

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, 1988–97¹

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>
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	355.6	6.2	405.9	246.1	99.3	345.3	60.5
1995	60.5	277.3	5.0	342.8	216.5	100.5	317.0	25.8
1996	25.8	335.5	5.9	367.2	244.5	82.3	326.9	40.3
1997 ³	40.3	336.3	5.9	382.5	246.0	77.4	323.4	59.1

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

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

Table 1-2.—Wheat: Area, yield, production, and value, United States, 1989–98

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>
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	69,031	60,955	35.8	2,182,708	4.55	9,787,213
1996	75,105	62,819	36.3	2,277,388	4.30	9,782,238
1997	70,412	62,840	39.5	2,481,466	3.38	8,286,741
1998	65,871	59,002	43.2	2,550,383	2.70	6,931,996

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, 1989–98

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>
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	48,591	40,987	37.7	1,545,303	4.41	6,717,800
1996	51,445	39,574	37.1	1,469,618	4.33	6,396,217
1997	47,985	41,340	44.6	1,845,528	3.23	5,948,655
1998	46,449	40,126	46.9	1,880,605	2.50	4,774,374
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>
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	3,310	3,177	27.6	87,793	4.92	422,497
1998	3,805	3,728	37.8	141,069	3.40	515,152
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>
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	17,004	16,612	32.2	535,125	4.59	2,501,872
1996	20,030	19,689	35.1	691,680	4.20	2,844,028
1997	19,117	18,323	29.9	548,155	3.53	1,915,589
1998	15,617	15,148	34.9	528,709	3.05	1,642,470

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, 1989–98

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>
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	859,800	570,550	335,250	163,410	1,209,694	920,554	633,949	343,175
1995	743,600	477,000	220,550	74,610	1,137,499	861,267	602,914	301,410
1996	824,500	584,150	320,750	154,560	899,696	634,660	501,069	289,047
1997	794,350	604,000	399,920	224,210	1,281,998	1,015,242	766,644	498,268
1998	885,720	680,200	NA	NA	1,499,770	1,211,746	NA	NA

Year beginning September	Durum wheat ²							
	On farms				Off farms ¹			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
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	16,801	13,752
1995	72,560	47,220	27,250	12,470	24,655	23,886	21,311	12,931
1996	79,700	66,100	33,100	17,800	22,410	19,541	21,855	12,938
1997	51,000	37,000	22,000	13,380	36,712	30,280	20,473	12,448
1998	88,000	75,300	NA	NA	37,908	34,019	NA	NA

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

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Table 1-5.—Wheat: Supply and disappearance, United States, 1988–97

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				
	<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>	
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	345	1,287	1,188	2,475	507	
1995	507	2,183	68	2,757	883	103	154	1,140	1,241	2,381	376	
1996	376	2,277	92	2,746	891	102	308	1,301	1,001	2,302	444	
1997 ³	444	2,481	95	3,020	917	93	248	1,257	1,040	2,297	722	

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, 1994–97¹

Item	Year beginning June				Item	Year beginning June			
	1994	1995	1996	1997		1994	1995	1996	1997
	<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>
All wheat:					Hard red spring:				
Stocks, June 1	568	507	376	444	Stocks, June 1	201	193	106	166
Production	2,321	2,183	2,285	2,527	Production	515	475	631	501
Supply ²	2,981	2,757	2,753	3,065	Supply ²	767	698	790	723
Exports ³	1,188	1,241	1,001	1,040	Exports ³	292	330	300	240
Domestic disappearance	1,287	1,140	1,308	1,302	Domestic disappearance	282	262	324	263
Stocks, May 31	507	376	444	722	Stocks, May 31	193	106	166	220
Hard red winter:					Durum:				
Stocks, June 1	227	194	154	143	Stocks, June 1	28	26	26	31
Production	971	825	761	1,121	Production	97	102	116	86
Supply ²	1,202	1,019	915	1,264	Supply ²	147	147	166	146
Exports ³	422	384	286	358	Exports ³	40	39	38	57
Domestic disappearance	586	481	486	600	Domestic disappearance	81	82	97	63
Stocks, May 31	194	154	143	306	Stocks, May 31	26	26	31	26
Soft red winter:					White:				
Stocks, June 1	45	37	35	45	Stocks, June 1	67	57	55	59
Production	434	456	422	484	Production	304	325	355	335
Supply ²	480	492	457	529	Supply ²	386	401	425	402
Exports ³	212	250	140	180	Exports ³	222	238	237	205
Domestic disappearance	231	207	272	269	Domestic disappearance	107	108	129	107
Stocks, May 31	37	35	45	80	Stocks, May 31	57	55	59	90

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, 1996–98

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
	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	110	130	120	80	90	85	44.0	42.0	42.0	3,520	3,780	3,570
AZ	180	100	153	178	98	152	90.4	89.5	104.2	16,090	8,775	15,840
AR	1,300	880	980	1,240	820	900	54.0	48.0	51.0	66,960	39,360	45,900
CA	780	655	680	688	544	555	75.2	76.6	69.5	51,750	41,680	38,550
CO	2,870	3,053	2,812	2,268	2,750	2,610	33.3	32.8	39.7	75,500	90,100	103,710
DE	80	75	75	78	73	73	53.0	73.0	51.0	4,134	5,329	3,723
FL	13	20	15	10	17	13	38.0	39.0	43.0	380	663	559
GA	380	400	290	330	350	240	48.0	44.0	43.0	15,840	15,400	10,320
ID	1,620	1,500	1,350	1,560	1,430	1,280	76.4	79.6	80.0	119,200	113,830	102,410
IL	1,650	1,150	1,250	1,100	1,090	1,200	38.0	61.0	48.0	41,800	66,490	57,600
IN	850	700	700	720	630	650	38.0	58.0	55.0	27,360	36,540	35,750
IA	52	27	40	25	32	35.0	42.0	40.0	1,400	1,050	1,280	
KS	11,800	11,400	10,700	8,800	10,900	10,100	29.0	46.0	49.0	255,200	501,400	494,900
KY	700	650	750	530	420	550	53.0	54.0	45.0	28,090	22,680	24,750
LA	140	130	100	130	115	90	43.0	37.0	44.0	5,590	4,255	3,960
MD	235	215	225	227	210	215	52.0	68.0	50.0	11,804	14,280	10,750
MI	680	530	600	600	520	570	38.0	62.0	54.0	22,800	32,240	30,780
MN	2,595	2,520	2,015	2,542	2,415	1,982	41.9	32.0	40.6	106,582	77,300	80,444
MS	245	200	160	230	175	150	49.0	43.0	45.0	11,270	7,525	6,750
MO	1,600	1,150	1,350	1,250	1,080	1,250	39.0	54.0	46.0	48,750	58,320	57,500
MT	6,640	6,150	5,650	6,360	5,840	5,280	27.5	31.1	32.0	174,980	181,540	168,790
NE	2,300	2,000	1,900	2,100	1,900	1,800	35.0	37.0	46.0	73,500	70,300	82,800
NV	21	21	16	19	19	14	86.8	98.7	88.6	1,650	1,875	1,240
NJ	46	40	48	38	38	44	46.0	60.0	52.0	1,748	2,280	2,288
NM	470	430	415	110	285	265	37.0	35.0	30.0	4,070	9,975	7,950
NY	160	135	140	150	130	130	43.0	56.0	54.0	6,450	7,280	7,020
NC	630	730	730	590	670	680	44.0	51.0	41.0	25,960	34,170	27,880
ND	12,680	11,625	9,770	12,515	11,095	9,610	31.6	24.3	32.3	395,130	269,290	310,650
OH	1,400	1,180	1,200	1,330	1,090	1,160	39.0	63.0	64.0	51,870	68,670	74,240
OK	6,800	6,700	6,600	4,900	5,300	5,100	19.0	32.0	39.0	93,100	169,600	198,900
OR	940	955	910	920	935	885	70.7	64.6	65.0	65,085	60,390	57,490
PA	195	180	195	190	175	190	48.0	52.0	51.0	9,120	9,100	9,690
SC	280	310	265	270	300	240	45.0	50.0	32.0	12,150	15,000	7,680
SD	4,325	4,020	3,475	3,854	3,419	3,294	36.1	28.7	36.7	139,270	98,013	120,884
TN	600	550	570	380	360	370	44.0	45.0	41.0	16,720	16,200	15,170
TX	6,000	6,300	6,100	2,900	4,100	3,900	26.0	29.0	35.0	75,400	118,900	136,500
UT	202	195	179	185	189	173	40.3	46.3	51.1	7,455	8,742	8,834
VA	300	280	280	275	260	245	53.0	67.0	45.0	14,575	17,420	11,025
WA	2,800	2,690	2,670	2,745	2,580	2,565	66.5	64.0	61.4	182,670	165,120	157,425
WV	14	13	11	11	9	8	45.0	54.0	57.0	495	486	456
WI	162	163	148	140	152	142	42.4	56.1	53.8	5,940	8,531	7,635
WY	260	260	234	236	242	210	25.6	31.4	32.3	6,030	7,587	6,790
US	75,105	70,412	65,871	62,819	62,840	59,002	36.3	39.5	43.2	2,277,388	2,481,466	2,550,383

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

Table 1-8.—Wheat, by type: Area, yield, and production, by States, 1996–98

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
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	110	130	120	80	90	85	44.0	42.0	42.0	3,520	3,780	3,570
AZ	15	10	8	14	9	8	95.0	85.0	90.0	1,330	765	720
AR	1,300	880	980	1,240	820	900	54.0	48.0	51.0	66,960	39,360	45,900
CA	640	510	500	550	400	380	69.0	70.0	60.0	37,950	28,000	22,800
CO	2,800	3,000	2,750	2,200	2,700	2,550	32.0	32.0	39.0	70,400	86,400	99,450
DE	80	75	75	78	73	73	53.0	73.0	51.0	4,134	5,329	3,723
FL	13	20	15	10	17	13	38.0	39.0	43.0	380	663	559
GA	380	400	290	330	350	240	48.0	44.0	43.0	15,840	15,400	10,320
ID	900	910	820	860	860	770	80.0	80.0	82.0	68,800	68,800	63,140
IL	1,650	1,150	1,250	1,100	1,090	1,200	38.0	61.0	48.0	41,800	66,490	57,600
IN	850	700	700	720	630	650	38.0	58.0	55.0	27,360	36,540	35,750
IA	52	27	40	40	25	32	35.0	42.0	40.0	1,400	1,050	1,280
KS	11,800	11,400	10,700	8,800	10,900	10,100	29.0	46.0	49.0	255,200	501,400	494,900
KY	700	650	750	530	420	550	53.0	54.0	45.0	28,090	22,680	24,750
LA	140	130	100	130	115	90	43.0	37.0	44.0	5,590	4,255	3,960
MD	235	215	225	227	210	215	52.0	68.0	50.0	11,800	14,280	10,750
MI	680	530	600	600	520	570	38.0	62.0	54.0	22,800	32,240	30,780
MN	35	65	60	32	60	57	36.0	32.0	27.0	1,152	1,920	1,539
MS	245	200	160	230	175	150	49.0	43.0	45.0	11,270	7,525	6,750
MO	1,600	1,150	1,350	1,250	1,080	1,250	39.0	54.0	46.0	48,750	58,320	57,500
MT	2,150	1,600	1,400	1,980	1,450	1,250	31.0	38.0	39.0	61,380	55,100	48,750
NE	2,300	2,000	1,900	2,100	1,900	1,800	35.0	37.0	46.0	73,500	70,300	82,800
NV	10	15	7	9	14	6	100.0	100.0	100.0	900	1,400	600
NJ	46	40	48	38	38	44	46.0	60.0	52.0	1,748	2,280	2,288
NM	470	430	415	110	285	265	37.0	35.0	30.0	4,070	9,975	7,950
NY	160	135	140	150	130	130	43.0	56.0	54.0	6,450	7,280	7,020
NC	630	730	730	590	670	680	44.0	51.0	41.0	25,960	34,170	27,880
ND	80	75	70	75	65	60	30.0	22.0	35.0	2,250	1,430	2,100
OH	1,400	1,180	1,200	1,330	1,090	1,160	39.0	63.0	64.0	51,870	68,670	74,240
OK	6,800	6,700	6,600	4,900	5,300	5,100	19.0	32.0	39.0	93,100	169,600	198,900
OR	830	830	810	815	815	790	72.0	66.0	67.0	58,680	53,790	52,930
PA	195	180	195	190	175	190	48.0	52.0	51.0	9,120	9,100	9,690
SC	280	310	265	270	300	240	45.0	50.0	32.0	12,150	15,000	7,680
SD	2,000	1,650	1,500	1,580	1,150	1,420	35.0	30.0	43.0	55,300	34,500	61,060
TN	600	550	570	380	360	370	44.0	45.0	41.0	16,720	16,200	15,170
TX	6,000	6,300	6,100	2,900	4,100	3,900	26.0	29.0	35.0	75,400	118,900	136,500
UT	175	170	155	160	165	150	38.0	46.0	50.0	6,080	7,590	7,500
VA	300	280	280	275	260	245	53.0	67.0	45.0	14,575	17,420	11,025
WA	2,400	2,250	2,200	2,350	2,150	2,100	70.0	66.0	65.0	164,500	141,900	136,500
WV	14	13	11	11	9	8	45.0	54.0	57.0	495	486	456
WI	150	155	140	130	145	135	43.0	57.0	55.0	5,590	8,265	7,425
WY	230	240	220	210	225	200	25.0	31.0	32.0	5,250	6,975	6,400
US	51,445	47,985	46,449	39,574	41,340	40,126	37.1	44.6	46.9	1,469,618	1,845,528	1,880,605
Durum wheat												
AZ	165	90	145	164	89	144	90.0	90.0	105.0	14,760	8,010	15,120
CA	140	145	180	138	144	175	100.0	95.0	90.0	13,800	13,680	15,750
MN	10	5	5	10	5	5	43.0	36.0	37.0	430	180	185
MT	290	300	450	280	290	430	25.0	26.0	28.0	7,000	7,540	12,040
ND	3,000	2,750	3,000	2,940	2,630	2,950	27.0	22.0	33.0	79,380	57,860	97,350
SD	25	20	25	24	19	24	30.0	27.0	26.0	720	513	624
US	3,630	3,310	3,805	3,556	3,177	3,728	32.6	27.6	37.8	116,090	87,783	141,069
Other spring wheat												
CO	70	53	62	68	50	60	75.0	74.0	71.0	5,100	3,700	4,260
ID	720	590	530	700	570	510	72.0	79.0	77.0	50,400	45,030	39,270
MN	2,550	2,450	1,950	2,500	2,350	1,920	42.0	32.0	41.0	105,000	75,200	78,720
MT	4,200	4,250	3,800	4,100	4,100	3,600	26.0	29.0	30.0	106,600	118,900	108,000
NV	11	6	9	10	5	8	75.0	95.0	80.0	750	475	640
ND	9,600	8,800	6,700	9,500	8,400	6,600	33.0	25.0	32.0	313,500	210,000	211,200
OR	110	125	100	105	120	95	61.0	55.0	48.0	6,405	6,600	4,560
SD	2,300	2,350	1,950	2,250	2,250	1,850	37.0	28.0	32.0	83,250	63,000	59,200
UT	27	25	24	25	24	23	55.0	48.0	58.0	1,375	1,152	1,334
WA	400	440	470	395	430	465	46.0	54.0	45.0	18,170	23,220	20,925
WI	12	8	8	10	7	7	35.0	38.0	30.0	350	266	210
WY	30	20	14	26	17	10	30.0	36.0	39.0	780	612	390
US	20,030	19,117	15,617	19,689	18,323	15,148	35.1	29.9	34.9	691,680	548,155	528,709

¹ Area planted preceding fall.

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

Table 1-9.—Wheat: Support operations, United States, 1989–98

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>Million bushels</i>
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	263	8.5	2	94
1998/99	0.660	2.58	NA	.....	.....	.....	.....

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

Table 1-10.—Wheat: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per bushel			Value of production		
	1996	1997	1998 ¹	1996	1997	1998 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	4.50	3.20	2.60	15,840	12,096	9,282
AZ	5.00	4.70	3.85	79,320	40,745	72,936
AR	4.38	3.49	2.80	293,285	137,366	128,520
CA	4.98	3.82	3.05	256,887	162,430	150,300
CO	4.26	3.17	2.60	320,855	285,580	268,794
DE	4.33	3.07	2.40	17,900	16,360	8,935
FL	4.40	3.40	2.50	1,672	2,254	1,398
GA	4.38	3.19	2.60	69,379	49,126	26,832
ID	3.96	3.12	2.25	473,088	355,150	220,952
IL	4.12	3.14	2.45	172,216	208,779	141,120
IN	4.06	3.18	2.40	111,082	116,197	85,800
IA	4.10	3.16	2.75	5,740	3,318	3,520
KS	4.63	3.16	2.55	1,181,576	1,584,424	1,261,995
KY	4.33	3.24	2.20	121,630	73,483	54,450
LA	4.20	3.50	2.75	23,478	14,893	10,890
MD	4.31	3.15	2.45	50,875	44,982	26,338
MI	3.91	3.26	2.35	89,148	105,102	72,333
MN	4.25	3.52	3.20	453,024	272,592	256,172
MS	4.36	3.17	2.25	49,137	23,854	15,188
MO	4.12	3.09	2.40	200,850	180,209	138,000
MT	4.24	3.62	3.35	742,653	652,059	554,298
NE	4.29	3.20	2.60	315,315	224,960	215,280
NV	4.30	3.25	2.10	6,773	6,094	2,606
NJ	4.80	3.20	2.45	8,390	7,296	5,606
NM	5.10	3.25	2.65	20,757	32,419	21,068
NY	4.15	3.35	2.15	26,768	24,388	15,093
NC	4.20	3.20	2.50	109,032	109,344	69,700
ND	4.19	3.82	3.20	1,638,379	1,019,426	982,575
OH	3.94	3.16	2.30	204,368	216,997	170,752
OK	4.73	3.21	2.60	440,363	544,416	517,140
OR	4.20	3.55	2.60	273,165	213,705	149,702
PA	4.57	3.37	2.50	41,678	30,667	24,225
SC	4.35	3.20	2.50	52,853	48,000	19,200
SD	4.07	3.41	2.85	566,879	334,686	335,144
TN	4.40	3.30	2.65	73,568	53,460	40,201
TX	4.98	3.25	2.70	375,492	386,425	368,550
UT	4.40	3.32	2.70	33,106	29,015	23,893
VA	4.15	3.05	2.40	60,486	53,131	26,460
WA	4.14	3.39	2.60	755,680	560,608	401,933
WV	4.21	3.05	2.30	2,084	1,580	1,049
WI	3.95	3.00	2.10	23,464	25,593	16,034
WY	4.00	3.10	2.70	24,003	23,532	17,732
US	4.30	3.38	2.70	9,782,238	8,286,741	6,931,996

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

Table 1-11.—Wheat: Area, yield, and production in specified countries, 1995/96–1997/98¹

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	11,141	12,262	11,410	2.25	2.43	2.13	25,037	29,801	24,280
Mexico	929	809	810	3.73	3.84	4.32	3,468	3,107	3,500
United States	24,664	25,466	25,729	2.41	2.44	2.67	59,400	62,191	68,761
Total	36,734	38,537	37,949	2.39	2.47	2.54	87,905	95,099	96,541
South America:									
Argentina	4,500	7,100	5,700	1.91	2.24	2.6	8,600	15,900	14,800
Bolivia	125	130	190	0.96	0.77	0.79	120	100	150
Brazil	1,035	1,833	1,522	1.47	1.74	1.58	1,526	3,195	2,400
Chile	370	405	382	2.89	3.86	3.8	1,070	1,562	1,450
Colombia	31	22	19	2.06	2.05	1.58	64	45	30
Ecuador	32	30	25	0.56	0.53	0.6	18	16	15
Paraguay	175	230	225	1.2	2.28	1.78	210	525	400
Peru	97	115	110	1.24	1.2	1.09	120	138	120
Uruguay	183	250	225	2.3	2.52	2.22	420	630	500
Total	6,548	10,115	8,398	1.86	2.19	2.37	12,148	22,111	19,865
Europe:									
Austria	256	247	260	5.08	5.02	5.20	1,301	1,239	1,352
Belgium-Luxembourg	220	220	230	6.91	7.95	7.39	1,520	1,750	1,700
Denmark	620	681	689	7.23	6.99	7.21	4,481	4,757	4,965
Finland	101	112	125	3.75	4.10	3.71	379	459	464
France	4,750	5,024	5,108	6.50	7.15	6.61	30,862	35,940	33,764
Germany	2,579	2,594	2,720	6.89	7.29	7.29	17,763	18,922	19,827
Greece	770	660	710	2.27	1.89	2.25	1,750	1,250	1,600
Ireland	71	85	91	8.21	8.66	7.24	583	736	659
Italy	2,482	2,408	2,367	3.08	3.22	2.79	7,653	7,746	6,601
Netherlands	134	142	138	8.71	8.94	7.70	1,167	1,269	1,063
Portugal	259	238	260	1.39	1.71	1.25	360	406	325
Spain	1,800	2,022	2,050	1.39	2.92	2.26	2,500	5,900	4,643
Sweden	260	328	345	5.89	6.19	6.38	1,532	2,030	2,200
United Kingdom	1,859	1,976	2,036	7.70	8.15	7.39	14,310	16,102	15,050
Total EU	16,161	16,737	17,129	5.33	5.89	5.50	86,161	98,506	94,213
Norway	66	59	59	4.97	4.34	4.37	328	256	258
Switzerland	101	102	98	6.12	6.59	6.24	618	672	612
Total W. Europe	167	161	157	5.66	5.76	5.54	946	928	870
Albania	140	118	130	2.86	2.68	2.85	400	316	370
Bulgaria	1,041	900	1,100	3.03	2.00	2.95	3,150	1,800	3,250
Czech Republic	831	799	826	4.60	4.66	4.41	3,823	3,727	3,640
Hungary	1,080	1,193	1,250	4.26	3.27	4.22	4,600	3,900	5,270
Poland	2,407	2,480	2,555	3.60	3.46	3.21	8,668	8,579	8,193
Romania	2,420	1,800	2,350	3.18	1.76	3.06	7,700	3,165	7,186
Slovakia	437	415	410	4.43	4.13	4.76	1,938	1,713	1,950
Yugoslavia	1,350	1,020	1,240	3.48	2.87	3.67	4,700	2,925	4,550
Total E. Europe	9,706	8,725	9,861	3.60	2.99	3.49	34,979	26,125	34,409
Fmr. Soviet Union:									
Azerbaijan	325	460	500	2.00	1.74	1.85	650	800	925
Armenia	115	112	115	1.48	1.79	1.74	170	200	200
Byelarus	178	292	300	2.47	2.05	2.50	440	600	750
Estonia	38	47	50	2.03	2.15	2.00	77	101	100
Georgia	100	120	150	2.10	1.50	2.13	210	180	320
Kyrgyzstan	340	450	550	1.99	2.44	2.50	677	1,100	1,375
Kazakhstan	12,547	12,200	11,500	0.52	0.63	0.78	6,490	7,700	8,950
Latvia	110	125	150	2.23	2.86	2.63	245	358	395
Lithuania	260	348	374	2.46	2.69	2.81	640	936	1,050
Moldova	350	335	380	3.14	2.01	3.16	1,100	674	1,200
Russian Fed.	23,909	25,721	26,100	1.26	1.36	1.69	30,100	34,900	44,200
Tajikistan	185	350	350	0.86	1.29	1.29	160	450	450
Turkmenistan	530	450	470	1.32	1.00	1.36	700	450	640
Ukraine	5,479	5,892	6,500	2.97	2.30	2.83	16,273	13,550	18,400
Uzbekistan	1,300	1,350	1,450	1.81	2.00	2.14	2,350	2,700	3,100
Total	45,766	48,252	48,939	1.32	1.34	1.68	60,282	64,699	82,055

See footnotes at end of table.

Table 1-11.—Wheat: Area, yield, and production in specified countries, 1995/96–1997/98¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	5	5	5	0.80	0.80	0.80	4	4	4
Angola	4	4	4	1.50	1.50	1.50	6	6	6
Chad	10	10	10	0.70	1.50	1.00	7	15	10
Egypt	1,055	1,016	1,044	5.40	5.64	5.60	5,700	5,735	5,850
Ethiopia	1,100	1,450	1,450	1.50	1.38	1.17	1,650	2,000	1,700
Kenya	130	140	150	2.28	2.06	2.33	297	288	350
Lesotho	20	30	20	1.50	1.00	0.75	30	30	15
Libya	300	290	290	0.50	0.46	0.55	150	130	160
Morocco	3	3	3	1.00	1.00	1.00	3	3	3
Mozambique	30	30	30	1.67	1.17	1.00	50	35	30
Nigeria	18	50	58	3.72	5.50	4.31	67	275	250
South Africa, Rep. of	280	315	330	1.61	1.75	1.94	450	550	640
Sudan	750	1,100	800	0.71	1.82	1.13	530	2,000	900
Tanzania, United Rep. of	55	60	35	1.36	1.42	1.29	75	85	45
Tunisia	18	20	15	3.33	3.00	4.67	60	60	70
Zaire	1,400	1,400	1,000	1.14	1.57	0.95	1,600	2,200	950
Zambia	1,700	3,213	2,493	0.65	1.84	0.93	1,100	5,916	2,317
Zimbabwe	1,363	1,294	1,382	1.43	2.09	1.65	1,950	2,700	2,283
Total	8,241	10,420	9,119	1.67	2.11	1.71	13,729	22,032	15,583
Asia:									
Afghanistan	1,950	2,000	2,125	1.28	1.33	1.28	2,500	2,650	2,710
Bangladesh	639	701	708	1.95	1.95	2.05	1,245	1,370	1,454
Burma	140	140	140	1.07	1.07	1.07	150	150	150
Bhutan	13	13	13	1.54	1.54	1.54	20	20	20
China, Peoples Repu	28,860	29,610	30,057	3.54	3.73	4.10	102,215	110,570	123,300
Cyprus	10	10	10	1.00	1.00	1.00	10	10	10
India	25,600	25,011	25,934	2.56	2.48	2.67	65,470	62,097	69,275
Iran	7,600	7,600	7,400	1.49	1.45	1.35	11,300	11,000	10,000
Israel	100	80	70	2.42	1.85	1.43	242	148	100
Iraq	1,750	1,700	1,500	0.86	0.82	0.73	1,500	1,400	1,100
Japan	151	159	158	2.94	3.01	3.63	444	478	573
Jordan	81	46	62	1.02	1.24	0.97	83	57	60
Korea, Democratic Pe	75	70	70	1.00	1.07	1.07	75	75	75
Korea, Republic of	2	3	2	5.00	3.67	3.50	10	11	7
Lebanon	10	10	10	2.00	2.10	2.00	20	21	20
Mongolia	355	300	300	0.73	0.73	0.73	260	220	220
Nepal	550	600	600	1.45	1.33	1.33	800	800	800
Pakistan	8,170	8,376	8,110	2.08	2.02	2.05	17,002	16,907	16,650
Saudi Arabia	465	265	336	4.30	4.53	5.36	2,000	1,200	1,800
Syria	1,560	1,619	1,761	2.68	2.52	1.72	4,184	4,080	3,031
Taiwan	1	0	0	3.00	0	0	3	0	0
Turkey	8,550	8,450	8,500	1.81	1.89	1.88	15,500	16,000	16,000
Yemen	106	90	85	1.61	1.66	1.52	171	149	129
Total	86,738	86,853	87,951	2.60	2.64	2.81	225,204	229,413	247,484
Oceania:									
Australia	9,721	11,337	10,311	1.70	2.09	1.88	16,504	23,702	19,417
New Zealand	50	58	54	5.10	5.52	5.46	255	320	295
Total	9,771	11,395	10,365	1.72	2.11	1.90	16,759	24,022	19,712
World Total ...	219,832	231,195	229,868	2.45	2.52	2.66	538,113	582,935	610,732

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, 1988–97

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
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
1997	73,245	6,055	15,501	94,801

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) 694-5302.

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

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

¹ P.L. 480 Title I - Based on Program Summary as of October 19, 1998. The total does not reflect oceans freight costs. ² P.L. 480, Title II - Based on Approved Program Summary as of October 29, 1998. The total does not reflect freight costs.

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

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

Table 1-14.—Wheat and flour: ¹ International trade, 1995/96–1997/98 ²

Country	1995/96	1996/97	1997/98 ³
	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principal exporters:			
Argentina	4,416	10,051	9,400
Australia	12,120	18,212	15,500
Canada	17,065	18,166	21,322
India	1,944	866	0
Kazakstan	4,422	2,250	1,900
Syria	364	500	400
Turkey	1,178	1,000	1,500
European Union	13,250	17,834	15,500
Eastern Europe	6,098	1,551	2,250
Others	3,671	3,365	4,232
Subtotal	64,528	73,795	72,004
United States	33,681	27,039	28,090
Total	98,209	100,834	100,094
Principal importers:			
Algeria	3,780	3,628	4,800
Bangladesh	1,217	1,000	1,000
Bolivia	321	384	400
Brazil	5,517	5,565	5,700
Chile	783	433	450
China	12,527	2,691	1,900
Columbia	994	910	1,050
Cuba	726	950	900
Ecuador	391	442	405
Egypt	5,932	6,897	7,300
Ethiopia	527	260	330
Georgia	522	600	480
India	50	1,781	2,336
Indonesia	3,612	4,199	3,800
Iran	2,793	7,048	3,800
Iraq	511	1,135	2,550
Israel	920	893	1,150
Japan	6,101	6,264	6,200
Jordan	730	594	700
Korea, North	184	488	575
Korea, South	2,554	3,465	3,917
Lebanon	479	450	450
Libya	910	1,379	1,200
Malaysia	1,067	1,218	1,150
Mexico	1,581	1,940	2,200
Morocco	2,336	1,543	2,800
Nigeria	674	956	1,100
Pakistan	1,903	3,012	3,800
Peru	943	1,268	1,200
Philippines	1,964	2,141	2,000
Russia	5,242	2,548	2,100
South Africa	702	958	700
Sri Lanka	937	889	850
Taiwan	1,092	1,023	1,050
Thailand	787	694	650
Tunisia	825	946	1,400
Turkey	2,019	2,522	1,450
UAE	505	605	670
Ukraine	1,045	200	50
Uzbekistan	1,500	1,200	600
Venezuela	1,022	1,185	1,225
Vietnam	466	440	450
Yemen	2,026	2,292	2,500
European Union	2,545	2,442	3,450
Other Western Europe	400	548	555
Eastern Europe	2,475	5,139	1,565
United States	1,748	2,577	2,488
Subtotal	87,885	89,742	87,396
Other Countries	9,114	10,155	10,832
Unaccounted	1,210	937	1,866
Total	98,209	100,834	100,094

¹ Flour reported in terms of grain equivalent. ² Year beginning July 1. ³ Preliminary.

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

Table 1-15.—Wheat and flour: ¹ United States exports by country of destination, 1996/97 and 1997/98

Country of destination	Year ²		Country of destination	Year ²	
	1996/97	1997/98		1996/97	1997/98
	<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:			Other Asia	177	73
Mexico	1,404	1,257	Algeria	328	273
Central America	763	791	Morocco	469	468
Caribbean	632	634	South Africa	350	133
Brazil	754	0	Tunisia	175	505
Chile	0	52	Other Africa	3,925	6,311
Colombia	324	450	Other countries	2,613	3,170
Ecuador	235	217	World total	25,858	27,382
Peru	419	214	Wheat flour:		
Venezuela	571	567	Central America	1	0
Other Americas	159	131	Other Caribbean	171	196
Total Americas	5,266	4,313	Bolivia	43	46
Europe:			Colombia	2	2
Belgium and Luxembourg	109	167	Other Americas	178	109
Germany	0	0	Total Americas	395	353
Italy	477	564	Greece	0	1
Netherlands	56	39	Netherlands	0	7
Norway	62	44	Other Europe	134	110
Spain	63	254	Total Europe	134	117
Switzerland	27	26	Sri Lanka	0	0
United Kingdom	59	149	Japan	2	3
Other Europe	413	229	Jordan	0	0
Former Soviet Union	377	448	Philippines	0	0
Total Europe and Soviet Union	1,643	1,920	Other Asia	28	46
India	8	0	Total Asia	30	49
Israel	637	808	Egypt	8	0
Japan	3,040	3,166	Morocco	0	0
Korea, Rep. of	1,570	1,418	Other Africa	93	129
Pakistan	2,176	2,023	Total Africa	101	129
Philippines	1,747	1,488	Oceania	4	4
China	839	323	World total	863	652
Taiwan	894	990			

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, 1989-98

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>
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	1,457	345	25.9	8,936	3.70	33,118
1997	1,400	316	25.7	8,132	3.75	30,120
1998	1,571	418	28.2	11,795	2.49	29,879

¹ Area planted in preceding fall. ² Preliminary.

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

Table 1-17.—Rye: Supply and disappearance, United States, 1988–97

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			
	<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>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
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	6,036	14,336	41	14,377	898
1996	898	8,936	4,327	14,161	3,433	3,000	2,000	4,942	13,375	32	13,407	754
1997 ² ..	754	8,132	5,562	14,448	3,500	2,000	3,000	5,104	13,604	80	13,684	764

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, 1989–98

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		
	<i>Dollars</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
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)	.....	.....	.....	.....
1998/99	(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) 720-8838.

Table 1-19.—Rye: Area, yield, and production, by States, 1996–98

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els
CO	28	28	33	2	2	3	25	27	28	50	54	84
GA	300	300	250	70	65	50	26	22	21	1,820	1,430	1,050
IL	50	55	50	6	8	9	31	30	37	186	240	333
IN	20	15	15	2	2	2	22	32	38	44	64	76
KS	60	50	80	5	10	15	30	30	25	150	300	375
MD	25	25	25	2	3	3	25	25	32	50	75	96
MI	80	75	65	13	15	15	27	30	28	351	450	420
MN	25	20	30	20	16	27	24	25	31	480	400	837
NE	40	35	35	17	12	12	19	20	24	323	240	288
NJ	25	20	38	3	5	5	27	35	33	81	175	165
NY	49	40	50	8	7	15	28	33	35	224	231	525
NC	90	80	90	20	15	20	25	28	22	500	420	440
ND	20	22	65	16	19	61	33	27	36	528	513	2,196
OH	35	30	35	4	4	4	31	30	35	124	120	140
OK	200	200	300	65	60	70	15	18	22	975	1,080	1,540
PA	60	50	60	6	10	15	36	40	33	216	400	495
SC	40	35	30	20	10	20	26	25	20	520	250	400
SD	40	30	40	36	26	35	41	28	40	1,476	728	1,400
TX	120	130	120	10	10	20	19	33	20	190	330	400
VA	80	80	80	8	5	5	33	40	35	264	200	175
WI	70	80	80	12	12	12	32	36	30	384	432	360
US	1,457	1,400	1,571	345	316	418	25.9	25.7	28.2	8,936	8,132	11,795

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

Table 1-20.—Rye: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per bushel			Value of production		
	1996	1997	1998 ¹	1996	1997	1998 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CO	3.41	3.30	1.80	171	178	151
GA	4.40	5.00	3.40	8,008	7,150	3,570
IL	3.85	2.90	2.40	716	696	799
IN	3.90	2.90	2.30	172	186	175
KS	3.90	3.60	2.20	585	1,080	825
MD	1.95	2.45	2.30	98	184	221
MI	3.20	2.90	2.50	1,123	1,305	1,050
MN	3.10	3.10	1.75	1,488	1,240	1,465
NE	2.50	3.60	1.80	808	864	518
NJ	3.70	3.60	3.00	300	630	495
NY	3.00	2.10	2.00	672	485	1,050
NC	2.80	2.60	2.40	1,400	1,092	1,056
ND	3.13	3.12	2.20	1,653	1,601	4,831
OH	3.80	3.05	2.50	471	366	350
OK	4.50	4.50	3.50	4,388	4,860	5,390
PA	4.25	3.75	3.50	918	1,500	1,733
SC	3.95	3.00	2.50	2,054	750	1,000
SD	3.37	3.60	1.90	4,974	2,621	2,660
TX	4.40	3.90	3.90	836	1,287	1,560
VA	2.90	2.45	2.00	766	490	350
WI	3.95	3.60	1.75	1,517	1,555	630
US	3.70	3.75	2.49	33,118	30,120	29,879

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

Table 1-21.—Rye: Area, yield, and production in specified countries, 1995/96–1997/98¹

Continent and country	Area ²			Yield per hectare			Production		
	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada	162	162	162	1.91	1.91	1.98	310	309	320
United States	156	140	138	1.64	1.64	1.64	256	229	226
Total	318	302	300	1.78	1.78	1.82	566	538	546
South America:									
Argentina	75	39	60	1.07	0.92	1.03	80	36	62
Brazil	5	5	5	1.20	1.00	1.00	6	5	5
Chile	5	5	5	2.00	2.00	2.00	10	10	10
Total	85	49	70	1.13	1.04	1.10	96	51	77
Europe:									
Austria	77	51	57	4.08	2.96	3.63	314	151	207
Belgium-Luxembourg	3	3	3	3.33	4.00	4.00	10	12	12
Denmark	100	72	84	5.00	4.76	5.39	500	343	453
Finland	21	35	23	2.76	2.49	2.04	58	87	47
France	47	49	47	4.21	4.59	4.40	198	225	207
Germany	861	809	847	5.25	5.21	5.41	4,521	4,214	4,580
Greece	18	18	17	2.22	2.22	2.35	40	40	40
Italy	8	8	8	2.50	2.50	2.50	20	20	20
Netherlands	7	7	5	5.00	5.00	5.60	35	35	28
Portugal	62	60	60	0.58	0.85	0.67	36	51	40
Spain	160	170	152	1.09	1.74	1.48	174	295	225
Sweden	45	33	29	4.51	5.52	5.17	203	182	150
United Kingdom	5	5	5	5.00	5.00	5.00	25	25	25
Total EU	1,414	1,320	1,337	4.34	4.30	4.51	6,134	5,680	6,034
Norway	4	4	4	4.00	3.00	3.25	16	12	13
Switzerland	7	7	7	6.00	6.57	6.57	42	46	46
Total W. Europe	11	11	11	5.27	5.27	5.36	58	58	59
Albania	10	10	10	1.00	1.00	1.00	10	10	10
Bulgaria	14	15	15	1.43	1.07	1.67	20	16	25
Czech Republic	79	64	76	3.32	3.19	3.41	262	204	259
Hungary	80	70	70	2.13	1.43	2.00	170	100	140
Poland	2,452	2,415	2,298	2.56	2.34	2.31	6,287	5,652	5,300
Romania	20	25	23	2.25	1.92	2.17	45	48	50
Slovakia	31	29	30	2.87	2.45	3.00	89	71	90
Yugoslavia	30	31	30	1.67	1.94	2.00	50	60	60
Total E. Europe	2,716	2,659	2,552	2.55	2.32	2.33	6,933	6,161	5,934
Fmr. Soviet Union:									
Byelarus	1,000	1,050	890	2.00	1.81	2.36	2,000	1,900	2,100
Estonia	32	31	30	1.81	2.00	2.00	58	62	60
Georgia	1	1	1	2.00	2.00	2.00	2	2	2
Kazakhstan	180	140	70	0.78	0.64	0.86	140	90	60
Latvia	40	50	50	1.75	2.26	2.66	70	113	133
Lithuania	135	152	157	1.78	1.89	1.91	240	287	300
Moldova	1	1	1	2.00	2.00	2.00	2	2	2
Russian Fed.	3,233	4,129	4,000	1.27	1.43	1.88	4,100	5,900	7,500
Tajikistan	2	2	2	1.00	1.00	1.00	2	2	2
Ukraine	605	627	700	2.00	1.75	1.93	1,208	1,100	1,350
Uzbekistan	5	5	3	1.40	1.40	1.67	7	7	5
Total	5,234	6,188	5,904	1.50	1.53	1.95	7,829	9,465	11,514
Asia:									
Turkey	180	180	180	1.42	1.39	1.39	255	250	250
Oceania:									
Australia	35	35	35	0.57	0.57	0.57	20	20	20
World Total	9,993	10,744	10,389	2.19	2.07	2.35	21,891	22,223	24,434

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, 1989–98

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>
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	6.68	1,047,242
1991	2,884.0	2,781.0	5,731	159,367	7.58	1,213,330
1992	3,176.0	3,132.0	5,736	179,658	5.89	1,057,272
1993	2,920.0	2,833.0	5,510	156,110	7.98	1,246,875
1994	3,353.0	3,316.0	5,964	197,779	6.78	1,336,570
1995	3,121.0	3,093.0	5,621	173,871	9.15	1,587,236
1996	2,824.0	2,804.0	6,120	171,599	9.96	1,690,270
1997	3,125.0	3,103.0	5,897	182,992	9.70	1,756,136
1998	3,345.0	3,317.0	5,669	188,051	8.50	1,617,954

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

Table 1-23.—Rice, rough: Stocks on and off farms, United States, 1990–99

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>
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	33,470	21,205	1,136	90,873	66,846	19,855
1999-2000 ²	35,579	NA	NA	84,507	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, 1989–98

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>
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	1,967.0	822.0	15.0	5,777	6,922	7,127	113,629	56,901	1,069
1997	2,309.0	776.0	18.0	5,391	7,357	7,867	124,485	57,091	1,416
1998	2,608.0	671.0	38.0	5,430	6,625	5,195	141,624	44,453	1,974

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

Table 1-25.—Rice, rough, by length of grain: Stocks in all positions, United States, 1990–99

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
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	78,329	53,329	9,863	(3)	44,477	33,596	10,640	4,368	1,537	1,126	488	(3)
1999 ² ..	84,142	NA	NA	NA	34,086	NA	NA	NA	1,858	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, 1988–97¹

Year beginning August	Supply				Disappearance							Ending stocks July 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports ²	Total disappearance	
					Food	Brewers use	Seed	Residual	Total			
Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.	Mil-lion cwt.
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	25.0	171.6	10.0	206.6	80.0	15.4	4.0	1.6	101.0	78.4	179.4	27.2
1997 ⁴	27.2	183.0	9.2	219.4	82.0	15.4	4.3	4.8	106.5	85.2	191.7	27.7

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, 1996–98

State	Area harvested			Yield per acre			Production		
	1996	1997	1998 ¹	1996	1997	1998 ¹	1996	1997	1998 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	910.0	1,160.0	1,323.0	6,050	5,620	5,740	55,055	65,192	75,940
CA	5.0	9.0	9.0	7,200	7,700	5,970	360	693	537
LA	463.0	533.0	590.0	4,900	4,640	4,530	22,687	24,731	26,727
MS	208.0	238.0	268.0	6,000	5,800	5,800	12,480	13,804	15,544
MO	93.0	115.0	140.0	5,550	5,300	5,200	5,162	6,095	7,280
TX	288.0	254.0	278.0	6,210	5,500	5,610	17,885	13,970	15,596
US	1,967.0	2,309.0	2,608.0	5,777	5,391	5,430	113,629	124,485	141,624
	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	258.0	228.0	200.0	6,500	6,100	6,200	16,770	13,908	12,400
CA	482.0	491.0	433.0	7,500	8,260	6,990	36,150	40,557	30,267
LA	70.0	50.0	30.0	4,700	4,500	4,600	3,290	2,250	1,380
MO	2.0	2.0	3.0	5,550	5,300	5,200	111	106	156
TX	10.0	5.0	5.0	5,800	5,400	5,000	580	270	250
US	822.0	776.0	671.0	6,922	7,357	6,625	56,901	57,091	44,453
	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	4,000	120	120	80
CA	13.0	16.0	36.0	7,300	8,100	5,260	949	1,296	1,894
US	15.0	18.0	38.0	7,127	7,867	5,195	1,069	1,416	1,974

¹ Preliminary.

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

Table 1-28.—Rice: Area, yield, and production, by States, 1996–98

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1996	1997	1998 ¹	1996	1997	1998 ¹	1996	1997	1998 ¹	1996	1997	1998 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	1,180.0	1,400.0	1,540.0	1,170.0	1,390.0	1,525.0	6,150	5,700	5,800	71,945	79,220	88,420
CA	502.0	518.0	480.0	500.0	516.0	478.0	7,490	8,250	6,840	37,459	42,546	32,698
LA	535.0	585.0	625.0	533.0	583.0	620.0	4,870	4,630	4,530	25,977	26,981	28,107
MS	210.0	240.0	270.0	208.0	238.0	268.0	6,000	5,800	5,800	12,480	13,804	15,544
MO	97.0	122.0	145.0	95.0	117.0	143.0	5,550	5,300	5,200	5,273	6,201	7,436
TX	300.0	260.0	285.0	298.0	259.0	283.0	6,200	5,500	5,600	18,465	14,240	15,846
US ...	2,824.0	3,125.0	3,345.0	2,804.0	3,103.0	3,317.0	6,120	5,897	5,669	171,599	182,992	188,051

¹ Preliminary.

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

Table 1-29.—Rice: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per cwt.			Value of production		
	1996	1997	1998 ¹	1996	1997	1998 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	10.20	9.87	8.55	733,839	781,901	755,991
CA	7.91	7.95	8.15	296,301	338,241	266,489
LA	10.60	10.20	8.90	275,356	275,206	250,152
MS	10.50	10.40	8.75	131,040	143,562	136,010
MO	10.30	10.00	8.65	54,312	62,010	64,321
TX	10.80	10.90	9.15	199,422	155,216	144,991
US	9.96	9.70	8.50	1,690,270	1,756,136	1,617,954

¹ Preliminary.

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

Table 1-30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1990–99

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
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	3,443	3,871	3,228	37	1,248	1,080	728	313	46	35	100	25
1999 ² ..	2,980	NA	NA	NA	1,613	NA	NA	NA	30	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
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	642	711	524	273	27	27	33	.....	276	155	182	14
1999 ² ..	662	NA	NA	NA	29	NA	NA	.....	102	NA	NA	NA

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

Table 1-31.—Rice, milled: United States food aid under specified Government programs, 1992-98

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

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

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

Table 1-32.—Rice, rough: Support operations, United States, 1989–98

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
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	2.71	6.50	NA	67.6	37.8	0.0	0.0
1998/99	4.37	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	163	165	170	United Kingdom	56	91	92
Mexico	242	301	285	Total Europe ²	454	438	334
Bahamas	7	8	7	Indonesia	91	0	0
Dominican Republic	35	3	68	Iran	219	0	0
Haiti	191	163	167	Korea, Rep. of	0	8	18
Jamaica	74	66	16	Saudi Arabia	176	142	115
Netherlands Antilles	11	14	9	Total Asia, Middle East, and Oceania ²	1,019	706	668
Chile	9	0	0	Guinea	35	7	6
Total Western Hemisphere ²	1,117	1,113	1,047	Ivory Coast	79	36	35
European Union:				Liberia	17	12	7
Belgium-Luxembourg	44	48	39	Nigeria	0	0	0
France	8	9	14	Senegal	33	0	0
Germany, Fed. Rep. of	31	56	66	South Africa	116	158	107
Netherlands	105	96	56	Total Africa ²	353	314	325
Portugal	0	0	0	World total ²	3,073	2,624	2,292
Sweden	3	5	3				
Switzerland	84	86	43				

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, 1995/96–1997/98¹

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	39	58	59	3.28	2.72	2.8	128	158	165
Cuba	90	90	90	1.33	1.33	1.44	120	120	130
Dominican Rep.	82	94	76	3.29	3.28	3.29	270	308	250
El Salvador	11	11	13	3.00	3.18	3.08	33	35	40
Guatemala	13	14	12	1.77	1.71	2.08	23	24	25
Haiti	40	40	40	1.63	1.63	1.63	65	65	65
Honduras	15	16	12	2.67	2.25	2.50	40	36	30
Nicaragua	57	68	72	1.72	2.09	1.99	98	142	143
Panama	112	115	110	1.87	1.90	1.18	209	218	130
Trinidad and Tobago	10	10	10	2.00	2.00	2.00	20	20	20
Mexico	75	80	98	3.11	3.34	3.46	233	267	339
United States	1,252	1,133	1,228	4.5	4.81	4.76	5,631	5,451	5,843
Total	1,796	1,729	1,820	3.83	3.96	3.95	6,870	6,844	7,180
South America:									
Argentina	182	225	213	3.13	3.47	3.08	570	780	657
Bolivia	100	140	145	1.20	1.36	1.38	120	190	200
Brazil	3,880	3,570	3,200	1.76	1.81	1.81	6,826	6,463	5,800
Chile	34	35	35	2.59	2.57	2.57	88	90	90
Colombia	284	302	320	2.71	2.65	2.56	770	800	820
Ecuador	340	290	180	1.56	1.38	1.67	530	400	300
Guyana	135	132	139	2.21	2.24	2.45	299	296	341
Paraguay	90	90	85	1.28	1.28	1.06	115	115	90
Peru	210	225	240	3.45	3.68	3.75	724	828	900
Surinam	60	61	55	2.53	2.30	2.00	152	140	110
Uruguay	146	155	165	4.64	4.63	3.70	677	718	610
Venezuela	175	165	166	2.38	2.79	2.89	416	460	480
Total	5,636	5,390	4,943	2.00	2.09	2.10	11,287	11,280	10,398
Europe:									
France	24	23	20	2.96	3.43	3.40	71	79	68
Greece	10	10	10	5.00	5.00	5.00	50	50	50
Italy	239	238	233	3.28	3.48	3.87	785	828	902
Portugal	30	30	30	3.00	3.00	3.00	90	90	90
Spain	54	107	112	4.24	4.98	4.95	229	533	554
Total EU	357	408	405	3.43	3.87	4.11	1,225	1,580	1,664
Bulgaria	1	1	5	5.00	6.00	3.00	5	6	15
Hungary	5	5	5	2.00	2.00	2.00	10	10	10
Romania	6	6	6	2.50	2.50	1.17	15	15	7
Yugoslavia	7	10	10	2.14	1.50	1.50	15	15	15
Total E. Europe	19	22	26	2.37	2.09	1.81	45	46	47
Fmr. Soviet Union:									
Azerbaijan	2	1	1	1.00	1.00	1.00	2	1	1
Kyrgyzstan	5	5	5	1.00	1.00	1.00	5	5	5
Kazakhstan	95	88	85	1.26	1.25	2.00	120	110	170
Russian Fed.	171	165	160	1.75	2.36	1.34	300	389	215
Tajikistan	12	12	12	0.92	0.92	0.92	11	11	11
Turkmenistan	32	30	30	2.34	2.33	2.33	75	70	70
Ukraine	22	23	23	2.36	2.3	1.83	52	53	42
Uzbekistan	168	160	130	1.27	1.25	1.92	213	200	250
Total	507	484	446	1.53	1.73	1.71	778	839	764
Africa:									
Algeria	1	1	1	1.00	1.00	1.00	1	1	1
Angola	10	10	10	0.90	0.90	0.90	9	9	9
Benin	10	13	10	1.10	1.23	1.00	11	16	10
Burkina	35	60	50	1.57	1.25	1.30	55	75	65
Chad	50	55	60	0.90	1.00	1.00	45	55	60
Cameroon	40	40	40	1.63	1.63	1.63	65	65	65
Cote d'Ivoire	645	680	600	0.64	0.65	0.60	410	445	360

See footnotes at end of table.

Table 1-34.—Rice, milled: Area, yield, and production in specified countries, 1995/96–1997/98¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	560	591	630	4.64	5.06	5.70	2,600	2,989	3,594
Gambia, The	12	13	13	1.08	1.00	1.00	13	13	13
Ghana	100	105	109	1.32	1.24	1.08	132	130	118
Guinea	425	450	475	0.96	0.96	0.95	410	430	450
Guinea-Bissau	65	65	70	1.32	1.31	1.14	86	85	80
Kenya	15	15	15	2.00	2.00	2.00	30	30	30
Liberia	50	75	75	0.70	0.80	0.80	35	60	60
Madagascar	1,150	1,200	1,200	1.39	1.38	1.38	1,600	1,650	1,650
Malawi	35	40	40	0.94	1.13	1.13	33	45	45
Mali	280	300	350	1.07	1.03	1.14	300	310	400
Mauritania	20	20	20	1.85	1.85	1.75	37	37	35
Morocco	6	8	8	3.33	5.00	5.00	20	40	40
Mozambique	130	145	175	0.58	0.62	0.69	75	90	120
Niger	30	30	30	1.53	1.53	1.50	46	46	45
Nigeria	1,700	1,658	1,650	1.33	1.18	1.12	2,260	1,950	1,850
Senegal	77	73	73	1.30	1.33	1.38	100	97	101
Sierra Leone	230	290	275	0.74	0.81	0.91	170	235	250
Somalia	2	2	3	1.50	1.50	1.67	3	3	5
Sudan	7	7	7	1.00	1.00	1.00	7	7	7
Togo	40	55	50	0.63	0.73	0.60	25	40	30
Tanzania, United Rep. of ..	478	470	370	0.98	1.01	0.97	470	475	360
Swaziland	2	2	2	1.50	1.50	1.50	3	3	3
Zaire	550	590	500	0.46	0.44	0.42	255	260	210
Zambia	10	10	11	0.80	0.70	0.64	8	7	7
Total	6,765	7,073	6,922	1.38	1.37	1.46	9,314	9,698	10,073
Asia:									
Afghanistan	200	200	200	1.35	1.35	1.25	270	270	250
Bangladesh	9,941	10,414	10,615	1.78	1.81	1.75	17,687	18,882	18,625
Burma	5,666	5,600	5,490	1.74	1.61	1.62	9,860	9,000	8,900
Brunei	3	3	3	1.33	1.33	1.33	4	4	4
Cambodia	1,900	1,950	1,950	1.13	1.06	1.03	2,150	2,070	2,000
China Peoples Republic	683	607	652	2.44	2.45	2.58	1,664	1,487	1,682
Indonesia	11,570	11,137	10,680	2.87	2.88	2.83	33,215	32,084	30,225
India	42,300	43,283	43,086	1.88	1.88	1.91	79,620	81,312	82,119
Iran	570	600	600	2.72	2.67	2.67	1,550	1,600	1,600
Iraq	150	140	140	1.33	1.43	1.43	200	200	200
Japan	580	580	600	2.24	2.24	2.50	1,300	1,300	1,500
Korea, Democratic Pe	1,056	1,050	1,050	4.45	5.07	5.19	4,694	5,320	5,450
Korea, Republic of	560	550	550	1.52	1.55	1.55	850	850	850
Laos	663	660	655	2.01	1.97	1.83	1,330	1,300	1,200
Malaysia	1,450	1,500	1,500	1.52	1.63	1.60	2,200	2,450	2,400
Nepal	2,162	2,252	2,316	1.82	1.91	1.88	3,936	4,307	4,364
Pakistan	3,924	3,909	3,550	1.85	1.86	1.82	7,263	7,265	6,450
Philippines	9,032	9,175	9,270	1.59	1.49	1.62	14,388	13,662	15,050
Sri Lanka	363	348	364	4.18	4.08	4.03	1,517	1,420	1,468
Taiwan	7,124	7,040	7,374	2.48	2.56	2.56	17,683	18,003	18,871
Thailand	30,745	31,406	31,765	4.22	4.35	4.42	129,650	136,570	140,490
Turkey	2,118	1,977	1,953	4.62	4.76	4.67	9,781	9,413	9,123
Vietnam	70	90	90	3.21	2.89	2.50	225	260	225
Total	132,830	134,471	134,453	2.57	2.60	2.63	341,037	349,029	353,046
Oceania:									
Australia	149	166	142	4.56	5.98	6.73	680	992	955
World total	148,059	149,743	149,157	2.51	2.54	2.58	371,236	380,308	384,127

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, 1996–98 ²

Country	1996	1997	1998 ³
	1,000 metric tons	1,000 Metric tons	1,000 metric tons
Exports:			
Argentina	367	500	450
Australia	475	700	700
Burma	265	15	80
China	265	938	2,750
Guyana	233	285	150
India	3,556	1,959	3,500
Pakistan	1,677	1,982	2,000
Thailand	5,281	5,272	6,200
Uruguay	596	640	525
Vietnam	3,040	3,268	3,600
EU	301	367	350
Others	825	822	1,625
Subtotal	16,881	16,748	21,930
United States	2,624	2,292	3,000
Total	19,505	19,040	24,930
Imports:			
Bangladesh	655	45	1,500
Brazil	786	845	1,200
Canada	223	237	225
China	832	326	300
Colombia	200	192	250
Costa Rica	85	90	100
Cote d'Ivoire	300	470	500
Cuba	400	350	350
Ghana	185	150	125
Guinea	250	250	200
Haiti	175	175	175
Indonesia	1,233	800	5,700
Iran	1,294	875	600
Iraq	236	720	600
Jamaica &	66	75	75
Japan	445	567	650
Jordan	90	100	100
Korea, North	350	320	250
Korea, South	110	30	60
Malaysia	573	645	650
Mexico	307	288	275
Nigeria	500	800	800
Peru	437	215	200
Philippines	687	816	2,000
Russia	369	300	200
Saudi Arabia	786	659	700
Senegal	601	575	500
Singapore	312	325	350
South Africa	709	621	500
Sri Lanka	394	350	150
Syria	125	215	150
Turkey	348	250	250
UAE	85	85	90
Yemen	143	150	100
EU	895	834	700
Other Western Europe	34	50	37
Eastern Europe	135	231	145
United States	268	302	350
Subtotal	15,623	14,328	21,107
Other Countries	2,488	2,950	2,579
Unaccounted	1,394	1,762	1,244
World Total	19,505	19,040	24,930

¹ Includes milled, semi-milled, broken, and rough rice in terms of milled. ² Year beginning Jan 1. ³ Preliminary.

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

Table 1-36.—Food grains: Average price, selected markets and grades, 1993–98¹

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

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

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

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

Table 1-37.—Corn: Area, yield, production, and value, United States, 1989–98

Year	Area planted, all purposes	Corn for grain					Corn for silage		
		Area harvested	Yield per har- vested acre	Produc- tion	Marketing year aver- age price per bushel	Value of production	Area har- vested	Yield per har- vested acre	Produc- tion
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bush- els</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>
1989	72,322	64,783	116.3	7,531,953	2.36	17,896,810	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	17,864,204	6,140	13.2	81,216
1992	79,311	72,077	131.5	9,476,698	2.07	19,723,258	6,069	14.4	87,663
1993	73,239	62,933	100.7	6,337,730	2.50	16,031,861	6,823	11.9	81,131
1994	78,921	72,514	138.6	10,050,520	2.26	22,992,309	5,717	15.8	90,170
1995	71,479	65,210	113.5	7,400,051	3.24	24,117,503	5,321	14.7	78,181
1996	79,229	72,644	127.1	9,232,557	2.71	25,149,013	5,607	15.4	86,581
1997	79,537	72,671	126.7	9,206,832	2.43	22,351,507	6,054	16.1	97,192
1998 ¹	80,187	72,604	134.4	9,761,085	1.95	19,092,590	5,919	16.0	94,525

¹ Preliminary.

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

Table 1-38.—Corn: Stocks on and off farms, United States, 1990–99

Year beginning previous December	On farms				Off farms ²			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1 ¹	Dec. 1	Mar. 1	Jun. 1	Sep. 1 ¹
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1990	4,698,800	2,910,500	1,623,500	754,800	2,383,275	1,901,921	1,219,708	589,657
1991	4,874,000	3,064,500	1,755,000	691,200	2,066,289	1,724,474	1,236,957	830,045
1992	4,294,500	2,610,200	1,517,500	605,500	2,252,816	1,950,785	1,221,051	494,811
1993	5,736,900	3,630,000	2,216,500	1,070,700	2,169,463	2,048,215	1,492,943	1,042,281
1994	3,803,000	2,210,200	1,203,000	395,400	2,133,548	1,785,514	1,156,881	454,743
1995	5,417,500	3,502,000	2,072,000	740,900	2,662,980	2,089,693	1,342,896	816,940
1996	3,960,000	2,000,200	780,100	196,600	2,145,774	1,799,341	937,794	229,342
1997	4,800,000	2,870,000	1,501,000	475,000	2,102,974	1,624,128	995,550	408,161
1998	4,822,000	2,975,000	1,830,000	640,000	2,424,756	1,964,898	1,209,757	667,803
1999 ³	5,320,000	NA	NA	NA	2,730,220	NA	NA	NA

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

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

Table 1-39.—Corn: Supply and disappearance, United States, 1988–97

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>
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	6,338	21	8,472	4,684	1,609	6,293	1,328	7,621	805	45	850
1994	850	10,051	10	10,910	5,470	1,704	7,175	2,177	9,352	1,516	42	1,558
1995	1,558	7,400	16	8,974	4,708	1,612	6,320	2,228	8,548	396	30	426
1996	426	9,233	13	9,672	5,302	1,692	6,994	1,795	8,789	853	30	883
1997 ²	883	9,207	9	10,099	5,505	1,782	7,287	1,504	8,791	1,278	30	1,308

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, 1996–98

State	Area planted for all purposes			Corn for grain								
	1996	1997	1998 ¹	Area harvested			Yield per harvested acre			Production		
				1996	1997	1998 ¹	1996	1997	1998 ¹	1996	1997	1998 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 ...	300	280	300	270	250	200	82.0	87.0	63.0	22,140	21,750	12,600
AZ ...	55	60	50	40	40	30	175.0	165.0	175.0	7,000	6,600	5,250
AR ...	240	190	235	230	185	215	125.0	125.0	100.0	28,750	23,125	21,500
CA ...	500	585	620	220	265	260	160.0	170.0	160.0	35,200	45,050	41,600
CO ...	1,000	1,090	1,180	890	980	1,070	142.0	146.0	145.0	126,380	143,080	155,150
CT ...	37	38	35	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
DE ...	160	170	169	154	160	155	143.0	105.0	100.0	22,022	16,800	15,500
FL ...	140	120	160	112	75	55	88.0	80.0	62.0	9,856	6,000	3,410
GA ...	580	500	500	525	450	265	95.0	105.0	85.0	49,875	47,250	22,525
ID ...	110	125	145	40	43	52	135.0	155.0	150.0	5,400	6,665	7,800
IL ...	11,000	11,200	10,600	10,800	11,050	10,450	136.0	129.0	141.0	1,468,800	1,425,450	1,473,450
IN ...	5,600	5,900	5,800	5,450	5,750	5,550	123.0	122.0	137.0	670,350	701,500	760,350
IA ...	12,700	12,200	12,500	12,400	11,900	12,200	138.0	138.0	145.0	1,711,200	1,642,200	1,769,000
KS ...	2,500	2,750	3,000	2,350	2,600	2,850	152.0	143.0	147.0	357,200	371,800	418,950
KY ...	1,300	1,270	1,300	1,200	1,150	1,180	124.0	103.0	115.0	148,800	118,450	135,700
LA ...	535	430	700	523	417	540	125.0	117.0	81.0	65,375	48,789	43,740
ME ...	31	32	36	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
MD ...	530	510	470	465	410	400	139.0	90.0	109.0	64,635	36,900	43,600
MA ...	32	28	25	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
MI ...	2,600	2,500	2,300	2,250	2,180	2,050	94.0	117.0	111.0	211,500	255,060	227,550
MN ...	7,500	7,000	7,300	6,950	6,450	6,750	125.0	132.0	153.0	868,750	851,400	1,032,750
MS ...	630	460	550	595	433	500	102.0	107.0	86.0	60,690	46,331	43,000
MO ...	2,650	2,700	2,650	2,540	2,600	2,500	134.0	115.0	114.0	340,360	299,000	285,000
MT ...	55	60	60	15	14	18	137.0	135.0	115.0	2,055	1,890	2,070
NE ...	8,500	8,900	8,800	8,250	8,600	8,550	143.0	132.0	145.0	1,179,750	1,135,200	1,239,750
NH ...	17	17	15	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
NJ ...	110	118	120	94	94	98	126.0	108.0	92.0	11,844	10,152	9,016
NM ...	130	135	140	84	85	85	175.0	175.0	165.0	14,700	14,875	14,025
NY ...	1,150	1,170	1,130	630	600	580	103.0	110.0	114.0	64,890	66,000	66,120
NC ...	1,000	960	860	900	870	770	95.0	89.0	70.0	85,500	77,430	53,900
ND ...	750	780	970	600	590	825	91.0	99.0	107.0	54,600	58,410	88,275
OH ...	3,000	3,800	3,550	2,800	3,550	3,340	111.0	134.0	141.0	310,800	475,700	470,940
OK ...	200	200	270	170	170	220	145.0	138.0	130.0	24,650	23,460	28,600
OR ...	65	50	55	37	27	33	165.0	195.0	190.0	6,105	5,265	6,270
PA ...	1,450	1,550	1,550	1,070	1,010	1,050	119.0	98.0	111.0	127,330	98,980	116,550
RI ...	3	3	3	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
SC ...	400	350	350	380	325	275	79.0	95.0	40.0	30,020	30,875	11,000
SD ...	4,000	3,800	3,900	3,650	3,400	3,550	100.0	96.0	121.0	365,000	326,400	429,550
TN ...	740	700	700	650	620	620	116.0	102.0	96.0	75,400	63,240	59,520
TX ...	2,100	2,000	2,400	1,770	1,750	1,850	112.0	138.0	100.0	198,240	241,500	185,000
UT ...	62	62	62	20	20	24	139.0	147.0	141.0	2,780	2,940	3,384
VT ...	97	104	112	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
VA ...	450	490	500	310	325	300	126.0	93.0	84.0	39,060	30,225	25,200
WA ...	170	150	160	120	95	100	185.0	190.0	190.0	22,200	18,050	19,000
WV ...	65	65	60	40	36	34	105.0	95.0	80.0	4,200	3,420	2,720
WI ...	3,900	3,850	3,700	3,000	3,050	2,950	111.0	132.0	137.0	333,000	402,600	404,150
WY ...	85	85	95	50	52	60	123.0	135.0	127.0	6,150	7,020	7,620
US ...	79,229	79,537	80,187	72,644	72,671	72,604	127.1	126.7	134.4	9,232,557	9,206,832	9,761,085

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

Table 1-41.—Corn: Utilization for silage, by States, 1996–98

State	Silage								
	Area harvested			Yield per acre			Production		
	1996	1997	1998 ¹	1996	1997	1998 ¹	1996	1997	1998 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	15	20	35	11.0	14.0	6.0	165	280	210
AZ	15	18	19	27.0	25.5	26.5	405	459	504
AR	5	4	5	12.0	15.0	12.0	60	60	60
CA	275	315	355	25.0	26.0	25.0	6,875	8,190	8,875
CO	90	100	100	21.5	22.5	24.0	1,935	2,250	2,400
CT	32	33	30	18.5	19.0	17.0	592	627	510
DE	5	9	10	17.0	13.0	14.0	85	117	140
FL	19	30	35	17.0	16.5	13.0	323	495	455
GA	45	40	55	14.0	17.0	10.0	630	680	550
ID	68	80	90	24.0	25.5	25.5	1,632	2,040	2,295
IL	130	120	110	14.0	16.5	15.0	1,820	1,980	1,650
IN	100	110	100	18.0	16.0	17.0	1,800	1,760	1,700
IA	250	260	250	18.0	18.0	16.5	4,500	4,680	4,125
KS	130	125	120	15.0	18.0	19.0	1,950	2,250	2,280
KY	90	110	110	16.5	14.0	15.5	1,485	1,540	1,705
LA	10	10	15	16.0	15.0	14.0	160	150	210
ME	24	28	32	14.5	16.0	16.5	348	448	528
MD	60	95	65	18.0	10.0	13.0	1,080	950	845
MA	27	23	22	19.5	20.0	19.5	527	460	429
MI	310	300	240	12.5	14.5	12.5	3,875	4,350	3,000
MN	475	450	475	13.0	15.0	16.0	6,175	6,750	7,600
MS	30	25	30	10.0	15.0	8.0	300	375	240
MO	70	80	80	15.0	14.0	12.5	1,050	1,120	1,000
MT	39	45	41	21.0	21.0	21.0	819	945	861
NE	175	225	190	16.5	15.5	17.0	2,888	3,488	3,230
NH	15	16	14	17.0	19.5	18.5	255	312	259
NJ	14	22	21	16.0	15.0	12.0	224	330	252
NM	44	49	50	21.0	21.0	23.0	924	1,029	1,150
NY	510	560	550	15.5	15.0	16.0	7,905	8,400	8,800
NC	80	85	75	13.0	14.0	9.0	1,040	1,190	675
ND	140	170	125	8.0	7.0	8.5	1,120	1,190	1,063
OH	160	190	180	14.5	18.0	17.0	2,320	3,420	3,060
OK	26	25	34	20.0	17.0	15.0	520	425	510
OR	26	22	21	27.0	26.0	23.0	702	572	483
PA	370	515	490	17.5	14.0	16.0	6,475	7,210	7,840
RI	3	3	3	16.0	16.5	18.0	48	50	54
SC	15	20	25	12.5	15.0	7.0	188	300	175
SD	320	360	320	8.7	10.5	10.5	2,784	3,780	3,360
TN	75	70	65	16.0	15.0	14.0	1,200	1,050	910
TX	100	110	150	16.0	23.5	19.0	1,600	2,585	2,850
UT	40	41	37	21.0	23.0	21.0	840	943	777
VT	82	96	107	16.5	18.0	17.0	1,353	1,728	1,819
VA	130	160	190	16.5	13.0	10.5	2,145	2,080	1,995
WA	50	55	60	26.0	28.0	25.0	1,300	1,540	1,500
WV	20	28	24	16.0	14.0	15.0	320	392	360
WI	865	770	730	13.0	15.0	14.5	11,245	11,550	10,585
WY	33	32	34	18.0	21.0	19.0	594	672	646
US	5,607	6,054	5,919	15.4	16.1	16.0	86,581	97,192	94,525

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

Table 1-42.—Corn for grain: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per bushel			Value of production		
	1996	1997	1998 ¹	1996	1997	1998 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	3.45	2.82	2.20	76,383	61,335	27,720
AZ	3.65	3.20	2.75	25,550	21,120	14,438
AR	2.65	2.51	1.75	76,188	58,044	37,625
CA	3.37	3.05	2.55	118,624	137,403	106,080
CO	2.76	2.59	2.10	348,809	370,577	325,815
DE	3.10	2.95	2.40	68,268	49,560	37,200
FL	3.80	2.90	2.30	37,453	17,400	7,843
GA	3.58	2.90	2.40	178,553	137,025	54,060
ID	3.25	3.03	2.50	17,550	20,195	19,500
IL	2.79	2.53	2.05	4,097,952	3,606,389	3,020,573
IN	2.78	2.53	2.05	1,863,573	1,774,795	1,558,718
IA	2.60	2.33	1.90	4,449,120	3,826,326	3,361,100
KS	2.83	2.47	1.95	1,010,876	918,346	816,953
KY	3.00	2.62	2.10	446,400	310,339	284,970
LA	3.50	2.70	2.05	228,813	131,730	89,667
MD	3.05	2.98	2.35	197,137	109,962	102,460
MI	2.66	2.40	1.90	562,590	612,144	432,345
MN	2.47	2.15	1.75	2,145,813	1,830,510	1,807,313
MS	3.30	2.65	2.05	200,277	122,777	88,150
MO	2.77	2.45	1.90	942,797	732,550	541,500
MT	2.60	2.40	1.50	5,343	4,536	3,105
NE	2.64	2.32	1.95	3,114,540	2,633,664	2,417,513
NJ	3.00	2.80	2.20	35,532	28,426	19,835
NM	3.10	2.85	2.35	45,570	42,394	32,959
NY	2.98	2.62	2.15	193,372	172,920	142,158
NC	3.43	2.83	2.25	293,265	219,127	121,275
ND	2.43	2.12	1.65	132,678	123,829	145,654
OH	2.75	2.48	2.00	854,700	1,179,736	941,880
OK	2.90	2.66	2.15	71,485	62,404	61,490
OR	3.19	3.03	2.40	19,475	15,953	15,048
PA	2.99	2.92	2.45	380,717	289,022	285,548
SC	3.55	2.79	2.30	106,571	86,141	25,300
SD	2.31	2.15	1.60	843,150	701,760	687,280
TN	2.90	2.65	2.05	218,660	167,586	122,016
TX	3.19	2.74	2.35	632,386	661,710	434,750
UT	3.80	3.05	2.40	10,564	8,967	8,122
VA	3.20	2.69	2.20	124,992	81,305	55,440
WA	3.15	3.00	2.65	69,930	54,150	50,350
WV	3.11	2.80	2.10	13,062	9,576	5,712
WI	2.62	2.34	1.90	872,460	942,084	767,885
WY	2.90	2.52	2.00	17,835	17,690	15,240
US	2.71	2.43	1.95	25,149,013	22,351,507	19,092,590

¹ Preliminary.

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

Table 1-43.—Corn: Area, yield, and production in specified countries, 1995/96–1997/98¹

Continent and country	Area ²			Yield per hectare			Production		
	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 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	1,003	1,058	1,011	7.25	6.98	6.93	7,271	7,380	7,006
Costa Rica	13	18	13	1.85	1.83	1.92	24	33	25
Cuba	85	85	75	0.53	0.65	0.93	45	55	70
Dominican Republic	20	25	25	1.30	1.28	1.24	26	32	31
El Salvador	300	281	290	2.13	2.21	2.17	640	621	630
Guatemala	820	825	830	1.62	1.64	1.42	1,330	1,350	1,181
Haiti	170	200	225	1.00	1.00	0.89	170	200	200
Honduras	406	407	425	1.62	1.33	1.41	656	540	600
Jamaica and Dep	4	4	4	1.25	1.25	1.25	5	5	5
Mexico	7,800	8,234	7,400	2.28	2.30	2.30	17,780	18,922	17,000
Nicaragua	225	283	259	1.17	1.14	1.13	263	322	292
Panama	81	80	70	1.28	1.30	1.29	104	104	90
Trinidad and Tobago	3	3	3	1.67	1.67	1.67	5	5	5
United States	26,303	29,602	29,834	7.12	7.97	7.97	187,305	236,064	237,897
Total	37,233	41,105	40,464	5.79	6.46	6.55	215,624	265,633	265,032

See footnotes at end of table.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1995/96–1997/98¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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
South America:									
Argentina	2,700	3,400	3,175	4.11	4.56	6.10	11,100	15,500	19,360
Bolivia	270	290	300	1.94	2.10	2.25	525	610	675
Brazil	13,767	13,877	11,600	2.36	2.61	2.67	32,480	36,160	31,000
Chile	110	110	105	9.09	7.14	9.05	1,000	785	950
Colombia	580	590	500	1.66	1.66	1.50	960	980	750
Ecuador	325	245	300	1.29	1.24	1.42	420	305	425
Guyana	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay	300	375	375	2.00	2.81	2.67	600	1,055	1,000
Peru	365	381	390	1.83	1.94	1.92	667	738	750
Uruguay	55	80	80	2.09	2.25	1.88	115	180	150
Venezuela	460	415	366	2.61	2.82	2.70	1,200	1,172	988
Total	18,937	19,768	17,196	2.59	2.91	3.26	49,072	57,490	56,053
Europe:									
Austria	173	201	188	8.51	8.63	9.80	1,473	1,735	1,842
Belgium-Luxembourg	25	25	25	8.76	8.80	8.80	219	220	220
France	1,623	1,716	1,841	7.64	8.41	9.10	12,394	14,432	16,754
Germany	325	372	369	7.37	7.83	8.64	2,395	2,913	3,188
Greece	103	125	115	9.22	10.48	10.00	950	1,310	1,150
Italy	942	1,023	1,035	8.97	9.33	9.79	8,454	9,547	10,137
Netherlands	9	11	8	7.00	7.09	7.50	63	78	60
Portugal	178	184	210	4.30	4.61	3.88	766	849	815
Spain	351	435	486	7.12	8.51	9.11	2,500	3,700	4,426
Sweden	3	3	3	3.33	3.33	3.33	10	10	10
Total EU	3,732	4,095	4,280	7.83	8.50	9.02	29,224	34,794	38,602
Switzerland	26	24	25	8.65	8.96	8.80	225	215	220
Eastern Europe:									
Albania	60	60	63	3.33	3.33	3.49	200	200	220
Bulgaria	430	410	450	3.26	2.37	3.33	1,400	970	1,500
Czech Republic	26	33	41	4.35	5.12	4.95	113	169	203
Hungary	1,040	1,053	1,000	4.42	5.60	6.40	4,600	5,900	6,400
Poland	48	69	77	5.00	5.07	5.40	240	350	416
Romania	3,122	3,290	3,030	3.18	2.92	4.18	9,923	9,610	12,680
Slovakia	122	130	137	4.89	5.77	5.59	597	750	766
Yugoslavia	2,000	2,100	2,075	3.85	3.62	4.67	7,700	7,600	9,700
Total Eastern Europe	6,848	7,145	6,873	3.62	3.58	4.64	24,773	25,549	31,885
Fmr. Soviet Union:									
Azerbaijan	15	15	15	1.33	1.33	1.33	20	20	20
Georgia	115	134	230	2.09	2.24	1.96	240	300	450
Kyrgyzstan	50	50	40	2.40	3.60	4.25	120	180	170
Kazakhstan	93	110	65	1.70	1.09	1.54	158	120	100
Moldova	300	339	360	3.67	2.92	4.17	1,100	989	1,500
Russian Fed.	643	619	850	2.64	1.78	3.18	1,700	1,100	2,700
Tajikistan	8	8	8	3.13	3.13	3.13	25	25	25
Turkmenistan	50	20	20	3.10	3.00	2.50	155	60	50
Ukraine	1,161	671	1,650	2.92	2.74	3.21	3,392	1,840	5,300
Uzbekistan	30	30	40	3.33	3.33	3.50	100	100	140
Total	2,465	1,996	3,278	2.84	2.37	3.19	7,010	4,734	10,455
Africa:									
Algeria	1	1	1	2.00	2.00	2.00	2	2	2
Angola	700	725	725	0.57	0.55	0.51	400	400	370
Benin	530	450	450	1.13	1.11	1.00	600	500	450
Botswana	20	30	30	0.25	0.50	0.33	5	15	10
Burkina Faso	160	230	170	1.31	1.30	1.29	210	300	220
Burundi	120	110	115	1.25	1.32	1.39	150	145	160
Cameroon	400	400	375	1.63	1.88	1.60	650	750	600
Cape Verde	15	15	15	0.67	0.67	0.67	10	10	10
Central African Republic	80	90	80	0.88	0.83	0.75	70	75	60
Chad	70	85	80	0.86	0.88	1.00	60	75	80
Congo (Brazzaville)	30	30	30	0.83	0.83	0.67	25	25	20
Cote d'Ivoire	685	690	700	0.87	0.90	0.91	595	620	640
Egypt	902	876	837	5.93	6.65	7.18	5,353	5,825	6,010

See footnotes at end of table.

Table 1-43.—Corn: Area, yield, and production in specified countries, 1995/96–1997/98¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 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	1,500	1,950	1,850	1.87	1.64	1.19	2,800	3,200	2,200
Gambia, The	15	15	10	1.33	1.33	1.00	20	20	10
Ghana	670	665	660	1.54	1.50	1.52	1,035	1,000	1,000
Guinea	90	85	85	1.00	0.94	0.94	90	80	80
Guinea-Bissau	15	15	15	1.00	1.00	1.00	15	15	15
Kenya	1,750	1,500	1,575	1.49	1.44	1.43	2,600	2,160	2,250
Lesotho	150	145	100	1.33	1.03	1.00	200	150	100
Madagascar	180	190	190	1.00	0.95	0.95	180	180	180
Malawi	1,250	1,250	1,250	1.44	0.98	1.40	1,800	1,225	1,750
Mali	235	205	200	1.23	1.29	1.50	290	265	300
Mauritania	3	3	3	1.00	1.00	1.00	3	3	3
Morocco	390	245	341	0.13	0.86	1.10	50	210	375
Mozambique	1,000	1,100	1,100	0.95	0.95	1.00	950	1,050	1,100
Nigeria	3,550	3,500	3,450	1.83	1.43	1.42	6,500	5,000	4,900
Rwanda	50	60	70	1.50	1.17	1.14	75	70	80
Senegal	100	85	60	1.05	1.06	1.00	105	90	60
Sierra Leone	8	10	10	1.00	1.00	1.00	8	10	10
Somalia	150	200	250	1.00	0.80	0.60	150	160	150
South Africa, Rep. of	3,300	3,360	2,956	3.09	2.68	2.55	10,200	9,012	7,550
Swaziland	75	60	60	1.80	1.67	1.67	135	100	100
Tanzania, United Rep.	1,655	1,650	1,625	1.55	1.61	1.29	2,570	2,650	2,100
Togo	260	380	380	0.87	1.05	1.18	225	400	450
Tunisia	1	1	1	1.00	1.00	1.00	1	1	1
Uganda	594	590	500	1.60	1.53	1.50	950	900	750
Zaire	1,400	1,350	1,300	0.79	0.81	0.77	1,100	1,100	1,000
Zambia	675	600	450	2.07	1.67	1.44	1,400	1,000	650
Zimbabwe	1,550	1,640	1,225	1.68	1.10	1.22	2,600	1,800	1,500
Total	24,329	24,586	23,324	1.82	1.65	1.60	44,182	40,593	37,296
Asia:									
Afghanistan	300	300	300	1.67	1.67	1.50	500	500	450
Burma	160	160	160	1.69	1.56	1.56	270	250	250
Bhutan	50	50	50	1.70	1.70	1.70	85	85	85
Cambodia	50	50	50	1.30	1.30	1.30	65	65	65
China, People's Republic of	22,767	24,498	23,775	4.92	5.20	4.39	112,000	127,470	104,300
Indonesia	3,531	3,200	2,900	1.70	1.86	1.97	6,000	5,950	5,700
India	5,979	6,248	9,800	1.59	1.70	1.13	9,530	10,612	11,088
Iran	50	50	75	1.40	1.40	1.33	70	70	100
Iraq	140	140	140	2.14	1.79	1.79	300	250	250
Japan	1	1	1	2.00	1.00	1.00	2	1	1
Jordan	1	1	1	1.00	1.00	1.00	1	1	1
Korea, Democratic People's Rep	600	600	600	3.33	3.00	2.50	2,000	1,800	1,500
Korea, Rep. of	18	18	21	3.89	4.00	4.14	70	72	87
Lebanon	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia	23	25	25	1.87	1.80	1.92	43	45	48
Nepal	725	770	770	1.66	1.62	1.69	1,200	1,250	1,300
Pakistan	881	872	882	1.46	1.44	1.47	1,283	1,260	1,300
Philippines	2,760	2,718	2,400	1.57	1.55	1.48	4,324	4,215	3,550
Saudi Arabia	3	3	3	1.33	1.33	1.33	4	4	4
Syria	69	73	74	2.90	3.42	3.65	200	250	270
Taiwan	56	46	34	4.88	4.76	4.79	273	219	163
Thailand	1,140	1,200	1,080	3.25	3.25	3.43	3,700	3,900	3,700
Turkey	515	550	600	3.50	3.64	3.50	1,800	2,000	2,100
Vietnam	557	615	620	2.13	2.44	2.42	1,184	1,500	1,500
Yemen	40	35	32	1.75	1.43	1.63	70	50	52
Total	40,418	42,165	44,455	3.52	3.77	3.04	142,416	159,061	135,306
Oceania:									
Australia	63	68	63	5.03	5.46	5.40	317	371	340
New Zealand	18	15	15	8.89	9.67	9.67	160	145	145
Total	81	83	78	5.89	6.22	6.22	477	516	485
World total	134,069	140,967	139,973	3.83	4.18	4.11	513,003	588,585	575,334

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

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

Table 1-44.—Corn: International trade, 1996–98¹

Country	1995/96	1996/97	1997/98 ²
	1,000 metric tons	1,000 Metric tons	1,000 metric tons
Exports:			
Argentina	6,952	10,203	13,000
China	168	3,892	6,000
Hungary	122	250	1,250
Romania	239	534	700
South Africa	1,541	2,200	1,500
Thailand	84	21	50
EU	344	258	400
Others	2,775	2,232	2,685
Subtotal	12,225	19,590	25,585
United States	52,681	46,579	38,000
Total	64,906	66,169	63,585
Imports:			
Algeria	586	935	900
Belarus	70	50	50
Brazil	160	383	1,200
Canada	735	879	1,500
Chile	449	783	900
China	1,476	75	250
Colombia	1,495	1,518	1,650
Costa Rica	340	354	370
Dominican Republic	649	733	700
Egypt	2,225	3,123	3,000
Guatemala	192	323	325
Indonesia	774	893	600
Iran	1,307	1,550	1,000
Israel	629	714	300
Japan	15,976	15,963	16,200
Jordan	269	442	500
Korea, North	76	503	200
Korea, South	8,963	8,336	7,500
Malaysia	2,444	2,500	2,100
Mexico	6,379	3,141	4,500
Peru	822	820	1,050
Philippines	515	446	500
Poland	352	578	475
Russia	67	192	200
Saudi Arabia	923	1,272	1,300
South Africa	402	313	150
Taiwan	5,733	5,741	4,500
Thailand	260	231	150
Tunisia	303	394	300
Turkey	752	864	600
Uzbekistan	150	150	150
Venezuela	1,205	1,234	1,150
Zimbabwe	95	70	100
EU	2,966	2,595	1,900
Other Western Europe	350	348	330
United States	399	285	250
Subtotal	60,488	58,731	56,850
Other Countries	3,320	5,355	4,648
Unaccounted	1,098	2,083	2,087
World Total	64,906	66,169	63,585

¹ Year beginning Oct 1. ² Preliminary.

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

Table 1-45.—Corn: Support operations, United States, 1989–98

Marketing year beginning September 1	Income support pay- ment 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>
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	1,132	12.1	2	4
1998/99	0.374	1.89	NA	.....	.....	.....	.....

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

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

Table 1-46.—Corn: United States exports, specified by country of destination, 1996/97–1997/98¹

Country of destination	Year		Country of destination	Year	
	1996/97	1997/98		1996/97	1997/98
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Corn:			Other E. Europe	55	19
Canada	879	1,397	Total E. Europe and Former Soviet Union	554	20
Mexico	3,141	4,373	Korea, Rep. of	5,404	3,364
Venezuela	730	645	Taiwan	5,609	3,488
Peru	144	370	Japan	15,425	13,957
Brazil	12	1	Other Asia	1,359	688
Chile	396	104	Total Asia	27,797	21,497
Other Americas	3,735	3,070	Egypt	2,364	1,951
Total Americas	9,037	9,960	Nigeria	0	4
European Union	1,669	166	Other Africa	1,719	1,656
Other Western Europe	209	27	Total Africa	4,083	3,607
Total W. Europe	1,878	193	Other countries	3,231	2,419
Poland	293	0	World total	46,579	37,697
Former Soviet Union	206	1			

¹ Year beginning Oct. 1.

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

Table 1-47.—Oats: Area, yield, production, and value, United States, 1989–98

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
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	206,731	1.36	291,014
1994	6,637	4,008	57.1	228,844	1.22	299,810
1995	6,225	2,952	54.6	161,094	1.67	280,547
1996	4,668	2,655	57.7	153,245	1.96	313,920
1997	5,068	2,813	59.5	167,246	1.60	273,284
1998 ²	4,902	2,765	60.4	167,122	1.10	188,295

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

Table 1-48.—Oats: Stocks on and off farms, United States, 1988–97

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 ²	234,700	194,700	138,600	92,400	117,009	99,398	90,659	78,831
1991	173,600	148,100	98,150	61,000	110,487	96,508	76,735	66,721
1992	199,900	161,200	110,250	66,130	94,717	81,292	64,875	47,063
1993	161,000	124,200	85,050	53,940	58,004	69,517	61,502	51,583
1994	144,300	113,400	78,400	46,750	75,551	78,664	70,575	53,848
1995	107,200	87,200	57,350	32,600	72,967	65,804	55,268	33,708
1996	93,400	80,650	56,200	33,100	38,459	45,218	39,330	33,576
1997	105,950	83,200	58,800	34,500	48,972	61,051	52,418	39,498
1998 ³	110,300	81,500	NA	NA	51,515	61,841	NA	NA

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

Table 1-49.—Oats: Supply and disappearance, United States, 1988–97

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
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	161	81	342	182	92	274	2	276	66	0	66
1996	66	153	97	317	153	95	248	3	250	67	0	67
1997 ³ ..	67	167	98	332	161	95	256	2	258	74	0	74

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

Table 1-50.—Oats: Support operations, United States, 1989–98

Marketing Year beginning June 1	Income support pay- ment 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
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	2.4	1.4	0.0	0.0
1998/99	0.032	1.11	NA	.....	.....	.....	.....

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

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

Table 1-51.—Oats: Area, yield, and production, by States, 1996–98

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1996	1997	1998 ²	1996	1997	1998 ²	1996	1997	1998 ²	1996	1997	1998 ²
	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	35	35	35	15	20	17	45.0	48.0	48.0	675	960	816
AR	17	12	10	15	10	9	72.0	75.0	80.0	1,080	750	720
CA	300	350	320	30	30	30	75.0	80.0	75.0	2,250	2,400	2,250
CO	80	70	90	35	25	25	52.0	68.0	70.0	1,820	1,700	1,750
GA	60	65	50	25	30	25	64.0	56.0	53.0	1,600	1,680	1,325
ID	60	80	80	25	21	30	75.0	75.0	75.0	1,875	1,575	2,250
IL	90	100	85	70	75	70	66.0	74.0	56.0	4,620	5,550	3,920
IN	40	60	50	25	30	30	64.0	60.0	50.0	1,600	1,800	1,500
IA	285	330	280	190	230	185	68.0	73.0	59.0	12,920	16,790	10,915
KS	130	130	110	80	80	60	52.0	59.0	45.0	4,160	4,720	2,700
ME	31	26	25	28	23	24	75.0	73.0	73.0	2,100	1,679	1,752
MD	9	9	9	7	7	7	62.0	55.0	50.0	434	385	350
MI	70	95	120	60	80	105	60.0	61.0	46.0	3,600	4,880	4,830
MN	320	400	350	270	300	310	56.0	58.0	63.0	15,120	17,400	19,530
MO	52	40	22	29	25	13	53.0	61.0	47.0	1,537	1,525	611
MT	110	140	140	50	70	60	40.0	55.0	54.0	2,000	3,850	3,240
NE	165	160	170	105	90	95	71.0	65.0	56.0	7,455	5,850	5,320
NY	85	100	115	70	90	105	55.0	65.0	62.0	3,850	5,850	6,510
NC	50	55	40	20	25	20	60.0	64.0	58.0	1,200	1,600	1,160
ND	530	700	730	380	425	420	50.0	44.0	62.0	19,000	18,700	26,040
OH	120	120	120	90	90	100	57.0	74.0	65.0	5,130	6,660	6,500
OK	50	75	60	18	40	25	36.0	44.0	41.0	648	1,760	1,025
OR	80	80	65	35	31	35	97.0	92.0	110.0	3,395	2,852	3,850
PA	160	185	190	135	155	160	56.0	58.0	53.0	7,560	8,990	8,480
SC	50	50	40	30	25	25	54.0	56.0	45.0	1,620	1,400	1,125
SD	450	380	420	360	270	300	60.0	55.0	67.0	21,600	14,850	20,100
TX	650	550	600	100	130	130	34.0	52.0	53.0	3,400	6,760	6,890
UT	45	50	50	9	10	9	70.0	72.0	70.0	630	720	630
WA	28	35	30	14	17	15	80.0	80.0	75.0	1,120	1,360	1,125
WV	6	6	6	3	4	4	50.0	50.0	50.0	150	200	200
WI	430	510	430	300	320	300	58.0	63.0	61.0	17,400	20,160	18,300
WY	50	70	60	32	35	22	53.0	54.0	64.0	1,696	1,890	1,408
US	4,638	5,068	4,902	2,655	2,813	2,765	57.7	59.5	60.4	153,245	167,246	167,122

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

Table 1-52.—Oats: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per bushel			Value of production		
	1996	1997	1998 ¹	1996	1997	1998 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL	2.50	1.70	2.05	1,688	1,632	1,673
AR	2.84	2.15	1.45	3,067	1,613	1,044
CA	2.22	1.98	1.40	4,995	4,752	3,150
CO	2.24	2.05	1.70	4,077	3,485	2,975
GA	2.53	1.87	1.50	4,048	3,142	1,988
ID	2.00	1.64	1.15	3,750	2,583	2,588
IL	2.27	1.71	1.25	10,487	9,491	4,900
IN	2.51	1.94	1.70	4,016	3,492	2,550
IA	2.16	1.63	1.15	27,994	27,368	12,552
KS	1.92	1.52	1.60	7,910	7,174	4,320
ME	1.57	1.20	0.95	3,297	2,015	1,664
MD	2.71	1.75	1.65	1,176	674	578
MI	2.41	1.86	1.30	8,676	9,077	6,279
MN	1.84	1.46	0.95	27,821	25,404	18,554
MO	2.25	1.85	1.60	3,458	2,821	978
MT	1.91	1.33	1.25	3,820	5,121	4,050
NE	2.11	1.79	1.15	15,730	10,472	6,118
NY	2.10	1.70	1.40	8,085	9,945	9,114
NC	2.40	1.80	1.50	2,880	2,880	1,740
ND	1.68	1.32	0.85	31,920	24,684	22,134
OH	2.41	1.76	1.35	12,363	11,722	8,775
OK	3.10	2.10	1.80	2,009	3,696	1,845
OR	2.22	1.77	1.30	7,537	5,048	5,005
PA	2.27	1.84	1.30	17,161	16,542	11,024
SC	2.35	1.55	1.30	3,807	2,170	1,463
SD	1.86	1.56	0.95	40,176	23,166	19,095
TX	3.43	2.36	1.40	11,662	15,954	9,646
UT	2.10	1.97	1.35	1,323	1,418	851
WA	1.80	1.75	1.30	2,016	2,380	1,463
WV	2.30	2.07	1.30	345	414	260
WI	1.91	1.46	0.95	33,234	29,434	17,385
WY	2.00	1.86	1.80	3,392	3,515	2,534
US	1.96	1.60	1.10	313,920	273,284	188,295

¹ Preliminary.

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

Table 1-53.—Oats: Area, yield, and production in specified countries, 1995/96-1997/98¹

Country and continent	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	1,203	1,684	1,500	2.38	2.59	2.32	2,858	4,361	3,485
Mexico	100	100	100	1.00	1.00	1.00	100	100	100
United States	1,199	1,087	1,178	1.96	2.07	2.17	2,352	2,254	2,556
Total	2,502	2,871	2,778	2.12	2.34	2.21	5,310	6,715	6,141
South America:									
Argentina	275	250	290	1.27	1.24	1.76	350	310	510
Brazil	300	300	300	1.00	1.00	1.00	300	300	300
Chile	70	70	70	2.86	3.07	2.86	200	215	200
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	89	90	90	0.35	0.33	0.33	31	30	30
Total	738	714	754	1.20	1.20	1.39	886	860	1,045
Europe:									
Austria	41	41	46	3.93	3.71	4.28	161	152	197
Belgium	9	8	8	4.22	4.00	4.00	38	32	32
Denmark	32	32	30	5.25	5.13	5.17	168	164	155
Finland	329	374	369	3.33	3.37	3.37	1,097	1,261	1,243
France	149	141	133	4.14	4.41	4.24	617	622	564
Germany	309	302	310	4.60	5.32	5.16	1,421	1,606	1,599
Greece	40	40	45	1.75	1.75	1.78	70	70	80
Ireland	18	18	18	5.56	6.11	6.11	100	110	110
Italy	135	142	139	2.23	2.46	1.98	301	350	275
Netherlands	3	2	2	5.33	5.50	5.50	16	11	11

See footnotes at end of table.

Table 1-53.—Oats: Area, yield, and production in specified countries, 1995/96–1997/98¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 ³	1995/ 96	1996/ 97	1997/ 98 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe, cont.:									
Portugal	73	68	70	0.79	0.97	0.64	58	66	45
Spain	300	394	396	0.72	1.66	1.26	216	653	500
Sweden	273	278	315	3.47	4.32	4.05	947	1,200	1,275
United Kingdom	110	96	105	5.59	6.14	5.48	615	589	575
Total EU	1,821	1,936	1,986	3.20	3.56	3.35	5,825	6,886	6,661
Norway	93	96	93	3.80	4.18	3.90	353	401	363
Switzerland	9	9	9	4.78	4.89	4.67	43	44	42
Total	102	105	102	3.88	4.24	3.97	396	445	405
Albania	20	20	11	1.25	1.25	1.36	25	25	15
Bulgaria	36	35	35	1.31	1.17	1.14	47	41	40
Czech Republic	60	66	78	3.12	3.24	3.17	187	214	247
Hungary	50	48	50	2.60	2.29	2.50	130	110	125
Poland	595	625	626	2.51	2.53	2.60	1,495	1,581	1,630
Romania	239	220	200	1.69	1.32	1.65	404	290	330
Slovakia	16	18	18	2.63	2.28	2.78	42	41	50
Yugoslavia	120	130	130	1.67	1.85	1.85	200	240	240
Total E. Europe	1,136	1,162	1,148	2.23	2.19	2.33	2,530	2,542	2,677
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	330	300	340	2.12	2.33	2.06	700	700	700
Estonia	39	48	50	2.05	2.40	2.00	80	115	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	500	440	375	0.48	0.61	0.93	240	270	350
Latvia	45	56	50	1.67	1.80	2.32	75	101	116
Lithuania	50	52	58	1.30	1.96	2.07	65	102	120
Moldova	3	3	3	2.33	2.33	2.33	7	7	7
Russian Fed.	7,928	6,929	6,500	1.08	1.20	1.45	8,600	8,300	9,400
Tajikistan	3	3	3	1.00	1.00	1.00	3	3	3
Ukraine	560	482	550	1.99	1.51	1.82	1,116	730	1,000
Total	9,475	8,330	7,946	1.15	1.24	1.49	10,910	10,352	11,820
Algeria	100	100	40	0.50	1.00	0.50	50	100	20
Morocco	30	40	40	0.67	0.75	0.75	20	30	30
South Africa, Rep. of	698	675	700	0.05	0.05	0.06	38	34	45
Total	828	815	780	0.13	0.20	0.12	108	164	95
Asia:									
China, People's Republic	540	500	450	1.19	1.20	0.89	640	600	400
Japan	3	1	1	1.33	2.00	2.00	4	2	2
Turkey	150	145	140	1.83	1.72	1.79	275	250	250
Total	693	646	591	1.33	1.32	1.10	919	852	652
Oceania:									
Australia	1,136	1,089	930	1.65	1.56	1.70	1,875	1,698	1,580
New Zealand	20	20	20	3.75	3.75	3.75	75	75	75
Total	1,156	1,109	950	1.69	1.60	1.74	1,950	1,773	1,655
World total	18,431	17,668	17,015	1.56	1.73	1.83	28,759	30,514	31,076

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

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

Table 1-54.—Barley: Area, yield, production, and value, United States, 1989–98

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
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	57.2	359,376	2.89	1,028,756
1996	7,094	6,707	58.5	392,433	2.74	1,080,940
1997	6,706	6,198	58.1	359,878	2.38	861,620
1998 ²	6,340	5,867	60.1	352,445	1.95	663,773

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

Table 1-55.—Barley: Stocks on and off farms, United States, 1989–98

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
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	191,700	135,700	82,060	43,715	122,078	110,522	90,840	65,735
1997	195,500	134,500	81,900	43,700	131,347	109,561	98,299	75,533
1998 ²	193,500	140,900	NA	NA	132,652	121,523	NA	NA

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

Table 1-56.—Barley: Supply and disappearance, United States, 1988–97

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
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	359	41	513	179	172	351	62	413	95	5	100
1996	100	392	37	529	217	172	389	31	419	109	0	109
1997 ²	109	360	40	510	144	172	316	74	390	119	0	119

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

Table 1-57.—Barley: Area, yield, and production, by States, 1996–98

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1996	1997	1998 ²	1996	1997	1998 ²	1996	1997	1998 ²	1996	1997	1998 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	55	70	58	54	67	56	105.0	102.0	110.0	5,670	6,834	6,160
CA	250	230	170	190	150	125	60.0	57.0	60.0	11,400	8,550	7,500
CO	100	95	90	92	89	82	104.0	108.0	115.0	9,568	9,612	9,430
DE	25	40	34	23	35	30	68.0	89.0	60.0	1,564	3,115	1,800
ID	750	770	780	730	750	760	73.0	79.0	78.0	53,290	59,250	59,280
KS	13	10	8	11	8	8	33.0	42.0	35.0	363	336	280
KY	22	9	8	20	7	7	74.0	70.0	63.0	1,480	490	441
MD	55	55	60	49	50	54	61.0	80.0	64.0	2,989	4,000	3,456
MI	28	25	30	25	22	26	48.0	58.0	50.0	1,200	1,276	1,300
MN	550	500	440	520	460	415	64.0	51.0	55.0	33,280	23,460	22,825
MT	1,250	1,250	1,350	1,150	1,150	1,200	43.0	53.0	48.0	49,450	60,950	57,600
NE	20	10	10	17	9	8	53.0	51.0	50.0	901	459	400
NV	6	5	5	5	5	4	95.0	100.0	100.0	475	500	400
NJ	3	5	6	3	4	4	60.0	74.0	58.0	180	296	232
NC	25	24	25	20	20	20	65.0	68.0	57.0	1,300	1,360	1,140
ND	2,650	2,400	2,000	2,600	2,250	1,930	55.0	45.0	55.0	143,000	101,250	106,150
OK	6	6	7	3	5	5	23.0	42.0	47.0	69	210	235
OR	160	126	150	150	116	130	64.0	69.0	62.0	9,600	8,004	8,060
PA	80	72	80	75	68	75	67.0	67.0	67.0	5,025	4,556	5,025
SC	5	4	4	4	3	3	50.0	60.0	47.0	200	180	141
SD	160	130	115	145	120	95	44.0	38.0	48.0	6,380	4,560	4,650
TX	16	10	10	11	5	5	34.0	47.0	43.0	374	235	215
UT	110	100	95	100	95	85	80.0	84.0	83.0	8,000	7,980	7,050
VA	90	75	90	75	60	70	68.0	82.0	61.0	5,100	4,920	4,270
WA	450	490	530	440	480	520	62.0	74.0	65.0	27,280	35,520	33,800
WI	90	80	80	75	65	65	53.0	55.0	52.0	3,975	3,575	3,380
WY	125	115	105	120	105	85	86.0	80.0	86.0	10,320	8,400	7,310
US	7,094	6,706	6,340	6,707	6,198	5,867	58.5	58.1	60.1	392,433	359,878	352,445

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

Table 1-58.—Barley: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per bushel			Value of production		
	1996	1997	1998 ¹	1996	1997	1998 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AZ	3.55	2.90	2.90	20,129	19,819	17,864
CA	3.69	2.75	2.25	42,066	23,513	16,875
CO	3.05	2.98	2.90	29,182	28,644	27,347
DE	2.98	1.95	1.30	4,661	6,074	2,340
ID	3.14	2.82	2.35	167,331	167,085	139,308
KS	3.15	2.69	2.30	1,143	904	644
KY	3.21	2.06	1.30	4,159	1,009	573
MD	3.12	2.05	1.30	9,326	8,200	4,493
MI	2.40	1.90	1.50	2,880	2,424	1,950
MN	2.38	1.88	1.60	79,206	44,105	36,520
MT	3.07	2.83	2.25	151,812	172,489	129,600
NE	2.15	2.20	1.80	1,937	1,010	720
NV	3.00	2.85	2.50	1,425	1,425	1,000
NJ	2.55	2.00	1.05	459	592	244
NC	2.60	2.10	1.90	3,380	2,856	2,166
ND	2.42	1.96	1.55	346,060	198,450	164,533
OK	3.20	2.15	1.70	221	452	400
OR	2.72	2.39	1.50	26,112	19,130	12,090
PA	3.14	2.01	1.35	15,779	9,158	6,784
SC	3.30	2.05	1.80	660	369	254
SD	2.58	2.23	1.70	16,460	10,169	7,752
TX	3.75	2.30	2.05	1,403	541	441
UT	2.93	2.29	1.70	23,440	18,274	11,994
VA	2.90	2.10	1.40	14,790	10,332	5,978
WA	2.64	2.27	1.45	72,019	80,630	49,010
WI	2.65	1.70	1.15	10,534	6,078	3,887
WY	3.33	3.32	2.60	34,366	27,888	19,006
US	2.74	2.38	1.95	1,080,940	861,620	663,773

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

Table 1-59.—Barley: Area, yield, and production in specified countries, 1995/96–1997/98¹

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	4,365	4,888	4,700	2.99	3.18	2.88	13,035	15,562	13,527
Mexico	243	309	271	1.72	1.99	1.70	417	614	460
United States	2,541	2,739	2,600	3.08	3.15	3.14	7,829	8,616	8,153
Total	7,149	7,936	7,571	2.98	3.12	2.92	21,281	24,792	22,140
South America:									
Argentina	218	250	320	1.77	2.13	2.88	385	533	920
Bolivia	90	85	85	0.67	0.76	0.76	60	65	65
Brazil	60	100	80	1.67	1.75	1.88	100	175	150
Chile	25	28	28	3.60	3.75	3.57	90	105	100
Colombia	24	20	10	1.88	2.00	2.00	45	40	20
Ecuador	35	35	35	2.00	0.86	1.00	35	30	35
Peru	90	100	130	1.11	1.00	1.15	100	100	150
Uruguay	140	145	140	2.39	2.59	2.68	335	375	375
Total	682	763	828	1.69	1.87	2.19	1,150	1,423	1,815
Europe:									
Austria	229	260	261	4.65	4.17	4.82	1,065	1,083	1,258
Belgium-Luxembourg	68	70	65	6.28	5.71	6.77	427	400	440
Denmark	716	738	720	5.40	5.36	5.40	3,864	3,953	3,887
Finland	516	543	583	3.42	3.61	3.44	1,764	1,959	2,004
France	1,393	1,527	1,681	5.56	6.25	6.06	7,739	9,540	10,188
Germany	2,109	2,208	2,274	5.64	5.47	5.89	11,891	12,074	13,399
Greece	155	148	130	2.65	2.60	2.69	410	385	350
Ireland	181	184	180	5.99	6.39	5.83	1,084	1,175	1,049
Italy	381	359	335	3.64	3.76	3.25	1,387	1,350	1,090
Netherlands	36	36	42	5.64	6.53	6.38	203	235	268
Portugal	51	46	40	1.04	1.50	1.00	53	69	40
Spain	3,300	3,530	3,707	1.58	2.72	2.32	5,200	9,600	8,600
Sweden	445	459	487	4.03	4.60	4.36	1,793	2,113	2,125
United Kingdom	1,192	1,267	1,328	5.73	6.14	5.91	6,833	7,780	7,850
Total	10,772	11,375	11,833	4.06	4.55	4.44	43,713	51,716	52,548
Norway	175	175	175	3.29	3.83	3.77	575	670	660
Switzerland	55	55	50	5.51	6.58	6.28	303	362	314
Total W. Europe	230	230	225	3.82	4.49	4.33	878	1,032	974
Albania	10	10	10	3.00	3.00	3.00	30	30	30
Bulgaria	400	290	290	3.25	1.72	2.76	1,300	500	800
Czech Republic	558	600	647	3.84	3.77	3.84	2,141	2,262	2,485
Hungary	393	326	390	3.58	2.85	3.59	1,408	930	1,400
Poland	1,048	1,130	1,242	3.13	3.04	3.11	3,278	3,437	3,866
Romania	570	500	617	2.98	2.22	3.06	1,700	1,110	1,889
Slovakia	234	226	245	3.39	3.18	3.78	794	718	925
Yugoslavia	200	240	210	3.00	2.38	3.07	600	570	645
Total E. Europe	3,413	3,322	3,651	3.30	2.88	3.30	11,251	9,557	12,040

See footnotes at end of table.

Table 1-59.—Barley: Area, yield, and production in specified countries, 1995/96–1997/98¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 ³	1995/96	1996/97	1997/98 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	245	150	115	1.63	1.73	1.70	400	260	195
Armenia	65	65	75	1.38	1.38	1.20	90	90	90
Byelarus	1,000	950	930	2.30	2.63	2.58	2,300	2,500	2,400
Estonia	187	147	150	1.49	2.16	1.87	279	317	280
Georgia	35	35	35	1.71	1.14	1.14	60	40	40
Kyrgyzstan	135	125	80	1.28	1.40	1.94	173	175	155
Kazakhstan	4,794	3,600	3,200	0.45	0.75	0.81	2,178	2,700	2,600
Latvia	203	191	180	1.39	1.95	2.00	283	372	360
Lithuania	545	474	504	1.65	2.49	2.58	900	1,178	1,300
Moldova	90	90	85	3.11	1.31	2.82	280	118	240
Russian Fed.	14,710	11,853	12,600	1.07	1.34	1.65	15,800	15,900	20,800
Tajikistan	40	20	20	0.83	1.00	1.00	33	20	20
Turkmenistan	70	23	20	1.71	1.09	1.00	120	25	20
Ukraine	4,413	3,426	3,700	2.18	1.67	2.00	9,633	5,725	7,400
Uzbekistan	275	200	100	1.22	1.05	1.50	335	210	150
Total	26,807	21,349	21,794	1.23	1.39	1.65	32,864	29,630	36,050
Africa:									
Algeria	800	1,000	150	0.68	1.30	0.33	540	1,300	50
Egypt	50	55	55	3.00	3.09	3.09	150	170	170
Ethiopia	1,150	1,450	1,500	1.26	1.10	1.00	1,450	1,600	1,500
Kenya	85	85	85	1.06	1.06	1.06	90	90	90
Libya	280	280	280	0.29	0.36	0.30	80	100	85
Morocco	1,300	2,430	1,996	0.46	1.58	0.66	600	3,831	1,324
South Africa, Rep. of	125	127	132	2.40	1.39	1.38	300	176	182
Tunisia	550	712	260	1.52	1.21	0.77	835	861	200
Zimbabwe	5	5	5	1.20	3.00	3.00	6	15	15
Total	4,345	6,144	4,463	0.93	1.33	0.81	4,051	8,143	3,616
Asia:									
Afghanistan	225	220	220	0.89	0.82	0.91	200	180	200
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 ...	1,283	1,300	1,300	3.19	3.08	3.08	4,089	4,000	4,000
Cyprus	55	60	60	2.36	2.00	2.50	130	120	150
India	890	824	760	1.94	1.83	1.89	1,730	1,510	1,436
Iran	2,500	2,400	2,200	1.32	1.29	1.36	3,300	3,100	3,000
Iraq	14	12	14	0.50	0.50	0.50	7	6	7
Israel	1,350	1,300	1,200	0.96	0.92	0.67	1,300	1,200	800
Japan	62	59	57	3.63	3.69	4.09	225	218	233
Jordan	84	50	85	0.68	0.86	0.53	57	43	45
Korea, Rep. of	90	95	69	4.48	4.34	3.75	403	412	259
Lebanon	5	5	5	1.20	1.20	1.20	6	6	6
Nepal	30	35	35	0.83	1.00	1.00	25	35	35
Pakistan	155	155	170	0.97	0.97	1.00	150	150	170
Saudi Arabia	188	71	63	6.38	6.34	6.35	1,200	450	400
Syria	1,963	1,550	1,627	0.87	1.07	0.60	1,705	1,653	983
Turkey	3,550	3,650	3,700	1.94	1.97	1.97	6,900	7,200	7,300
Yemen	49	50	50	1.31	1.08	0.94	64	54	47
Total	12,505	11,848	11,627	1.72	1.72	1.64	21,501	20,347	19,081
Oceania:									
Australia	3,111	3,409	3,455	1.87	2.00	1.86	5,823	6,809	6,427
New Zealand	68	78	80	4.41	4.94	5	300	385	400
Total	3,179	3,487	3,535	1.93	2.06	1.93	6,123	7,194	6,827
World total	69,082	66,454	65,527	2.07	2.31	2.37	142,812	153,834	155,091

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

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

Table 1-60.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1988–97

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>
1988	737	132	3.8	3.5	0.6	41.0	16.7
1989	727	130	4.0	3.5	0.6	43.6	17.6
1990	773	136	4.3	3.5	0.6	45.9	18.4
1991	791	137	4.5	3.5	0.6	47.3	18.7
1992	817	139	4.7	3.5	0.6	48.3	18.9
1993	853	143	5.0	3.3	0.6	53.0	20.5
1994	871	144	5.2	3.3	0.6	54.8	21.0
1995	858	142	5.4	3.4	0.6	55.0	20.9
1996	896	149	5.4	3.5	0.6	56.1	21.1
1997 ⁹	903	150	5.4	3.5	0.6	59.0	22.0

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>
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	72.9	3.9	4.0	77.4	6.5	6.1	0.7
1993	831	15.7	2.6	76.2	3.9	4.0	78.3	6.5	6.2	0.7
1994	862	15.8	2.6	78.4	3.9	4.1	79.2	6.5	6.3	0.7
1995	885	16.0	2.6	80.2	4.0	4.1	80.0	6.5	6.4	0.7
1996	918	16.2	2.6	82.0	4.0	4.1	81.4	6.6	6.5	0.7
1997 ⁹	949	16.4	2.6	85.9	3.8	4.1	82.2	6.5	6.5	0.7

¹Data are in marketing year; for corn, September 1-August 31; for oats and barley, June 1-May 31; and rice, August 1-July 31. Wheat, rye, syrup, and sugar are in calendar year. ²Excludes quantities used in alcoholic beverages. ³Includes white, whole wheat, and semolina flour. 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 1-61.—Barley: Support operations, United States, 1989–98

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	
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	32.9	8.8	0.0	0.0
1998/99	0.277	1.56	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.

Table 1-62.—Sorghum: Area, yield, production, and value, United States, 1989–98

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
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	9,787	8,882	72.7	645,741	2.13	1,323,801	362	11.9	4,316
1995	9,429	8,253	55.6	458,648	3.19	1,395,413	413	10.3	4,242
1996	13,097	11,811	67.3	795,274	2.34	1,986,316	423	11.8	4,976
1997	10,052	9,158	69.1	633,545	2.21	1,408,909	412	13.1	5,385
1998 ⁴	9,626	7,723	67.3	519,933	1.75	952,514	305	11.4	3,487

¹ Grain and sweet sorghum for all uses, including sirup. ² Includes both grain sorghum for grain, and sweet sorghum for grain or seed. ³ Based on the reported price of grain sorghum. ⁴ Preliminary.

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

Table 1-63.—Sorghum grain: Stocks on and off farms, United States, 1990–99

Year beginning previous Dec.	On farms				Off farms ¹			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1
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	222,149	129,641	56,433	12,871
1997	144,590	76,980	38,815	15,487	322,818	197,374	80,329	31,974
1998	99,625	56,760	27,200	13,700	274,244	177,916	68,944	35,203
1999	89,700	NA	NA	NA	237,831	NA	NA	NA

¹ Includes stocks at mills, elevators, warehouses, terminals, and processors. NA-not available.

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

Table 1-64.—Sorghum: Supply and disappearance, United States, 1988–97

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
1988	663	577	1,239	471	18	488	311	800	99	341	440
1989	440	615	1,055	512	20	532	303	835	57	163	220
1990	220	573	793	401	17	418	232	651	78	65	143
1991	143	585	727	366	17	383	292	674	45	8	53
1992	53	875	928	457	19	476	277	753	171	4	175
1993	175	534	709	440	20	460	202	662	47	1	48
1994	48	646	693	377	22	399	223	622	71	1	72
1995	72	459	530	295	19	314	198	512	18	0	18
1996	18	795	814	516	45	561	205	766	47	0	47
1997 ³ ..	47	634	681	365	55	420	212	632	49	0	49

¹ Includes imports. ² Includes quantity under loan and farmer-owned reserve. ³ Preliminary. Totals may not add due to independent rounding.

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

Table 1-65.—Sorghum: Area, yield, and production, by States, 1996–98

State	Area planted for all purposes			Sorghum for grain								
				Area harvested			Yield per harvested acre			Production		
	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
	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	13	10	9	10	6	6	55.0	50.0	45.0	550	300	270
AR	230	160	140	220	150	130	74.0	74.0	53.0	16,280	11,100	6,890
CO	290	190	200	260	150	185	51.0	40.0	57.0	13,260	6,000	10,545
GA	65	65	50	40	40	30	41.0	45.0	38.0	1,640	1,800	1,140
IL	155	120	110	150	115	107	84.0	91.0	74.0	12,600	10,465	7,918
KS	4,800	3,650	3,500	4,600	3,400	3,300	77.0	78.0	80.0	354,200	265,200	264,000
KY	26	11	10	23	9	8	92.0	65.0	80.0	2,116	585	640
LA	155	90	130	153	88	125	76.0	75.0	60.0	11,628	6,600	7,500
MS	75	35	40	72	33	36	70.0	75.0	65.0	5,040	2,475	2,340
MO	580	420	330	560	400	320	91.0	92.0	83.0	50,960	36,800	26,560
NE	1,250	900	700	1,030	750	600	95.0	81.0	94.0	97,850	60,750	56,400
NM	255	245	200	225	227	65	33.0	44.0	45.0	7,425	9,988	2,925
NC	19	20	21	10	11	12	57.0	50.0	45.0	570	550	540
OK	520	490	410	490	450	340	59.0	50.0	45.0	28,910	22,500	15,300
SC	10	6	6	5	4	3	50.0	43.0	35.0	250	172	105
SD	230	270	200	145	160	140	55.0	71.0	71.0	7,975	11,360	9,940
TN	24	20	20	18	15	16	90.0	70.0	70.0	1,620	1,050	1,120
TX	4,400	3,350	3,550	3,800	3,150	2,300	48.0	59.0	46.0	182,400	185,850	105,800
US	13,097	10,052	9,626	11,811	9,158	7,723	67.3	69.2	67.3	795,274	633,545	519,933

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

Table 1-66.—Sorghum: Utilization for silage, by States, 1996–98

State	Silage								
	Area harvested			Yield per acre			Production		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	2	2	2	10.0	10.0	10.0	20	20	20
AR	5	5	6	9.0	10.0	8.0	45	50	48
CO	12	18	11	13.0	13.0	13.0	156	234	143
GA	20	15	15	10.0	10.0	9.0	200	150	135
IL	1	3	1	11.0	12.0	12.0	11	36	12
KS	120	130	80	14.0	15.0	15.0	1,680	1,950	1,200
KY	1	1	1	14.0	13.0	14.0	14	13	14
LA .....	.....	1	2	.....	10.0	10.0	.....	10	20
MS	2	2	3	8.0	8.0	8.0	16	16	24
MO	10	9	5	8.0	11.0	10.0	80	99	50
NE	60	40	30	13.5	10.5	11.0	810	420	330
NM	11	15	12	12.0	17.0	19.0	132	255	228
NC	4	4	4	8.0	10.0	9.0	32	40	36
OK	16	22	18	15.0	12.0	7.0	240	264	126
SC	4	2	3	10.0	15.0	7.0	40	30	21
SD	60	60	30	7.5	10.5	11.0	450	630	330
TN	5	3	2	12.0	16.0	15.0	60	48	30
TX	90	80	80	11.0	14.0	9.0	990	1,120	720
US	423	412	305	11.8	13.1	11.4	4,976	5,385	3,487

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

Table 1-67.—Sorghum grain: Marketing year average price and value, by States, crop of 1996, 1997, and 1998

State	Marketing year average price per bushel			Value of production		
	1996	1997	1998	1996	1997	1998
	<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	2.74	2.21	1.85	1,507	663	500
AR	2.95	2.57	1.90	48,026	28,527	13,091
CO	2.27	2.19	1.75	30,100	13,140	18,454
GA	2.58	2.63	2.00	4,231	4,734	2,280
IL	2.30	2.38	1.95	28,980	24,907	15,440
KS	2.28	2.13	1.70	807,576	564,876	448,800
KY	2.53	2.54	1.95	5,353	1,486	1,248
LA	2.91	2.46	2.10	33,837	16,236	15,750
MS	2.97	2.49	2.00	14,969	6,163	4,680
MO	2.37	2.20	1.70	120,775	80,960	45,152
NE	2.34	2.15	1.75	228,969	130,613	98,700
NM	2.58	2.49	2.15	19,157	24,870	6,289
NC	2.97	2.58	2.00	1,693	1,419	1,080
OK	2.39	2.21	1.90	69,095	49,725	29,070
SC	3.00	2.30	1.85	750	396	194
SD	2.03	1.99	1.70	16,189	22,606	16,898
TN	2.63	2.57	1.90	4,261	2,699	2,128
TX	3.02	2.34	2.20	550,848	434,889	232,760
US	2.34	2.21	1.75	1,986,316	1,408,909	952,514

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

Table 1-68.—Sorghum grain: Support operations, United States, 1989-98

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>
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	9.8	2.7	0.1	0.1
1998/99	0.796	3.11	NA	.....	.....	.....	.....

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

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

Table 1-69.—Feedgrains: United States food aid under specified Government programs, 1992-98

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

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

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

Table 1-70.—Commercial feeds: Disappearance for feed, United States, 1988-97

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
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	2,961	115	181	478	30,346	2,536	290	420	3,246
1996	27,320	2,962	109	141	462	31,145	2,783	308	428	3,519
1997 ³	28,888	2,963	119	95	531	32,589	2,501	488	413	3,402

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
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	602	255	9,014	42,605
1996	7,052	1,833	559	248	9,693	44,357
1997 ³	7,248	1,914	610	421	10,193	46,185

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 1-71.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 1988–97

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
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	130.8	563	81
1995	29,272	3,459	32,731	3,547	524	36,802	132.1	557	114
1996	30,052	3,541	33,593	3,870	1,092	38,554	133.2	579	136
1997	31,777	3,417	35,194	3,751	1,140	40,084	136.1	589	99

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.
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Table 1-72.—Feed concentrates: Fed to livestock and poultry, 1988–97

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						
	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Millions	Tons	
1988	110.2	13.2	8.4	131.8	4.0	0.3	40.6	176.6	76.8	2.30
1989	122.7	14.3	9.8	146.9	8.2	0.2	42.4	197.7	77.4	2.56
1990	129.1	11.2	9.7	150.1	13.3	0.2	43.9	207.4	80.1	2.59
1991	134.3	10.2	9.6	154.2	6.9	0.2	45.3	206.6	80.7	2.56
1992	147.1	12.8	8.4	168.3	4.3	0.2	46.7	219.4	82.7	2.65
1993	131.1	12.3	10.2	153.7	10.6	0.2	48.3	212.7	84.0	2.53
1994	154.6	10.7	8.5	173.8	8.2	0.2	50.0	232.2	84.3	2.75
1995	131.1	8.3	7.3	146.7	7.0	0.2	49.3	203.2	84.9	2.39
1996	150.1	14.7	6.9	171.7	9.8	0.1	52.1	233.7	85.4	2.74
1997	158.6	10.8	6.8	176.2	10.0	0.2	54.1	240.5	87.8	2.74

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

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Table 1-73.—Feed: Consumed per head and per unit of production, by class of live-stock or poultry, with quantity expressed in equivalent feeding value of corn, 1988–97

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>
1988	12,126	85	6,397	8,516	5,269	5,719	1,254	1,260	1,667
1989	12,684	87	6,491	9,332	5,298	5,873	1,304	1,271	1,603
1990	12,758	86	6,503	9,441	5,302	5,941	1,316	1,272	1,636
1991	12,701	82	6,494	9,358	5,299	5,878	1,305	1,271	1,553
1992	12,879	82	6,524	9,618	5,308	5,954	1,330	1,274	1,568
1993	12,676	79	6,489	9,322	5,298	5,898	1,326	1,271	1,611
1994	13,096	80	6,560	9,936	5,320	5,963	1,327	1,278	1,626
1995	12,417	76	6,446	8,943	5,284	5,812	1,286	1,266	1,616
1996	13,039	78	6,550	9,853	5,317	5,997	1,343	1,277	1,629
1997 ⁴	12,998	76	6,544	9,793	5,315	6,021	1,329	1,277	1,507

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>
1988	111	43	26	598	9.7	235	83	420	562	3,680
1989	122	49	29	787	10.8	260	91	462	590	3,789
1990	124	50	29	794	10.9	258	92	433	624	3,803
1991	123	49	29	793	10.8	252	91	431	617	3,792
1992	126	51	30	822	11.1	256	94	426	603	3,827
1993	122	49	29	793	10.8	244	91	405	597	3,787
1994	131	52	31	820	11.6	258	97	432	626	3,869
1995	117	46	28	814	10.3	226	87	385	546	3,737
1996	130	51	31	954	11.5	242	96	401	615	3,858
1997 ⁴	129	51	31	979	11.4	239	96	383	640	3,850

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

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Table 1-74.—Feed: Consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1988–97

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>
1988	186	72	181	482	1993	226	77	183	486
1989	208	74	177	440	1994	244	80	184	486
1990	219	79	171	459	1995	218	79	185	509
1991	218	79	175	468	1996	244	79	179	483
1992	231	83	173	472	1997 ¹	250	81	172	503

¹ Preliminary.

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Table 1-75.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1988–97¹

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>
1988	76,806	74,468	74,970	1993	83,990	76,351	78,812
1989	77,350	73,699	74,692	1994	84,334	77,874	79,876
1990	80,075	73,490	75,605	1995	84,944	77,922	80,123
1991	80,685	74,665	76,538	1996	85,270	76,050	79,111
1992	82,731	75,252	77,663	1997 ⁵	87,832	74,450	79,118

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.

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Table 1-76.—Feed grains: Average price, selected markets and grades, 1993–98¹

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

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

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.

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Table 1-77.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 1993–97

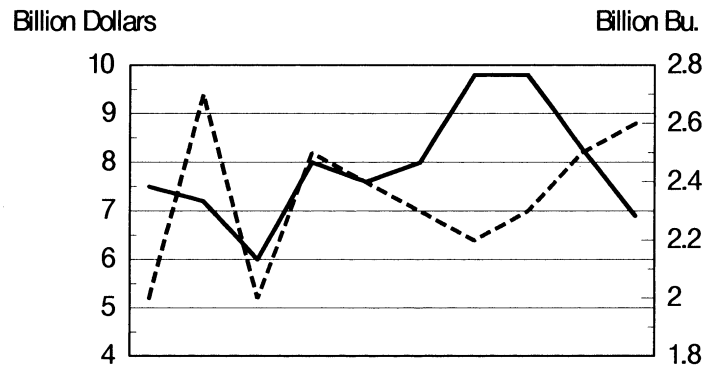
Year beginning October	Soybean meal		Cottonseed meal		Linseed meal	Meat meal	Fish meal	Wheat bran	Wheat middlings
	44% protein	49–50% protein	41% protein	41% protein	34% protein	50% protein	60% protein	Kansas City	Minneapolis
	Decatur	Decatur	Kansas City	Memphis	Minneapolis	Kansas City	Gulf Coast		
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

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

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

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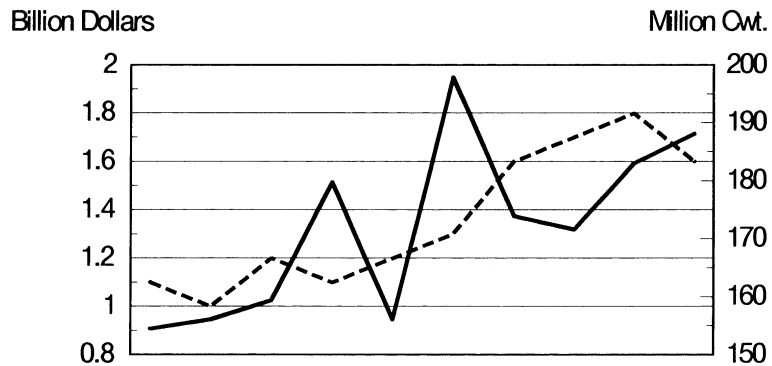
All Wheat: Production & Value of Production 1989-98



Year	89	90	91	92	93	94	95	96	97	98
Production	2.0	2.7	2.0	2.5	2.4	2.3	2.2	2.3	2.5	2.6
Value of Prod.	7.5	7.2	6.0	8.0	7.6	8.0	9.8	9.8	8.3	6.9

NASS Table 1-2

Rice, Rough: Production & Value of Production 1989-98



Year	89	90	91	92	93	94	95	96	97	98
Production	154.5	156.1	159.4	179.7	156.1	197.8	173.9	171.6	183.0	188.1
Value of Prod.	1.1	1.0	1.2	1.1	1.2	1.3	1.6	1.7	1.8	1.6

NASS Table 1-22