700	2,650	2,650	2,600	2,500	2,550	115.0	114.0	97.0	299,000	285,000	247,350
MT ...	60	60	65	14	18	18	135.0	115.0	110.0	1,890	2,070	1,980
NE ...	8,900	8,800	8,600	8,600	8,550	8,300	132.0	145.0	139.0	1,135,200	1,239,750	1,153,700
NH ...	17	15	15	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
NJ ...	118	120	110	94	98	60	108.0	92.0	37.0	10,152	9,016	2,220
NM ...	135	140	150	85	85	83	175.0	165.0	180.0	14,875	14,025	14,940
NY ...	1,170	1,130	1,150	600	580	590	110.0	114.0	101.0	66,000	66,120	59,590
NC ...	960	860	750	870	770	640	89.0	70.0	80.0	77,430	53,900	51,200
ND ...	780	970	820	590	825	655	99.0	107.0	117.0	58,410	88,275	76,635
OH ...	3,800	3,550	3,450	3,550	3,340	3,200	134.0	141.0	126.0	475,700	470,940	403,200
OK ...	200	270	430	170	220	310	138.0	130.0	145.0	23,460	28,600	44,950
OR ...	50	55	45	27	33	30	195.0	190.0	175.0	5,265	6,270	5,250
PA ...	1,550	1,550	1,500	1,010	1,050	880	98.0	111.0	70.0	98,980	116,550	61,600
RI	3	3	3	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
SC ...	350	350	300	325	275	275	95.0	40.0	70.0	30,875	11,000	19,250
SD ...	3,800	3,900	3,600	3,400	3,550	3,250	96.0	121.0	113.0	326,400	429,550	367,250
TN ...	700	700	630	620	620	570	102.0	96.0	102.0	63,240	59,520	58,140
TX ...	2,000	2,400	1,950	1,750	1,850	1,770	138.0	100.0	129.0	241,500	185,000	228,330
UT ...	62	62	61	20	24	20	147.0	141.0	143.0	2,940	3,384	2,860
VT ...	104	112	106	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
VA ...	490	500	500	325	300	280	93.0	84.0	78.0	30,225	25,200	21,840
WA ...	150	160	155	95	100	100	190.0	190.0	180.0	18,050	19,000	18,000
WV ...	65	60	60	36	34	20	95.0	80.0	65.0	3,420	2,720	1,300
WI ...	3,850	3,700	3,600	3,050	2,950	2,850	132.0	137.0	143.0	402,600	404,150	407,550
WY ...	85	95	85	52	60	52	135.0	127.0	118.0	7,020	7,620	6,136
US ...	79,537	80,165	77,431	72,671	72,589	70,537	126.7	134.4	133.8	9,206,832	9,758,685	9,437,337

¹ Preliminary. ² Not estimated.
NASS, Crops Branch, (202) 720-2127.

Table 1-40.—Corn: Supply and disappearance, United States, 1989–98

Year beginning September 1	Supply				Disappearance						Ending stocks Aug. 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ¹	Government	Total	
					Feed and residual	Food, alcohol, and seed	Total						
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
1989	1,930	7,532	2	9,464	4,382	1,370	5,753	2,367	8,120	1,111	233	1,344	
1990	1,344	7,934	3	9,282	4,609	1,425	6,034	1,727	7,761	1,150	371	1,521	
1991	1,521	7,475	20	9,016	4,798	1,534	6,331	1,584	7,915	988	113	1,100	
1992	1,100	9,477	7	10,584	5,252	1,556	6,808	1,663	8,471	2,057	56	2,113	
1993	2,113	6,338	21	8,472	4,684	1,609	6,293	1,328	7,621	805	45	850	
1994	850	10,051	10	10,910	5,470	1,705	7,175	2,177	9,352	1,516	42	1,558	
1995	1,558	7,400	16	8,974	4,708	1,612	6,321	2,228	8,548	396	30	426	
1996	426	9,233	13	9,672	5,299	1,692	6,991	1,797	8,789	881	2	883	
1997	883	9,207	9	10,099	5,505	1,782	7,287	1,504	8,791	1,304	4	1,308	
1998 ²	1,308	9,759	19	11,085	5,496	1,822	7,318	1,981	9,298	1,775	12	1,787	

¹ Includes quantity under loan and farmer-owned reserve. ² Preliminary. Totals may not add due to independent rounding.
ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-41.—Corn: Utilization for silage, by States, 1997–99

State	Silage								
	Area harvested			Yield per acre			Production		
	1997	1998	1999 ¹	1997	1998	1999 ¹	1997	1998	1999 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	20	35	15	14.0	6.0	11.0	280	210	165
AZ	18	19	19	25.5	26.5	23.0	459	504	437
AR	4	5	4	15.0	12.0	12.0	60	60	48
CA	315	350	340	26.0	25.0	26.0	8,190	8,750	8,840
CO	100	100	100	22.5	24.0	24.0	2,250	2,400	2,400
CT	33	30	31	19.0	17.0	17.5	627	510	543
DE	9	10	10	13.0	14.0	14.0	117	140	140
FL	30	35	37	16.5	13.0	17.0	495	455	629
GA	40	55	45	17.0	10.0	13.0	680	550	585
ID	80	90	106	25.5	25.5	24.5	2,040	2,295	2,597
IL	120	110	125	16.5	15.0	17.0	1,980	1,650	2,125
IN	110	100	110	16.0	17.0	16.0	1,760	1,700	1,760
IA	260	250	270	18.0	16.5	18.0	4,680	4,125	4,860
KS	125	120	130	18.0	19.0	17.0	2,250	2,280	2,210
KY	110	110	135	14.0	15.5	12.5	1,540	1,705	1,688
LA	10	15	8	15.0	14.0	15.0	150	210	120
ME	28	31	30	16.0	16.5	18.0	448	512	540
MD	95	65	100	10.0	13.0	11.0	950	845	1,100
MA	23	22	21	20.0	19.5	18.5	460	429	389
MI	300	240	235	14.5	12.5	17.5	4,350	3,000	4,113
MN	450	475	425	15.0	16.0	16.0	6,750	7,600	6,800
MS	25	30	25	15.0	8.0	13.0	375	240	325
MO	80	80	70	14.0	12.5	9.5	1,120	1,000	665
MT	45	41	45	21.0	21.0	20.0	945	861	900
NE	225	190	230	15.5	17.0	17.0	3,488	3,230	3,910
NH	16	14	15	19.5	18.5	19.5	312	259	293
NJ	22	21	25	15.0	12.0	6.0	330	252	150
NM	49	50	65	21.0	23.0	24.0	1,029	1,150	1,560
NY	560	550	560	15.0	16.0	16.0	8,400	8,800	8,960
NC	85	75	85	14.0	9.0	12.0	1,190	675	1,020
ND	170	125	155	7.0	8.5	8.8	1,190	1,063	1,364
OH	190	180	170	18.0	17.0	15.0	3,420	3,060	2,550
OK	25	34	20	17.0	15.0	16.0	425	510	320
OR	22	21	14	26.0	23.0	24.0	572	483	336
PA	515	490	590	14.0	16.0	10.5	7,210	7,840	6,195
RI	3	3	3	16.5	18.0	16.5	50	54	50
SC	20	25	15	15.0	7.0	13.0	300	175	195
SD	360	320	330	10.5	10.5	10.0	3,780	3,360	3,300
TN	70	65	55	15.0	14.0	14.0	1,050	910	770
TX	110	150	110	23.5	19.0	21.0	2,585	2,850	2,310
UT	41	37	40	23.0	21.0	21.0	943	777	840
VT	96	107	93	18.0	17.0	18.0	1,728	1,819	1,674
VA	160	190	200	13.0	10.5	10.0	2,080	1,995	2,000
WA	55	60	55	28.0	25.0	26.0	1,540	1,500	1,430
WV	28	24	35	14.0	15.0	8.5	392	360	298
WI	770	730	730	15.0	16.0	16.5	11,550	11,680	12,045
WY	32	34	31	21.0	19.0	20.0	672	646	620
US	6,054	5,913	6,062	16.1	16.1	15.9	97,192	95,479	96,169

¹ Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-42.—Corn for grain: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per bushel			Value of production		
	1997	1998	1999 ¹	1997	1998	1999 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL	2.82	2.31	2.20	61,335	29,106	45,320
AZ	3.20	2.75	2.60	21,120	14,438	15,210
AR	2.51	1.85	1.75	58,044	39,775	22,750
CA	3.05	2.66	2.50	137,403	104,272	84,563
CO	2.59	1.96	1.95	370,577	304,094	310,128
DE	2.95	2.37	2.30	49,560	36,735	31,524
FL	2.90	2.30	2.30	17,400	7,843	8,556
GA	2.90	2.46	2.25	137,025	55,412	69,525
ID	3.03	2.55	2.25	20,195	19,890	19,181
IL	2.53	2.04	2.05	3,606,389	3,005,838	3,056,550
IN	2.53	2.11	1.95	1,774,795	1,604,339	1,459,458
IA	2.33	1.86	1.80	3,826,326	3,290,340	3,164,760
KS	2.47	1.96	1.90	918,346	821,142	798,342
KY	2.62	2.17	2.15	310,339	294,469	266,385
LA	2.70	2.05	2.05	131,730	89,667	81,857
MD	2.98	2.33	2.35	109,962	101,588	78,678
MI	2.40	1.90	1.85	612,144	432,345	468,975
MN	2.15	1.71	1.70	1,830,510	1,766,003	1,683,000
MS	2.65	2.04	2.00	122,777	87,720	72,540
MO	2.45	1.92	1.95	732,550	547,200	482,333
MT	2.40	1.90	1.65	4,536	3,933	3,267
NE	2.32	1.88	1.85	2,633,664	2,330,730	2,134,345
NJ	2.80	2.20	2.15	28,426	19,835	4,773
NM	2.85	2.35	2.45	42,394	32,959	36,603
NY	2.62	2.21	2.15	172,920	146,125	128,119
NC	2.83	2.33	2.25	219,127	125,587	115,200
ND	2.12	1.71	1.60	123,829	150,950	122,616
OH	2.48	2.03	2.00	1,179,736	956,008	806,400
OK	2.66	2.10	2.00	62,404	60,060	89,900
OR	3.03	2.45	2.30	15,953	15,362	12,075
PA	2.92	2.48	2.55	289,022	289,044	157,080
SC	2.79	2.40	2.20	86,141	26,400	42,350
SD	2.15	1.61	1.60	701,760	691,576	587,600
TN	2.65	2.13	1.95	167,586	126,778	113,373
TX	2.74	2.26	2.25	661,710	418,100	513,743
UT	3.05	2.45	2.35	8,967	8,291	6,721
VA	2.69	2.24	2.10	81,305	56,448	45,864
WA	3.00	2.45	2.35	54,150	46,550	42,300
WV	2.80	2.30	2.10	9,576	6,256	2,730
WI	2.34	1.84	1.85	942,084	743,636	753,968
WY	2.52	2.00	1.80	17,690	15,240	11,045
US	2.43	1.94	1.90	22,351,507	18,922,084	17,949,707

¹ Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1996/97–1998/99¹

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada	1,058	1,011	1,118	6.98	7.10	8.01	7,380	7,180	8,952
Costa Rica	18	13	15	1.83	1.92	2.00	33	25	30
Cuba	85	75	75	0.65	0.93	0.93	55	70	70
Dominican Republic	25	25	28	1.28	1.24	1.32	32	31	37
El Salvador	281	290	280	2.21	2.17	2.05	621	630	575
Guatemala	825	830	835	1.64	1.42	1.38	1,350	1,181	1,155
Haiti	260	300	350	0.77	0.83	0.86	200	250	300
Honduras	407	420	389	1.33	1.42	1.23	540	595	477
Jamaica and Dep	4	4	4	1.25	1.25	1.25	5	5	5
Mexico	8,234	7,208	7,900	2.30	2.35	2.23	18,922	16,934	17,000
Nicaragua	283	259	275	1.14	1.13	1.05	322	292	290
Panama	80	70	80	1.30	1.29	1.25	104	90	100
Trinidad and Tobago	3	3	3	1.67	1.67	1.67	5	5	5
United States	29,398	29,409	29,382	7.98	7.95	8.44	234,518	233,864	247,943
Total	40,961	39,917	40,734	6.45	6.54	6.80	264,087	261,152	276,939

See footnotes at end of table.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1996/97–1998/99¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1996/ 97	1997/ 98	1998/ 99 ³	1996/ 97	1997/ 98	1998/ 99 ³	1996/ 97	1997/ 98	1998/ 99 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
South America:									
Argentina	3,400	3,175	2,550	4.56	6.10	5.29	15,500	19,360	13,500
Bolivia	290	300	300	2.10	2.25	2.08	610	675	625
Brazil	13,877	11,390	12,265	2.57	2.64	2.62	35,700	30,080	32,110
Chile	107	100	75	8.23	8.81	8.32	881	881	624
Colombia	590	480	550	1.66	1.67	1.60	980	800	880
Ecuador	245	280	160	1.24	1.68	1.69	305	470	270
Guyana	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay	375	375	350	2.81	2.67	2.57	1,055	1,000	900
Peru	381	390	400	1.94	1.92	2.00	738	750	800
Uruguay	61	60	65	2.66	3.38	3.46	162	203	225
Venezuela	415	360	360	2.82	2.72	2.72	1,172	980	980
Total	19,746	16,915	17,080	2.89	3.26	2.98	57,108	55,204	50,919
Europe:									
Austria	201	188	160	8.63	9.80	10.29	1,735	1,842	1,646
Belgium-Luxembourg	25	25	25	8.80	8.80	8.80	220	220	220
France	1,716	1,841	1,799	8.41	9.10	8.45	14,432	16,754	15,204
Germany	372	369	341	7.83	8.64	8.26	2,913	3,188	2,817
Greece	125	115	165	10.48	10.00	8.79	1,310	1,150	1,450
Italy	1,023	1,039	969	9.33	9.63	8.88	9,547	10,005	8,600
Netherlands	11	13	14	7.09	8.62	7.86	78	112	110
Portugal	184	189	189	4.61	4.31	4.39	849	815	830
Spain	435	486	467	8.51	9.11	8.90	3,700	4,426	4,154
Sweden	3	3	3	3.33	3.33	3.33	10	10	10
Total EU	4,095	4,268	4,132	8.50	9.03	8.48	34,794	38,522	35,041
Switzerland	24	25	22	8.96	8.80	8.41	215	220	185
Albania	60	63	60	3.33	3.49	3.33	200	220	200
Bulgaria	410	450	380	2.37	3.33	3.16	970	1,500	1,200
Czech Republic	33	41	58	5.12	4.95	3.10	169	203	180
Hungary	1,053	1,000	1,100	5.70	6.80	5.45	6,000	6,800	6,000
Poland	69	77	85	5.07	5.42	5.84	350	417	496
Romania	3,290	3,030	3,000	2.92	4.18	2.83	9,610	12,680	8,500
Slovakia	130	138	116	5.77	5.93	5.49	750	819	637
Yugoslavia	2,135	2,115	2,115	3.79	4.59	3.88	8,100	9,700	8,200
Total Eastern Europe	7,180	6,914	6,914	3.64	4.68	3.68	26,149	32,339	25,413
Fmr. Soviet Union:									
Azerbaijan	13	8	15	1.08	1.25	1.33	14	10	20
Georgia	188	230	250	2.61	1.96	2.00	491	450	500
Kyrgyzstan	46	40	40	3.96	4.25	3.75	182	170	150
Kazakhstan	84	40	65	1.45	2.78	1.54	122	111	100
Moldova	358	401	340	2.76	4.14	3.53	988	1,660	1,200
Russian Fed.	619	850	800	1.78	3.18	1.00	1,100	2,700	800
Tajikistan	24	40	8	3.75	0.63	3.13	90	25	25
Turkmenistan	20	20	20	3.00	2.50	2.50	60	50	50
Ukraine	671	1,350	910	2.74	3.96	2.53	1,840	5,340	2,300
Uzbekistan	40	40	40	3.43	3.50	3.50	137	140	140
Total	2,063	3,019	2,488	2.44	3.53	2.12	5,024	10,656	5,285
Africa:									
Algeria	1	1	1	2.00	2.00	2.00	2	2	2
Angola	725	725	725	0.55	0.51	0.69	400	370	500
Benin	450	550	575	1.11	1.18	1.13	500	650	650
Botswana	30	30	30	0.50	0.33	0.33	15	10	10
Burkina Faso	230	240	240	1.30	1.50	1.98	300	360	475
Burundi	110	115	115	1.32	1.26	1.17	145	145	135
Cameroon	375	300	300	2.00	2.00	2.00	750	600	600
Cape Verde	15	15	15	0.67	0.67	0.67	10	10	10
Central African Republic	90	90	90	0.83	0.89	0.89	75	80	80
Chad	85	100	130	0.88	1.00	1.31	75	100	170
Congo (Brazzaville)	30	30	30	0.83	0.67	0.73	25	20	22
Cote d'Ivoire	690	700	690	0.90	0.91	0.90	620	640	620
Egypt	876	837	737	6.65	7.18	7.61	5,825	6,010	5,605

See footnotes at end of table.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1996/97–1998/99¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1996/ 97	1997/ 98	1998/ 99 ³	1996/ 97	1997/ 98	1998/ 99 ³	1996/ 97	1997/ 98	1998/ 99 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Continued									
Ethiopia	1,950	1,750	1,900	1.64	1.71	1.74	3,200	3,000	3,300
Gambia, The	15	10	15	1.33	1.00	1.33	20	10	20
Ghana	665	660	700	1.50	1.52	1.43	1,000	1,000	1,000
Guinea	85	85	85	0.94	0.94	0.94	80	80	80
Guinea-Bissau	15	15	15	1.00	1.00	1.00	15	15	15
Kenya	1,500	1,575	1,600	1.44	1.43	1.50	2,160	2,250	2,400
Lesotho	145	100	100	1.03	1.00	1.25	150	100	125
Madagascar	190	190	190	0.95	0.95	0.79	180	180	150
Malawi	1,250	1,250	1,350	0.98	1.40	1.78	1,225	1,750	2,400
Mali	205	200	200	1.29	1.50	1.63	265	300	325
Mauritania	3	3	3	1.00	1.00	1.00	3	3	3
Morocco	245	341	300	0.86	1.10	1.00	210	375	300
Mozambique	1,100	1,250	1,300	0.95	0.88	0.88	1,050	1,100	1,150
Nigeria	3,500	3,450	3,400	1.43	1.42	1.46	5,000	4,900	4,950
Rwanda	60	70	75	1.17	1.14	1.07	70	80	80
Senegal	85	60	55	1.06	1.00	0.80	90	60	44
Sierra Leone	10	10	10	1.00	1.00	1.00	10	10	10
Somalia	200	250	200	0.80	0.60	0.63	160	150	125
South Africa, Rep. of	3,361	2,956	2,900	3.02	2.55	2.45	10,136	7,544	7,100
Swaziland	60	60	60	1.67	1.67	1.67	100	100	100
Tanzania, United Rep.	1,650	1,625	2,000	1.61	1.29	1.35	2,650	2,100	2,700
Togo	380	400	355	1.05	1.13	0.99	400	450	350
Tunisia	1	1	1	1.00	1.00	1.00	1	1	1
Uganda	590	600	600	1.53	1.25	1.25	900	750	750
Zaire	1,350	1,300	1,350	0.81	0.77	0.89	1,100	1,000	1,200
Zambia	600	450	600	1.67	1.22	1.50	1,000	550	900
Zimbabwe	1,640	1,225	1,450	1.17	1.19	1.03	1,922	1,460	1,500
Total	24,562	23,619	24,492	1.70	1.62	1.63	41,839	38,315	39,957
Asia:									
Afghanistan	230	200	200	1.22	1.25	1.20	280	250	240
Burma	160	160	160	1.56	1.56	1.56	250	250	250
Bhutan	50	50	50	1.70	1.70	1.70	85	85	85
Cambodia	50	50	50	1.30	1.30	1.30	65	65	65
China, People's Republic of	24,498	23,775	25,239	5.20	4.39	5.27	127,470	104,300	132,954
Indonesia	3,200	2,900	3,200	1.86	1.97	2.03	5,950	5,700	6,500
India	6,248	6,305	5,980	1.70	1.72	1.80	10,612	10,852	10,780
Iran	150	160	170	4.67	4.69	5.00	700	750	850
Iraq	140	140	140	1.79	1.79	1.79	250	250	250
Japan	1	1	1	1.00	1.00	1.00	1	1	1
Jordan	1	1	1	1.00	1.00	1.00	1	1	1
Korea, Democratic People's Rep	600	600	625	3.00	2.50	3.04	1,800	1,500	1,900
Korea, Rep. of	18	21	21	4.00	4.14	3.81	72	87	80
Lebanon	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia	25	26	27	1.80	1.85	1.85	45	48	50
Nepal	790	800	870	1.65	1.69	1.70	1,300	1,350	1,475
Pakistan	872	869	884	1.44	1.44	1.47	1,260	1,251	1,302
Philippines	2,718	2,366	2,766	1.55	1.49	1.77	4,215	3,528	4,894
Saudi Arabia	3	3	3	1.33	1.33	1.33	4	4	4
Syria	73	75	80	3.42	4.04	4.06	250	303	325
Taiwan	46	26	19	4.76	4.62	4.74	219	120	90
Thailand	1,200	1,080	1,290	3.25	3.43	3.33	3,900	3,700	4,300
Turkey	550	600	650	3.64	3.50	3.54	2,000	2,100	2,300
Vietnam	615	620	620	2.44	2.42	2.42	1,500	1,500	1,500
Yemen	35	32	30	1.43	1.63	1.67	50	52	50
Total	42,275	40,862	43,078	3.84	3.38	3.95	162,281	138,049	170,248
Oceania:									
Australia	68	64	60	5.85	4.23	5.37	398	271	322
New Zealand	15	15	15	9.67	9.67	9.67	145	145	145
Total	83	79	75	6.54	5.27	6.23	543	416	467
World total	140,989	135,618	139,015	4.20	4.24	4.35	592,040	574,873	605,045

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1994 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1994 and ends early in 1995. ² Harvested area as far as possible. ³ Preliminary.

FAS, Production Estimates and Crop Assessment Division, (202) 720-0888. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-44.—Corn: International trade, 1997–99¹

Country	1996/97	1997/98	1998/99 ²
	1,000 metric tons	1,000 Metric tons	1,000 metric tons
Exports:			
Argentina	10,203	12,756	7,849
China	3,892	6,173	3,338
Hungary	1,122	1,289	1,766
Romania	536	852	400
South Africa	2,200	1,041	1,000
Ukraine	9	593	353
EU	243	382	300
Others	2,290	2,104	1,940
Subtotal	20,495	25,190	16,946
United States	46,579	37,697	51,886
Total	67,074	62,887	68,832
Imports:			
Algeria	995	943	1,100
Brazil	513	1,324	968
Canada	879	1,418	903
Chile	783	851	1,268
China	75	287	270
Colombia	1,674	1,694	1,570
Costa Rica	375	382	429
Dominican Republic	733	671	816
Ecuador	114	263	286
Egypt	3,196	3,259	3,700
Guatemala	328	258	400
Indonesia	895	570	475
Iran	1,503	900	750
Israel	731	530	650
Japan	15,963	16,422	16,336
Jordan	442	485	500
Korea, North	503	347	200
Korea, South	8,336	7,528	7,517
Malaysia	2,485	2,145	2,500
Mexico	3,141	4,376	5,612
Morocco	687	553	750
Peru	840	1,228	1,000
Philippines	446	455	150
Poland	632	383	200
Russia	230	118	650
Saudi Arabia	1,272	1,234	1,500
South Africa	313	106	300
Taiwan	5,741	4,474	4,575
Thailand	231	243	150
Tunisia	474	336	625
Turkey	929	695	1,000
Venezuela	1,494	1,161	1,500
Zimbabwe	200	404	350
EU	2,595	2,065	3,000
O.W. Europe	404	170	235
United States	285	126	388
Subtotal	60,437	58,404	62,623
Other Countries	5,352	3,900	5,143
Unaccounted	1,285	583	1,066
World Total	67,074	62,887	68,832

¹ Year beginning Oct 1. ² Preliminary.

FAS, Grain and Feed Division, (202) 720-6219. Prepared or estimated on the basis of official statistics from foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-45.—Corn: Support operations, United States, 1990–99

Marketing year beginning September 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan ⁴		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target ³	Quantity	Percentage of production		
	Dollars	Dollars	Dollars	Million bushels	Percent	Million bushels	Million bushels
1990/91	0.51	1.57	2.75	1,071	13.5	285	371
1991/92	0.41	1.62	2.75	1,006	13.5	291	113
1992/93	0.73	1.72	2.75	1,646	17.4	0	56
1993/94	0.28	1.72	2.75	618	9.8	0	45
1994/95	0.57	1.89	2.75	2,002	19.9	0	42
1995/96	0.00	1.89	2.75	676	9.1	0	30
1996/97	0.251	1.89	NA	970	10.5	0	2
1997/98	0.486	1.89	NA	1,140	12.4	2	4
1998/99	0.377	1.89	NA	1,755	18.0	24	12
1999/2000	0.363	1.89	NA	.....	.....	.....	.....

¹ Payment rates for the 1995/96 and prior crops years were calculated according to the provisions of the now defunct deficiency payment/production adjustment program. Payment rates for the 1996/97 and subsequent crops are calculated according to the provisions of the Production Flexibility Contract (PFC) program, following enactment of the Federal Agriculture Improvement Act of 1996 (1996 Act). PFC payment rates are rounded to the nearest tenth of a cent. ² The national average loan rate was also known as the price support rate prior to enactment of the 1996 Act. ³ Beginning with the 1996/97 marketing year, target prices are no longer applicable. ⁴ Represents loans made, purchases, and purchase agreements entered into. Purchases and purchase agreements are no longer authorized for the 1996 and subsequent crops following enactment of the 1996 Act. Percentage of production is on a grain basis. ⁵ Acquisition of all loans forfeited during the marketing year including loans made in previous year. NA-not applicable.

FSA, Feed Grains & Oilseeds Analysis Group, (202) 720-8838.

Table 1-46.—Corn: United States exports, specified by country of destination, 1997/98–1998/99¹

Country of destination	Year		Country of destination	Year	
	1997/98	1998/99		1997/98	1998/99
	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons
Corn:					
Canada	1,403	903			
Mexico	4,373	5,591			
Venezuela	645	1,329			
Peru	370	635			
Brazil	1	121			
Chile	104	526			
Other Americas	2,131	3,289			
Total Americas	9,027	12,394			
European Union	166	161			
Other Western Europe	27	169			
Total W. Europe	193	330			
Poland	0	0			
Former Soviet Union	0	405			
Other E. Europe	19	12			
Total E. Europe and Former Soviet Union	20	417			
			Korea, Rep. of	3,364	6,659
			Taiwan	3,488	4,538
			Japan	13,957	15,318
			Other Asia	688	1,057
			Total Asia	21,497	27,571
			Egypt	1,951	2,954
			Nigeria	4	.....
			Other Africa	1,651	2,536
			Total Africa	3,606	5,489
			Other countries	3,354	5,685
			World total	37,697	51,886

¹ Year beginning Oct. 1.
FAS, Grain and Feed Division, (202) 720-6219.

Table 1-47.—Oats: Area, yield, production, and value, United States, 1990–99

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted ¹	Harvested				
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
1990	10,423	5,947	60.1	357,654	1.14	417,762
1991	8,653	4,816	50.6	243,851	1.21	309,735
1992	7,943	4,496	65.4	294,229	1.32	399,595
1993	7,937	3,803	54.4	206,731	1.36	290,948
1994	6,637	4,008	57.1	228,844	1.22	299,627
1995	6,225	2,952	54.6	161,094	1.67	278,941
1996	4,668	2,655	57.7	153,245	1.96	313,910
1997	5,068	2,813	59.5	167,246	1.60	273,284
1998	4,892	2,755	60.2	165,981	1.10	199,748
1999 ²	4,670	2,453	59.6	146,218	1.10	169,873

¹ Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall. ² Preliminary. NASS, Crops Branch, (202) 720–2127.

Table 1-48.—Oats: Stocks on and off farms, United States, 1990–99

Year beginning September	On farms				Off farms ¹			
	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1
1990 ²	234,700	194,700	138,600	92,400	117,009	99,398	90,659	78,831
1991	173,600	148,100	98,150	61,000	110,487	96,508	76,735	66,721
1992	199,900	161,200	110,250	66,130	94,717	81,292	64,875	47,063
1993	161,000	124,200	85,050	53,940	58,004	69,517	61,502	51,583
1994	144,300	113,400	78,400	46,750	75,551	78,664	70,575	53,848
1995	107,200	87,200	57,350	32,600	72,967	65,804	55,268	33,708
1996	93,400	80,650	56,200	33,100	38,459	45,218	39,330	33,576
1997	105,950	83,200	58,800	34,500	48,972	61,051	52,418	39,498
1998	110,300	81,500	61,700	40,700	51,502	61,835	50,850	40,678
1999 ³	97,300	82,100	NA	NA	51,151	53,973	NA	NA

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. ² Per program modifications: stocks estimates for oats were restored for Sept. 1, Dec. 1, and Mar. 1. ³ Preliminary. NA—not available. NASS, Crops Branch, (202) 720–2127.

Table 1-49.—Oats: Supply and disappearance, United States, 1989–98

Year beginning June 1	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ¹	Government	Total
					Feed and residual	Food and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1989	98	374	66	538	283	97	381	1	381	156	1	157
1990	157	358	63	578	312	94	406	1	407	171	(²)	171
1991	171	244	75	490	266	94	360	2	362	128	(²)	128
1992	128	294	55	477	263	95	358	6	364	113	(²)	113
1993	113	207	107	427	225	93	318	3	321	106	0	106
1994	106	229	93	428	233	93	326	1	327	101	0	101
1995	101	161	81	342	182	92	274	2	276	66	0	66
1996	66	153	97	317	153	95	248	3	250	67	0	67
1997	67	167	98	332	161	95	256	2	258	74	0	74
1998 ³	74	166	108	348	170	95	265	2	266	81	0	81

¹ Includes quantity under loan and farmer-owned reserve. ² Less than 500,000 bushels. ³ Preliminary. Totals may not add due to independent rounding. ERS, Market and Trade Economics Division, (202) 694–5296.

Table 1-50.—Oats: Support operations, United States, 1990–99

Marketing Year beginning June 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under loan ⁴		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target ³	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1990/91	0.32	0.81	1.45	1.6	0.4	0.0	0.4
1991/92	0.35	0.83	1.45	1.7	0.7	0.0	0.2
1992/93	0.17	0.88	1.45	2.8	1.0	0.0	0.1
1993/94	0.11	0.88	1.45	1.8	0.9	0.0	0.0
1994/95	0.19	0.97	1.45	1.9	0.8	0.0	0.0
1995/96	0.00	0.97	1.45	0.7	0.4	0.0	0.0
1996/97	0.033	1.03	NA	1.5	1.0	0.0	0.0
1997/98	0.031	1.11	NA	2.4	1.4	0.0	0.0
1998/99	0.031	1.11	NA	4.5	2.7	0.1	0.0
1999/2000	0.030	1.13	NA				

¹ Payment rates for the 1995/96 and prior crops years were calculated according to the provisions of the now defunct deficiency payment/production adjustment program. Payment rates for the 1996/97 and subsequent crops are calculated according to the provisions of the Production Flexibility Contract (PFC) program, following enactment of the Federal Agriculture Improvement Act of 1996 (1996 Act). PFC payment rates are rounded to the nearest tenth of a cent. ² The national average loan rate was also known as the price support rate prior to enactment of the 1996 Act. ³ Beginning with the 1996/97 marketing year, target prices are no longer applicable. ⁴ Represents loans made, purchases, and purchase agreements entered into. Purchases and purchase agreements are no longer authorized for the 1996 and subsequent crops following enactment of the 1996 Act. Percentage of production is on a grain basis. ⁵ Acquisition of all loans forfeited during the marketing year including loans made in previous year. NA-not applicable.

FSA, Feed Grains & Oilseeds Analysis Group, (202) 720-8838.

Table 1-51.—Oats: Area, yield, and production, by States, 1997–99

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1997	1998	1999 ²	1997	1998	1999 ²	1997	1998	1999 ²	1997	1998	1999 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AL	35	35	40	20	17	20	48.0	48.0	44.0	960	816	880
AR	12	10	13	10	9	11	75.0	80.0	91.0	750	720	1,001
CA	350	320	275	30	30	30	80.0	75.0	85.0	2,400	2,250	2,550
CO	70	90	50	25	25	20	68.0	70.0	65.0	1,700	1,750	1,300
GA	65	50	60	30	25	25	56.0	53.0	55.0	1,680	1,325	1,375
ID	80	80	80	21	30	25	75.0	75.0	68.0	1,575	2,250	1,700
IL	100	85	75	75	70	60	74.0	56.0	71.0	5,550	3,920	4,260
IN	60	50	40	30	30	25	60.0	50.0	65.0	1,800	1,500	1,625
IA	330	280	250	230	185	175	73.0	59.0	65.0	16,790	10,915	11,375
KS	130	110	120	80	60	70	59.0	45.0	47.0	4,720	2,700	3,290
ME	26	25	27	23	24	22	73.0	73.0	80.0	1,679	1,752	1,760
MD	9	9	8	7	7	5	55.0	50.0	51.0	385	350	255
MI	95	110	100	80	100	75	61.0	48.0	65.0	4,880	4,800	4,875
MN	400	350	360	300	310	300	58.0	63.0	59.0	17,400	19,530	17,700
MO	40	22	35	25	13	22	61.0	47.0	46.0	1,525	611	1,012
MT	140	140	170	70	60	70	55.0	54.0	46.0	3,850	3,240	3,220
NE	160	170	135	90	95	75	65.0	56.0	62.0	5,850	5,320	4,650
NY	100	115	100	90	105	70	65.0	62.0	68.0	5,850	6,510	4,760
NC	55	40	60	25	20	30	64.0	58.0	68.0	1,600	1,160	2,040
ND	700	730	650	425	420	330	44.0	60.0	51.0	18,700	25,200	16,830
OH	120	120	120	90	100	100	74.0	65.0	70.0	6,660	6,500	7,000
OK	75	60	75	40	20	30	44.0	41.0	43.0	1,760	820	1,290
OR	80	65	40	31	35	20	92.0	110.0	100.0	2,852	3,850	2,000
PA	185	190	170	155	160	145	58.0	53.0	55.0	8,990	8,480	7,975
SC	50	40	55	25	25	35	56.0	45.0	52.0	1,400	1,125	1,820
SD	380	420	320	270	300	200	55.0	67.0	64.0	14,850	20,100	12,800
TX	550	600	670	130	130	110	52.0	53.0	44.0	6,760	6,890	4,840
UT	50	50	45	10	9	9	72.0	70.0	75.0	720	630	675
WA	35	30	30	17	15	15	80.0	75.0	75.0	1,360	1,125	1,125
WV	6	6	7	4	4	2	50.0	50.0	48.0	200	200	96
WI	510	430	430	320	300	300	63.0	61.0	62.0	20,160	18,300	18,600
WY	70	60	60	35	22	27	54.0	61.0	57.0	1,890	1,342	1,539
US	5,068	4,892	4,670	2,813	2,755	2,453	59.5	60.2	59.6	167,246	165,981	146,218

¹ Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall. ² Preliminary. NASS, Crops Branch, (202) 720-2127.

Table 1-52.—Oats: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per bushel			Value of production		
	1997	1998	1999 ¹	1997	1998	1999 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL	1.70	2.05	1.70	1,632	1,673	1,496
AR	2.15	1.45	1.95	1,613	1,044	1,952
CA	1.98	1.36	1.50	4,752	3,060	3,825
CO	2.05	1.70	1.70	3,485	2,975	2,210
GA	1.87	1.50	1.70	3,142	1,988	2,338
ID	1.64	1.30	1.05	2,583	2,925	1,785
IL	1.71	1.52	1.30	9,491	5,958	5,538
IN	1.94	1.74	1.50	3,492	2,610	2,438
IA	1.63	1.24	1.05	27,368	13,535	11,944
KS	1.52	1.56	1.30	7,174	4,212	4,277
ME	1.20	0.97	0.85	2,015	1,699	1,496
MD	1.75	1.65	1.62	674	578	413
MI	1.86	1.42	1.35	9,077	6,816	6,581
MN	1.46	1.02	0.90	25,404	19,921	15,930
MO	1.85	1.60	1.50	2,821	978	1,518
MT	1.33	1.18	1.05	5,121	3,823	3,381
NE	1.79	1.19	1.00	10,472	6,331	4,650
NY	1.70	1.41	1.45	9,945	9,179	6,902
NC	1.80	1.70	1.45	2,880	1,972	2,958
ND	1.32	0.93	0.85	24,684	23,436	14,306
OH	1.76	1.38	1.45	11,722	8,970	10,150
OK	2.10	1.80	1.50	3,696	1,476	1,935
OR	1.77	1.39	1.40	5,048	5,352	2,800
PA	1.84	1.46	1.55	16,542	12,381	12,361
SC	1.55	1.35	1.30	2,170	1,519	2,366
SD	1.56	1.03	1.05	23,166	20,703	13,440
TX	2.36	1.44	1.55	15,954	9,922	7,502
UT	1.97	1.45	1.50	1,418	914	1,013
WA	1.75	1.00	1.16	2,380	1,125	1,305
WV	2.07	1.31	1.60	414	262	154
WI	1.46	1.10	1.00	29,434	20,130	18,600
WY	1.86	1.70	1.50	3,515	2,281	2,309
US	1.60	1.10	1.10	273,284	199,748	169,873

¹ Preliminary.

NASS, Crops Branch, (202) 720-2127.

Table 1-53.—Oats: Area, yield, and production in specified countries, 1996/97–1998/99¹

Country and continent	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada	1,684	1,500	1,592	2.59	2.32	2.49	4,361	3,485	3,958
Mexico	100	100	100	1.00	1.00	1.00	100	100	100
United States	1,074	1,138	1,115	2.07	2.13	2.16	2,224	2,428	2,409
Total	2,858	2,738	2,807	2.34	2.20	2.30	6,685	6,013	6,467
Argentina	250	290	275	1.24	1.76	1.40	310	510	385
Brazil	200	210	210	1.07	1.36	1.19	214	286	250
Chile	104	75	79	3.23	3.33	2.54	336	250	201
Colombia	3	3	3	1.33	1.33	1.33	4	4	4
Ecuador	1	1	1	1.00	1.00	1.00	1	1	1
Uruguay	90	90	90	0.33	0.33	0.33	30	30	30
Total	648	669	658	1.38	1.62	1.32	895	1,081	871
Europe:									
Austria	41	46	42	3.71	4.28	4.05	152	197	170
Belgium	8	8	8	4.00	4.00	4.00	32	32	32
Denmark	32	30	31	5.13	5.17	5.19	164	155	161
Finland	374	369	387	3.37	3.37	2.52	1,261	1,243	975
France	141	133	139	4.41	4.24	4.73	622	564	658
Germany	302	310	264	5.32	5.16	4.84	1,606	1,599	1,278
Greece	40	45	45	1.75	1.78	1.78	70	80	80
Ireland	18	18	18	6.11	6.11	6.11	110	110	110
Italy	142	151	152	2.46	2.06	2.49	350	311	378
Netherlands	2	2	2	5.50	5.50	5.50	11	11	11

See footnotes at end of table.

Table 1-53.—Oats: Area, yield, and production in specified countries, 1996/97–1998/99¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1996/ 97	1997/ 98	1998/ 99 ³	1996/ 97	1997/ 98	1998/ 99 ³	1996/ 97	1997/ 98	1998/ 99 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe, cont.:									
Portugal	68	70	45	0.97	0.64	0.56	66	45	25
Spain	394	396	398	1.66	1.26	1.75	653	500	698
Sweden	278	315	311	4.32	4.05	3.65	1,200	1,275	1,136
United Kingdom	96	105	96	6.14	5.14	5.54	589	540	532
Total EU	1,936	1,998	1,938	3.56	3.33	3.22	6,886	6,662	6,244
Norway	96	93	93	4.18	3.90	4.23	401	363	393
Switzerland	9	9	7	4.89	4.67	5.43	44	42	38
Total	105	102	100	4.24	3.97	4.31	445	405	431
Albania	20	11	20	1.25	1.36	0.75	25	15	15
Bulgaria	35	41	31	1.17	1.32	1.61	41	54	50
Czech Republic	66	78	60	3.24	3.17	3.17	214	247	190
Hungary	48	50	52	2.29	2.50	2.54	110	125	132
Poland	625	626	561	2.53	2.60	2.60	1,581	1,630	1,460
Romania	220	200	225	1.32	1.65	1.56	290	330	350
Slovakia	18	18	17	2.28	2.78	2.65	41	50	45
Yugoslavia	130	125	133	1.73	1.88	1.80	225	235	240
Total E. Europe	1,162	1,149	1,099	2.17	2.34	2.26	2,527	2,686	2,482
Fmr. Soviet Union:									
Azerbaijan	0	1	0	0	0	0	0	0	0
Armenia	0	1	0	0	0	0	0	0	0
Byelarus	335	340	300	2.11	2.06	2.33	707	700	700
Estonia	48	50	50	2.40	2.00	2.00	115	100	100
Georgia	6	7	7	0.67	0.71	0.71	4	5	5
Kyrgyzstan	2	3	3	2.00	2.67	2.67	4	8	8
Kazakhstan	452	65	100	0.79	0.77	0.60	359	50	60
Latvia	56	50	50	1.80	2.32	2.40	101	116	120
Lithuania	52	58	60	1.96	2.07	2.00	102	120	120
Moldova	3	3	3	2.67	2.33	2.33	8	7	7
Russian Fed.	6,929	6,500	5,200	1.20	1.45	0.88	8,300	9,400	4,600
Tajikistan	0	1	0	0	0	0	0	0	0
Ukraine	482	553	549	1.51	1.92	1.35	730	1,062	740
Total	8,365	7,632	6,322	1.25	1.52	1.02	10,430	11,568	6,460
Algeria	100	40	120	1.00	0.50	0.83	100	20	100
Morocco	40	40	40	0.75	0.75	0.75	30	30	30
South Africa, Rep. of	675	700	700	0.05	0.06	0.06	34	45	45
Total	815	780	860	0.20	0.12	0.20	164	95	175
Asia:									
China, People's Republic	500	450	550	1.20	0.89	1.18	600	400	650
Japan	1	1	1	2.00	2.00	2.00	2	2	2
Turkey	161	158	172	1.71	1.77	1.80	275	280	310
Total	662	609	723	1.32	1.12	1.33	877	682	962
Oceania:									
Australia	1,089	933	950	1.52	1.75	1.98	1,653	1,634	1,880
New Zealand	20	20	20	3.75	3.75	3.75	75	75	75
Total	1,109	953	970	1.56	1.79	2.02	1,728	1,709	1,955
World total	17,660	16,630	15,477	1.73	1.86	1.68	30,637	30,901	26,047

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1994 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1994 and ends early in 1995. ² Harvested area as far as possible. ³ Preliminary.

FAS Production Estimates and Crop Assessment Division, (202) 720-0888. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 1-54.—Barley: Area, yield, production, and value, United States, 1990–99

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted ¹	Harvested				
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
1990	8,221	7,529	56.1	422,196	2.14	911,545
1991	8,941	8,413	55.2	464,326	2.10	996,542
1992	7,762	7,285	62.5	455,090	2.04	946,463
1993	7,786	6,753	58.9	398,041	1.99	812,889
1994	7,159	6,667	56.2	374,862	2.03	783,709
1995	6,689	6,279	57.2	359,376	2.89	1,028,183
1996	7,094	6,707	58.5	392,433	2.74	1,080,940
1997	6,706	6,198	58.1	359,878	2.38	861,620
1998	6,337	5,864	60.0	352,125	1.98	686,517
1999 ²	5,223	4,758	59.2	281,853	2.05	552,941

¹ Barley sown for all purposes, including barley sown in the preceding fall. ² Preliminary. NASS, Crops Branch, (202) 720–2127.

Table 1-55.—Barley: Stocks on and off farms, United States, 1990–99

Year beginning October	On farms				Off farms ¹			
	Sep. 1	Dec. 1	Mar. 1	June 1	Sep. 1	Dec. 1	Mar. 1	June 1
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1990	258,400	176,400	94,850	48,990	152,453	129,327	116,062	86,392
1991	271,000	196,300	102,000	45,140	168,952	132,087	113,890	83,457
1992	261,000	198,350	122,880	68,220	157,402	148,226	121,057	82,962
1993	277,600	194,150	116,475	63,870	125,102	139,277	107,807	74,988
1994	220,150	166,300	86,800	37,905	131,740	112,560	106,156	74,688
1995	198,900	121,400	58,825	25,600	113,624	121,110	119,107	73,993
1996	191,700	135,700	82,060	43,715	122,078	110,522	90,840	65,735
1997	195,500	134,500	81,900	43,700	131,347	109,561	98,299	75,533
1998	193,500	149,000	86,900	52,000	132,674	121,535	113,808	89,653
1999 ²	165,100	108,600	NA	NA	130,145	119,996	NA	NA

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. ² Preliminary. NA-not available. NASS, Crops Branch, (202) 720–2127.

Table 1-56.—Barley: Supply and disappearance, United States, 1989–98

Year beginning June 1	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ¹	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1989	196	404	13	614	195	174	369	84	453	142	19	161
1990	161	422	13	596	206	174	380	81	461	127	8	135
1991	135	464	25	624	228	173	401	94	496	122	7	129
1992	129	455	11	595	191	173	364	80	444	146	5	151
1993	151	398	71	621	244	172	416	66	482	134	5	139
1994	139	375	66	580	228	173	401	66	467	108	5	113
1995	113	359	41	513	179	172	351	62	413	95	4	100
1996	100	392	37	529	217	172	389	31	419	109	0	109
1997 ²	109	360	40	510	144	172	316	74	390	119	0	119
1998 ²	119	352	30	501	161	170	331	28	360	142	0	142

¹ Includes quantity under loan and farmer-owned reserve. ² Preliminary. Totals may not add due to independent rounding.

ERS, Market and Trade Economics Division, (202) 694–5296.

Table 1-57.—Barley: Area, yield, and production, by States, 1997–99

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1997	1998	1999 ²	1997	1998	1999 ²	1997	1998	1999 ²	1997	1998	1999 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AZ	70	58	63	67	56	62	102.0	110.0	114.0	6,834	6,160	7,068
CA	230	170	170	150	125	125	57.0	60.0	64.0	8,550	7,500	8,000
CO	95	90	95	89	82	86	108.0	115.0	105.0	9,612	9,430	9,030
DE	40	34	30	35	30	26	89.0	60.0	84.0	3,115	1,800	2,184
ID	770	780	710	750	760	690	79.0	78.0	78.0	59,250	59,280	53,820
KS	10	8	16	8	8	13	42.0	35.0	45.0	336	280	585
KY	9	8	9	7	7	8	70.0	63.0	80.0	490	441	640
MD	55	60	55	50	54	50	80.0	64.0	80.0	4,000	3,456	4,000
MI	25	27	23	22	23	21	58.0	50.0	66.0	1,276	1,150	1,386
MN	500	440	200	460	415	180	51.0	55.0	47.0	23,460	22,825	8,460
MT	1,250	1,350	1,300	1,150	1,200	1,150	53.0	48.0	50.0	60,950	57,600	57,500
NE	10	10	5	9	8	3	51.0	50.0	48.0	459	400	144
NV	5	5	5	5	4	4	100.0	100.0	90.0	500	400	360
NJ	5	6	6	4	4	4	74.0	58.0	79.0	296	232	316
NC	24	25	24	20	20	19	68.0	57.0	80.0	1,360	1,140	1,520
ND	2,400	2,000	1,350	2,250	1,930	1,240	45.0	55.0	48.0	101,250	106,150	59,520
OK	6	7	4	5	5	3	42.0	47.0	39.0	210	235	117
OR	126	150	145	116	130	135	69.0	62.0	51.0	8,004	8,060	6,885
PA	72	80	75	68	75	70	67.0	67.0	71.0	4,556	5,025	4,970
SC	4	4	3	3	3	2	60.0	47.0	60.0	180	141	120
SD	130	115	80	120	95	74	38.0	48.0	48.0	4,560	4,560	3,552
TX	10	10	15	5	5	10	47.0	43.0	35.0	235	215	350
UT	100	95	90	95	85	83	84.0	83.0	82.0	7,980	7,055	6,806
VA	75	90	80	60	70	60	82.0	61.0	82.0	4,920	4,270	4,920
WA	490	530	500	480	520	490	74.0	65.0	59.0	35,520	33,800	28,910
WI	80	80	80	65	65	65	55.0	52.0	52.0	3,575	3,380	3,380
WY	115	105	90	105	85	85	80.0	84.0	86.0	8,400	7,140	7,310
US	6,706	6,337	5,223	6,198	5,864	4,758	58.1	60.0	59.2	359,878	352,125	281,853

¹ Includes area planted in the preceding fall. ² Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-58.—Barley: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per bushel			Value of production		
	1997	1998	1999 ¹	1997	1998	1999 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AZ	2.90	2.45	2.40	19,819	15,092	16,963
CA	2.75	2.33	2.05	23,513	17,475	16,400
CO	2.98	2.84	2.65	28,644	26,781	23,930
DE	1.95	1.27	1.35	6,074	2,286	2,948
ID	2.82	2.40	2.50	167,085	142,272	134,550
KS	2.69	2.10	2.00	904	588	1,170
KY	2.06	1.31	1.30	1,009	578	832
MD	2.05	1.30	1.35	8,200	4,493	5,400
MI	1.90	1.50	1.70	2,424	1,725	2,356
MN	1.88	1.62	1.25	44,105	36,977	10,575
MT	2.83	2.27	2.15	172,489	130,752	123,625
NE	2.20	1.80	1.40	1,010	720	202
NV	2.85	2.45	2.35	1,425	980	846
NJ	2.00	1.11	1.20	592	258	379
NC	2.10	1.80	1.55	2,856	2,052	2,356
ND	1.96	1.67	1.75	198,450	177,271	104,160
OK	2.15	1.60	1.80	452	376	211
OR	2.39	1.70	1.65	19,130	13,702	11,360
PA	2.01	1.52	1.40	9,158	7,638	6,958
SC	2.05	1.80	1.80	369	254	216
SD	2.23	1.82	2.00	10,169	8,299	7,104
TX	2.30	2.05	1.70	541	441	595
UT	2.29	1.86	1.70	18,274	13,122	11,570
VA	2.10	1.40	1.30	10,332	5,978	6,396
WA	2.27	1.58	1.60	80,630	53,404	46,256
WI	1.70	1.25	1.15	6,078	4,225	3,887
WY	3.32	2.63	1.60	27,888	18,778	11,696
US	2.38	1.98	2.05	861,620	686,517	552,941

¹ Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-59.—Barley: Area, yield, and production in specified countries, 1996/97–1998/99¹

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada	4,888	4,700	4,269	3.18	2.88	2.98	15,562	13,527	12,709
Mexico	309	225	225	1.99	1.69	2.60	614	380	585
United States	2,714	2,508	2,373	3.15	3.12	3.23	8,544	7,835	7,667
Total	7,911	7,433	6,867	3.12	2.93	3.05	24,720	21,742	20,961
South America:									
Argentina	250	320	215	2.13	2.88	2.51	533	920	540
Bolivia	85	85	85	0.76	0.76	0.76	65	65	65
Brazil	127	148	145	1.93	2.33	2.14	245	345	310
Chile	22	27	27	3.68	4.26	3.00	81	115	81
Colombia	20	10	10	2.00	2.00	2.00	40	20	20
Ecuador	35	35	35	1.00	1.00	1.00	35	35	35
Peru	90	100	130	1.11	1.00	1.15	100	100	150
Uruguay	146	119	85	2.34	1.66	2.18	341	198	185
Total	775	844	732	1.86	2.13	1.89	1,440	1,798	1,386
Europe:									
Austria	260	261	265	4.17	4.82	4.57	1,083	1,258	1,212
Belgium-Luxembourg	70	65	65	5.71	6.77	6.15	400	440	400
Denmark	738	720	686	5.36	5.40	5.20	3,953	3,887	3,565
Finland	543	583	578	3.61	3.44	2.28	1,959	2,004	1,315
France	1,527	1,681	1,631	6.25	6.06	6.49	9,540	10,181	10,591
Germany	2,208	2,274	2,181	5.47	5.89	5.74	12,074	13,399	12,516
Greece	148	130	190	2.60	2.69	2.11	385	350	400
Ireland	184	180	185	6.39	5.83	5.81	1,175	1,049	1,075
Italy	359	357	364	3.76	3.31	3.79	1,350	1,180	1,379
Netherlands	36	42	39	6.53	6.38	5.49	235	268	214
Portugal	46	43	19	1.50	0.91	1.05	69	39	20
Spain	3,530	3,707	3,525	2.72	2.32	3.09	9,600	8,600	10,900
Sweden	459	487	429	4.60	4.36	3.93	2,113	2,125	1,686
United Kingdom	1,267	1,328	1,255	6.14	5.89	5.28	7,780	7,828	6,630
Total	11,375	11,858	11,412	4.55	4.44	4.55	51,716	52,608	51,903
Norway	175	175	158	3.83	3.77	3.92	670	660	620
Switzerland	55	50	47	6.58	6.28	6.96	362	314	327
Total W. Europe	230	225	205	4.49	4.33	4.62	1,032	974	947
Albania	10	10	10	3.00	3.00	3.00	30	30	30
Bulgaria	290	290	280	1.72	2.76	2.68	500	800	750
Czech Republic	600	647	578	3.77	3.84	3.62	2,262	2,485	2,093
Hungary	326	370	369	2.85	3.73	3.54	930	1,380	1,305
Poland	1,130	1,242	1,138	3.04	3.11	3.17	3,437	3,866	3,612
Romania	500	617	550	2.22	3.06	2.25	1,110	1,889	1,240
Slovakia	226	243	249	3.18	3.58	3.51	718	869	875
Yugoslavia	260	250	260	2.04	2.76	2.52	530	690	655
Total E. Europe	3,342	3,669	3,434	2.85	3.27	3.08	9,517	12,009	10,560

See footnotes at end of table.

Table 1-59.—Barley: Area, yield, and production in specified countries, 1996/97–1998/99¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³	1996/97	1997/98	1998/99 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Fmr. Soviet Union:									
Azerbaijan	153	115	80	1.48	1.70	1.88	227	195	150
Armenia	78	75	85	1.35	1.20	0.82	105	90	70
Byelarus	935	930	900	2.35	2.58	2.11	2,194	2,400	1,900
Estonia	147	150	150	2.16	1.87	1.87	317	280	280
Georgia	32	35	35	0.88	1.14	1.14	28	40	40
Kyrgyzstan	108	80	80	1.69	1.94	1.88	183	155	150
Kazakhstan	3,600	3,338	1,800	0.75	0.80	0.61	2,700	2,670	1,100
Latvia	191	180	180	1.95	2.00	1.94	372	360	350
Lithuania	474	504	500	2.49	2.58	2.60	1,178	1,300	1,300
Moldova	59	106	90	2.59	2.26	2.89	153	240	260
Russian Fed.	11,853	12,600	11,300	1.34	1.65	0.87	15,900	20,800	9,800
Tajikistan	30	20	20	0.67	1.00	1.00	20	20	20
Turkmenistan	23	20	20	1.09	1.00	1.00	25	20	20
Ukraine	3,426	3,704	3,567	1.67	2.00	1.65	5,725	7,407	5,870
Uzbekistan	163	100	100	1.25	1.50	0.80	203	150	80
Total	21,272	21,957	18,907	1.38	1.65	1.13	29,330	36,127	21,390
Africa:									
Algeria	1,280	264	850	1.41	0.72	0.85	1,800	190	720
Egypt	55	55	55	3.09	3.09	3.09	170	170	170
Ethiopia	1,450	1,500	1,500	1.10	1.00	1.00	1,600	1,500	1,500
Kenya	85	85	85	1.06	1.06	1.06	90	90	90
Libya	280	280	280	0.36	0.30	0.30	100	85	85
Morocco	2,430	1,996	2,426	1.58	0.66	0.81	3,831	1,324	1,970
South Africa, Rep. of	127	132	112	1.39	1.38	1.92	176	182	215
Tunisia	712	260	300	1.21	0.77	1.00	861	200	300
Zimbabwe	5	5	5	3.00	3.00	3.00	15	15	15
Total	6,424	4,577	5,613	1.35	0.82	0.90	8,643	3,756	5,065
Asia:									
Afghanistan	220	220	230	1.00	1.36	1.43	220	300	330
Bangladesh	7	7	7	0.71	0.71	0.71	5	5	5
Bhutan	5	5	5	1.00	1.00	1.00	5	5	5
China, Peoples Rep. of ...	1,300	1,300	1,200	3.08	3.08	2.92	4,000	4,000	3,500
Cyprus	60	60	60	2.00	2.50	2.50	120	150	150
India	824	757	854	1.83	1.93	1.95	1,510	1,462	1,669
Iran	1,950	1,500	1,550	1.38	1.67	1.48	2,700	2,500	2,300
Israel	12	10	8	0.50	0.60	0.50	6	6	4
Iraq	1,300	1,200	1,300	0.92	0.67	0.92	1,200	800	1,200
Japan	57	57	55	4.09	3.39	2.62	233	193	144
Jordan	50	85	85	0.86	0.53	0.53	43	45	45
Korea, Rep. of	95	69	100	4.34	3.75	4.00	412	259	400
Lebanon	5	5	5	1.20	1.20	1.20	6	6	6
Nepal	35	35	35	1.00	1.00	1.00	35	35	35
Pakistan	172	152	163	1.01	0.99	1.07	174	150	174
Saudi Arabia	71	63	57	6.34	6.35	7.02	450	400	400
Syria	1,550	1,572	1,543	1.07	0.63	0.56	1,653	983	869
Turkey	3,650	3,700	3,600	1.97	1.97	2.11	7,200	7,300	7,600
Yemen	50	50	50	1.08	0.94	1.20	54	47	60
Total	11,413	10,847	10,907	1.75	1.72	1.73	20,026	18,646	18,896
Oceania:									
Australia	3,409	3,455	3,090	1.96	1.88	1.84	6,696	6,482	5,680
New Zealand	78	80	78	4.94	5.00	5.00	385	400	390
Total	3,487	3,535	3,168	2.03	1.95	1.92	7,081	6,882	6,070
World total	66,240	64,976	61,246	2.32	2.38	2.24	153,507	154,594	137,180

¹ Years shown refer to year of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1994 is combined with estimates of the Southern Hemisphere harvests, which begin late in 1994 and end early in 1995. ² Harvested area as far as possible. ³ Preliminary.

FAS, Production Estimates and Crop Assessment Division, (202) 720-0888. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-60.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1989–98

Calendar year ¹	Wheat			Rye		Rice (milled)	
	Total consumed ²	Per capita consumption of food products		Total consumed ²	Per capita consumption of rye flour	Total consumed ⁴	Per capita consumption
		Flour ³	Cereal				
	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million cwt.</i>	<i>Pounds</i>
1989	727	130	4.0	3.5	0.6	40.0	16.1
1990	773	136	4.3	3.5	0.6	42.7	17.0
1991	791	137	4.5	3.5	0.6	43.7	17.2
1992	817	139	4.7	3.5	0.6	45.4	17.7
1993	853	143	5.0	3.3	0.6	49.5	19.1
1994	871	144	5.2	3.6	0.6	52.0	19.8
1995	858	142	5.4	3.2	0.5	52.5	19.9
1996	896	149	5.4	3.5	0.6	53.3	20.0
1997	902	150	5.4	3.3	0.5	54.7	20.3
1998 ⁹	911	146	5.4	3.7	0.6	56.7	20.8

Calendar year ¹	Corn						Oats		Barley	
	Total consumed ⁵	Per capita consumption of food products					Total consumed ⁶	Per capita consumption of oat food products	Total consumed ⁷	Per capita consumption of food products ⁸
		Flour and meal	Hominy and grits	Syrup	Sugar	Starch				
	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>
1989	714	14.6	3.1	65.3	3.8	4.1	74.0	6.4	6.7	0.8
1990	736	14.9	3.0	67.3	3.8	4.0	75.3	6.5	6.4	0.8
1991	763	15.2	2.8	72.0	3.9	4.0	76.6	6.5	6.0	0.7
1992	791	15.5	2.7	72.9	3.9	4.0	77.4	6.5	6.1	0.7
1993	831	14.7	3.1	76.2	3.9	4.0	78.3	6.5	6.3	0.7
1994	862	14.0	3.6	78.4	3.9	4.3	79.2	6.5	6.4	0.7
1995	885	13.2	4.1	80.2	4.0	4.5	80.0	6.5	6.6	0.7
1996	925	12.5	4.6	82.0	4.0	4.8	81.4	6.6	6.7	0.7
1997	954	11.8	5.0	85.9	3.8	5.0	82.2	6.5	6.9	0.7
1998 ⁹	961	11.0	5.5	87.9	3.7	5.8	83.0	6.5	7.1	0.7

¹Data are in marketing year; for corn, September 1-August 31; for oats and barley, June 1-May 31; and rice, August 1-July 31. Wheat, rye, syrup, and sugar are in calendar year. ²Excludes quantities used in alcoholic beverages. ³Includes white, whole wheat, and semolina flour. ⁴Does not include shipments to U.S. territories. Excludes rice used in alcoholic beverages. Includes imports and rice used in processed foods and pet foods. ⁵Includes an allowance for the quantity used as hominy and grits. This series is not adjusted for trade. ⁶Oats used in oatmeal, prepared breakfast foods, infant foods, and food products. ⁷Malt for food, breakfast food uses, pearl barley, and flour. ⁸Malt equivalent of barley food products. ⁹Preliminary. Estimates of corn syrup and sugar are unofficial estimates; industry data were not reported after April 1968.

ERS, Market & Trade Economics Division, (202) 694-5290. All figures are estimates based on data from private industry sources, the U.S. Department of Commerce, the Internal Revenue Service, and other Government agencies.

Table 1-61.—Barley: Support operations, United States, 1990–99

Marketing year beginning June 1	Income support payment rates per bushel ¹	Program price levels per bushel		Put under support ⁴			Owned by CCC at end of marketing year
		Loan ²	Target ³	Quantity	Percentage of production	Acquired by CCC under loan program ⁵	
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1990/91	0.50	1.28	2.36	33.8	8.0	0.4	8.4
1991/92	0.62	1.32	2.36	38.0	8.2	(6)	6.5
1992/93	0.56	1.40	2.36	42.9	9.4	0.0	5.4
1993/94	0.67	1.40	2.36	37.7	9.5	0.0	5.2
1994/95	0.52	1.54	2.36	28.2	7.5	0.0	5.0
1995/96	0.00	1.54	2.36	18.0	5.0	0.0	4.2
1996/97	0.332	1.55	NA	28.7	7.3	0.0	0.0
1997/98	0.277	1.57	NA	33.3	9.3	0.0	0.0
1998/99	0.284	1.56	NA	25.6	7.3	1.5	0.3
1999/2000	0.271	1.59	NA	.....	.....	.....	.....

¹Payment rates for the 1995/96 and prior corps years were calculated according to the provisions of the now defunct deficiency payment/production adjustment program. Payment rates for the 1996/97 and subsequent crops are calculated according to the provisions of the Production Flexibility Contract (PFC) program, following enactment of the Federal Agriculture Improvement Act of 1996 (1996 Act). PFC payment rates are rounded to the nearest tenth of a cent. ²The national average loan rate was also known as the price support rate prior to enactment of the 1996 Act. ³Beginning with the 1996/97 marketing year, target prices are no longer applicable. ⁴Represents loans made, purchases, and purchase agreements entered into. Purchases and purchase agreements are no longer authorized for the 1996 and subsequent crops following enactment of the 1996 Act. Percentage of production is on a grain basis. ⁵Acquisition of all loans forfeited during the marketing year including loans made in previous year. ⁶Less than 50,000 bushels. NA-not applicable.

FSA, Feed Grains & Oilseeds Analysis Group, (202) 720-8838.

Table 1-62.—Sorghum: Area, yield, production, and value, United States, 1990–99

Year	Area planted for all purposes ¹	Sorghum for grain ²					Sorghum for silage		
		Area harvested	Yield per harvested acre	Production	Marketing year average price per bushel ³	Value of production ³	Area harvested	Yield per harvested acre	Production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons
1990	10,535	9,089	63.1	573,303	2.12	1,220,501	527	10.2	5,377
1991	11,064	9,870	59.3	584,860	2.25	1,338,580	483	10.0	4,846
1992	13,177	12,050	72.6	875,022	1.89	1,667,194	453	12.1	5,468
1993	9,882	8,916	59.9	534,172	2.31	1,234,500	351	11.2	3,914
1994	9,787	8,882	72.7	645,741	2.13	1,323,801	362	11.9	4,316
1995	9,429	8,253	55.6	458,648	3.19	1,395,413	413	10.3	4,242
1996	13,097	11,811	67.3	795,274	2.34	1,986,316	423	11.8	4,976
1997	10,052	9,158	69.2	633,545	2.21	1,408,909	412	13.1	5,385
1998	9,626	7,723	67.3	519,933	1.66	905,468	308	11.4	3,526
1999 ⁴	9,288	8,544	69.7	595,166	1.65	970,966	320	11.6	3,716

¹ Grain and sweet sorghum for all uses, including sirup. ² Includes both grain sorghum for grain, and sweet sorghum for grain or seed. ³ Based on the reported price of grain sorghum. ⁴ Preliminary.
 NASS, Crops Branch, (202) 720-2127.

Table 1-63.—Sorghum grain: Stocks on and off farms, United States, 1991–2000

Year beginning previous Dec.	On farms				Off farms ¹			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1
1991	140,000	73,780	43,750	22,150	372,340	259,099	178,250	120,435
1992	110,200	54,960	34,140	18,840	340,262	196,286	76,247	34,352
1993	209,650	111,320	58,465	35,420	394,667	323,088	206,348	139,594
1994	105,950	59,770	32,075	16,155	340,198	216,462	96,035	31,416
1995	126,650	74,620	44,570	17,842	295,809	206,312	114,212	53,772
1996	79,090	33,000	13,955	5,500	222,149	129,641	56,433	12,871
1997	144,590	76,980	38,815	15,487	322,818	197,374	80,329	31,974
1998	99,625	56,760	27,200	13,700	274,244	177,916	68,944	35,203
1999	95,900	60,900	27,400	13,800	239,416	161,536	88,680	51,363
2000	89,300	NA	NA	NA	259,264	NA	NA	NA

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. NA-not available.
 NASS, Crops Branch, (202) 720-2127.

Table 1-64.—Sorghum: Supply and disappearance, United States, 1989–98

Year beginning September 1	Supply			Disappearance					Ending stocks Aug. 31		
	Beginning stocks	Production	Total ¹	Domestic use			Exports	Total disappearance	Privately owned ¹	Government	Total
				Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1989	440	615	1,055	508	20	528	307	835	57	163	220
1990	220	573	793	401	17	418	233	651	78	65	143
1991	143	585	727	366	17	383	291	674	45	8	53
1992	53	875	928	457	19	476	277	753	171	4	175
1993	175	534	709	440	20	460	202	662	47	1	48
1994	48	646	693	377	22	399	223	622	71	1	72
1995	72	459	530	295	19	314	198	512	18	0	18
1996	18	795	814	516	45	561	205	766	47	0	47
1997	47	634	681	365	55	420	212	632	49	0	49
1998 ³	49	520	569	262	45	307	197	504	65	0	65

¹ Includes imports. ² Includes quantity under loan and farmer-owned reserve. ³ Preliminary. Totals may not add due to independent rounding.
 ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-65.—Sorghum: Area, yield, and production, by States, 1997–99

State	Area planted for all purposes			Sorghum for grain								
				Area harvested			Yield per harvested acre			Production		
	1997	1998	1999	1997	1998	1999	1997	1998	1999	1997	1998	1999
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL	10	9	11	6	6	7	50.0	45.0	42.0	300	270	294
AR	160	140	130	150	130	125	74.0	53.0	78.0	11,100	6,890	9,750
CO	190	200	230	150	185	205	40.0	57.0	42.0	6,000	10,545	8,610
GA	65	50	50	40	30	30	45.0	38.0	45.0	1,800	1,140	1,350
IL	120	110	100	115	107	97	91.0	74.0	95.0	10,465	7,918	9,215
KS	3,650	3,500	3,600	3,400	3,300	3,400	78.0	80.0	76.0	265,200	264,000	258,400
KY	11	10	10	9	8	8	65.0	80.0	80.0	585	640	640
LA	90	130	240	88	125	235	75.0	60.0	82.0	6,600	7,500	19,270
MS	35	40	60	33	36	56	75.0	65.0	87.0	2,475	2,340	4,872
MO	420	330	320	400	320	310	92.0	83.0	71.0	36,800	26,560	22,010
NE	900	700	550	750	600	470	81.0	94.0	91.0	60,750	56,400	42,770
NM	245	200	150	227	65	135	44.0	45.0	55.0	9,988	2,925	7,425
NC	20	21	19	11	12	12	50.0	45.0	46.0	550	540	552
OK	490	410	440	450	340	400	50.0	45.0	45.0	22,500	15,300	18,000
SC	6	6	8	4	3	6	43.0	35.0	43.0	172	105	258
SD	270	200	200	160	140	80	71.0	71.0	58.0	11,360	9,940	4,640
TN	20	20	20	15	16	18	70.0	70.0	70.0	1,050	1,120	1,260
TX	3,350	3,550	3,150	3,150	2,300	2,950	59.0	46.0	63.0	185,850	105,800	185,850
US	10,052	9,626	9,288	9,158	7,723	8,544	69.2	67.3	69.7	633,545	519,933	595,166

NASS, Crops Branch, (202) 720-2127.

Table 1-66.—Sorghum: Utilization for silage, by States, 1997–99

State	Silage								
	Area harvested			Yield per acre			Production		
	1997	1998	1999	1997	1998	1999	1997	1998	1999
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	2	2	2	10.0	10.0	7.0	20	20	14
AR	5	4	4	10.0	8.0	9.0	50	32	36
CO	18	11	10	13.0	13.0	17.0	234	143	170
GA	15	15	15	10.0	9.0	10.0	150	135	150
IL	3	1	2	12.0	12.0	8.7	36	12	17
KS	130	80	90	15.0	15.0	16.0	1,950	1,200	1,440
KY	1	1	1	13.0	14.0	10.0	13	14	10
LA	1	2	1	10.0	10.0	12.0	10	20	12
MS	2	3	3	8.0	8.0	9.0	16	24	27
MO	9	5	4	11.0	10.0	8.0	99	50	32
NE	40	35	20	10.5	11.0	12.5	420	385	250
NM	15	12	10	17.0	19.0	16.0	255	228	160
NC	4	4	4	10.0	9.0	9.0	40	36	36
OK	22	18	16	12.0	7.0	5.0	264	126	80
SC	2	3	2	15.0	7.0	7.0	30	21	14
SD	60	30	65	10.5	11.0	7.5	630	330	488
TN	3	2	1	16.0	15.0	10.0	48	30	10
TX	80	80	70	14.0	9.0	11.0	1,120	720	770
US	412	308	320	13.1	11.4	11.6	5,385	3,526	3,716

NASS, Crops Branch, (202) 720-2127.

Table 1-67.—Sorghum grain: Marketing year average price and value, by States, crop of 1997, 1998, and 1999

State	Marketing year average price per bushel			Value of production		
	1997	1998	1999	1997	1998	1999
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL	2.21	2.30	1.95	663	621	573
AR	2.57	1.88	1.70	28,527	12,953	16,575
CO	2.19	1.65	1.40	13,140	17,399	12,054
GA	2.63	2.13	1.80	4,734	2,428	2,430
IL	2.38	1.90	1.65	24,907	15,044	15,205
KS	2.13	1.60	1.55	564,876	422,400	400,520
KY	2.54	1.98	1.75	1,486	1,267	1,120
LA	2.46	2.10	1.85	16,236	15,750	35,650
MS	2.49	1.91	1.90	6,163	4,469	9,257
MO	2.20	1.71	1.75	80,960	45,418	38,518
NE	2.15	1.68	1.65	130,613	94,752	70,571
NM	2.49	2.10	1.85	24,870	6,143	13,736
NC	2.58	2.02	1.70	1,419	1,091	938
OK	2.21	1.78	1.65	49,725	27,234	29,700
SC	2.30	1.90	1.80	396	200	464
SD	1.99	1.30	1.20	22,606	12,922	5,568
TN	2.57	1.91	1.70	2,699	2,139	2,142
TX	2.34	2.11	1.70	434,889	223,238	315,945
US	2.21	1.66	1.65	1,408,909	905,468	970,966

NASS, Crops Branch, (202) 720-2127.

Table 1-68.—Sorghum grain: Support operations, United States, 1990-99

Marketing year beginning September 1	Income support payment rates per cwt ¹	Program price levels per cwt		Put under support ⁴		Acquired by CCC under loan program ⁵	Owned by CCC at end of marketing year
		Loan ²	Target ³	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million cwt.</i>	<i>Percent</i>	<i>Million cwt.</i>	<i>Million cwt.</i>
1990/91	1.00	2.66	4.66	12.1	3.8	5.0	36.2
1991/92	0.66	2.75	4.66	9.5	2.9	5.4	4.6
1992/93	1.29	2.91	4.66	27.2	5.6	0.0	2.2
1993/94	0.45	2.91	4.66	8.2	2.7	0.0	1.4
1994/95	1.05	3.21	4.66	25.2	7.0	0.0	0.4
1995/96	0.00	3.21	4.66	4.0	1.6	0.0	0.0
1996/97	0.577	3.23	NA	11.4	2.6	0.0	0.0
1997/98	0.971	3.14	NA	9.8	2.8	0.1	0.1
1998/99	0.807	3.11	NA	12.0	4.1	0.6	0.2
1999/2000	0.777	3.11	NA	.....	.....	.....	.....

¹ Payment rates for the 1995/96 and prior crops years were calculated according to the provisions of the now defunct deficiency payment/production adjustment program. Payment rates for the 1996/97 and subsequent crops are calculated according to the provisions of the Production Flexibility Contract (PFC) program, following enactment of the Federal Agriculture Improvement Act of 1996 (1996 Act). PFC payment rates are rounded to the nearest tenth of a cent. ² The national average loan rate was also known as the price support rate prior to enactment of the 1996 Act. ³ Beginning with the 1996/97 marketing year, target prices are no longer applicable. ⁴ Represents loans made, purchases, and purchase agreements entered into. Purchases and purchase agreements are no longer authorized for the 1996 and subsequent crops following enactment of the 1996 Act. Percentage of production is on a grain basis. ⁵ Acquisition of all loans forfeited during the marketing year including loans made in previous year. NA-not applicable.

FSA, Feed Grains & Oilseeds Analysis Group, (202) 720-8838.

Table 1-69.—Course grains: International trade, 1997–99¹

Country	1996/97	1997/98	1998/99 ²
	<i>1,000 metric tons</i>	<i>1,000 Metric tons</i>	<i>1,000 metric tons</i>
Exports:			
Argentina	11,065	14,265	8,475
Australia	4,270	3,233	4,752
Canada	5,631	3,430	3,261
China	3,986	6,203	3,354
South Africa	2,266	1,064	1,000
Russia	401	1,386	200
Turkey	383	1,502	1,320
EU	7,645	4,476	10,250
Others	6,027	6,012	5,615
Subtotal	41,674	41,571	38,227
United States	53,026	43,961	57,710
Total	94,700	85,532	95,937
Imports:			
Algeria	1,187	1,295	1,700
Brazil	656	1,431	1,093
Canada	901	1,441	948
Chile	837	859	1,318
China	2,125	1,542	2,870
Colombia	1,932	1,957	1,700
Costa Rica	375	382	429
Dominican Republic	733	671	816
Ecuador	150	281	321
Egypt	3,229	3,268	3,775
Iran	2,275	1,303	1,350
Israel	1,498	939	1,350
Japan	20,526	20,984	20,629
Jordan	1,057	696	875
Korea, North	503	347	200
Korea, South	8,730	7,598	7,747
Libya	999	567	600
Malaysia	2,485	2,145	2,500
Mexico	5,415	7,980	9,122
Morocco	761	827	1,858
Peru	906	1,309	1,060
Poland	1,111	581	350
Romania	195	142	175
Russia	846	288	1,700
Saudi Arabia	7,488	5,295	6,300
South Africa	462	274	450
Syria	464	477	775
Taiwan	6,013	4,757	4,745
Thailand	237	245	150
Tunisia	703	516	975
Turkey	1,085	842	1,150
Venezuela	1,500	1,161	1,500
Zimbabwe	205	417	350
EU	2,834	2,405	3,310
O.W. Europe	1,253	733	801
United States	3,270	2,934	2,659
Subtotal	84,946	78,889	87,651
Other Countries	7,763	5,088	6,390
Unaccounted	1,991	1,555	1,896
World Total	94,700	85,532	95,937

¹ Year beginning Oct 1. ² Preliminary.

FAS, Grain and Feed Division, (202) 720-6219. Prepared or estimated on the basis of official statistics from foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 1-70.—Feedgrains: United States food aid under specified Government programs, 1992-99

Year	Public Law 480			Section 416(b) ⁴	Food for progress			Commodity totals
	Title I ¹	Title II ²	Title III ³		Title I ⁵	Section 416(b) ⁶	CCC Purchases ⁷	
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
1992	554	292	444	1,514	0	0	0	2,804
1993	791	129	70	785	2,386	0	932	5,093
1994	151	359	108	130	5	0	0	753
1995	121	413	61	0	0	0	16	611
1996	0	254	0	0	0	0	16	270
1997	0	291	0	0	0	0	22	313
1998	18	397	0	0	0	0	9	424
1999	590	257	0	269	0	0	4	1,120

¹ P.L. 480 Title I - Based on Program Summary as of September 25, 1999, and the food assistance package announced by the Secretary of Agriculture on Nov. 6, 1998. The total does not reflect ocean freight financing of \$66.9 million. ² P.L. 480, Title II - Based on Approved Program Summary Country/Sponsor/Commodity Profile as of October 4, 1999. For Title II the total does not reflect ocean freight costs of \$386.1 million. ³ P.L. 480, Title III: Based on Approved Program Summary Country/Sponsor/Commodity Profile as of October 4, 1999. The total does not reflect freight cost. ⁴ Section 416 (b): Regular 416 - Based on 416(b) Status Report as of November 4, 1999. ⁵ Food for Progress: Title I - Based on P.L. 480, Title I Program Summary as of September 25, 1999. The total does not reflect oceans freight grants of \$27.1 million. ⁶ Section 416 (b) - Based on 416(b) Status Report as of November 4, 1999. ⁷ CCC Purchases - Based on Extel Database as of November 4, 1999.

FAS, CCC Program Support Division, (202) 720-9843.

Table 1-71.—Commercial feeds: Disappearance for feed, United States, 1989-98

Year beginning October	Oilseed cake and meal						Animal protein			
	Soybean	Cottonseed	Linseed	Peanut ¹	Sunflower	Total	Tankage and meat meal	Fish meal	Dried milk ²	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1989	22,291	2,266	139	124	299	25,119	2,557	357	461	3,375
1990	22,934	2,663	124	113	337	26,171	2,527	275	458	3,260
1991	23,008	3,114	127	172	496	26,917	2,541	257	470	3,268
1992	24,251	2,571	137	178	442	27,579	2,372	528	464	3,364
1993	25,283	2,638	113	113	321	28,468	2,446	719	470	3,636
1994	26,542	3,268	105	193	623	30,731	2,551	334	463	3,349
1995	26,611	2,961	134	181	478	30,365	2,536	290	420	3,246
1996	27,320	3,113	154	141	462	31,190	2,783	308	428	3,519
1997	28,895	2,956	190	95	531	32,667	2,501	270	406	3,177
1998 ³	30,662	2,534	174	107	635	34,112	2,621	308	392	3,321

Year beginning October	Mill products ⁴					Total commercial feeds
	Wheat millfeeds	Gluten feed and meal ⁵	Rice millfeeds	Alfalfa meal	Total	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1989	6,191	199	613	331	7,333	35,828
1990	6,600	18	612	367	7,597	37,028
1991	6,846	602	584	292	8,324	38,509
1992	6,965	595	604	309	8,473	39,416
1993	7,436	912	648	134	9,130	41,233
1994	7,265	139	658	209	8,272	42,352
1995	7,373	881	602	255	9,111	42,722
1996	7,280	1,833	559	248	9,921	44,630
1997	7,030	1,914	547	276	9,767	45,611
1998 ³	7,065	1,348	589	225	9,226	46,659

¹ Year beginning August 1. ² Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. Beginning 1974, not comparable with earlier years. ³ Preliminary. ⁴ Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available. ⁵ Adjusted for export data.

ERS, Market and Trade Economics Division, (202) 694-5290.

Table 1-72.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 1989–98

Year beginning October	Quantity for feeding ¹						High-protein animal units	Quantity per animal unit	High protein feed prices
	Oilseed meal			Animal protein	Grain protein ³	Total			
	Soybean meal	Other oilseed meals ²	Total						
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Million units	Pounds	Index numbers 1992=100
1989	24,520	2,614	27,134	3,669	118	30,921	117.2	528	94
1990	25,227	2,995	28,222	3,529	11	31,762	120.7	526	90
1991	25,309	3,618	28,927	3,527	359	32,812	123.5	531	95
1992	26,676	3,078	29,754	3,661	354	33,770	126.2	535	97
1993	27,811	2,948	30,759	3,991	543	35,293	128.4	550	96
1994	29,196	3,879	33,075	3,634	83	36,792	130.7	563	81
1995	29,272	3,474	32,746	3,547	524	36,818	132.2	557	114
1996	30,052	3,577	33,629	3,870	1,092	38,590	133.1	580	136
1997	31,785	3,474	35,258	3,475	1,140	39,873	136.2	585	100
1998	33,728	3,172	36,900	3,663	803	41,366	138.5	597	70

¹In terms of 44 percent protein soybean meal equivalent. ²Includes cottonseed, linseed, peanut meal, and sunflower meal. ³Beginning 1974, adjusted for exports of corn gluten feed and meal.

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Table 1-73.—Feed concentrates: Fed to livestock and poultry, 1989–98

Year beginning October	Feed grains				Wheat ²	Rye ²	By-product feeds ³	Total concentrates	Grain consuming animal units	Concentrates fed per grain-consuming animal unit
	Corn ¹	Sorghum ¹	Oats ² and barley ²	Total						
	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Millions	Tons
1989	122.7	14.2	9.8	146.8	8.2	0.3	42.3	197.6	77.3	2.56
1990	129.0	11.2	9.7	150.0	13.3	0.2	43.9	207.3	80.0	2.59
1991	134.3	10.2	9.6	154.2	6.9	0.2	45.3	206.6	80.7	2.56
1992	147.1	12.8	8.4	168.3	4.3	0.2	46.7	219.4	82.8	2.65
1993	131.2	12.3	10.2	153.7	10.6	0.2	48.3	212.7	84.0	2.53
1994	153.2	10.6	8.5	172.2	8.2	0.2	50.0	230.5	84.4	2.73
1995	131.8	8.3	7.2	147.3	6.8	0.2	49.4	203.7	85.0	2.40
1996	148.4	14.4	6.5	169.3	8.5	0.1	52.2	230.1	85.3	2.70
1997	154.1	10.2	6.6	170.9	9.7	0.1	53.3	234.1	87.9	2.66
1998	153.9	7.3	6.2	167.4	7.5	0.1	54.2	229.3	88.6	2.59

¹Marketing year beginning Sept. 1. ²Marketing year beginning June 1. ³Oilseed meals, animal protein feeds, mill by-products, and mineral supplements.

ERS, Market and Trade Economics Division (202) 694-5290.

Table 1-74.—Feed: Consumed per head and per unit of production, by class of live-stock or poultry, with quantity expressed in equivalent feeding value of corn, 1989–98

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 ¹	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced ²	Per head	Per 100 pounds produced ³
	Per head	Per 100 pounds milk produced							
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1989	12,686	87	6,491	9,336	5,298	5,873	1,304	1,271	1,603
1990	12,762	86	6,504	9,446	5,302	5,942	1,316	1,272	1,636
1991	12,700	82	6,493	9,357	5,299	5,878	1,305	1,271	1,553
1992	12,877	82	6,523	9,616	5,308	5,954	1,330	1,274	1,568
1993	12,648	79	6,460	9,314	5,300	5,899	1,317	1,287	1,531
1994	13,086	80	6,527	9,922	5,324	5,965	1,344	1,293	1,633
1995	12,421	76	6,423	8,934	5,290	5,815	1,292	1,266	1,610
1996	13,052	78	6,552	9,827	5,332	6,007	1,359	1,291	1,632
1997	12,983	76	6,546	9,747	5,331	6,027	1,329	1,311	1,522
1998 ⁴	12,787	73	6,800	9,731	5,387	6,054	1,296	1,276	1,519

Year beginning October	Poultry								Hogs per 100 pounds produced	Horses and mules 2 years and over per head
	Hens and pullets		Chickens raised		Broilers produced		Turkeys raised			
	Per head Jan. 1	Per 100 eggs	Per head	Per 100 pounds live weight	Per head	Per 100 pounds produced	Per head	Per 100 pounds produced		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1989	122	49	29	787	10.8	260	91	461	591	3,357
1990	124	50	29	795	10.9	259	92	433	625	3,218
1991	123	49	29	792	10.8	252	91	431	617	3,917
1992	126	51	30	822	11.1	256	94	426	603	4,104
1993	122	49	29	793	10.8	244	91	405	595	4,211
1994	131	52	31	844	11.6	257	97	432	625	4,455
1995	117	45	28	828	10.3	226	87	386	545	4,450
1996	130	51	31	978	11.5	242	96	402	620	4,747
1997	129	51	31	982	11.3	238	95	381	641	4,730
1998 ⁴	127	50	30	984	11.2	240	93	370	593	4,700

¹ Feed consumed by all cattle divided by the number on feed Jan. 1. ² Feed for all cattle, except milk cows, divided by the net live-weight production of cattle and calves. It includes the growth on dairy heifers and calves as well as all beef cattle. ³ Including wool produced. ⁴ Preliminary.

ERS, Market and Trade Economics Division, (202) 694–5290.

Table 1-75.—Feed: Consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1989–98

Year beginning October	Con-centrates	Harvested roughage	Pasture	Total	Year beginning October	Con-centrates	Harvested roughage	Pasture	Total
	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>		<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>
1989	208	74	176	458	1994	244	81	184	509
1990	218	78	171	468	1995	218	80	186	484
1991	218	79	175	472	1996	244	81	179	504
1992	231	82	174	487	1997	249	81	173	504
1993	226	77	183	486	1998 ¹	245	81	173	499

¹ Preliminary.

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Table 1-76.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1989–98¹

Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴	Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴
	<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>		<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>
1989	77,290	73,583	74,599	1994	84,377	78,040	79,994
1990	79,994	73,332	75,477	1995	85,015	78,128	80,277
1991	80,699	74,692	76,560	1996	85,341	76,420	79,363
1992	82,760	75,311	77,719	1997	87,948	74,861	79,414
1993	84,000	76,450	78,876	1998 ⁵	88,559	74,530	79,416

¹ Index series based on average feeding rates for years 1969–71. In calculations for the feeding years 1969 to date, cattle numbers used are the new categories shown in the Livestock and Poultry Inventory, published by NASS, USDA. ² Livestock and poultry numbers weighted by all concentrates consumed. ³ Livestock and poultry numbers weighted by all roughage (including pasture) consumed. ⁴ Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock. ⁵ Preliminary.

ERS, Market and Trade Economics Division, (202) 694–5290.

Table 1-77.—Feed grains: Average price, selected markets and grades, 1993–99¹

Crop year ²	Kansas City			Minneapolis			
	Corn, No. 2 Yellow	Corn, No. 2 White	Sorghum, No. 2 Yellow	Corn, No. 2 Yellow	Barley, No. 3 or Better malting	Duluth Barley, No. 2 Feed	Oats, No. 2 White
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1993	2.26	2.49	3.74	2.11	2.37	2.11	1.57
1994	2.69	2.78	4.37	2.52	2.48	2.05	1.54
1995	2.47	2.91	4.10	2.27	2.75	2.02	1.49
1996	4.12	4.07	6.66	3.74	3.69	2.67	2.28
1997	2.84	3.09	4.54	2.65	3.18	2.32	2.03
1998	2.49	2.93	4.11	2.39	2.50	1.86	1.70
1999	2.01	2.42	3.29	1.88	.....	1.88	1.33

Crop year ²	Omaha: Corn, No. 2 Yellow	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Memphis		St. Louis: Corn, No. 2 Yellow
				Corn, No. 2 Yellow	Barley, No. 2 Western	
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>
1993	2.10	2.23	4.06	2.27	5.99	2.25
1994	2.58	2.68	4.95	2.68	6.61	2.67
1995	2.31	2.44	4.75	2.51	5.79	2.51
1996	3.87	3.97	7.30	4.02	7.45	4.06
1997	2.70	2.84	5.02	2.88	7.84	2.90
1998	2.36	2.56	4.72	2.59	6.68	2.62
1999	1.88	2.15	3.79	2.13	.....	2.17

¹ Simple average of daily prices. ² For corn and sorghum crop year began in October for 1974–84, September for 1985–87. For barley and oats, crop year begins in June.

AMS, Livestock and Grain Market News Branch, (202) 720–6231.

Table 1-78.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 1993–98

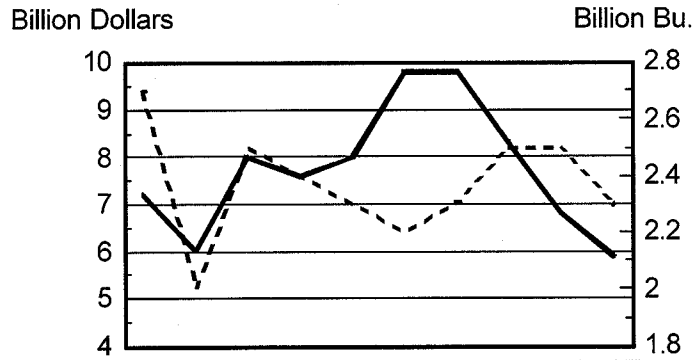
Year beginning October	Soybean meal		Cottonseed meal		Linseed meal	Meat meal	Fish meal	Wheat bran	Wheat middlings
	44% protein	49–50% protein	41% protein	41% protein	34% protein	50% protein	60% protein	Kansas City	Minneapolis
	Decatur	Decatur	Kansas City	Memphis	Minneapolis	Kansas City	Gulf Coast		
	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
1993	179.80	203.00	180.50	169.60	132.50	204.40	335.40	80.60	68.10
1994	152.50	171.70	129.40	120.80	95.00	168.70	365.00	65.50	53.90
1995	225.10	243.10	208.80	19.70	159.00	231.50	478.70	120.30	108.00
1996	260.40	279.70	207.50	91.40	158.70	271.80	502.60	88.30	80.20
1997	175.00	196.10	162.60	144.00	117.50	180.90	545.60	73.30	61.20
1998	132.00	138.50	132.20	109.60	84.50	138.10	387.50	55.90	60.90

Year beginning October	Wheat shorts or midlings	Wheat millrun	Gluten feed	Hominy feed	Distillers' dried grains	Brewers' dried grains	Alfalfa meal		Blackstrap molasses
	Kansas City	Portland	21% protein	Illinois Points	Lawrenceburg ¹	Columbus	Dehydrated, 17% protein	Sun-cured	New Orleans
			Illinois Points				Kansas City	Kansas City	
	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
1993	80.60	88.70	89.30	80.50	123.80	.....	124.70	114.2	62.50
1994	66.30	82.00	82.00	83.80	105.40	73.40	118.40	112.7	71.20
1995	120.40	118.70	119.30	132.10	156.10	134.40	130.40	122	77.50
1996	80.30	95.70	90.20	88.90	139.80	134.60	142.70	130.9	60.10
1997	73.30	74.30	67.20	78.90	105.80	107.20	126.80	115	51.50
1998	55.90	54.30	60.40	62.20	85.20	84.20	101.50	92.00	35.50

¹ Cincinnati 1974–1980. ² Based on prices of the following feedstuffs at leading markets, weighted by average consumption: Soybean meal, cottonseed meal, meat meal, tankage, fishmeal, wheat meals; bran, middlings, and millrun; gluten feed and meal; hominy feed, brewers' and distillers' dried grains; alfalfa meal; rice bran and feeding molasses.

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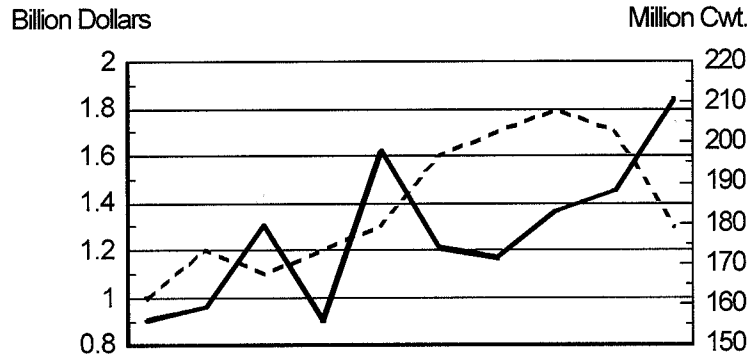
All Wheat: Production & Value of Production 1990-99



Year	90	91	92	93	94	95	96	97	98	99
Production	2.7	2.0	2.5	2.4	2.3	2.2	2.3	2.5	2.5	2.3
Value of Prod.	7.2	6.0	8.0	7.6	8.0	9.8	9.8	8.3	6.8	5.9

NASS Table 1-2

Rice, Rough: Production & Value of Production 1990-99



Year	90	91	92	93	94	95	96	97	98	99
Production	156.1	159.4	179.7	156.1	197.8	173.9	171.6	183.0	188.1	210.5
Value of Prod.	1.0	1.2	1.1	1.2	1.3	1.6	1.7	1.8	1.7	1.3

NASS Table 1-22