

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, 1987–96¹

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>
1987	204.5	280.2	1.6	486.3	217.8	98.6	316.5	169.9
1988	169.9	206.3	2.0	378.1	188.1	103.6	291.6	86.5
1989	86.5	284.0	2.3	372.7	204.5	106.7	311.3	61.4
1990	61.4	312.1	2.8	376.3	220.0	83.8	303.8	72.5
1991	72.5	279.7	3.8	356.0	220.2	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	357.0	6.2	407.3	247.5	99.3	346.7	60.5
1995	60.5	276.7	5.0	342.2	215.9	100.5	316.4	25.8
1996 ³	25.8	337.5	5.9	369.2	246.7	82.2	328.9	40.3

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, 1988–97

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>
1988	65,529	53,189	34.1	1,812,201	3.72	6,683,999
1989	76,615	62,189	32.7	2,036,618	3.72	7,542,464
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	69,132	60,945	35.8	2,182,591	4.55	9,787,213
1996	75,621	62,927	36.3	2,285,133	4.30	9,814,961
1997	70,989	63,577	39.7	2,526,552	3.45	8,611,684

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, 1988–97

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>
1988	48,800	39,800	39.2	1,561,910	3.65	5,684,359
1989	55,091	41,509	35.0	1,454,642	3.78	5,450,176
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	48,686	40,972	37.7	1,544,653	4.41	6,717,800
1996	51,958	39,679	37.2	1,477,058	4.33	6,427,598
1997	48,342	41,813	45.0	1,882,609	3.25	6,186,746
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>
1988	3,336	2,847	15.7	44,831	4.70	203,923
1989	3,791	3,673	25.1	92,229	3.46	316,838
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	3,250	3,107	27.7	86,193	4.85	418,213
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>
1988	13,393	10,542	19.5	205,460	3.77	795,717
1989	17,733	17,007	28.8	489,747	3.61	1,775,450
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	17,010	16,617	32.2	535,658	4.59	2,501,872
1996	20,033	19,692	35.1	691,985	4.20	2,845,370
1997	19,397	18,657	29.9	557,750	3.60	2,006,725

¹ Seeded in preceding fall for winter wheat. ² Obtained by weighting State prices by quantity sold. ³ Includes 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, 1988–97

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>
1988	798,000	620,000	463,000	289,000	1,455,552	1,095,902	764,711	412,626
1989	832,000	592,000	376,000	212,500	1,086,046	830,490	567,109	323,955
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	859,880	570,550	335,250	163,410	1,209,694	920,554	633,823	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	NA	NA	1,281,998	1,010,891	NA	NA

Year beginning September	Durum 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>
1988	56,040	49,615	43,635	34,201	50,630	40,928	34,808	25,813
1989	79,150	61,827	46,898	30,836	42,431	38,361	31,545	19,385
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	16,675	13,752
1995	72,560	47,220	27,250	12,470	24,655	23,886	21,381	13,275
1996	79,700	66,100	33,100	17,800	22,687	20,011	21,956	12,938
1997	51,000	37,000	NA	NA	36,712	30,280	NA	NA

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. NA-not available.
 NASS, Crops Branch, (202) 720-2127.

Table 1-5.—Wheat: Supply and disappearance, United States, 1987–96

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	
1987	1,821	2,108	16	3,945	721	85	290	1,096	1,588	2,684	1,261	
1988	1,261	1,812	23	3,096	726	103	150	979	1,415	2,394	702	
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	104	153	1,140	1,241	2,381	376	
1996 ³	376	2,285	92	2,753	892	103	314	1,308	1,001	2,310	444	

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, 1992–95¹

Item	Year beginning June				Item	Year beginning June			
	1992	1993	1994	1995		1992	1993	1994	1995
	Million bushels	Million bushels	Million bushels	Million bushels		Million bushels	Million bushels	Million bushels	Million bushels
All wheat:					Hard red spring:				
Stocks, June 1	475	531	568	507	Stocks, June 1	131	171	201	193
Production	2,467	2,396	2,321	2,183	Production	707	512	515	475
Supply ²	3,012	3,036	2,981	2,757	Supply ²	873	749	767	698
Exports ³	1,354	1,228	1,188	1,241	Exports ³	438	266	292	330
Domestic disappearance	1,128	1,240	1,287	1,140	Domestic disappearance	264	282	282	262
Stocks, May 31	531	568	507	376	Stocks, May 31	171	201	193	106
Hard red winter:					Durum:				
Stocks, June 1	194	204	227	194	Stocks, June 1	55	49	28	26
Production	967	1,066	971	825	Production	100	70	97	102
Supply ²	1,162	1,273	1,202	1,019	Supply ²	180	150	147	147
Exports ³	464	486	422	384	Exports ³	47	54	40	39
Domestic disappearance	494	560	586	481	Domestic disappearance	85	68	81	82
Stocks, May 31	204	227	194	154	Stocks, May 31	49	28	26	26
Soft red winter:					White:				
Stocks, June 1	41	43	45	193	Stocks, June 1	54	64	67	57
Production	427	401	434	456	Production	266	347	304	325
Supply ²	468	444	480	492	Supply ²	329	420	386	401
Exports ³	210	173	212	250	Exports ³	195	249	222	238
Domestic disappearance	215	226	231	207	Domestic disappearance	70	104	107	108
Stocks, May 31	43	45	37	35	Stocks, May 31	64	67	57	55

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, 1995–97

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
	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	120	110	140	80	80	100	36.0	44.0	42.0	2,880	3,520	4,200
AZ	125	180	100	122	178	98	84.9	90.4	89.5	10,354	16,090	8,775
AR	1,100	1,300	880	1,000	1,240	820	47.0	54.0	48.0	47,000	66,960	39,360
CA	650	780	655	493	688	544	66.4	75.2	80.3	32,725	51,750	43,680
CO	2,940	3,070	3,153	2,738	2,268	2,900	38.4	33.3	32.7	105,260	75,500	94,700
DE	70	80	75	68	78	73	64.0	53.0	73.0	4,352	4,134	5,329
FL	20	13	17	12	10	15	32.0	38.0	39.0	384	380	585
GA	350	400	400	300	350	360	38.0	48.0	44.0	11,400	16,800	15,840
ID	1,410	1,620	1,510	1,330	1,560	1,440	77.7	76.4	79.2	103,320	119,200	114,060
IL	1,480	1,650	1,200	1,390	1,100	1,150	49.0	38.0	61.0	68,110	41,800	70,150
IN	700	850	700	660	720	660	60.0	38.0	58.0	39,600	27,360	38,280
IA	50	60	30	35	45	27	35.0	35.0	42.0	1,225	1,575	1,134
KS	11,700	11,800	11,400	11,000	8,800	11,000	26.0	29.0	46.0	286,000	255,200	506,000
KY	650	700	700	460	530	530	53.0	53.0	54.0	24,380	28,090	28,620
LA	100	140	130	80	130	115	36.0	43.0	37.0	2,880	5,590	4,255
MD	230	235	220	225	227	215	64.0	52.0	68.0	14,400	11,804	14,620
MI	630	700	550	620	630	540	60.0	38.0	62.0	37,200	23,940	33,480
MN	2,298	2,595	2,520	2,245	2,542	2,465	32.0	41.9	32.0	71,849	106,582	78,890
MS	180	245	200	165	230	175	38.0	49.0	43.0	6,270	11,270	7,525
MO	1,350	1,600	1,100	1,230	1,250	1,040	39.0	39.0	55.0	47,970	48,750	57,200
MT	5,720	6,640	6,240	5,435	6,360	5,930	36.0	27.8	31.3	195,750	176,960	185,630
NE	2,150	2,300	2,000	2,100	2,100	1,900	41.0	35.0	37.0	86,100	73,500	70,300
NV	12	21	18	10	19	16	85.0	86.8	98.4	850	1,650	1,575
NJ	36	46	35	32	38	34	57.0	46.0	60.0	1,824	1,748	2,040
NM	460	470	430	150	110	285	22.0	37.0	35.0	3,300	4,070	9,975
NY	130	160	140	125	150	135	55.0	43.0	56.0	6,875	6,450	7,560
NC	720	630	730	640	590	670	44.0	44.0	52.0	28,160	25,960	34,840
ND	11,290	12,680	11,570	11,118	12,515	11,025	27.0	31.6	24.3	300,300	395,130	267,695
OH	1,230	1,400	1,200	1,210	1,330	1,090	61.0	39.0	63.0	73,810	51,870	68,670
OK	6,900	7,000	6,800	5,200	4,900	5,400	21.0	19.0	33.0	109,200	93,100	178,200
OR	980	990	1,005	904	955	970	66.9	70.8	65.4	60,438	67,605	63,430
PA	190	195	180	185	190	175	55.0	48.0	52.0	10,175	9,120	9,100
SC	300	280	310	280	270	300	32.0	45.0	50.0	8,960	12,150	15,000
SD	2,883	4,325	4,170	2,752	3,854	3,469	33.0	36.1	28.6	90,736	139,270	99,213
TN	600	620	560	340	400	370	47.0	44.0	45.0	15,980	17,600	16,650
TX	5,800	6,000	6,300	2,800	2,900	4,100	27.0	26.0	29.0	75,600	75,400	118,900
UT	173	205	200	166	188	189	53.9	41.3	48.5	8,950	7,760	9,174
VA	300	300	280	275	275	250	64.0	53.0	68.0	17,600	14,575	17,000
WA	2,700	2,800	2,700	2,595	2,745	2,595	59.3	66.5	64.8	153,770	182,670	168,080
WV	15	14	13	12	11	9	52.0	45.0	54.0	624	495	486
WI	155	157	153	143	135	142	56.4	42.4	56.9	8,070	5,725	8,075
WY	235	260	275	220	236	256	36.2	25.6	32.3	7,960	6,030	8,276
US	69,132	75,621	70,989	60,945	62,927	63,577	35.8	36.3	39.7	2,182,591	2,285,133	2,526,552

¹ Includes area seeded in preceding fall for winter wheat.
 NASS, Crops Branch, (202) 720-2127.

Table 1-8.—Wheat, by type: Area, yield, and production, by States, 1995–97

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
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	120	110	140	80	80	100	36.0	44.0	42.0	2,880	3,520	4,200
AZ	25	15	10	23	14	9	80.0	95.0	85.0	1,840	1,330	765
AR	1,100	1,300	880	1,000	1,240	820	47.0	54.0	48.0	47,000	66,960	39,360
CA	580	640	510	425	550	400	61.0	69.0	75.0	25,925	37,950	30,000
CO	2,900	3,000	3,100	2,700	2,200	2,850	38.0	32.0	32.0	102,600	70,400	91,200
DE	70	80	75	68	78	73	64.0	53.0	73.0	4,352	4,134	5,329
FL	20	13	17	12	10	15	32.0	38.0	39.0	384	380	585
GA	350	400	400	300	350	360	38.0	48.0	44.0	11,400	16,800	15,840
ID	830	900	920	770	860	870	76.0	80.0	80.0	58,520	68,800	69,600
IL	1,480	1,650	1,200	1,390	1,100	1,150	49.0	38.0	61.0	68,110	41,800	70,150
IN	700	850	700	660	720	660	60.0	38.0	58.0	39,600	27,360	38,280
IA	50	60	30	35	45	27	35.0	35.0	42.0	1,225	1,575	1,134
KS	11,700	11,800	11,400	11,000	8,800	11,000	26.0	29.0	46.0	286,000	255,200	506,000
KY	650	700	700	460	530	530	53.0	53.0	54.0	24,380	28,090	28,620
LA	100	140	130	80	130	115	36.0	43.0	37.0	2,880	5,590	4,255
MD	230	235	220	225	227	215	64.0	52.0	68.0	14,400	11,804	14,620
MI	630	700	550	620	630	540	60.0	38.0	62.0	37,200	23,940	33,480
MN	35	35	65	33	32	60	33.0	36.0	32.0	1,089	1,152	1,920
MS	180	245	200	165	230	175	38.0	49.0	43.0	6,270	11,270	7,525
MO	1,350	1,600	1,100	1,230	1,250	1,040	39.0	39.0	55.0	47,970	48,750	57,200
MT	1,500	2,150	1,600	1,370	1,980	1,450	40.0	32.0	39.0	54,800	63,360	56,550
NE	2,150	2,300	2,000	2,100	2,100	1,900	41.0	35.0	37.0	86,100	73,500	70,300
NV	5	10	12	4	9	11	100.0	100.0	100.0	400	900	1,100
NJ	36	46	35	32	38	34	57.0	46.0	60.0	1,824	1,748	2,040
NM	460	470	430	150	110	285	22.0	37.0	35.0	3,300	4,070	9,975
NY	130	160	140	125	150	135	55.0	43.0	56.0	6,875	6,450	7,560
NC	720	630	730	640	590	670	44.0	44.0	52.0	28,160	25,960	34,840
ND	40	80	70	38	75	55	30.0	30.0	21.0	1,140	2,250	1,155
OH	1,230	1,400	1,200	1,210	1,330	1,090	61.0	39.0	63.0	73,810	51,870	68,670
OK	6,900	7,000	6,800	5,200	4,900	5,400	21.0	19.0	33.0	109,200	93,100	178,200
OR	860	880	870	790	850	840	69.0	72.0	67.0	54,510	61,200	56,280
PA	190	195	180	185	190	175	55.0	48.0	52.0	10,175	9,120	9,100
SC	300	280	310	280	270	300	32.0	45.0	50.0	8,960	12,150	15,000
SD	1,600	2,000	1,650	1,520	1,580	1,050	37.0	35.0	30.0	56,240	55,300	31,500
TN	600	620	560	340	400	370	47.0	44.0	45.0	15,980	17,600	16,650
TX	5,800	6,000	6,300	2,800	2,900	4,100	27.0	26.0	29.0	75,600	75,400	118,900
UT	145	175	170	140	160	160	50.0	38.0	49.0	7,000	6,080	7,840
VA	300	300	280	275	275	250	64.0	53.0	68.0	17,600	14,575	17,000
WA	2,250	2,400	2,250	2,150	2,350	2,150	62.0	70.0	67.0	133,300	164,500	144,050
WV	15	14	13	12	11	9	52.0	45.0	54.0	624	495	486
WI	145	145	145	135	125	135	58.0	43.0	58.0	7,830	5,375	7,830
WY	210	230	250	200	210	235	36.0	25.0	32.0	7,200	5,250	7,520
US	48,686	51,958	48,342	40,972	39,679	41,813	37.7	37.2	45.0	1,544,653	1,477,058	1,882,609
Durum wheat												
AZ	100	165	90	99	164	89	86.0	90.0	90.0	8,514	14,760	8,010
CA	70	140	145	68	138	144	100.0	100.0	95.0	6,800	13,800	13,680
MN	13	10	5	12	10	5	30.0	43.0	34.0	360	430	170
MT	270	290	290	265	280	280	30.0	25.0	26.0	7,950	7,000	7,280
ND	2,950	3,000	2,700	2,880	2,940	2,570	27.0	27.0	22.0	77,760	79,380	56,540
SD	33	25	20	32	24	19	28.0	30.0	27.0	896	720	513
US	3,436	3,630	3,250	3,356	3,556	3,107	30.5	32.6	27.7	102,280	116,090	86,193
Other spring wheat												
CO	40	70	53	38	68	50	70.0	75.0	70.0	2,660	5,100	3,500
ID	580	720	590	560	700	570	80.0	72.0	78.0	44,800	50,400	44,460
MN	2,250	2,550	2,450	2,200	2,500	2,400	32.0	42.0	32.0	70,400	105,000	76,800
MT	3,950	4,200	4,350	3,800	4,100	4,200	35.0	26.0	29.0	133,000	106,600	121,800
NV	7	11	6	6	10	5	75.0	75.0	95.0	450	750	475
ND	8,300	9,600	8,800	8,200	9,500	8,400	27.0	33.0	25.0	221,400	313,500	210,000
OR	120	110	135	114	105	130	52.0	61.0	55.0	5,928	6,405	7,150
SD	1,250	2,300	2,500	1,200	2,250	2,400	28.0	37.0	28.0	33,600	83,250	67,200
UT	28	30	30	26	28	29	75.0	60.0	46.0	1,950	1,680	1,334
WA	450	400	450	445	395	445	46.0	46.0	54.0	20,470	18,170	24,030
WI	10	12	8	8	10	7	30.0	35.0	35.0	240	350	245
WY	25	30	25	20	26	21	38.0	30.0	36.0	760	780	756
US	17,010	20,033	19,397	16,617	19,692	18,657	32.2	35.1	29.9	535,658	691,985	557,750

¹Area seeded in preceding fall for winter wheat.

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

Table 1-9.—Wheat: Support operations, United States, 1988–97

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>
1988/89	0.69	2.21	4.23	106	5.8	45	191
1989/90	0.32	2.05	4.10	114	5.6	62	117
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	9.8	0	150
1993/94	1.03	2.45	4.00	258	10.7	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				

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) 720-7923.

Table 1-10.—Wheat: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per bushel			Value of production		
	1995	1996	1997 ¹	1995	1996	1997 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	3.90	4.50	3.20	11,232	15,840	13,440
AZ	4.64	5.00	4.70	47,038	79,320	40,745
AR	3.61	4.38	3.50	169,670	293,285	137,760
CA	4.33	4.98	3.90	141,249	256,887	172,140
CO	4.64	4.26	3.30	488,528	320,855	307,950
DE	4.10	4.33	3.10	17,843	17,900	16,520
FL	3.15	4.40	3.40	1,210	1,672	1,989
GA	3.39	4.38	3.20	38,646	73,584	50,688
ID	4.45	3.96	3.40	460,048	473,088	378,621
IL	3.89	4.12	3.15	264,948	172,216	220,973
IN	3.96	4.06	3.20	156,816	111,082	122,496
IA	4.05	4.10	3.20	4,961	6,458	3,629
KS	4.59	4.63	3.20	1,312,740	1,181,576	1,619,200
KY	3.84	4.33	3.30	93,619	121,630	94,446
LA	3.70	4.20	3.50	10,656	23,478	14,893
MD	4.15	4.31	3.15	59,760	50,875	46,053
MI	4.10	3.91	3.30	152,520	93,605	110,484
MN	4.71	4.25	3.65	338,652	453,024	283,675
MS	4.40	4.36	3.50	27,588	49,137	26,338
MO	3.84	4.12	3.10	184,205	200,850	177,320
MT	4.63	4.24	3.80	904,112	751,048	682,522
NE	4.56	4.29	3.25	392,616	315,315	228,475
NV	4.43	4.30	3.50	3,760	6,773	5,489
NJ	3.80	4.80	3.20	6,931	8,390	6,528
NM	4.50	5.10	3.30	14,850	20,757	32,918
NY	4.20	4.15	3.35	28,875	26,768	25,326
NC	3.65	4.20	3.00	102,784	109,032	104,520
ND	5.05	4.19	4.00	1,495,226	1,638,379	1,031,896
OH	3.96	3.94	3.25	292,288	204,368	223,178
OK	4.41	4.73	3.25	481,572	440,363	579,150
OR	4.79	4.20	3.75	289,119	283,749	238,220
PA	4.25	4.57	3.40	43,244	41,678	30,940
SC	3.60	4.35	3.20	32,256	52,853	48,000
SD	4.68	4.07	3.50	420,038	566,879	346,608
TN	3.90	4.40	3.30	62,322	77,440	54,945
TX	4.19	4.98	3.25	316,764	375,492	386,425
UT	4.74	4.40	3.60	42,415	34,448	32,768
VA	3.70	4.15	3.40	65,120	60,486	57,800
WA	4.83	4.14	3.60	742,500	755,680	602,692
WV	4.00	4.21	3.25	2,496	2,084	1,580
WI	3.65	3.95	3.10	29,456	22,614	25,033
WY	4.60	4.00	3.30	36,540	24,003	27,311
US	4.55	4.30	3.45	9,787,213	9,814,961	8,611,684

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

Table 1-11.—Wheat: Area, yield, and production in specified countries, 1994/95–1996/97¹

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	10,838	11,141	12,262	2.13	2.25	2.43	23,122	25,037	29,801
Mexico	965	870	809	4.3	3.98	4.17	4,151	3,460	3,375
United States	24,998	24,664	25,466	2.53	2.41	2.44	63,167	59,400	62,191
Total	36,801	36,675	38,537	2.46	2.40	2.47	90,440	87,897	95,367
South America:									
Argentina	5,100	4,500	7,000	2.22	1.91	2.30	11,300	8,600	16,100
Bolivia	110	125	130	0.77	0.96	1.00	85	120	130
Brazil	1,365	1,034	1,800	1.60	1.49	1.78	2,185	1,540	3,200
Chile	390	370	404	3.49	2.89	3.69	1,360	1,070	1,490
Colombia	48	31	22	2.13	2.06	2.05	102	64	45
Ecuador	30	32	30	0.60	0.56	0.53	18	18	16
Paraguay	175	175	200	2.14	1.20	2.63	375	210	525
Peru	107	97	115	1.21	1.24	1.22	130	120	140
Uruguay	200	183	250	2.25	2.30	2.52	450	420	630
Total	7,525	6,547	9,951	2.13	1.86	2.24	16,005	12,162	22,276
Europe:									
Austria	241	256	247	5.21	5.08	5.02	1,255	1,301	1,239
Belgium-Luxembourg	212	220	220	6.93	6.91	7.95	1,470	1,520	1,750
Denmark	574	620	650	6.49	7.23	7.43	3,725	4,481	4,830
Finland	89	101	112	3.79	3.75	4.10	337	379	459
France	4,580	4,750	5,024	6.67	6.50	7.15	30,549	30,862	35,940
Germany	2,435	2,579	2,594	6.77	6.89	7.29	16,481	17,763	18,922
Greece	780	770	730	2.44	2.27	2.27	1,900	1,750	1,660
Ireland	74	71	85	7.08	8.21	8.66	524	583	736
Italy	2,372	2,482	2,443	3.29	3.08	3.19	7,795	7,653	7,793
Netherlands	122	134	142	8.04	8.71	8.94	981	1,167	1,269
Portugal	241	259	228	2.07	1.39	1.82	499	360	414
Spain	1,995	1,800	2,023	2.16	1.39	2.92	4,311	2,500	5,900
Sweden	260	260	328	5.38	5.89	6.19	1,400	1,532	2,030
United Kingdom	1,811	1,859	1,976	7.35	7.70	8.15	13,314	14,310	16,100
Total EU	15,786	16,161	16,802	5.36	5.33	5.89	84,541	86,161	99,042
Norway	69	66	59	3.33	4.97	4.34	230	328	256
Switzerland	102	101	102	5.64	6.12	6.59	575	618	672
Total W. Europe	171	167	161	4.71	5.66	5.76	805	946	928
Europe E.									
Albania	175	140	118	2.63	2.86	2.68	460	400	316
Bulgaria	1,320	1,041	850	2.84	3.03	2.12	3,754	3,150	1,800
Czech Republic	851	830	800	4.58	4.61	4.63	3,897	3,823	3,700
Hungary	1,059	1,080	1,193	4.59	4.26	3.27	4,860	4,600	3,900
Poland	2,407	2,407	2,458	3.18	3.60	3.46	7,659	8,659	8,509
Romania	2,418	2,420	1,800	2.56	3.18	1.76	6,187	7,700	3,165
Slovakia	442	442	420	4.85	4.38	4.07	2,145	1,938	1,710
Yugoslavia	1,400	1,350	1,050	3.57	3.48	3.05	5,000	4,700	3,200
Total E. Europe	10,072	9,710	8,689	3.37	3.60	3.03	33,962	34,970	26,300
Fmr. Soviet Union:									
Azerbaijan	330	325	350	1.97	2.00	2.14	650	650	750
Armenia	95	115	112	1.58	1.48	2.14	150	170	240
Byelarus	118	178	292	2.12	2.47	2.05	250	440	600
Estonia	35	38	47	1.63	2.03	2.13	57	77	100
Georgia	100	100	120	2.00	2.10	1.67	200	210	200
Kyrgyzstan	330	340	450	1.84	1.99	2.44	608	677	1,100
Kazakhstan	12,619	12,547	12,200	0.72	0.52	0.63	9,052	6,490	7,700
Latvia	95	110	125	2.11	2.23	2.64	200	245	330
Lithuania	270	260	350	2.03	2.46	2.67	549	640	935
Moldova	350	350	335	2.29	3.14	2.01	800	1,100	674
Russian Fed.	22,184	23,909	25,721	1.45	1.26	1.36	32,100	30,100	34,900
Tajikistan	185	185	210	0.89	0.86	0.86	165	160	180
Turkmenistan	431	530	400	1.65	1.32	1.00	710	700	400
Ukraine	4,507	5,479	6,250	3.07	2.97	2.16	13,857	16,273	13,500
Uzbekistan	950	1,300	1,350	1.42	1.81	2.00	1,350	2,350	2,700
Total	42,599	45,766	48,312	1.42	1.32	1.33	60,698	60,282	64,309

See footnotes at end of table.

Table 1-11.—Wheat: Area, yield, and production in specified countries, 1994/95–1996/97¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	900	1,400	1,500	0.83	0.89	1.47	750	1,250	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	730	1,055	1,016	5.62	5.40	5.64	4,100	5,700	5,735
Ethiopia	900	1,100	1,450	1.44	1.50	1.38	1,300	1,650	2,000
Kenya	105	105	100	1.90	1.90	2.00	200	200	200
Lesotho	13	4	10	1.54	0.50	0.80	20	2	8
Libya	300	300	280	0.53	0.50	0.46	160	150	130
Morocco	3,050	1,700	3,220	1.81	0.65	1.83	5,523	1,100	5,900
Mozambique	3	3	3	1.00	1.00	1.00	3	3	3
Nigeria	25	30	30	1.20	1.67	1.17	30	50	35
South Africa, Rep. of	1,035	1,363	1,294	1.77	1.43	2.09	1,832	1,950	2,700
Sudan	357	280	315	1.33	1.61	1.75	475	450	550
Tanzania, United Rep. of	42	37	45	1.31	1.16	1.44	55	43	65
Tunisia	470	750	1,100	1.06	0.71	1.82	500	530	2,000
Zaire	10	10	10	0.70	0.70	1.50	7	7	15
Zambia	18	18	20	2.39	2.78	2.75	43	50	55
Zimbabwe	43	18	50	5.58	3.72	5.50	240	67	275
Total	8,010	8,182	10,452	1.90	1.61	2.09	15,248	13,212	21,881
Asia:									
Afghanistan	1,600	1,600	1,600	1.06	1.38	1.06	1,700	2,200	1,700
Bangladesh	639	701	702	1.95	1.95	1.85	1,245	1,370	1,300
Bhutan	13	13	13	1.54	1.54	1.54	20	20	20
Burma	140	140	140	1.07	1.07	1.07	150	150	150
China, Peoples Repu. of	28,981	28,860	29,610	3.43	3.54	3.73	99,300	102,215	110,570
Cyprus	10	10	10	1.00	1.00	1.00	10	10	10
India	25,100	25,600	25,100	2.38	2.56	2.49	59,840	65,470	62,620
Iran	7,600	7,600	7,600	1.51	1.49	1.45	11,500	11,300	11,000
Iraq	1,750	1,750	1,700	0.86	0.86	0.82	1,500	1,500	1,400
Israel	50	100	80	1.40	2.42	1.85	70	242	148
Japan	152	151	159	3.72	2.94	3.01	565	444	478
Jordan	69	81	48	0.83	1.02	1.06	57	83	51
Korea, Democratic Pe. of	90	75	70	1.39	1.00	1.07	125	75	75
Korea, Republic of	2	2	3	1.00	5.00	3.67	2	10	11
Lebanon	10	10	10	2.10	2.00	2.10	21	20	21
Mongolia	450	355	300	0.73	0.73	0.73	330	260	220
Nepal	600	550	600	1.42	1.45	1.33	850	800	800
Pakistan	8,034	8,170	8,376	1.89	2.08	2.02	15,212	17,002	16,907
Saudi Arabia	599	465	265	4.47	4.30	4.53	2,679	2,000	1,200
Syria	1,550	1,560	1,688	2.39	2.68	2.52	3,700	4,184	4,255
Taiwan	1	1	0	4.00	3.00	0	4	3	0
Turkey	8,600	8,550	8,450	1.71	1.81	1.89	14,700	15,500	16,000
Yemen	100	106	100	1.71	1.61	1.70	171	171	170
Total	86,140	86,450	86,624	2.48	2.60	2.64	213,751	225,029	229,106
Oceania:									
Australia	8,003	9,721	11,327	1.11	1.70	2.08	8,903	16,504	23,586
New Zealand	40	40	40	4.75	5.25	5.00	190	210	200
Total	8,043	9,761	11,367	1.13	1.71	2.09	9,093	16,714	23,786
World Total ...	215,162	219,426	230,900	2.44	2.45	2.52	524,568	537,386	583,007

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. ²Harvested area as far as possible. ³Preliminary.

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, 1987–96

Year beginning June	Wheat grain ¹	Flour (wheat equivalent)	Other products (wheat equivalent) ²	Total wheat, flour, and other products
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1987	9,989	755	5,342	16,086
1988	15,851	560	6,251	22,662
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	108,860
1994	70,561	8,073	13,313	91,947
1995	47,753	6,687	13,493	67,933
1996	71,727	6,385	14,220	92,333

¹ Starting January 1989, Census ceased reporting wheat suitable for milling and unfit for human consumption. ² Includes 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) 694–5311.

Table 1-13.—Wheat and flour: United States exports under specified Government programs, 1986-95

Year ¹	Local currency ²	Public Law 480			Title III ⁶	Food for Progress ⁷	Foreign Donations Sec. 416(b) ⁸	Mutual Security (AID) ⁹	Total specified Government programs
		Title I sales	Title II donations						
			Long-term dollar and convertible foreign currency credit sales ³	Government-to-government and World Food Program ⁴						Voluntary relief agencies ^{5}
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	
1986	3,953	150,840	9,597	5,831	.....	.....	15,413	28	185,662
1987	3,182	111,997	14,804	16,119	.....	.....	44,173	10,713	200,988
1988	4,103	95,913	18,384	13,518	.....	.....	5,044	30,378	167,340
1989	2,620	93,301	14,030	14,767	.....	.....	.....	1,026	125,744
1990	2,293	82,244	41,433	8,124	.....	.....	3,393	.....	137,487
1991 .....	.....	38,613	15,430	9,084	25,848	5,810	.....	.....	94,785
1992 .....	.....	35,869	15,590	7,681	25,252	39,325	32,720	.....	156,437
1993 .....	.....	41,108	29,421	8,427	35,802	27,537	.....	48	142,343
1994 ¹⁰ .....	.....	20,604	10,507	11,761	20,681	17,888	.....	NA	81,441
1995 ¹⁰ .....	.....	.....	9,541	5,866	8,600	7,922	.....	NA	31,929

¹ Year beginning Oct. 1. ² Authorized by the Food Security Act of 1985. ³ Shipments under agreements, authorized by Title I, P.L. 480 amended by P.L. 89–808. ⁴ Authorized by Title II, P.L. 480. ⁵ Authorized by Title II, P.L. 480, as amended by P.L. 89–808, effective Jan. 1, 1967. ⁶ Shipment under this title represents grants to least-developed countries. Prior to fiscal year 1991, shipments under Titles I and III were reported together. ⁷ This program is used to support countries that have made commitments to introduce or expand free enterprise elements in their agricultural economy. ⁸ Section 416(b) of the Agricultural Act of 1949, as amended. ⁹ Foreign Assistance Act of 1961, as amended. ¹⁰ Preliminary. NA-not available.

ERS, Market and Trade Economics Division, (202) 694–5206.

Table 1-14.—Wheat and flour: ¹ International trade, 1994/95–1996/97 ²

Country	1994/95	1995/96	1996/97 ³
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principal exporters:			
Argentina	7,844	4,416	9,700
Australia	7,784	12,086	17,845
Canada	21,509	16,850	18,135
India	77	1,506	735
Kazakstan	3,500	4,356	2,250
Saudi Arabia	1,651	181	0
Turkey	1,830	963	1,000
European Union	17,110	13,250	16,500
Eastern Europe	2,606	4,900	654
Others	1,712	3,334	2,850
Subtotal	65,623	61,842	69,669
United States	32,533	33,695	27,039
Total	98,156	95,537	96,708
Principal importers:			
Algeria	5,653	3,401	3,107
Bangladesh	1,732	1,210	1,100
Bolivia	435	320	400
Brazil	6,545	5,470	5,178
Chile	632	783	408
China	10,241	12,522	2,800
Columbia	829	994	907
Cuba	1,059	726	847
Ecuador	420	381	441
Egypt	5,856	5,919	7,000
Ethiopia	556	521	250
Georgia	680	456	600
India	29	50	1,500
Indonesia	3,818	3,612	4,195
Iran	3,192	2,744	6,849
Iraq	688	509	1,200
Israel	981	838	871
Japan	6,310	6,101	6,264
Jordan	740	859	572
Korea, North	124	235	200
Korea, South	4,293	2,554	3,465
Lebanon	381	479	450
Libya	1,191	941	1,125
Malaysia	1,157	1,065	1,139
Mexico	1,374	1,581	1,936
Morocco	1,221	2,431	1,464
Nigeria	560	673	947
Pakistan	2,123	1,903	3,012
Peru	1,205	943	1,237
Philippines	2,051	1,964	2,156
Russia	1,879	4,991	1,980
South Africa	759	702	951
Sri Lanka	942	937	890
Taiwan	895	1,092	1,016
Thailand	686	785	664
Tunisia	1,511	938	869
Turkey	444	2,080	2,326
UAE	285	378	576
Ukraine	274	200	200
Uzbekistan	2,000	1,500	1,200
Venezuela	1,144	1,022	1,176
Vietnam	437	325	425
Yemen	2,085	2,026	2,400
European Union	2,085	2,545	2,400
Other Western Europe	540	380	475
Eastern Europe	1,928	1,563	3,679
United States	2,390	1,748	2,577
Subtotal	86,360	85,397	85,424
Other Countries	10,643	8,695	9,826
Unaccounted	1,153	1,445	1,458
Total	98,156	95,537	96,708

¹Flour reported in terms of grain equivalent. ²Year beginning July 1. ³Preliminary.
 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, 1995/96 and 1996/97

Country of destination	Year ²		Country of destination	Year ²	
	1995/96	1996/97		1995/96	1996/97
	<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:					
Mexico	1,122	1,404	Morocco	583	469
Central America	815	763	South Africa	275	350
Caribbean	589	632	Tunisia	216	175
Brazil	475	759	Other Africa	6,238	3,925
Chile	296	0	Other countries	3,623	2,617
Colombia	626	324	World total	32,591	25,858
Ecuador	343	235	Wheat flour:		
Peru	628	419	Central America	1	1
Venezuela	543	571	Other Caribbean	161	171
Other Americas	163	159	Bolivia	40	43
Total Americas	5,600	5,266	Colombia	6	2
			Other Americas	114	178
Europe:			Total Americas	322	395
Belgium and Luxembourg	91	109			
Germany	1	0	Greece	0	0
Italy	229	477	Netherlands	6	0
Netherlands	30	56	Other Europe	232	134
Norway	58	62	Total Europe	238	134
Spain	74	63			
Switzerland	5	27	Sri Lanka	0	0
United Kingdom	41	59	Japan	2	2
Other Europe	360	413	Jordan	0	0
Former Soviet Union	880	377	Philippines	2	1
Total Europe and Soviet Union	1,769	1,643	Other Asia	10	27
			Total Asia	14	30
India	6	8			
Israel	658	637	Egypt	41	8
Japan	3,087	3,040	Morocco	0	0
Korea, Rep. of	1,423	1,570	Other Africa	99	93
Pakistan	1,661	2,176	Total Africa	140	101
Philippines	1,799	1,747			
China	2,714	839	Oceania	4	4
Taiwan	847	894	World total	863	664
Other Asia	1,766	174			
Algeria	326	328			

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, 1988-97

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	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>
1988	2,374	595	24.7	14,689	2.52	37,006
1989	2,014	484	28.2	13,647	2.06	28,099
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	1,467	347	26.0	9,016	3.70	33,407
1997 ²	1,433	341	26.1	8,912	3.60	31,946

¹ Area planted in preceding fall. ² Preliminary.

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

Table 1-17.—Rye: Supply and disappearance, United States, 1987–96

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
1987	18,583	19,526	1,204	39,313	3,500	3,800	2,000	10,601	19,901	500	20,401	18,912
1988	18,912	14,689	200	33,801	3,500	3,200	2,000	11,401	20,101	3,400	23,501	10,300
1989	10,300	13,647	30	23,977	3,500	3,000	2,000	9,035	17,535	800	18,335	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	3,400	3,000	2,000	6,084	14,484	14	14,498	1,555
1993	1,555	10,340	4,607	16,502	3,500	3,000	2,000	7,015	15,515	16	15,531	971
1994	971	11,341	4,386	16,698	3,300	3,000	2,000	6,912	15,212	35	15,247	1,451
1995	1,451	10,064	3,760	15,275	3,300	3,000	2,000	6,001	14,301	41	14,342	933
1996 ² ..	933	9,016	4,327	14,276	3,433	3,000	2,000	5,057	13,490	32	13,522	754

¹ Residual, approximates total feed use. ² Preliminary. Totals may not add due to independent rounding. ERS, Market and Trade Economics Division, (202) 694-5296.

Table 1-18.—Rye: Support operations, United States, 1988–97

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		
	Dollars	Million bushels	Percent	Million bushels	Million bushels
1988/89	1.50	0.3	2.0	0.8	8.2
1989/90	1.40	0.6	4.4	0.0	2.6
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)	.....	.....	.....	.....

¹ The 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. ² Includes loans made, purchases, and purchase agreements entered into. ³ Acquisition of all loans forfeited during the marketing year including loans made in previous years. ⁴ The 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) 720-4417.

Table 1-19.—Rye: Area, yield, and production, by States, 1995–97

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
	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	15	28	28	2	3	3	30.0	25.0	23.0	60	75	69
GA	300	300	300	55	70	65	21.0	26.0	22.0	1,155	1,820	1,430
IL	55	50	55	8	6	8	30.0	31.0	30.0	240	186	240
IN	20	20	15	4	2	2	29.0	22.0	32.0	116	44	64
KS	100	60	50	20	5	10	20.0	30.0	30.0	400	150	300
MD	30	25	25	5	2	3	34.0	25.0	21.0	170	50	63
MI	90	80	80	16	13	16	34.0	27.0	26.0	544	351	416
MN	30	25	25	21	20	21	29.0	24.0	26.0	609	480	546
NE	60	50	45	20	22	17	24.0	19.0	20.0	480	418	340
NJ	40	25	20	8	3	5	38.0	27.0	35.0	304	81	175
NY	42	49	40	9	8	8	35.0	28.0	32.0	315	224	256
NC	100	90	80	25	20	15	20.0	25.0	28.0	500	500	420
ND	25	20	25	22	16	23	33.0	33.0	29.0	726	528	667
OH	45	35	30	5	3	3	36.0	31.0	43.0	180	93	129
OK	180	200	200	45	60	55	18.0	15.0	23.0	810	900	1,265
PA	50	60	50	10	6	10	33.0	36.0	40.0	330	216	400
SC	50	40	35	20	15	15	22.0	26.0	29.0	440	520	435
SD	55	40	40	50	36	35	33.0	41.0	21.0	1,650	1,476	735
TX	150	120	130	20	10	10	19.0	19.0	33.0	380	190	330
VA	90	80	80	5	10	5	35.0	33.0	40.0	175	330	200
WI	75	70	80	15	12	12	32.0	32.0	36.0	480	384	432
US	1,602	1,467	1,433	385	347	341	26.1	26.0	26.1	10,064	9,016	8,912

¹ Relates to the total area of rye sown for all purposes; area planted in preceding fall.
NASS, Crops Branch, (202) 720-2127.

Table 1-20.—Rye: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per bushel			Value of production		
	1995	1996	1997 ¹	1995	1996	1997 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CO	2.55	3.41	3.40	153	256	235
GA	3.40	4.40	4.20	3,927	8,190	6,006
IL	2.90	3.85	2.90	696	716	696
IN	2.90	3.90	2.90	336	172	186
KS	3.11	3.90	3.50	1,244	578	1,050
MD	2.10	1.95	2.45	357	100	154
MI	2.40	3.20	2.90	1,306	1,123	1,206
MN	2.75	3.10	3.10	1,675	1,488	1,693
NE	2.50	2.50	3.60	1,200	1,045	1,224
NJ	3.25	3.70	3.65	988	263	639
NY	2.25	3.00	3.00	709	672	768
NC	2.50	2.80	2.50	1,250	1,400	1,050
ND	2.41	3.13	3.15	1,750	1,610	2,101
OH	4.00	3.80	3.20	720	353	413
OK	3.90	4.50	4.50	3,159	4,320	5,693
PA	3.00	4.25	3.75	990	864	1,500
SC	2.60	3.95	3.00	1,144	2,054	1,305
SD	2.53	3.37	3.65	4,175	4,945	2,683
TX	3.10	4.40	3.90	1,178	836	1,287
VA	3.15	2.90	2.40	551	1,040	480
WI	3.00	3.95	3.65	1,440	1,382	1,577
US	2.90	3.70	3.60	28,948	33,407	31,946

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

Table 1-21.—Rye: Area, yield, and production in specified countries, 1994/95–1996/97¹

Continent and country	Area ²			Yield per hectares			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	186	162	162	2.13	1.91	1.91	397	310	309
United States	165	156	140	1.75	1.64	1.64	288	256	229
Total	351	318	302	1.95	1.78	1.78	685	566	538
South America:									
Argentina	75	75	39	1.07	1.07	0.90	80	80	35
Brazil	5	5	5	1.20	1.20	1.00	6	6	5
Chile	5	5	5	2.00	2.00	2.00	10	10	10
Total	85	85	49	1.13	1.13	1.02	96	96	50
Europe:									
Austria	77	77	51	4.14	4.08	2.96	319	314	151
Belgium-Luxembourg	3	3	3	4.00	3.33	4.00	12	10	12
Denmark	90	100	78	4.22	5.00	4.74	380	500	370
Finland	9	21	35	2.44	2.76	2.49	22	58	87
France	46	47	49	3.96	4.21	4.59	182	198	225
Germany	723	861	809	4.77	5.25	5.21	3,451	4,521	4,214
Greece	18	18	18	2.22	2.22	2.22	40	40	40
Italy	8	8	8	2.50	2.50	2.50	20	20	20
Netherlands	7	7	7	5.00	5.00	5.00	35	35	35
Portugal	60	62	60	1.00	0.58	0.85	60	36	51
Spain	153	160	170	1.42	1.09	1.74	217	174	295
Sweden	40	45	33	4.50	4.51	5.52	180	203	182
United Kingdom	5	5	5	5.00	5.00	5.00	25	25	25
Total EU	1,239	1,414	1,326	3.99	4.34	4.30	4,943	6,134	5,707
Norway	2	4	4	7.50	4.00	3.00	15	16	12
Switzerland	6	7	7	5.00	6.00	6.57	30	42	46
Total W. Europe	8	11	11	5.63	5.27	5.27	45	58	58
Albania	10	10	10	1.00	1.00	1.00	10	10	10
Bulgaria	11	14	15	1.45	1.43	1.07	16	20	16
Czech Republic	80	79	65	3.51	3.32	3.31	281	262	215
Hungary	90	80	70	2.22	2.13	1.43	200	170	100
Poland	2,436	2,452	2,399	2.18	2.56	2.34	5,300	6,288	5,610
Romania	25	20	25	1.88	2.25	2.00	47	45	50
Slovakia	31	90	30	3.13	0.99	3.00	97	89	90
Yugoslavia	30	30	31	1.67	1.67	1.94	50	50	60
Total E. Europe	2,713	2,775	2,645	2.21	2.50	2.33	6,001	6,934	6,151
Fmr. Soviet Union:									
Byelarus	1,011	1,000	1,050	1.90	2.00	1.81	1,922	2,000	1,900
Estonia	21	32	31	1.95	1.81	1.77	41	58	55
Georgia	1	1	1	2.00	2.00	2.00	2	2	2
Kazakhstan	500	180	140	1.00	0.78	0.64	500	140	90
Latvia	60	40	50	2.00	1.75	2.16	120	70	108
Lithuania	203	135	150	1.54	1.78	1.93	313	240	290
Moldova	1	1	1	2.00	2.00	2.00	2	2	2
Russian Fed.	3,888	3,233	4,129	1.54	1.27	1.43	6,000	4,100	5,900
Tajikistan	2	2	2	1.00	1.00	1.00	2	2	2
Ukraine	476	605	620	1.98	2.00	1.77	941	1,208	1,100
Uzbekistan	5	5	5	1.40	1.40	1.40	7	7	7
Total	6,168	5,234	6,179	1.60	1.50	1.53	9,850	7,829	9,456
Asia:									
Turkey	170	180	180	1.47	1.42	1.39	250	255	250
Oceania:									
Australia	35	35	35	0.57	0.57	0.57	20	20	20
World Total	10,789	10,072	10,747	2.03	2.17	2.07	21,893	21,895	22,233

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, 1988–97

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>
1988	2,933.0	2,900.0	5,514	159,897	6.83	1,091,817
1989	2,731.0	2,687.0	5,749	154,487	7.35	1,134,039
1990	2,897.0	2,823.0	5,529	156,088	6.70	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	2,819.0	2,799.0	6,121	171,321	9.96	1,687,407
1997	3,056.0	3,034.0	5,896	178,896	9.75	1,728,687

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

Table 1-23.—Rice, rough: Stocks on and off farms, United States, 1989–98

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>
1989-90	39,581	27,266	1,176	92,107	62,784	17,411
1990-91	40,040	15,965	599	76,333	61,989	18,554
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 ²	33,970	NA	NA	89,860	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, 1988–97

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>
1988	2,233.0	616.0	51.0	5,345	5,989	7,141	119,364	36,891	3,642
1989	1,998.0	638.0	51.0	5,464	6,495	7,618	109,161	41,441	3,885
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	1,962.0	822.0	15.0	5,777	6,922	7,127	113,351	56,901	1,069
1997	2,261.0	755.0	18.0	5,380	7,395	7,867	121,647	55,833	1,416

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

Table 1-25.—Rice, rough, by length of grain: Stocks in all positions, United States, 1989–98

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
1989	94,594	64,091	11,405	826	33,229	23,290	6,091	1,387	3,865	2,669	1,091	501
1990	78,791	50,498	8,711	1,187	33,051	24,059	8,658	1,698	4,531	3,397	1,784	1,272
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 ² ..	77,693	NA	NA	NA	44,600	NA	NA	NA	1,537	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, 1987–96¹

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.
1987	51.4	129.6	3.0	184.0	54.9	15.4	3.6	6.5	80.4	72.2	152.6	31.4
1988	31.4	159.9	3.8	195.1	57.4	15.6	3.4	6.0	82.4	85.9	168.3	26.7
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	7.3	230.9	74.0	14.5	4.1	8.2	100.7	98.9	199.6	31.3
1995	31.3	173.9	7.4	212.6	77.0	15.6	3.7	8.3	104.6	83.0	187.6	25.0
1996 ⁴	25.0	171.3	10.0	206.3	80.0	15.4	4.0	3.4	102.8	76.4	179.2	27.1

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, 1995–97

State	Area harvested			Yield per acre			Production		
	1995	1996	1997 ¹	1995	1996	1997 ¹	1995	1996	1997 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	1,140.0	910.0	1,150.0	5,370	6,050	5,580	61,218	55,055	64,170
CA	8.0	5.0	9.0	7,500	7,200	7,700	600	360	693
LA	456.0	463.0	503.0	4,610	4,900	4,640	21,022	22,687	23,339
MS	288.0	208.0	238.0	5,400	6,000	5,800	15,552	12,480	13,804
MO	112.0	88.0	107.0	5,300	5,550	5,300	5,936	4,884	5,671
TX	308.0	288.0	254.0	5,650	6,210	5,500	17,402	17,885	13,970
US	2,312.0	1,962.0	2,261.0	5,265	5,777	5,380	121,730	113,351	121,647
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	198.0	258.0	218.0	5,900	6,500	6,000	11,682	16,770	13,080
CA	447.0	482.0	485.0	7,600	7,500	8,320	33,972	36,150	40,352
LA	114.0	70.0	45.0	4,550	4,700	4,500	5,187	3,290	2,025
MO .....	.....	2.0	2.0	.....	5,550	5,300	.....	111	106
TX	10.0	10.0	5.0	4,000	5,800	5,400	400	580	270
US	769.0	822.0	755.0	6,663	6,922	7,395	51,241	56,901	55,833
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	6,000	6,000	120	120	120
CA	10.0	13.0	16.0	7,800	7,300	8,100	780	949	1,296
US	12.0	15.0	18.0	7,500	7,127	7,867	900	1,069	1,416

¹ Preliminary.

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

Table 1-28.—Rice: Area, yield, and production, by States, 1995–97

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1995	1996	1997 ¹	1995	1996	1997 ¹	1995	1996	1997 ¹	1995	1996	1997 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	1,350.0	1,180.0	1,380.0	1,340.0	1,170.0	1,370.0	5,450	6,150	5,650	73,020	71,945	77,370
CA	467.0	502.0	512.0	465.0	500.0	510.0	7,600	7,490	8,300	35,352	37,459	42,341
LA	575.0	535.0	550.0	570.0	533.0	548.0	4,600	4,870	4,630	26,209	25,977	25,364
MS	290.0	210.0	240.0	288.0	208.0	238.0	5,400	6,000	5,800	15,552	12,480	13,804
MO	119.0	92.0	114.0	112.0	90.0	109.0	5,300	5,550	5,300	5,936	4,995	5,777
TX	320.0	300.0	260.0	318.0	298.0	259.0	5,600	6,200	5,500	17,802	18,465	14,240
US	3,121.0	2,819.0	3,056.0	3,093.0	2,799.0	3,034.0	5,621	6,121	5,896	173,871	171,321	178,896

¹ Preliminary.

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

Table 1-29.—Rice: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per cwt.			Value of production		
	1995	1996	1997 ¹	1995	1996	1997 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	9.14	10.20	9.90	667,403	733,839	765,963
CA	8.79	7.91	8.20	310,744	296,301	347,196
LA	9.09	10.60	10.10	238,240	275,356	256,176
MS	9.25	10.50	10.50	143,856	131,040	144,942
MO	9.06	10.30	10.00	53,780	51,449	57,770
TX	9.73	10.80	11.00	173,213	199,422	156,640
US	9.15	9.96	9.75	1,587,236	1,687,407	1,728,687

¹ Preliminary.

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

Table 1-30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1989–98

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
1989	3,779	5,268	2,875	86	914	865	1,139	672	50	36	131	62
1990	3,099	3,640	3,286	63	892	1,041	779	462	74	85	85	91
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 ² ..	3,443	NA	NA	NA	1,248	NA	NA	NA	46	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
1989	1,141	849	995	110	128	48	222	.....	266	214	470	33
1990	876	803	652	198	243	94	117	.....	572	333	277	39
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 ² ..	642	NA	NA	NA	27	NA	NA	.....	276	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 exports under specified Government programs, 1986-95

Year ¹	Public Law 480			Title III ⁵	Food for Progress ⁶	Foreign Donations Section 416(b) ⁷	Mutual Security (AID) ⁸	Total specified Government programs
	Title I sales	Title II donations						
		Long-term dollar and convertible foreign currency credit sales ²	Government-to-government and World Food Program ³						Voluntary relief agencies^{4}
1986	1,000 cwt. 6,342	1,000 cwt. 2,251	1,000 cwt. 808	.....	.....	1,314	.....	10,715
1987	3,458	3,332	287	.....	.....	645	3	7,725
1988	5,178	2,597	1,223	.....	.....	.....	.....	8,998
1989	4,163	2,377	1,193	.....	.....	.....	535	8,268
1990	2,591	3,483	2,026	.....	.....	91	.....	8,191
1991	2,256	2,745	1,357	560	356	.....	.....	7,274
1992	2,341	2,729	1,494	917	3,021	.....	4	10,506
1993	2,066	1,866	1,853	1,760	225	.....	28	7,798
1994 ⁹	2,079	369	620	1,042	303	.....	NA	4,413
1995 ⁹ .....	.....	561	392	.....	402	.....	NA	1,355

¹ Year beginning Oct. 1. ² Shipments under agreements authorized by Title I, P.L. 480, as amended by P.L. 89-808. ³ Authorized by Title II, P.L. 480. ⁴ Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967. ⁵ Shipment under this title represents grants to least-developed countries. Prior to fiscal year 1991, shipments under Titles I and III were reported together. ⁶ This program is used to support countries that have made commitments to introduce or expand free enterprise elements in their agricultural economy. ⁷ Section 416(b) of the Agricultural Act of 1949, as amended. ⁸ Foreign Assistance Act of 1961, as amended. ⁹ Preliminary. ERS, Market and Trade Economic Division, (202) 694-5266.

Table 1-32.—Rice, rough: Support operations, United States, 1988–97

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
1988/89	4.31	6.63	11.15	147.6	92.6	0.0	6.7
1989/90	3.56	6.50	10.80	121.9	78.9	0.0	0.0
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	70.2	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	40.2	0.0	0.0
1997/98	2.710	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, 1995–97¹

Country of destination	Year			Country of destination	Year		
	1995	1996	1997		1995	1996	1997
	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	137	163	165	United Kingdom	65	56	91
Mexico	207	242	301	Total Europe ²	480	454	437
Bahamas	6	7	8	Indonesia	2	91	.....
Dominican Republic	1	35	3	Iran	55	219	.....
Haiti	88	191	163	Korea, Rep. of .....	.....	.....	8
Jamaica	45	74	66	Saudi Arabia	176	176	142
Netherlands Antilles	7	11	14	Total Asia, Middle East, and Oceania ²	917	1,108	707
Chile	9	9	.....	Guinea	32	35	7
Total Western Hemisphere ²	1,033	1,117	1,113	Ivory Coast	51	79	36
European Union:				Liberia	59	17	12
Belgium-Luxembourg	45	44	48	Nigeria .....	.....	.....	.....
France	3	8	9	Senegal	43	33	.....
Germany, Fed. Rep. of	44	31	56	South Africa	109	116	158
Netherlands	136	105	96	Total Africa ²	348	343	304
Portugal	5	.....	.....	World total ²	2,794	3,073	2,624
Sweden	27	3	5				
Switzerland	65	84	86				

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, 1994/95–1996/97¹

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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:									
Costa Rica	44	39	58	2.89	3.28	2.72	127	128	158
Cuba	90	90	90	1.33	1.33	1.33	120	120	120
Dominican Rep.	88	82	95	3.24	3.29	3.26	285	270	310
El Salvador	15	11	11	2.73	3.00	3.18	41	33	35
Guatemala	15	13	14	1.47	1.77	1.71	22	23	24
Haiti	40	40	40	1.50	1.63	1.63	60	65	65
Honduras	12	15	16	2.33	2.67	2.25	28	40	36
Nicaragua	60	57	56	1.67	1.72	1.75	100	98	98
Panama	106	112	115	1.38	1.87	1.90	146	209	218
Trinidad and Tobago	10	10	10	2.00	2.00	2.00	20	20	20
Mexico	91	75	80	2.82	3.11	3.14	257	233	251
United States	1,342	1,252	1,133	4.95	4.50	4.94	6,648	5,631	5,595
Total	1,913	1,796	1,718	4.11	3.83	4.03	7,854	6,870	6,930
South America:									
Argentina	180	182	230	3.36	3.13	3.39	605	570	780
Bolivia	100	100	140	1.20	1.20	1.36	120	120	190
Brazil	4,242	3,880	3,570	1.74	1.76	1.86	7,402	6,834	6,628
Chile	30	34	35	2.87	2.59	2.57	86	88	90
Colombia	321	284	302	2.63	2.71	2.65	845	770	800
Ecuador	210	220	240	2.00	1.98	1.96	420	435	470
Guyana	106	135	132	1.96	2.21	2.24	208	299	296
Paraguay	90	90	90	1.11	1.28	1.28	100	115	115
Peru	239	198	190	4.05	3.90	3.82	967	773	725
Surinam	50	50	55	2.00	2.00	2.00	100	100	110
Uruguay	146	146	155	3.86	4.64	4.63	563	677	718
Venezuela	138	175	175	2.84	2.38	2.37	392	416	415
Total	5,852	5,494	5,314	2.02	2.04	2.13	11,808	11,197	11,337
Europe:									
France	24	24	24	2.96	2.96	2.96	71	71	71
Greece	10	10	10	4.00	5.00	5.00	40	50	50
Italy	236	239	238	3.47	3.28	3.60	820	785	856
Portugal	30	30	30	3.33	3.00	3.00	100	90	90
Spain	63	54	107	4.33	4.24	4.98	273	229	533
Total EU	363	357	409	3.59	3.43	3.91	1,304	1,225	1,600
Bulgaria	1	1	3	3.00	5.00	2.33	3	5	7
Hungary	10	5	5	1.50	2.00	2.00	15	10	10
Romania	5	6	5	2.00	2.50	2.00	10	15	10
Yugoslavia	10	7	10	2.00	2.14	1.50	20	15	15
Total E. Europe	26	19	23	1.85	2.37	1.83	48	45	42
Fmr. Soviet Union:									
Azerbaijan	1	2	1	1.00	1.00	1.00	1	2	1
Kyrgyzstan	3	5	5	1.00	1.00	1.00	3	5	5
Kazakhstan	102	95	88	1.80	1.26	1.25	184	120	110
Russian Fed.	193	171	165	1.76	1.75	2.36	340	300	389
Tajikistan	13	12	12	0.92	0.92	0.92	12	11	11
Turkmenistan	48	32	30	1.67	2.34	2.33	80	75	70
Ukraine	23	22	23	2.22	2.36	2.3	51	52	53
Uzbekistan	167	168	160	1.93	1.27	1.25	322	213	200
Total	550	507	484	1.81	1.53	1.73	993	778	839
Africa:									
Algeria	1	1	1	1.00	1.00	1.00	1	1	1
Angola	5	10	10	0.60	0.90	0.90	3	9	9
Benin	8	10	13	0.88	1.10	1.23	7	11	16
Burkina	30	35	60	1.33	1.57	1.25	40	55	75
Chad	55	50	55	1.09	0.90	1.00	60	45	55
Cameroon	35	40	40	1.77	1.63	1.63	62	65	65
Cote d'Ivoire	635	645	680	0.63	0.64	0.65	398	410	445

See footnotes at end of table.

Table 1-34.—Rice, milled: Area, yield, and production in specified countries, 1994/95–1996/97¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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—Continued									
Egypt	575	588	590	4.92	5.06	5.17	2,830	2,975	3,050
Gambia, The	12	12	13	1.08	1.08	1.00	13	13	13
Ghana	80	100	105	1.25	1.32	1.24	100	132	130
Guinea	400	425	450	0.88	0.96	1.00	350	410	450
Guinea-Bissau	65	65	65	1.31	1.32	1.31	85	86	85
Kenya	20	15	15	1.75	2.00	2.00	35	30	30
Liberia	45	50	75	0.44	0.70	0.80	20	35	60
Madagascar	1,180	1,150	1,200	1.28	1.39	1.38	1,510	1,600	1,650
Malawi	27	35	40	1.04	0.94	1.13	28	33	45
Mali	284	280	300	1.09	1.07	1.03	310	300	310
Mauritania	19	20	20	1.89	1.85	1.85	36	37	37
Morocco	8	6	8	5.00	3.33	5.00	40	20	40
Mozambique	121	130	145	0.54	0.58	0.62	65	75	90
Niger	35	30	30	1.29	1.53	1.53	45	46	46
Nigeria	1,666	1,700	1,658	1.32	1.33	1.18	2,200	2,260	1,950
Senegal	80	77	73	1.31	1.30	1.33	105	100	97
Sierra Leone	328	230	290	0.74	0.74	0.81	243	170	235
Somalia	2	2	2	1.50	1.50	1.50	3	3	3
Sudan	7	7	7	1.00	1.00	1.00	7	7	7
Swaziland	2	2	2	1.50	1.50	1.50	3	3	3
Tanzania, United Rep. of ..	41	40	55	0.61	0.63	0.73	25	25	40
Togo	420	478	400	1.06	0.98	1.00	445	470	400
Zaire	500	550	590	0.50	0.46	0.44	248	255	260
Zambia	7	10	10	0.57	0.80	0.70	4	8	7
Total	6,693	6,793	7,002	1.39	1.43	1.39	9,321	9,689	9,704
Asia:									
Afghanistan	210	200	200	1.33	1.35	1.35	280	270	270
Bangladesh	9,922	9,941	10,030	1.70	1.78	1.84	16,833	17,687	18,420
Brunei	3	3	3	1.33	1.33	1.33	4	4	4
Burma	5,517	5,666	5,600	1.68	1.74	1.61	9,280	9,860	9,000
Cambodia	1,700	1,900	1,950	0.82	1.13	1.06	1,400	2,150	2,070
China Peoples Republic	30,171	30,745	31,406	4.08	4.22	4.35	123,151	129,650	136,570
India	42,500	42,300	42,700	1.91	1.88	1.89	81,160	79,620	80,540
Indonesia	11,439	11,570	11,300	2.83	2.87	2.83	32,333	33,215	32,000
Iran	560	570	600	2.68	2.72	2.67	1,500	1,550	1,600
Iraq	150	150	140	1.67	1.33	1.43	250	200	200
Japan	2,212	2,118	1,977	4.93	4.62	4.76	10,903	9,781	9,413
Korea, Democratic Pe	600	580	580	2.33	2.24	2.24	1,400	1,300	1,300
Korea, Republic of	1,102	1,056	1,050	4.59	4.45	5.07	5,060	4,694	5,320
Laos	610	520	520	1.56	1.63	1.63	950	850	850
Malaysia	665	663	660	1.99	2.01	2.00	1,325	1,330	1,320
Nepal	1,400	1,450	1,400	1.54	1.52	1.64	2,150	2,200	2,300
Pakistan	2,107	2,162	2,230	1.64	1.82	1.91	3,447	3,936	4,260
Philippines	3,668	3,924	3,900	1.86	1.85	1.87	6,809	7,263	7,300
Sri Lanka	788	683	610	2.40	2.44	2.54	1,890	1,664	1,550
Taiwan	366	363	348	4.13	4.18	4.08	1,511	1,517	1,420
Thailand	9,196	9,032	9,175	1.54	1.59	1.49	14,124	14,388	13,700
Turkey	46	70	90	3.26	3.21	2.89	150	225	260
Vietnam	6,803	7,124	7,050	2.39	2.48	2.55	16,246	17,683	18,000
Total	131,735	132,790	133,519	2.52	2.57	2.60	332,156	341,037	347,667
Oceania:									
Australia	128	149	166	6.35	4.56	6.06	813	680	1,006
World total	147,260	147,905	148,635	2.47	2.51	2.55	364,297	371,521	379,125

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, 1995–97 ²

Country	1995	1996	1997 ³
	1,000 metric tons	1,000 Metric tons	1,000 metric tons
Exports:			
Argentina	342	365	600
Australia	519	475	700
Burma	645	265	25
China	32	300	900
Guyana	203	225	225
India	4,201	3,556	1,750
Pakistan	1,592	1,663	1,650
Thailand	5,931	5,280	4,900
Uruguay	470	596	650
Vietnam	2,308	3,100	3,250
EU	323	301	350
Others	1,358	765	880
Subtotal	17,924	16,891	15,880
United States	3,073	2,624	2,400
Total	20,997	19,515	18,280
Imports:			
Bangladesh	1,566	700	100
Brazil	987	800	1,000
Canada	214	220	220
China	1,964	850	500
Colombia	114	100	200
Costa Rica	58	85	90
Cote d'Ivoire	387	300	300
Cuba	316	400	350
Ghana	106	185	100
Guinea	291	250	200
Haiti	204	175	175
Indonesia	3,011	1,233	750
Iran	1,633	1,294	1,000
Iraq	92	236	600
Jamaica &	74	75	75
Japan	29	445	600
Jordan	76	90	110
Korea, North	683	350	300
Korea, South	13	110	77
Malaysia	402	572	600
Mexico	245	310	275
Nigeria	450	500	700
Peru	258	400	200
Philippines	277	900	750
Russia	125	350	300
Saudi Arabia	615	750	750
Senegal	402	623	400
Singapore	293	312	325
South Africa	634	686	500
Sri Lanka	25	256	200
Syria	203	125	150
Turkey	445	350	250
UAE	85	85	85
Yemen	68	143	100
EU	762	895	650
Other Western Europe	30	34	37
Eastern Europe	185	135	150
United States	221	268	350
Subtotal	17,543	15,592	13,519
Other Countries	2,637	2,486	2,377
Unaccounted	817	1,437	2,384
World Total	20,997	19,515	18,280

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, 1988–97¹

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>
1988	4.17	4.23	3.96	5.53	4.36	2.26	4.53	4.08
1989	4.22	4.21	3.93	4.25	4.16	2.24	4.28	3.94
1990	2.94	3.01	2.77	3.48	3.06	2.30	3.16	2.81
1991	3.77	3.77	3.35	3.61	3.82	2.52	4.11	3.32
1992	3.67	3.77	3.56	3.88	3.89	2.91	4.11	3.54
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	7.40	5.72	3.33	5.27	4.82
1997	4.88	4.92	4.67	5.59	4.97	2.94	4.54	4.10

Crop year ²	Chicago Wheat, No. 2 Soft Red Winter	Denver Wheat, No. 1 Hard Winter	San Francisco Milled Rice Short	S.W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice	
				Medium	Long	Medium	Long	Medium	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>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
1988	4.00	3.87	17.60	14.45	15.30	15.60	15.75	NA	15.85
1989	3.92	3.82	NA	14.70	14.95	15.20	15.50	NA	15.50
1990	2.73	2.62	NA	14.89	15.46	15.40	15.79	NA	16.06
1991	3.49	3.41	NA	15.75	16.35	16.25	16.50	NA	16.50
1992	3.49	3.30	NA	14.83	15.49	15.74	16.03	NA	16.78
1993	3.49	3.30	(³)	13.90	13.29	14.29	12.09	NA	16.66
1994	3.22	3.20	(³)	20.63	19.77	21.20	19.57	21.23	20.32
1995	3.62	3.57	(³)	14.07	14.54	13.16	13.25	NA	13.39
1996	3.98	5.03	(³)	19.40	19.46	19.22	19.63	NA	19.62
1997	4.72	4.43	(³)	19.91	19.98	18.66	20.42	NA	20.87

¹ Simple average of daily prices. ² For wheat and rye, crop year begins in June. For rice, crop year begins in August. ³ Discontinued. NA-not available.

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

Table 1-37.—Corn: Area, yield, production, and value, United States, 1988–97

Year	Area planted, all purposes	Corn for grain					Corn for silage		
		Area harvested	Yield per har- vested acre	Pro- duc- tion	Market- ing year aver- age price per bushel	Value of production	Area har- vested	Yield per har- vested acre	Pro- duc- tion ¹
	<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>
1988	67,717	58,250	84.6	4,928,681	2.54	12,661,362	8,301	9.5	78,911
1989	72,322	64,783	116.3	7,531,953	2.36	17,912,895	6,606	13.0	86,111
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	17,860,947	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	73,235	62,921	100.7	6,336,470	2.50	16,031,861	6,831	11.9	81,289
1994	79,175	72,887	138.6	10,102,735	2.26	22,992,309	5,601	15.8	88,588
1995	71,245	64,995	113.5	7,373,876	3.24	24,117,503	5,295	14.7	77,867
1996	79,507	73,147	127.1	9,293,435	2.71	25,312,028	5,415	15.4	83,594
1997 ²	80,227	73,720	127.0	9,365,574	2.60	24,394,072	5,758	16.0	91,903

¹ Includes hogged or grazed and that cut and fed without removing grain. ² Preliminary.
NASS, Crops Branch, (202) 720-2127.

Table 1-38.—Corn: Stocks on and off farms, United States, 1989–98

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>
1989	4,280,200	3,021,000	2,022,000	967,500	2,791,367	2,182,926	1,397,302	962,928
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 ³	4,822,000	NA	NA	NA	2,407,825	NA	NA	NA

¹ Old crop only. ² Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ³ Preliminary. NA-not available. NASS, Crops Branch, (202) 720-2127.

Table 1-39.—Corn: Supply and disappearance, United States, 1987–96

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					
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1987	4,882	7,131	3	12,016	4,789	1,252	6,041	1,716	7,757	3,424	835	4,259
1988	4,259	4,929	3	9,191	3,937	1,298	5,234	2,026	7,260	1,568	363	1,930
1989	1,930	7,532	2	9,464	4,382	1,370	5,752	2,368	8,120	1,111	233	1,344
1990	1,344	7,934	3	9,282	4,611	1,425	6,036	1,725	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	6,336	21	8,470	4,683	1,609	6,292	1,328	7,620	805	45	850
1994	850	10,103	10	10,962	5,523	1,704	7,227	2,177	9,405	1,516	42	1,558
1995	1,558	7,374	16	8,948	4,682	1,612	6,294	2,228	8,522	396	30	426
1996 ²	426	9,293	13	9,733	5,362	1,692	7,054	1,795	8,849	853	30	883

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 1-40.—Corn: Area, yield, and production, by States, 1995–97

State	Area planted for all purposes			Corn for grain								
	1995	1996	1997 ¹	Area harvested			Yield per harvested acre			Production		
				1995	1996	1997 ¹	1995	1996	1997 ¹	1995	1996	1997 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 ...	250	310	290	220	280	265	75.0	82.0	87.0	16,500	22,960	23,055
AZ ...	30	55	70	22	40	50	170.0	175.0	170.0	3,740	7,000	8,500
AR ...	95	240	180	85	230	175	115.0	125.0	125.0	9,775	28,750	21,875
CA ...	435	500	580	150	220	260	160.0	160.0	170.0	24,000	35,200	44,200
CO ...	950	1,050	1,150	830	940	1,030	111.0	142.0	146.0	92,130	133,480	150,380
CT ...	37	38	38	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
DE ...	145	155	150	139	150	144	105.0	143.0	110.0	14,595	21,450	15,840
FL ...	100	140	120	60	112	80	90.0	88.0	80.0	5,400	9,856	6,400
GA ...	400	580	550	350	525	500	90.0	95.0	110.0	31,500	49,875	55,000
ID ...	95	100	110	35	40	40	140.0	135.0	155.0	4,900	5,400	6,200
IL ...	10,200	11,000	11,200	10,000	10,800	11,050	113.0	136.0	129.0	1,130,000	1,468,800	1,425,450
IN ...	5,400	5,600	6,000	5,300	5,450	5,850	113.0	123.0	123.0	598,900	670,350	719,550
IA ...	11,700	12,700	12,200	11,400	12,450	12,000	123.0	138.0	138.0	1,402,200	1,718,100	1,656,000
KS ...	2,150	2,500	2,850	1,970	2,350	2,700	124.0	152.0	143.0	244,280	357,200	386,100
KY ...	1,280	1,300	1,300	1,140	1,200	1,170	108.0	124.0	103.0	123,120	148,800	120,510
LA ...	230	535	500	221	523	490	105.0	125.0	117.0	23,205	65,375	57,330
ME ...	31	33	35	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
MD ...	450	530	500	400	465	415	105.0	139.0	90.0	42,000	64,635	37,350
MA ...	30	32	28	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
MI ...	2,450	2,650	2,600	2,170	2,300	2,250	115.0	94.0	117.0	249,550	216,200	263,250
MN ...	6,700	7,500	7,000	6,150	6,950	6,450	119.0	125.0	133.0	731,850	868,750	857,850
MS ...	300	630	490	275	605	470	95.0	102.0	107.0	26,125	61,710	50,290
MO ...	1,650	2,750	2,950	1,470	2,650	2,870	102.0	134.0	116.0	149,940	355,100	332,920
MT ...	55	55	60	16	15	14	120.0	137.0	135.0	1,920	2,055	1,890
NE ...	8,000	8,500	9,000	7,700	8,300	8,725	111.0	143.0	132.0	854,700	1,186,900	1,151,700
NH ...	17	17	17	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
NJ ...	98	110	118	78	94	93	93.0	126.0	108.0	7,254	11,844	10,044
NM ...	123	130	135	73	84	85	160.0	175.0	175.0	11,680	14,700	14,875
NY ...	1,100	1,150	1,200	610	630	650	105.0	107.0	116.0	64,050	67,410	75,400
NC ...	800	1,000	950	700	900	870	107.0	95.0	89.0	74,900	85,500	77,430
ND ...	700	900	800	510	720	605	79.0	91.0	99.0	40,290	65,520	59,895
OH ...	3,300	2,900	3,600	3,100	2,750	3,450	121.0	111.0	134.0	375,100	305,250	462,300
OK ...	155	200	210	130	170	190	125.0	145.0	140.0	16,250	24,650	26,600
OR ...	46	65	47	21	33	22	160.0	165.0	195.0	3,360	5,445	4,290
PA ...	1,380	1,450	1,550	980	1,070	985	96.0	119.0	99.0	94,080	127,330	97,515
RI ...	3	2	2	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
SC ...	290	400	350	265	380	335	91.0	79.0	97.0	24,115	30,020	32,495
SD ...	2,800	4,000	3,800	2,450	3,700	3,400	79.0	100.0	98.0	193,550	370,000	333,200
TN ...	640	770	730	540	680	650	118.0	116.0	102.0	63,720	78,880	66,300
TX ...	2,100	2,100	2,000	1,900	1,800	1,800	114.0	112.0	138.0	216,600	201,600	248,400
UT ...	68	65	67	20	21	23	100.0	130.0	135.0	2,000	2,730	3,105
VT ...	87	95	95	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
VA ...	430	450	500	275	310	325	111.0	126.0	93.0	30,525	39,060	30,225
WA ...	150	170	150	102	120	95	190.0	185.0	190.0	19,380	22,200	18,050
WV ...	65	65	65	40	40	37	100.0	105.0	95.0	4,000	4,200	3,515
WI ...	3,650	3,900	3,800	3,050	3,000	3,050	114.0	111.0	132.0	347,700	333,000	402,600
WY ...	80	85	90	48	50	57	104.0	123.0	135.0	4,992	6,150	7,695
US ...	71,245	79,507	80,227	64,995	73,147	73,720	113.5	127.1	127.0	7,373,876	9,293,435	9,365,574

¹Preliminary. ²Not estimated.

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

Table 1-41.—Corn: Utilization for silage, by States, 1995–97

State	Silage								
	Area harvested			Yield per acre			Production		
	1995	1996	1997 ¹	1995	1996	1997 ¹	1995	1996	1997 ¹
1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons	
AL	15	15	15	8.0	11.0	14.0	120	165	210
AZ	8	15	18	26.0	27.0	25.0	208	405	450
AR	5	5	4	8.0	12.0	15.0	40	60	60
CA	280	275	315	25.0	25.0	26.0	7,000	6,875	8,190
CO	105	90	110	20.0	21.5	22.5	2,100	1,935	2,475
CT	32	33	35	16.5	18.5	18.0	528	611	630
DE	5	4	4	19.0	17.0	13.0	95	68	52
FL	20	19	25	15.0	17.0	16.5	300	323	413
GA	40	45	40	14.0	14.0	17.0	560	630	680
ID	58	58	68	23.5	24.0	25.5	1,363	1,392	1,734
IL	120	130	120	15.0	14.0	16.5	1,800	1,820	1,980
IN	80	100	100	15.0	18.0	16.0	1,200	1,800	1,600
IA	250	220	190	15.0	18.0	18.0	3,750	3,960	3,420
KS	130	130	125	13.5	15.0	18.0	1,755	1,950	2,250
KY	100	90	120	14.5	16.5	15.0	1,450	1,485	1,800
LA	6	10	7	16.0	16.0	15.0	96	160	105
ME	28	26	29	16.0	14.5	16.0	448	377	464
MD	40	60	80	20.0	18.0	10.0	800	1,080	800
MA	27	27	23	17.5	19.5	20.0	473	527	460
MI	260	310	320	15.0	12.5	14.5	3,900	3,875	4,640
MN	450	475	450	12.0	13.0	14.5	5,400	6,175	6,525
MS	22	23	18	13.5	10.0	15.0	297	230	270
MO	80	60	60	10.0	15.0	16.0	800	900	960
MT	38	39	45	20.0	21.0	21.0	760	819	945
NE	225	125	200	12.5	16.5	15.0	2,813	2,063	3,000
NH	15	15	16	18.0	17.0	19.0	270	255	304
NJ	19	14	23	15.0	16.0	15.0	285	224	345
NM	49	44	49	18.0	21.0	21.0	882	924	1,029
NY	485	510	545	14.0	15.5	15.0	6,790	7,905	8,175
NC	90	80	75	17.0	13.0	14.0	1,530	1,040	1,050
ND	165	170	175	6.8	8.0	6.3	1,122	1,360	1,103
OH	160	130	130	15.5	14.5	18.0	2,480	1,885	2,340
OK	20	20	17	14.0	20.0	17.0	280	400	289
OR	24	30	24	25.0	27.0	26.0	600	810	624
PA	390	370	540	14.0	17.5	14.0	5,460	6,475	7,560
RI	3	2	2	15.0	17.0	17.5	45	34	35
SC	20	15	13	15.0	12.5	15.0	300	188	195
SD	320	270	360	7.5	8.7	11.5	2,400	2,349	4,140
TN	90	75	70	14.0	16.0	15.0	1,260	1,200	1,050
TX	70	70	60	22.0	16.0	23.5	1,540	1,120	1,410
UT	47	42	43	20.0	21.0	24.0	940	882	1,032
VT	79	76	88	17.0	16.5	18.0	1,343	1,254	1,584
VA	145	130	165	16.0	16.5	12.5	2,320	2,145	2,063
WA	48	50	55	27.0	26.0	28.0	1,296	1,300	1,540
WV	23	20	25	15.0	16.0	12.0	345	320	300
WI	580	865	730	13.5	13.0	15.0	7,830	11,245	10,950
WY	29	33	32	17.0	18.0	21.0	493	594	672
US	5,295	5,415	5,758	14.7	15.4	16.0	77,867	83,594	91,903

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

Table 1-42.—Corn for grain: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per bushel			Value of production		
	1995	1996	1997 ¹	1995	1996	1997 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	3.50	3.45	2.85	57,750	79,212	65,707
AZ	3.70	3.65	3.30	13,838	25,550	28,050
AR	3.10	2.65	2.60	30,303	76,188	56,875
CA	3.95	3.37	3.20	94,800	118,624	141,440
CO	3.33	2.76	2.65	306,793	368,405	398,507
DE	3.75	3.10	3.00	54,731	66,495	47,520
FL	3.20	3.80	2.90	17,280	37,453	18,560
GA	3.55	3.58	2.90	111,825	178,553	159,500
ID	4.50	3.25	3.20	22,050	17,550	19,840
IL	3.30	2.79	2.70	3,729,000	4,097,952	3,848,715
IN	3.38	2.78	2.70	2,024,282	1,863,573	1,942,785
IA	3.20	2.60	2.50	4,487,040	4,467,060	4,140,000
KS	3.24	2.83	2.65	791,467	1,010,876	1,023,165
KY	3.27	3.00	2.70	402,602	446,400	325,377
LA	2.95	3.50	2.70	68,455	228,813	154,791
MD	3.65	3.05	3.10	153,300	197,137	115,785
MI	3.20	2.66	2.55	798,560	575,092	671,288
MN	3.14	2.47	2.45	2,298,009	2,145,813	2,101,733
MS	3.00	3.30	2.65	78,375	203,643	133,269
MO	3.48	2.77	2.55	521,791	983,627	848,946
MT	3.00	2.60	2.60	5,760	5,343	4,914
NE	3.22	2.64	2.55	2,752,134	3,133,416	2,936,835
NJ	3.75	3.00	2.90	27,203	35,532	29,128
NM	2.95	3.10	2.90	34,456	45,570	43,138
NY	3.85	2.98	2.95	246,593	200,882	222,430
NC	3.54	3.43	2.95	265,146	293,265	228,419
ND	3.16	2.43	2.30	127,316	159,214	137,759
OH	3.32	2.75	2.65	1,245,332	839,438	1,225,095
OK	3.70	2.90	2.70	60,125	71,485	71,820
OR	4.11	3.19	3.15	13,810	17,370	13,514
PA	3.86	2.99	3.20	363,149	380,717	312,048
SC	3.40	3.55	2.70	81,991	106,571	87,737
SD	3.23	2.31	2.30	625,167	854,700	766,360
TN	3.50	2.90	2.75	223,020	228,752	182,325
TX	3.19	3.19	2.85	690,954	643,104	707,940
UT	3.88	3.80	3.10	7,760	10,374	9,626
VA	3.35	3.20	2.60	102,259	124,992	78,585
WA	3.45	3.15	3.10	66,861	69,930	55,955
WV	3.85	3.11	3.00	15,400	13,062	10,545
WI	3.11	2.62	2.50	1,081,347	872,460	1,006,500
WY	3.90	2.90	2.80	19,469	17,835	21,546
US	3.24	2.71	2.60	24,117,503	25,312,028	24,394,072

¹ Preliminary.

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

Table 1-43.—Corn: Area, yield, and production in specified countries, 1994/95–1996/97¹

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	955	1,003	1,058	7.37	7.25	6.98	7,043	7,271	7,380
Costa Rica	30	30	25	1.67	1.67	1.60	50	50	40
Cuba	90	85	85	0.56	0.53	0.65	50	45	55
Dominican Republic	25	20	20	0.96	1.30	1.60	24	26	32
El Salvador	317	300	281	1.50	2.13	2.21	474	640	621
Guatemala	800	820	825	1.54	1.62	1.64	1,229	1,330	1,350
Haiti	170	170	200	0.94	1.00	1.00	160	170	200
Honduras	390	406	407	1.37	1.62	1.33	536	656	540
Jamaica and Dep	4	4	4	1.25	1.25	1.25	5	5	5
Mexico	8,022	7,800	8,200	2.12	2.28	2.38	17,005	17,780	19,500
Nicaragua	200	225	274	0.90	1.17	1.16	180	263	318
Panama	81	81	80	1.31	1.28	1.30	106	104	104
Trinidad and Tobago	3	3	3	1.67	1.67	1.67	5	5	5
United States	29,496	26,303	29,602	8.70	7.12	7.97	256,621	187,305	236,064
Total	40,583	37,250	41,064	6.99	5.79	6.48	283,488	215,650	266,214

See footnotes at end of table.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1994/95–1996/97¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1994/ 95	1995/ 96	1996/ 97 ³	1994/ 95	1995/ 96	1996/ 97 ³	1994/ 95	1995/ 96	1996/ 97 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	2,550	2,700	3,225	4.45	4.11	4.56	11,360	11,100	14,700
Bolivia	290	270	300	1.90	1.94	1.83	550	525	550
Brazil	14,189	13,767	13,877	2.64	2.36	2.61	37,440	32,480	36,160
Chile	104	110	105	8.96	9.09	7.62	932	1,000	800
Colombia	660	580	580	1.55	1.66	1.64	1,020	960	950
Ecuador	340	325	245	1.25	1.29	1.24	425	420	305
Guyana	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay	315	300	375	2.54	2.00	2.67	800	600	1,000
Peru	384	365	380	2.04	1.83	1.97	785	667	750
Uruguay	59	55	80	1.86	2.09	2.25	110	115	180
Venezuela	460	460	440	2.26	2.61	2.61	1,040	1,200	1,150
Total	19,356	18,937	19,612	2.81	2.59	2.88	54,467	49,072	56,550
Europe:									
Austria	179	173	201	7.94	8.51	8.63	1,421	1,473	1,735
Belgium-Luxembourg	26	25	25	8.04	8.76	8.80	209	219	220
France	1,637	1,623	1,716	7.72	7.64	8.41	12,640	12,394	14,432
Germany	344	325	372	7.11	7.37	7.83	2,446	2,395	2,913
Greece	158	103	125	8.48	9.22	10.48	1,340	950	1,310
Italy	909	942	1,023	8.05	8.97	9.33	7,320	8,454	9,547
Netherlands	11	9	11	7.55	7.00	7.91	83	63	87
Portugal	177	178	181	4.10	4.30	4.42	726	766	800
Spain	340	351	435	6.67	7.12	8.51	2,269	2,500	3,700
Sweden	3	3	3	3.33	3.33	3.33	10	10	10
Total EU	3,784	3,732	4,092	7.52	7.83	8.49	28,464	29,224	34,754
Switzerland	29	26	24	8.59	8.65	8.96	249	225	215
Albania	60	60	60	3.33	3.33	3.33	200	200	200
Bulgaria	490	430	300	2.82	3.26	2.93	1,383	1,400	880
Czech Republic	35	27	30	3.51	4.19	4.67	123	113	140
Hungary	1,200	1,040	1,053	3.58	4.42	5.60	4,300	4,600	5,900
Poland	58	48	50	3.26	4.98	4.70	189	239	235
Romania	2,998	3,122	3,290	2.84	3.18	2.92	8,500	9,923	9,610
Slovakia	127	122	140	4.10	4.89	5.36	521	596	750
Yugoslavia	2,100	2,000	2,100	3.57	3.85	3.62	7,500	7,700	7,600
Total Eastern Europe	7,068	6,849	7,023	3.21	3.62	3.60	22,716	24,771	25,315
Fmr. Soviet Union:									
Azerbaijan	15	15	15	1.33	1.33	1.33	20	20	20
Georgia	100	115	134	2.10	2.09	2.24	210	240	300
Kyrgyzstan	50	50	50	2.60	2.40	2.40	130	120	120
Kazakhstan	112	93	110	2.05	1.70	1.09	230	158	120
Moldova	300	300	339	2.00	3.67	2.92	600	1,100	989
Russian Fed.	524	643	700	1.72	2.64	1.57	900	1,700	1,100
Tajikistan	8	8	8	3.13	3.13	3.13	25	25	25
Turkmenistan	44	50	50	3.52	3.10	3.00	155	155	150
Ukraine	651	1,161	700	2.36	2.92	2.71	1,537	3,392	1,900
Uzbekistan	60	30	30	3.83	3.33	3.33	230	100	100
Total	1,864	2,465	2,136	2.17	2.84	2.26	4,037	7,010	4,824
Africa:									
Algeria	1	1	1	2.00	2.00	2.00	2	2	2
Angola	500	700	725	0.47	0.57	0.52	235	400	375
Benin	480	530	450	1.02	1.13	1.11	490	600	500
Botswana	30	20	30	0.17	0.25	0.50	5	5	15
Burkina	218	160	230	1.61	1.31	1.30	350	210	300
Burundi	100	120	110	1.25	1.25	1.32	125	150	145
Cameroon	450	400	400	0.96	1.63	1.88	430	650	750
Cape Verde	10	15	15	0.90	0.67	0.67	9	10	10
Central African Republic	70	80	90	0.86	0.88	0.83	60	70	75
Chad	111	70	85	0.85	0.86	0.88	94	60	75
Congo (Brazzaville)	30	30	30	0.67	0.83	0.83	20	25	25
Cote d'Ivoire	675	685	690	0.83	0.87	0.90	560	595	620
Egypt	886	902	924	6.38	5.93	5.89	5,650	5,353	5,440

See footnotes at end of table.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1994/95–1996/97¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1994/ 95	1995/ 96	1996/ 97 ³	1994/ 95	1995/ 96	1996/ 97 ³	1994/ 95	1995/ 96	1996/ 97 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	1,550	1,500	1,950	1.42	1.87	1.64	2,200	2,800	3,200
Gambia, The	16	15	15	1.38	1.33	1.33	22	20	20
Ghana	629	670	665	1.49	1.54	1.50	940	1,035	1,000
Guinea	95	90	90	1.20	1.00	1.00	114	90	90
Guinea-Bissau	13	15	15	1.08	1.00	1.00	14	15	15
Kenya	1,740	1,750	1,500	1.71	1.49	1.47	2,970	2,600	2,200
Lesotho	100	110	125	0.72	1.82	1.00	72	200	125
Madagascar	140	180	190	1.14	1.00	0.95	160	180	180
Malawi	1,400	1,400	1,400	1.14	1.29	1.21	1,600	1,800	1,700
Mali	284	235	205	1.13	1.23	1.29	320	290	265
Mauritania	13	3	3	0.46	1.00	1.00	6	3	3
Morocco	324	390	245	0.63	0.13	0.86	203	50	210
Mozambique	700	1,000	1,100	1.05	0.95	1.05	734	950	1,150
Nigeria	3,500	3,550	3,500	1.83	1.83	1.43	6,417	6,500	5,000
Rwanda	40	50	60	1.50	1.50	1.17	60	75	70
Senegal	110	100	85	1.00	1.05	1.06	110	105	90
Sierra Leone	10	8	10	0.90	1.00	1.00	9	8	10
Somalia	100	150	200	1.00	1.00	0.80	100	150	160
South Africa, Rep. of	2,952	3,300	3,360	1.64	3.09	2.68	4,845	10,200	9,012
Swaziland	60	75	70	1.27	1.80	1.14	76	135	80
Tanzania, United Rep.	1,650	1,655	1,750	1.30	1.55	1.37	2,150	2,570	2,400
Togo	170	260	380	1.47	0.87	1.05	250	225	400
Tunisia	1	1	1	1.00	1.00	1.00	1	1	1
Uganda	563	594	590	1.60	1.60	1.53	900	950	900
Zaire	1,454	1,400	1,350	0.83	0.79	0.81	1,200	1,100	1,100
Zambia	650	675	600	1.23	2.07	1.67	800	1,400	1,000
Zimbabwe	1,400	1,550	1,640	0.64	1.68	1.10	889	2,600	1,800
Total	23,225	24,439	24,879	1.52	1.81	1.63	35,192	44,182	40,513
Asia:									
Afghanistan	450	300	300	1.56	1.67	1.67	700	500	500
Bhutan	50	50	50	1.70	1.70	1.70	85	85	85
Burma	159	160	160	1.61	1.69	1.56	256	270	250
Cambodia	49	50	50	1.33	1.30	1.30	65	65	65
China, People's Republic of	21,152	22,767	24,498	4.69	4.92	5.20	99,280	112,000	127,470
India	6,100	6,010	6,100	1.50	1.57	1.66	9,120	9,440	10,100
Indonesia	3,652	3,531	3,550	1.67	1.70	1.83	6,100	6,000	6,500
Iran	50	50	50	1.40	1.40	1.40	70	70	70
Iraq	140	140	140	2.14	2.14	1.79	300	300	250
Japan	1	1	1	2.00	2.00	1.00	2	2	1
Jordan	1	1	1	1.00	1.00	1.00	1	1	1
Korea, Democratic People's Rep	700	600	300	3.29	3.33	3.33	2,300	2,000	1,000
Korea, Rep. of	22	18	18	4.05	3.89	4.00	89	70	72
Lebanon	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia	20	23	25	2.00	1.87	1.80	40	43	45
Nepal	750	725	770	1.60	1.66	1.62	1,200	1,200	1,250
Pakistan	886	850	875	1.49	1.50	1.49	1,318	1,275	1,300
Philippines	2,967	2,760	2,730	1.53	1.57	1.56	4,534	4,324	4,250
Saudi Arabia	3	3	3	1.33	1.33	1.33	4	4	4
Syria	66	69	70	3.03	2.90	2.86	200	200	200
Taiwan	57	56	50	4.63	4.88	4.00	264	273	200
Thailand	1,200	1,140	1,200	3.17	3.25	3.25	3,800	3,700	3,900
Turkey	480	515	600	3.54	3.50	3.50	1,700	1,800	2,100
Vietnam	535	557	615	2.14	2.13	2.44	1,144	1,184	1,500
Yemen	40	40	45	1.75	1.75	1.67	70	70	75
Total	39,532	40,418	42,203	3.36	3.58	3.82	132,644	144,878	161,190
Oceania:									
Australia	50	63	68	4.84	5.03	5.46	242	317	371
New Zealand	18	18	15	8.89	8.89	9.67	160	160	145
Total	68	81	83	5.91	5.89	6.22	402	477	516
World total	135,509	134,197	141,116	4.14	3.84	4.18	561,659	515,489	590,091

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: Support operations, United States, 1988–97

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
1988/89	0.36	1.77	2.93	756	15.3	151	363
1989/90	0.58	1.65	2.84	920	12.2	361	233
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	19.8	0	42
1995/96	0.00	1.89	2.75	676	9.2	0	30
1996/97	0.251	1.89	NA	970	10.4	0	2
1997/98	0.486	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) 720-4417.

Table 1-45.—Corn: United States exports, specified by country of destination, 1995/96–1996/97¹

Country of destination	Year		Country of destination	Year	
	1995/96	1996/97		1995/96	1996/97
	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons
Corn:					
Canada	735	879	Korea, Rep. of	7,333	5,404
Mexico	6,268	3,141	Taiwan	5,600	5,609
Venezuela	479	730	Japan	14,900	15,425
Peru	476	144	Other Asia	3,778	1,359
Brazil	11	12	Total Asia	31,611	27,797
Chile	325	396	Egypt	1,854	2,364
Other Americas	3,131	3,735	Nigeria	0	0
Total Americas	11,425	9,037	Other Africa	1,498	1,719
European Union	2,351	1,669	Total Africa	3,352	4,083
Other Western Europe	201	209	Other countries	3,497	3,231
Total W. Europe	2,552	1,878	World total	52,681	46,580
Poland	172	293			
Former Soviet Union	50	206			
Other E. Europe	22	55			
Total E. Europe and Former Soviet Union	244	554			

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

Table 1-46.—Oats: Area, yield, production, and value, United States, 1988–97

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
1988	13,907	5,530	39.3	217,375	2.61	532,238
1989	12,085	6,882	54.3	373,587	1.49	548,938
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	206,770	1.36	291,014
1994	6,639	4,010	57.1	229,008	1.22	299,810
1995	6,336	2,962	54.7	162,027	1.67	280,547
1996	4,661	2,685	57.8	155,273	1.96	319,067
1997 ²	5,169	2,911	60.5	176,104	1.60	289,148

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 1-47.—Oats: Stocks on and off farms, United States, 1988–97

Year beginning October	On farms				Off farms ¹			
	Oct. 1	Jan. 1	Apr. 1	Jun. 1	Oct. 1	Jan. 1	Apr. 1	Jun. 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
1988	(²)	59,930	.....	.....	(²)	38,404

Year beginning September	On farms				Off farms ¹			
	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1
1989 .....	.....	.....	140,000	82,850	.....	.....	74,749	74,062
1990 ⁴	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	38,716	45,218	39,362	33,576
1997 ⁵	107,950	83,400	NA	NA	48,972	60,679	NA	NA

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Discontinued. ³ Per program modification estimates available only for June 1. ⁴ Per program modifications: stocks estimates for oats were restored for Sept. 1, Dec. 1, and Mar. 1. ⁵ Preliminary. NA-not available.

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

Table 1-48.—Oats: Supply and disappearance, United States, 1987–96

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
1987	133	374	46	552	358	81	440	1	440	109	4	112
1988	112	217	63	392	194	100	293	1	294	96	2	98
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	234	92	326	1	327	101	0	101
1995	101	162	81	343	183	92	275	2	277	66	0	66
1996 ³ ..	66	155	97	319	155	95	250	3	252	67	0	67

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 1-49.—Oats: Support operations, United States, 1988–97

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>
1988/89	0.00	0.90	1.55	1.0	0.5	0.1	2.4
1989/90	0.00	0.85	1.50	1.8	0.5	0.1	0.7
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	.....	.....	.....	.....

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 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) 720-4417.

Table 1-50.—Oats: Area, yield, and production, by States, 1995–97

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1995	1996	1997 ²	1995	1996	1997 ²	1995	1996	1997 ²	1995	1996	1997 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	50	40	45	23	20	23	35.0	45.0	50.0	805	900	1,150
AR	20	30	20	18	25	17	85.0	72.0	75.0	1,530	1,800	1,275
CA	350	300	350	30	30	35	85.0	75.0	70.0	2,550	2,250	2,450
CO	95	80	70	33	35	28	62.0	52.0	68.0	2,046	1,820	1,904
GA	75	70	70	35	35	40	50.0	64.0	56.0	1,750	2,240	2,240
ID	90	60	80	20	25	20	80.0	75.0	75.0	1,600	1,875	1,550
IL	500	90	100	80	70	75	67.0	66.0	74.0	5,360	4,620	5,550
IN	90	40	60	30	25	35	68.0	64.0	60.0	2,040	1,600	2,100
IA	750	285	330	225	190	245	65.0	68.0	73.0	14,625	12,920	17,885
KS	130	130	130	80	80	80	47.0	52.0	64.0	3,760	4,160	5,120
ME	30	31	28	27	28	25	60.0	75.0	70.0	1,620	2,100	1,750
MD	8	9	15	6	7	11	61.0	62.0	60.0	366	434	660
MI	110	70	100	90	60	90	57.0	60.0	61.0	5,130	3,600	5,490
MN	625	320	410	375	270	310	48.0	56.0	58.0	18,000	15,120	17,980
MO	45	52	40	29	29	27	47.0	53.0	62.0	1,363	1,537	1,674
MT	145	100	140	80	50	70	59.0	40.0	55.0	4,720	2,000	3,850
NE	155	165	130	90	105	70	50.0	71.0	65.0	4,500	7,455	4,550
NY	110	90	120	90	75	110	59.0	57.0	70.0	5,310	4,275	7,700
NC	60	50	55	30	20	25	65.0	60.0	68.0	1,950	1,200	1,700
ND	650	530	700	450	380	400	48.0	50.0	45.0	21,600	19,000	18,000
OH	120	120	130	100	90	100	69.0	57.0	78.0	6,900	5,130	7,800
OK	60	50	85	20	18	45	39.0	36.0	46.0	780	648	2,070
OR	75	80	80	35	35	30	97.0	97.0	95.0	3,395	3,395	2,850
PA	190	160	190	160	135	160	59.0	56.0	59.0	9,440	7,560	9,440
SC	55	50	50	35	30	30	45.0	54.0	60.0	1,575	1,620	1,800
SD	350	450	430	250	360	310	46.0	60.0	55.0	11,500	21,600	17,050
TX	650	650	550	120	100	110	42.0	34.0	52.0	5,040	3,400	5,720
UT	50	45	50	9	9	9	70.0	72.0	74.0	630	648	666
WA	32	28	35	14	14	17	80.0	80.0	80.0	1,120	1,120	1,360
WV	8	6	6	5	3	4	42.0	50.0	50.0	210	150	200
WI	590	430	510	340	300	330	55.0	58.0	63.0	18,700	17,400	20,790
WY	68	50	60	33	32	30	64.0	53.0	61.0	2,112	1,696	1,830
US	6,336	4,661	5,169	2,962	2,685	2,911	54.7	57.8	60.5	162,027	155,273	176,104

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 1-51.—Oats: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per bushel			Value of production		
	1995	1996	1997 ¹	1995	1996	1997 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	1.85	2.50	1.75	1,489	2,250	2,013
AR	1.75	2.84	2.15	2,678	5,112	2,741
CA	2.09	2.22	1.80	5,330	4,995	4,410
CO	2.17	2.24	2.00	4,440	4,077	3,808
GA	1.70	2.53	1.90	2,975	5,667	4,256
ID	1.95	2.00	1.70	3,120	3,750	2,550
IL	1.74	2.27	1.75	9,326	10,487	9,713
IN	1.59	2.51	1.95	3,244	4,016	4,095
IA	1.76	2.16	1.60	25,740	27,907	28,616
KS	1.71	1.92	1.50	6,430	7,987	7,680
ME	1.34	1.57	1.20	2,171	3,297	2,100
MD	1.90	2.71	1.75	695	1,176	1,155
MI	1.90	2.41	1.85	9,747	8,676	10,157
MN	1.59	1.84	1.50	28,620	27,821	26,970
MO	2.00	2.25	1.85	2,726	3,458	3,097
MT	1.75	1.91	1.25	8,260	3,820	4,813
NE	1.83	2.11	1.80	8,235	15,730	8,190
NY	1.65	2.10	1.70	8,762	8,978	13,090
NC	1.50	2.40	1.80	2,925	2,880	3,060
ND	1.52	1.68	1.35	32,832	31,920	24,300
OH	1.68	2.41	1.80	11,592	12,363	14,040
OK	1.80	3.10	2.40	1,404	2,009	4,968
OR	1.89	2.22	1.90	6,417	7,537	5,415
PA	1.91	2.27	1.90	18,030	17,161	17,936
SC	1.65	2.35	1.55	2,599	3,807	2,790
SD	1.88	1.86	1.60	21,620	40,176	27,280
TX	2.19	3.43	1.95	11,038	11,662	11,154
UT	2.05	2.10	1.95	1,292	1,361	1,299
WA	1.75	1.80	1.75	1,960	2,016	2,380
WV	2.20	2.30	2.05	462	345	410
WI	1.63	1.91	1.50	30,481	33,234	31,185
WY	1.85	2.00	1.90	3,907	3,392	3,477
US	1.67	1.96	1.60	280,547	319,067	289,148

¹ Preliminary.

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

Table 1-52.—Oats: Area, yield, and production in specified countries, 1994/95–1996/97¹

Country and continent	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	1,490	1,203	1,684	2.44	2.38	2.59	3,638	2,858	4,361
Mexico	100	100	100	1.00	1.00	1.00	100	100	100
United States	1,623	1,199	1,087	2.05	1.96	2.07	3,324	2,352	2,253
Total	3,213	2,502	2,871	2.20	2.12	2.34	7,062	5,310	6,714
Argentina	275	275	250	1.27	1.27	1.26	350	350	315
Brazil	290	300	300	1.07	1.00	1.00	310	300	300
Chile	65	70	70	3.11	2.86	3.07	202	200	215
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	32	89	90	1.00	0.35	0.33	32	31	30
Total	666	738	714	1.35	1.20	1.21	899	886	865
Europe:									
Austria	49	41	41	3.51	3.93	3.71	172	161	152
Belgium	13	9	8	4.23	4.22	4.00	55	38	32
Denmark	40	32	24	3.50	5.25	5.83	140	168	140
Finland	333	329	374	3.45	3.33	3.37	1,150	1,097	1,261
France	162	149	141	4.20	4.14	4.41	681	617	622
Germany	392	309	302	4.24	4.60	5.32	1,663	1,421	1,606
Greece	40	40	40	1.75	1.75	1.75	70	70	70
Ireland	18	18	18	6.11	5.56	6.11	110	100	110
Italy	144	135	142	2.47	2.23	2.49	355	301	353
Netherlands	6	3	2	4.67	5.33	5.50	28	16	11

See footnotes at end of table.

Table 1-52.—Oats: Area, yield, and production in specified countries, 1994/95–1996/97¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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
Europe, cont.:									
Portugal	80	73	68	0.81	0.79	0.97	65	58	66
Spain	346	300	410	1.16	0.72	1.59	402	216	650
Sweden	323	273	278	3.07	3.47	4.32	991	947	1,200
United Kingdom	110	110	96	4.35	5.59	6.2	479	615	595
Total EU	2,056	1,821	1,944	3.09	3.20	3.53	6,361	5,825	6,868
Norway	98	93	96	3.01	3.80	4.18	295	353	401
Switzerland	10	9	9	5.00	4.78	4.89	50	43	44
Total	108	102	105	3.19	3.88	4.24	345	396	445
Albania	20	20	20	1.25	1.25	1.25	25	25	25
Bulgaria	53	36	35	1.58	1.31	1.17	84	47	41
Czech Republic	68	60	64	3.28	3.12	3.13	223	187	200
Hungary	50	50	48	3.00	2.60	2.29	150	130	110
Poland	618	595	623	2.01	2.51	2.54	1,243	1,495	1,580
Romania	334	239	220	1.42	1.69	1.32	475	404	290
Slovakia	14	16	15	2.36	2.63	2.67	33	42	40
Yugoslavia	120	120	130	1.67	1.67	1.85	200	200	240
Total E. Europe	1,277	1,136	1,155	1.91	2.23	2.19	2,433	2,530	2,526
Fmr. Soviet Union:									
Azerbaijan	2	2	2	1.50	1.50	1.50	3	3	3
Armenia	2	2	2	1.50	1.50	1.50	3	3	3
Byelarus	363	330	300	2.29	2.12	2.33	833	700	700
Estonia	35	39	48	1.66	2.05	2.08	58	80	100
Georgia	10	10	10	1.00	1.00	1.00	10	10	10
Kyrgyzstan	3	3	3	2.67	2.67	2.67	8	8	8
Kazakhstan	650	500	440	1.38	0.48	0.61	900	240	270
Latvia	55	45	56	1.62	1.67	2.11	89	75	118
Lithuania	55	50	50	1.25	1.30	2.00	69	65	100
Moldova	2	3	3	1.50	2.33	2.33	3	7	7
Russian Fed.	8,333	7,928	6,929	1.28	1.08	1.20	10,700	8,600	8,300
Tajikistan	3	3	3	1.00	1.00	1.00	3	3	3
Ukraine	603	560	530	2.30	1.99	1.32	1,385	1,116	700
Total	10,116	9,475	8,376	1.39	1.15	1.23	14,064	10,910	10,322
Algeria	1	100	100	1.00	0.50	1.00	1	50	100
Morocco	43	30	40	0.67	0.67	0.75	29	20	30
South Africa, Rep. of	700	698	675	0.05	0.05	0.05	37	38	34
Total	744	828	815	0.09	0.13	0.20	67	108	164
Asia:									
China, People's Republic	500	540	550	1.20	1.19	1.18	600	640	650
Japan	2	3	1	1.50	1.33	2.00	3	4	2
Turkey	150	150	145	2.00	1.83	1.72	300	275	250
Total	652	693	696	1.38	1.33	1.30	903	919	902
Oceania:									
Australia	897	1,136	1,084	1.03	1.65	1.54	924	1,875	1,672
New Zealand	20	20	20	3.75	3.75	3.75	75	75	75
Total	917	1,156	1,104	1.09	1.69	1.58	999	1,950	1,747
World total	19,749	18,451	17,780	1.68	1.56	1.72	33,133	28,834	30,553

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 1-53.—Barley: Area, yield, production, and value, United States, 1988–97

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
1988	9,831	7,636	38.0	289,994	2.80	775,229
1989	9,125	8,313	48.6	404,203	2.42	968,180
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	57.3	359,562	2.89	1,028,756
1996	7,144	6,767	58.5	395,751	2.74	1,091,463
1997 ²	6,910	6,425	58.3	374,478	2.40	917,131

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

Table 1-54.—Barley: Stocks on and off farms, United States, 1988–97

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
1988	238,910	182,470	123,265	84,519	211,468	189,648	157,334	111,877
1989	254,350	186,440	102,825	48,590	163,598	164,168	149,870	112,226
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	193,700	137,700	82,060	43,715	122,078	110,522	90,840	65,735
1997 ²	196,500	135,700	NA	NA	131,347	109,460	NA	NA

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Preliminary. NA-not available.
NASS, Crops Branch, (202) 720-2127.

Table 1-55.—Barley: Supply and disappearance, United States, 1987–96

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
1987	336	521	11	869	256	171	427	121	548	271	50	321
1988	321	290	11	622	175	171	346	79	425	166	30	196
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	360	41	513	179	172	351	62	413	95	4	100
1996 ²	100	396	37	532	220	172	392	31	423	109	0	109

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 1-56.—Barley: Area, yield, and production, by States, 1995–97

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1995	1996	1997 ²	1995	1996	1997 ²	1995	1996	1997 ²	1995	1996	1997 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	25	55	70	21	54	67	90.0	105.0	102.0	1,890	5,670	6,834
CA	260	250	230	200	200	180	70.0	60.0	55.0	14,000	12,000	9,900
CO	110	100	95	100	92	90	100.0	108.0	112.0	10,000	9,936	10,080
DE	40	25	40	37	23	35	80.0	68.0	89.0	2,960	1,564	3,115
ID	780	750	780	760	730	760	80.0	73.0	79.0	60,800	53,290	60,040
KS	10	13	10	9	11	8	35.0	33.0	40.0	315	363	320
KY	18	22	16	15	20	14	70.0	74.0	75.0	1,050	1,480	1,050
MD	65	55	55	62	49	50	81.0	61.0	80.0	5,022	2,989	4,000
MI	25	28	26	23	25	24	50.0	48.0	60.0	1,150	1,200	1,440
MN	610	550	580	580	520	540	50.0	64.0	51.0	29,000	33,280	27,540
MT	1,300	1,300	1,300	1,200	1,200	1,200	52.0	43.0	53.0	62,400	51,600	63,600
NE	8	20	10	6	17	8	37.0	53.0	51.0	222	901	438
NV	6	6	5	4	5	4	80.0	95.0	105.0	320	475	420
NJ	5	3	5	5	3	4	65.0	60.0	75.0	325	180	300
NC	35	25	24	30	20	20	60.0	65.0	70.0	1,800	1,300	1,400
ND	2,300	2,650	2,400	2,250	2,600	2,250	45.0	55.0	45.0	101,250	143,000	101,250
OK	6	6	10	5	3	8	34.0	23.0	42.0	170	69	336
OR	105	160	130	95	150	120	76.0	64.0	69.0	7,220	9,600	8,280
PA	80	80	80	75	75	75	69.0	67.0	68.0	5,175	5,025	5,100
SC	6	5	4	5	4	3	42.0	50.0	60.0	210	200	180
SD	180	160	145	160	145	130	38.0	44.0	38.0	6,080	6,380	4,940
TX	15	16	10	7	11	5	46.0	34.0	47.0	322	374	295
UT	100	110	100	93	100	95	90.0	82.0	86.0	8,370	8,200	8,170
VA	100	90	80	80	75	65	84.0	68.0	85.0	6,720	5,100	5,525
WA	300	450	500	290	440	490	72.0	62.0	76.0	20,880	27,280	37,240
WI	100	90	80	72	75	65	48.0	53.0	55.0	3,456	3,975	3,575
WY	100	125	125	95	120	115	89.0	86.0	80.0	8,455	10,320	9,200
US	6,689	7,144	6,910	6,279	6,767	6,425	57.3	58.5	58.3	359,562	395,751	374,478

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

Table 1-57.—Barley: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per bushel			Value of production		
	1995	1996	1997 ¹	1995	1996	1997 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AZ	2.95	3.55	3.05	5,576	20,129	20,844
CA	3.28	3.69	2.90	45,920	44,280	28,710
CO	2.95	3.05	3.05	29,500	30,305	30,744
DE	1.70	2.98	1.95	5,032	4,661	6,074
ID	3.05	3.14	2.90	185,440	167,331	174,116
KS	2.11	3.15	2.65	665	1,143	848
KY	2.01	2.81	2.10	2,111	4,159	2,205
MD	1.80	3.12	2.05	9,040	9,326	8,200
MI	2.65	2.40	1.90	3,048	2,880	2,736
MN	2.55	2.38	1.95	73,950	79,206	53,703
MT	3.00	3.07	2.85	187,200	158,412	181,260
NE	2.15	2.15	2.20	477	1,937	898
NV	3.15	3.00	2.85	1,008	1,425	1,197
NJ	1.85	2.55	1.90	601	459	570
NC	2.05	2.60	2.10	3,690	3,380	2,940
ND	2.92	2.42	2.00	295,650	346,060	202,500
OK	2.20	3.20	2.15	374	221	722
OR	3.08	2.72	2.45	22,238	26,112	20,286
PA	2.00	3.14	2.05	10,350	15,779	10,455
SC	2.00	3.30	2.10	420	660	378
SD	2.79	2.58	2.25	16,963	16,460	11,115
TX	2.80	3.75	2.30	902	1,403	541
UT	3.08	2.93	2.30	25,780	24,026	18,791
VA	1.75	2.90	2.30	11,760	14,790	12,708
WA	2.84	2.64	2.35	59,299	72,019	87,514
WI	1.90	2.65	1.75	6,566	10,534	6,256
WY	2.98	3.33	3.35	25,196	34,366	30,820
US	2.89	2.74	2.40	1,028,756	1,091,463	917,131

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

Table 1-58.—Barley: Area, yield, and production in specified countries, 1994/95–1996/97¹

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	4,092	4,365	4,888	2.86	2.99	3.18	11,690	13,035	15,562
Mexico	250	200	200	2.00	2.00	2.00	500	400	400
United States	2,698	2,541	2,739	3.03	3.08	3.15	8,162	7,829	8,616
Total	7,040	7,106	7,827	2.89	2.99	3.14	20,352	21,264	24,578
South America:									
Argentina	140	218	190	2.50	1.77	2.05	350	385	390
Bolivia	140	90	85	0.86	0.67	0.76	120	60	65
Brazil	60	60	100	1.83	1.67	1.75	110	100	175
Chile	25	25	28	3.52	3.60	3.75	88	90	105
Colombia	50	24	20	2.00	1.88	2.00	100	45	40
Ecuador	35	35	35	1.00	0.86	1.00	35	30	35
Peru	100	90	100	1.10	1.11	1.00	110	100	100
Uruguay	83	140	145	2.35	2.39	2.59	195	335	375
Total	633	682	703	1.75	1.68	1.83	1,108	1,145	1,285
Europe:									
Austria	253	229	260	4.68	4.65	4.17	1,184	1,065	1,083
Belgium-Luxembourg	71	68	70	5.72	6.28	5.71	406	427	400
Denmark	705	716	790	4.89	5.40	5.30	3,446	3,864	4,190
Finland	505	516	543	3.68	3.42	3.61	1,858	1,764	1,959
France	1,405	1,393	1,527	5.44	5.56	6.25	7,646	7,739	9,540
Germany	2,070	2,109	2,208	5.27	5.64	5.47	10,902	11,891	12,074
Greece	150	155	148	2.67	2.65	2.60	400	410	385
Ireland	170	181	184	5.01	5.99	6.39	852	1,084	1,175
Italy	392	381	351	3.74	3.64	3.74	1,467	1,387	1,313
Netherlands	43	36	36	5.30	5.64	6.53	228	203	235
Portugal	53	51	41	1.81	1.04	1.41	96	53	58
Spain	3,602	3,300	3,530	2.11	1.58	2.72	7,596	5,200	9,600
Sweden	449	445	459	3.70	4.03	4.60	1,661	1,793	2,113
United Kingdom	1,106	1,192	1,267	5.38	5.73	6.14	5,945	6,833	7,780
Total	10,974	10,772	11,414	3.98	4.06	4.55	43,687	43,713	51,905
Norway	179	175	175	2.85	3.29	3.83	510	575	670
Switzerland	55	55	55	5.18	5.51	6.58	285	303	362
Total W. Europe	234	230	230	3.40	3.82	4.49	795	878	1,032
Albania	10	10	10	3.00	3.00	3.00	30	30	30
Bulgaria	389	400	290	2.94	3.25	1.72	1,143	1,300	500
Czech Republic	680	558	600	3.80	3.84	3.83	2,584	2,140	2,300
Hungary	423	393	326	3.66	3.58	2.85	1,550	1,408	930
Poland	1,032	1,048	1,118	2.60	3.13	3.06	2,686	3,279	3,418
Romania	760	570	500	2.12	2.98	2.22	1,610	1,700	1,110
Slovakia	240	234	230	3.72	3.39	3.13	893	794	720
Yugoslavia	200	200	230	2.50	3.00	3.04	500	600	700
Total E. Europe	3,734	3,413	3,304	2.94	3.30	2.94	10,996	11,251	9,708

See footnotes at end of table.

Table 1-58.—Barley: Area, yield, and production in specified countries, 1994/95–1996/97¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 ³	1994/95	1995/96	1996/97 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	180	245	200	1.83	1.63	1.75	330	400	350
Armenia	65	65	65	1.31	1.38	1.38	85	90	90
Byelarus	1,143	1,000	950	2.64	2.30	2.63	3,013	2,300	2,500
Estonia	218	187	147	1.56	1.49	1.86	340	279	273
Georgia	35	35	35	1.71	1.71	1.14	60	60	40
Kyrgyzstan	210	135	125	1.48	1.28	1.40	310	173	175
Kazakhstan	6,053	4,794	3,600	0.84	0.45	0.75	5,100	2,178	2,700
Latvia	264	203	191	1.82	1.39	2.17	481	283	414
Lithuania	620	545	475	1.76	1.65	2.47	1,091	900	1,175
Moldova	90	90	90	2.78	3.11	1.31	250	280	118
Russian Fed.	16,404	14,710	11,853	1.65	1.07	1.34	27,000	15,800	15,900
Tajikistan	40	40	20	0.83	0.83	1.00	33	33	20
Turkmenistan	72	70	60	1.53	1.71	1.67	110	120	100
Ukraine	5,092	4,413	3,750	2.85	2.18	1.52	14,508	9,633	5,700
Uzbekistan	280	275	200	1.38	1.22	1.05	385	335	210
Total	30,766	26,807	21,761	1.73	1.23	1.37	53,096	32,864	29,765
Africa:									
Algeria	360	800	1,000	0.67	0.68	1.30	240	540	1,300
Egypt	55	50	55	3.09	3.00	3.09	170	150	170
Ethiopia	1,250	1,150	1,450	1.10	1.26	1.10	1,375	1,450	1,600
Kenya	85	85	85	1.06	1.06	1.06	90	90	90
Libya	290	280	280	0.31	0.29	0.36	90	80	100
Morocco	2,582	1,300	2,430	1.44	0.46	1.56	3,720	600	3,800
South Africa, Rep. of	120	125	127	2.29	2.40	1.39	275	300	176
Tunisia	250	200	700	0.58	4.18	1.21	145	835	850
Zimbabwe	4	5	5	1.50	1.20	3.00	6	6	15
Total	4,996	3,995	6,132	1.22	1.01	1.32	6,111	4,051	8,101
Asia:									
Afghanistan	250	225	220	0.92	0.89	0.82	230	200	180
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 ...	1,395	1,283	1,300	3.16	3.19	3.08	4,411	4,089	4,000
Cyprus	60	55	60	2.50	2.36	2.00	150	130	120
India	785	890	880	1.67	1.94	1.88	1,310	1,730	1,650
Iran	2,600	2,500	2,400	1.42	1.32	1.29	3,700	3,300	3,100
Iraq	1,350	1,350	1,300	0.96	0.96	0.92	1,300	1,300	1,200
Israel	14	14	12	0.50	0.50	0.50	7	7	6
Japan	62	59	57	3.63	3.69	4.09	225	218	233
Jordan	62	84	52	0.55	0.68	0.87	34	57	45
Korea, Rep. of	100	100	100	3.90	4.00	4.00	390	400	400
Lebanon	5	5	5	1.20	1.20	1.20	6	6	6
Nepal	30	30	35	0.90	0.83	1.00	27	25	35
Pakistan	151	155	155	0.97	0.97	0.97	146	150	150
Saudi Arabia	317	188	71	6.39	6.38	6.34	2,025	1,200	450
Syria	1,900	1,963	1,559	0.78	0.87	0.96	1,480	1,705	1,500
Turkey	3,500	3,550	3,650	1.86	1.94	1.97	6,500	6,900	7,200
Yemen	49	49	50	1.29	0.59	1.30	63	29	65
Total	12,642	12,512	11,918	1.74	1.71	1.71	22,014	21,456	20,350
Oceania:									
Australia	2,470	3,111	3,272	1.18	1.87	2.03	2,913	5,823	6,632
New Zealand	77	68	78	5.13	4.41	4.94	395	300	385
Total	2,547	3,179	3,350	1.30	1.93	2.09	3,308	6,123	7,017
World total	73,567	68,697	66,640	2.19	2.08	2.31	161,469	142,747	153,743

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 1-59.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1987–96

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>
1987	723	130	3.7	3.5	0.6	38.4	15.8
1988	737	132	3.8	3.5	0.6	41.0	16.7
1989	727	129	4.0	3.5	0.6	43.6	17.6
1990	773	136	4.3	3.5	0.6	45.9	18.3
1991	791	137	4.5	3.5	0.6	47.3	18.7
1992	817	139	4.8	3.5	0.6	48.3	18.8
1993	853	140	4.9	3.3	0.6	53.0	20.4
1994	871	143	5.1	3.6	0.6	54.8	20.9
1995	858	140	5.4	3.2	0.6	55.2	20.9
1996 ⁹	896	146	5.4	3.5	0.6	56.2	21.1

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>
1987	678	14.0	3.4	64.1	3.6	4.3	49.8	4.4	7.4	0.9
1988	692	14.3	3.3	65.6	3.7	4.1	72.7	6.4	7.1	0.9
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	2.6	74.4	3.9	4.0	77.4	6.5	6.1	0.7
1993	831	15.7	2.6	77.8	3.9	4.0	78.3	6.5	6.2	0.7
1994	862	15.8	2.6	80.3	3.9	4.1	79.2	6.5	6.3	0.7
1995	885	16.0	2.6	77.3	4.0	4.1	80.0	6.5	6.4	0.7
1996 ⁹	918	16.2	2.6	84.0	4.0	4.1	81.4	6.6	6.5	0.7

¹Data are in marketing year; for corn, September 1-August 31; for oats, barley, wheat, and rye, June 1-May 31; and rice, August 1-July 31. Syrup and sugar are in calendar year. ²Excludes quantities used in alcoholic beverages. ³Includes white, whole wheat, and semolina flour. ⁴Excludes 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) 694-5308. 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 1-60.—Barley: Support operations, United States, 1988–97

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>
1988/89	0.00	1.44	2.51	21.9	7.6	10.3	30.4
1989/90	0.00	1.34	2.43	24.0	5.9	16.1	19.3
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	7.2	0.0	0.0
1997/98	0.277	1.57	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) 720-4417.

Table 1-61.—Sorghum: Area, yield, production, and value, United States, 1988–97

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
1988	10,343	9,042	63.8	576,686	2.27	1,337,424	518	10.1	5,252
1989	12,642	11,103	55.4	615,420	2.10	1,287,739	541	10.4	5,647
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	9,827	8,917	72.8	649,206	2.13	1,323,801	329	12.0	3,932
1995	9,454	8,278	55.6	460,373	3.19	1,395,413	368	9.9	3,652
1996	13,188	11,901	67.5	802,974	2.34	2,004,154	371	11.7	4,356
1997 ⁴	10,108	9,391	69.5	653,106	2.25	1,455,717	310	12.5	3,885

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 1-62.—Sorghum grain: Stocks on and off farms, United States, 1989–98

Year	On farms				Off farms ¹			
	Jan. 1	Apr. 1	Jun. 1	Oct. 1 ²	Jan. 1	Apr. 1	Jun. 1	Oct. 1 ²
	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	(³)	(³)	85,200	47,800	(³)	(³)	473,768	391,712

Year beginning previous Dec.	On farms				Off farms			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1
1990 .....	.....	88,050	44,500	30,300	.....	425,549	290,484	189,459
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	222,186	129,566	56,433	12,871
1997	144,590	76,980	38,815	15,487	322,767	197,294	80,329	31,974
1998	96,625	NA	NA	NA	273,834	NA	NA	NA

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Old crop only. ³ Per program modification estimates available only for June 1 and September 1. NA-not available.
 NASS, Crops Branch, (202) 720-2127.

Table 1-63.—Sorghum: Supply and disappearance, United States, 1987–96

Year beginning September 1	Supply			Disappearance				Ending stocks Aug. 31			
	Beginning stocks	Production	Total ¹	Domestic use			Exports	Total disappearance	Privately held ²	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
1987	743	731	1,474	561	19	580	232	811	199	464	663
1988	663	577	1,239	471	18	488	311	800	99	341	440
1989	440	615	1,055	522	11	532	303	835	57	163	220
1990	220	573	793	412	7	418	232	651	78	65	143
1991	143	585	727	377	5	383	292	674	45	8	53
1992	53	875	928	471	5	476	277	753	171	4	175
1993	175	534	709	456	4	460	202	662	47	1	48
1994	48	649	697	400	3	402	223	625	71	1	72
1995	72	460	532	305	11	316	198	514	18	0	18
1996 ³ ..	18	803	821	529	40	569	205	774	47	0	47

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 1-64.—Sorghum: Area, yield, and production, by States, 1995–97

State	Area planted for all purposes			Sorghum for grain								
				Area harvested			Yield per harvested acre			Production		
	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
	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	12	14	12	8	10	8	40.0	55.0	50.0	320	550	400
AR	200	230	160	185	220	150	71.0	74.0	74.0	13,135	16,280	11,100
CO	200	290	180	165	260	140	28.0	51.0	40.0	4,620	13,260	5,600
GA	55	65	65	30	40	40	37.0	41.0	40.0	1,110	1,640	1,600
IL	180	230	160	170	220	155	69.0	84.0	91.0	11,730	18,480	14,105
KS	3,300	4,800	3,650	3,100	4,600	3,500	56.0	77.0	78.0	173,600	354,200	273,000
KY	25	26	15	22	23	12	84.0	92.0	75.0	1,848	2,116	900
LA	87	155	100	84	153	98	70.0	76.0	77.0	5,880	11,628	7,546
MS	45	75	35	41	72	33	65.0	70.0	75.0	2,665	5,040	2,475
MO	520	600	450	490	580	440	73.0	91.0	93.0	35,770	52,780	40,920
NE	1,250	1,250	900	980	1,030	750	58.0	95.0	82.0	56,840	97,850	61,500
NM	230	250	245	130	225	235	26.0	33.0	44.0	3,380	7,425	10,340
NC	15	19	20	10	10	11	65.0	57.0	50.0	650	570	550
OK	350	520	520	320	490	490	40.0	59.0	50.0	12,800	28,910	24,500
SC	15	10	6	8	5	4	40.0	50.0	40.0	320	250	160
SD	250	230	270	120	145	160	40.0	55.0	71.0	4,800	7,975	11,360
TN	20	24	20	15	18	15	87.0	90.0	80.0	1,305	1,620	1,200
TX	2,700	4,400	3,300	2,400	3,800	3,150	54.0	48.0	59.0	129,600	182,400	185,850
US	9,454	13,188	10,108	8,278	11,901	9,391	55.6	67.5	69.5	460,373	802,974	653,106

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

Table 1-65.—Sorghum: Utilization for silage, by States, 1995–97

State	Silage								
	Area harvested			Yield per acre			Production		
	1995	1996	1997	1995	1996	1997	1995	1996	1997
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	3	3	3	8.0	10.0	10.0	24	30	30
AR	5	5	5	7.0	7.0	7.0	35	35	35
CO	13	12	18	13.0	13.0	13.0	169	156	234
GA	20	20	15	12.0	10.0	10.0	240	200	150
IL	2	1	1	9.0	11.0	12.0	18	11	12
KS	80	120	80	10.0	14.0	16.0	800	1,680	1,280
KY	1	1	1	11.0	14.0	11.0	11	14	11
MS	3	2	2	12.0	8.0	8.0	36	16	16
MO	15	10	7	8.0	8.0	8.0	120	80	56
NE	60	60	60	10.0	13.5	10.5	600	810	630
NM	3	6	7	12.0	12.0	17.0	36	72	119
NC	3	4	4	12.0	8.0	10.0	36	32	40
OK	7	8	12	6.0	15.0	12.0	42	120	144
SC	5	4	2	15.0	10.0	15.0	75	40	30
SD	100	60	60	7.5	7.5	10.5	750	450	630
TN	3	5	3	10.0	12.0	16.0	30	60	48
TX	45	50	30	14.0	11.0	14.0	630	550	420
US	368	371	310	9.9	11.7	12.5	3,652	4,356	3,885

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

Table 1-66.—Sorghum grain: Marketing year average price and value, by States, crop of 1995, 1996, and 1997

State	Marketing year average price per bushel			Value of production		
	1995	1996	1997	1995	1996	1997
	<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	2.86	2.74	2.20	915	1,507	880
AR	2.91	2.95	2.60	38,223	48,026	28,860
CO	3.14	2.27	2.25	14,507	30,100	12,600
GA	3.24	2.58	2.65	3,596	4,231	4,240
IL	3.27	2.30	2.40	38,357	42,504	33,852
KS	3.10	2.28	2.15	538,160	807,576	586,950
KY	3.47	2.53	2.60	6,413	5,353	2,340
LA	2.80	2.91	2.45	16,464	33,837	18,488
MS	2.69	2.97	2.55	7,169	14,969	6,311
MO	3.10	2.37	2.15	110,887	125,089	87,978
NE	3.03	2.34	2.25	172,225	228,969	138,375
NM	3.23	2.58	2.50	10,917	19,157	25,850
NC	2.80	2.97	2.60	1,820	1,693	1,430
OK	3.18	2.39	2.20	40,704	69,095	53,900
SC	2.94	3.00	2.30	941	750	368
SD	2.97	2.03	2.00	14,256	16,189	22,720
TN	3.08	2.63	2.60	4,019	4,261	3,120
TX	2.90	3.02	2.30	375,840	550,848	427,455
US	3.19	2.34	2.25	1,395,413	2,004,154	1,455,717

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

Table 1-67.—Sorghum grain: Support operations, United States, 1988-97

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>
1988/89	0.86	3.00	4.96	22.7	7.0	17.0	190.9
1989/90	1.18	2.80	4.82	11.7	3.4	10.1	91.0
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	6.9	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	2.5	0.0	0.0
1997/98	0.971	3.14	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) 720-4417.

Table 1-68.—Feed grains: United States exports under specified Government programs, 1986–95

Year ¹	Public Law 480				Title III ⁶	Food for Progress ⁷	Foreign donations Section 416(b) ⁸	Mutual security (AID) ⁹	Total specified Government programs
	Title I sales		Title II donations						
	Sales for foreign currency ²	Long-term dollar and convertible foreign currency credit sales ³	Government-to-government and World Food Program ⁴	Voluntary relief agencies ⁵					
1986	.....	333	39	14	.....	.....	38	420	844
1987	8	253	145	20	.....	.....	888	25	1,339
1988	.....	133	131	21	.....	.....	743	231	1,259
1989	13	364	234	51	.....	.....	1,707	555	2,924
1990	19	160	308	32	.....	.....	1,307	418	2,244
1991	.....	249	169	62	394	4	833	.....	1,711
1992	.....	1,013	50	146	48	952	1,297	1,483	4,989
1993	.....	2,610	198	154	175	.....	375	.....	3,512
1994 ¹⁰	.....	67	381	166	88	4	.....	NA	706
1995 ¹⁰	.....	.....	163	41	76	31	.....	NA	311

¹ Year beginning Oct. 1. ² Authorized by Title I, P.L. 480. ³ Shipments under agreements, authorized by Title I, P.L. 480, as amended by P.L. 89-808. ⁴ Authorized by Title II, P.L. 480. ⁵ Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967. ⁶ Shipment under this title represents grants to least-developed countries. Prior to fiscal year 1991, shipments under Titles I and III were reported together. ⁷ This program is used to support countries that have made commitments to introduce or expand free enterprise elements in their agricultural economy. ⁸ Section 416(b) of the Agricultural Act of 1949, as amended. ⁹ Foreign Assistance Act of 1961, as amended. ¹⁰ Preliminary. NA-not available.

ERS, Market and Trade Economics Division, (202) 694-5266.

Table 1-69.—Commercial feeds: Disappearance for feed, United States, 1987–96

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
1987	21,323	2,582	140	120	419	24,584	2,709	389	453	3,551
1988	19,496	2,547	102	162	329	22,636	2,567	292	446	3,305
1989	22,291	2,265	139	124	299	25,118	2,557	357	461	3,375
1990	22,934	2,662	124	113	337	26,170	2,527	275	458	3,260
1991	23,008	3,115	127	172	496	26,918	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	2,960	115	181	478	30,345	2,536	290	419	3,245
1996 ³	27,322	3,103	109	141	462	31,137	2,783	291	370	3,445

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
1987	6,230	1,636	608	610	9,084	37,219
1988	6,302	1,421	678	403	8,803	34,744
1989	6,191	199	613	331	7,333	35,827
1990	6,600	18	612	367	7,597	37,027
1991	6,846	602	584	292	8,324	38,510
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	7,276	881	586	255	8,998	42,588
1996 ³	7,276	1,833	545	248	9,903	44,485

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 1-70.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 1987–96

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
1987	23,455	3,011	26,466	3,889	974	31,330	112.9	555	114
1988	21,446	2,912	24,358	3,595	846	28,799	114.7	502	125
1989	24,520	2,613	27,133	3,669	118	30,920	117.2	528	94
1990	25,227	2,993	28,221	3,529	11	31,760	120.7	526	90
1991	25,309	3,619	28,928	3,527	359	32,813	123.5	531	95
1992	26,676	3,078	29,754	3,661	354	33,770	126.1	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	3,458	32,730	3,547	524	36,801	132.3	556	114
1996	30,054	3,532	33,586	3,831	1,092	38,509	132.9	579	136

¹ In terms of 44 percent protein soybean meal equivalent. ² Includes cottonseed, linseed, peanut meal, and sunflower meal. ³ Beginning 1974, adjusted for exports of corn gluten feed and meal.
ERS, Market and Trade Economics Division (202)694–5290.

Table 1-71.—Feed concentrates fed to livestock and poultry, 1987–96

Year beginning October	Feed grains				Wheat ¹	Rye ²	By-product feeds ³	Total concentrates	Grain consuming animal units	Concentrates fed per grain-consuming animal unit
	Corn ¹	Sorghum ¹	Oats ¹ and barley ¹	Total						
1987	134.1	15.7	11.6	161.4	6.3	0.3	44.2	212.2	76.7	2.76
1988	110.2	13.2	8.4	131.8	4.0	0.3	40.6	176.6	76.8	2.30
1989	122.7	14.6	9.8	147.1	8.2	0.2	42.4	198.0	77.4	2.56
1990	129.1	11.5	9.7	150.4	13.3	0.2	43.9	207.7	80.1	2.59
1991	134.3	10.6	9.6	154.5	6.9	0.2	45.3	207.0	80.7	2.56
1992	147.1	13.2	8.4	168.7	4.3	0.2	46.7	219.8	82.7	2.66
1993	131.1	12.8	10.2	154.1	10.6	0.2	48.3	213.1	84.0	2.54
1994	154.6	11.2	8.5	174.3	8.2	0.2	50.0	232.8	84.3	2.76
1995	131.1	8.5	7.3	146.9	7.0	0.2	49.3	203.4	85.0	2.39
1996	150.1	14.8	6.9	171.8	9.8	0.1	52.2	234.0	85.2	2.74

¹ Marketing year beginning Sept. 1. ² Marketing year beginning June 1. ³ Oilseed meals, animal protein feeds, mill byproducts, and mineral supplements.
ERS, Market and Trade Economics Division (202) 694–5290.

Table 1-72.—Feed consumed per head and per unit of production, by class of livestock or poultry, with quantity expressed in equivalent feeding value of corn, 1987–96

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>
1987	13,101	93	6,561	9,943	5,320	5,964	1,321	1,278	1,712
1988	12,126	85	6,397	8,516	5,269	5,719	1,254	1,260	1,667
1989	12,690	87	6,492	9,342	5,298	5,874	1,304	1,271	1,603
1990	12,765	86	6,504	9,451	5,302	5,943	1,316	1,272	1,636
1991	12,709	82	6,495	9,369	5,299	5,880	1,305	1,271	1,553
1992	12,890	82	6,525	9,634	5,309	5,957	1,331	1,275	1,568
1993	12,688	79	6,491	9,338	5,298	5,901	1,326	1,271	1,611
1994	13,149	80	6,569	10,013	5,322	5,977	1,330	1,279	1,627
1995	12,407	76	6,444	8,928	5,284	5,809	1,285	1,266	1,615
1996 ⁴	13,140	78	6,567	9,999	5,322	6,025	1,346	1,279	1,646

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>
1987	131	52	31	649	11.6	278	97	480	678	3,870
1988	111	43	26	598	9.7	235	83	420	562	3,680
1989	122	49	29	788	10.8	260	91	462	591	3,790
1990	124	50	30	795	10.9	260	91	462	625	3,804
1991	123	49	29	794	10.8	252	91	431	618	3,794
1992	127	51	30	824	11.2	256	94	426	604	3,829
1993	122	49	29	795	10.8	244	91	406	598	3,789
1994	132	53	31	827	11.7	260	98	436	630	3,879
1995	117	46	28	816	10.2	225	87	385	544	3,735
1996 ⁴	132	52	31	969	11.5	241	97	407	626	3,878

¹Feed consumed by all cattle divided by the number on feed Jan. 1. ²Feed 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. ³Including wool produced. ⁴Preliminary.

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

Table 1-73.—Feed consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1987–96

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>
1987	222	81	179	482	1992	231	83	173	487
1988	186	72	181	440	1993	226	77	183	486
1989	209	74	177	459	1994	246	80	184	511
1990	219	79	171	469	1995	218	79	185	483
1991	218	79	175	472	1996 ¹	248	79	180	507

¹Preliminary.

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

Table 1-74.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1987–96¹

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>
1987	76,750	76,318	76,096	1992	82,711	75,250	77,663
1988	76,806	74,468	74,970	1993	83,970	76,348	78,803
1989	77,350	73,699	74,692	1994	84,317	77,873	79,869
1990	80,075	73,490	75,605	1995	85,025	77,921	80,155
1991	80,685	74,665	76,538	1996 ⁵	85,206	75,860	78,968

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) 694–5296.

Table 1-75.—Feed grains: Average price, selected markets and grades, 1988–97¹

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>
1988	2.61	3.76	4.16	2.56	4.11	2.31	2.80
1989	2.53	3.10	4.21	2.43	3.28	2.20	1.65
1990	2.45	2.98	4.08	2.31	2.42	2.13	1.30
1991	2.55	3.06	4.36	2.39	2.36	2.16	1.47
1992	2.26	2.49	3.74	2.11	2.37	2.11	1.57
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

Crop year ²	Omaha: Corn, No. 2 Yellow	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Los Angeles			St. Louis: Corn, No. 2 Yellow
				Corn, No. 2 Yellow	Barley, No. 2 Western	Sorghum, No. 2 Yellow	
	<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>	<i>Dollars per bushel</i>
1988	2.49	2.67	4.66	3.73	3.10	6.08	2.73
1989	2.41	2.54	4.38	3.38	2.90	5.53	2.58
1990	2.28	2.40	4.48	3.33	2.84	5.52	2.49
1991	2.36	2.51	4.78	3.39	2.83	5.69	2.54
1992	2.10	2.23	4.06	3.12	2.79	5.11	2.25
1993	2.10	2.23	4.06	(³)	(³)	(³)	2.25
1994	2.58	2.68	4.95	(³)	(³)	(³)	2.67
1995	2.31	2.44	4.75	(³)	(³)	(³)	2.51
1996	3.87	3.97	7.30	(³)	(³)	(³)	4.06
1997	2.70	2.84	5.02	(³)	(³)	(³)	2.90

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. ³ Discontinued.

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

Table 1-76.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 1987–96

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	West Coast		
	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton
1987	221.90	239.30	197.20	178.50	160.30	255.90	236.20	76.80	65.90
1988	233.40	252.30	203.50	188.30	162.00	255.30	355.40	84.10	80.80
1989	173.70	187.40	180.20	168.20	130.40	204.70	302.80	80.60	72.60
1990	174.10	182.80	146.60	130.60	129.50	207.50	296.70	65.80	60.50
1991	175.90	187.90	157.50	127.20	114.40	191.10	310.60	69.40	63.10
1992	181.80	194.60	178.00	161.80	133.40	221.00	325.70	70.80	59.90
1993	179.80	203.00	180.50	169.60	132.50	204.40	(³)	80.60	68.10
1994	152.50	171.70	129.40	120.80	95.00	168.70	(³)	65.50	53.90
1995	225.10	243.10	208.80	19.70	159.00	231.50	(³)	120.30	108.00
1996	260.40	279.70	207.50	91.40	158.70	271.80	(³)	88.30	80.20

Year beginning October	Wheat shorts or mid-dlings	Wheat millrun	Gluten feed	Hominy feed	Distillers' dried grains	Brewers' dried grains	Alfalfa meal		Feeding molasses
	Kansas City	Portland	21% protein	Illinois Points	Lawrenceburg ¹	Milwaukee	Dehydrated, 17% protein	Sun-cured	New Orleans
			Illinois Points				Kansas City	Kansas City	
	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton
1987	76.80	85.90	117.60	84.60	133.80	111.10	110.70	105.20	59.80
1988	84.10	102.20	116.30	90.60	141.00	125.10	136.20	130.60	60.10
1989	80.60	95.80	96.80	88.70	117.30	96.50	125.90	121.10	56.80
1990	65.80	87.80	96.00	80.30	126.40	94.00	109.70	103.20	68.00
1991	69.40	85.10	101.50	85.00	123.50	105.10	101.50	95.90	64.00
1992	71.00	81.60	93.90	67.20	121.90	104.50	112.40	103.80	55.60
1993	80.60	88.70	89.30	80.50	123.80	(³)	124.70	114.2	62.50
1994	66.30	82.00	82.00	83.80	105.40	(³)	118.40	112.7	71.20
1995	120.40	118.70	119.30	132.10	156.10	(³)	130.40	122.0	77.50
1996	80.30	95.70	90.20	88.90	139.80	(³)	142.70	130.9	60.10

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. ³ Discontinued.

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