

CHAPTER IX

FARM RESOURCES, INCOME, AND EXPENSES

The statistics in this chapter deal with farms, farm resources, farm income, and expenses. Many of the series are estimates developed in connection with economic research activities of the Department.

For convenience the tables have been arranged in general groups. These groups, with the beginning table indicated, are as follows:

- Economic trends, table 9-1.
- Farm property, table 9-2.
- Population and employment, table 9-15.
- Farm production and distribution, table 9-23.
- Price and income, table 9-29.
- Costs and expenses, table 9-41.

Table 9-1.—Economic trends: Data relating to agriculture, United States, 1988–97

Year	Prices paid by farmers ¹		Prices received by farmers ¹	Farm income ²		
	Total including interest, taxes, and wage rates	Production items		Gross farm income ⁶	Production expenses	Net farm income
	<i>Index numbers 1990–92=100</i>	<i>Index numbers 1990–92=100</i>	<i>Index numbers 1990–92=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1988	91	90	99	177.9	139.9	38.0
1989	96	95	104	191.9	146.6	45.3
1990	99	99	104	198.1	153.3	44.7
1991	100	100	100	191.9	153.3	38.6
1992	101	101	98	200.5	152.9	47.5
1993	104	104	101	204.0	160.5	43.6
1994	106	106	100	215.8	167.5	48.3
1995	109	108	102	210.9	174.1	36.0
1996	114	114	112	235.8	182.4	53.4
1997	117	117	107	238.3	188.4	49.8

Year	National income ³	Disposable personal income ³	Industrial production ⁴	Consumer prices all items ⁵	Producer prices consumer foods ⁵
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Index numbers 1992=100</i>	<i>Index numbers 1982–84=100</i>	<i>Index numbers 1982=100</i>
1988	4,145.3	3,652.6	97.4	118.3	112.6
1989	4,397.3	3,906.1	99.1	124.0	118.7
1990	4,652.1	4,179.4	98.9	130.7	124.4
1991	4,761.6	4,356.8	97.0	136.2	124.1
1992	4,990.4	4,626.7	100.0	140.3	123.3
1993	5,266.8	4,829.2	103.5	144.5	125.7
1994	5,590.7	5,052.7	109.1	148.2	126.8
1995	5,923.7	5,355.7	114.4	152.4	129.0
1996	6,256.0	5,608.3	119.5	156.9	133.6
1997	6,646.5	5,885.2	126.8	160.5	134.5

¹ U.S. Department of Agriculture - NASS. ² U.S. Department of Agriculture - ERS. ³ U.S. Department of Commerce. ⁴ Federal Reserve Board. ⁵ U.S. Department of Labor. ⁶ Preliminary. ⁷ Includes cash receipts from marketings, government payments, nonmoney income (gross rental value and home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories.

ERS, Farm Structure and Performance Branch, (202) 694-5592; NASS, Livestock and Economics Branch, (202) 720-3570.

Table 9-2.—Farms: Number, land in farms, and average size of farm, U.S., 1989–98¹

Year	Farms ²		Land in farms		Average size farm	
	<i>Number</i>		<i>1,000 acres</i>		<i>Acres</i>	
1989	2,174,520		990,723		456	
1990	2,145,820		986,850		460	
1991	2,116,760		981,736		464	
1992	2,107,840		978,503		464	
1993	2,201,590		968,845		440	
1994	2,197,690		965,935		440	
1995	2,196,400		962,515		438	
1996	2,190,500		958,675		438	
1997	2,190,510		956,010		436	
1998 ³	2,191,510		953,765		435	

¹The farm definition was changed in 1993 to include maple syrup, short rotation woody crops, and places with 5 or more horses. ²A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year. ³Preliminary.

NASS, Livestock and Economics Branch, (202) 720–3570.

Table 9-3.—Farms: Percent of farms, land in farms, and average size, by economic sales class, United States, June 1, 1997–98

Economic sales class	Percent of total				Average size farm	
	Farms		Land		1997	1998 ¹
	1997	1998 ¹	1997	1998 ¹		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$1,000–\$2,499	27.4	27.6	4.4	4.3	70	68
\$2,500–\$4,999	14.6	14.7	4.4	4.4	132	130
\$5,000–\$9,999	12.4	12.1	5.4	5.5	190	198
\$10,000–\$19,999	9.9	9.9	5.8	5.8	256	255
\$20,000–\$39,999	9.0	8.9	7.4	7.3	359	357
\$40,000–\$99,999	10.6	10.5	17.0	16.8	700	696
\$100,000–\$249,999	9.0	8.9	24.0	23.5	1,164	1,149
\$250,000–\$499,999	4.1	4.3	14.2	14.8	1,512	1,498
\$500,000+	3.0	3.1	17.4	17.6	2,531	2,471
Total	100.0	100.0	100.0	100.0	436	435

¹Preliminary.

NASS, Livestock and Economics Branch, (202) 720–3570.

Table 9-4.—Number of farms: Economic sales class by region and United States

Region and year	Economic Sales Class			Total
	\$1,000–\$9,999	\$10,000–\$99,999	\$100,000 & over	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
NE:¹				
1996	75,850	36,900	21,200	133,950
1997	76,050	37,300	21,700	135,050
1998	76,400	37,000	21,750	135,150
NC:²				
1996	325,900	320,800	185,800	832,500
1997	334,800	306,600	187,600	829,000
1998	333,300	304,000	188,200	825,500
South:³				
1996	608,500	227,400	88,100	924,000
1997	618,000	216,000	89,800	923,800
1998	615,500	216,200	92,000	923,700
West:⁴				
1996	157,550	88,500	54,000	300,050
1997	162,200	86,060	54,400	302,660
1998	167,000	85,000	55,160	307,160
US:				
1996	1,167,800	673,600	349,100	2,190,500
1997	1,191,050	645,960	353,500	2,190,510
1998	1,192,200	642,200	357,110	2,191,510

¹CT, ME, MA, NH, NJ, NY, PA, RI, VT. ²IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, WI. ³AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV. ⁴AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, UT, WA, WY.

NASS, Livestock and Economics Branch, (202) 720–3570.

Table 9-5.—Land in farms: Economic sales class by region and United States

Region and year	Economic Sales Class			Total
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000 & over	
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
NE: ¹				
1996	5,490	6,100	8,735	20,325
1997	5,475	6,100	8,800	20,375
1998	5,475	6,010	8,900	20,385
NC: ²				
1996	34,400	115,900	205,400	355,700
1997	34,500	109,900	210,600	355,000
1998	33,800	108,400	212,300	354,500
South: ³				
1996	65,690	95,500	127,500	288,690
1997	64,900	93,985	128,500	287,385
1998	64,700	93,730	128,300	286,730
West: ⁴				
1996	28,210	79,700	186,050	293,960
1997	30,500	78,500	184,250	293,250
1998	31,000	77,500	183,650	292,150
US:				
1996	133,790	297,200	527,685	958,675
1997	135,375	288,485	532,150	956,010
1998	134,975	285,640	533,150	953,765

¹ CT, ME, MA, NH, NJ, NY, PA, RI, VT. ² IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, WI. ³ AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV. ⁴ AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, UT, WA, WY.
 NASS, Livestock and Economics Branch, (202) 720-3570.

Table 9-6.—Land in farms: Classification by tenure of operator, United States, 1910-97

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Acres</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1910	878,798,325	52.9	15.2	6.1	25.8
1920	958,676,612	48.3	18.4	5.7	27.7
1925	924,319,352	45.4	21.3	4.7	28.7
1930 ¹	990,111,984	37.6	24.9	6.4	31.0
1935	1,054,515,111	37.1	25.2	5.8	31.9
1940 ¹	1,065,113,774	35.9	28.2	6.5	29.4
1945	1,141,615,364	36.1	32.5	9.3	22.0
1950 ¹	1,161,419,720	36.1	36.4	9.2	18.3
1954	1,158,191,511	34.2	40.7	8.6	16.5
1959 ¹	1,123,507,574	31.0	44.0	9.8	14.8
1964 ¹	1,110,187,000	28.7	48.0	10.2	13.1
1969 ¹	1,062,892,501	35.3	51.8	.....	13.0
1974 ¹	1,017,030,357	35.3	52.6	.....	12.0
1978 ¹	1,014,777,234	32.7	55.3	.....	12.0
1982 ¹	986,796,579	34.7	53.8	.....	11.5
1987 ¹	964,470,625	32.9	53.9	.....	13.2
1992 ¹	945,531,506	31.3	55.7	.....	13.0
1997 ²	932,475,414	26.7	62.2	.....	11.2

¹ Includes Alaska and Hawaii. ² Excludes Alaska and Hawaii.

ERS, Natural Resources and Environment Division, (202) 694-5575. Data for 1910-1992 is from the Census of Agriculture, U.S. Department of Commerce. Data for 1997 is from ERS Agricultural Resource Management Study.

Table 9-7.—Farms: Classification by tenure of operator, United States, 1910-97

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
		<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	Percent
1910	6,365,822	52.7	9.3	.9	37.0
1920	6,453,991	52.2	8.7	1.1	38.1
1925	6,371,640	52.0	8.7	.6	38.6
1930 ¹	6,295,103	46.3	10.4	.9	42.4
1935	6,812,350	47.1	10.1	.7	42.1
1940 ¹	6,102,417	50.6	10.1	.6	38.8
1945	5,859,169	56.4	11.3	.7	31.7
1950 ¹	5,388,437	57.4	15.3	.4	26.9
1954	4,783,021	57.4	18.2	.4	24.0
1959 ¹	3,710,503	57.1	21.9	.6	20.5
1964 ¹	3,157,857	57.6	24.8	.6	17.1
1969 ¹	2,730,250	62.5	24.6		12.9
1974 ¹	2,314,013	61.5	27.2		11.3
1978 ¹	2,257,775	57.5	30.2		12.3
1982 ¹	2,240,976	59.2	29.3		11.6
1987 ¹	2,087,759	59.3	29.2		11.5
1992 ¹	1,925,300	57.7	31.0		11.3
1997 ²	2,049,384	55.3	35.4		9.3

¹ Includes Alaska and Hawaii. ² Excludes Alaska and Hawaii.

ERS, Resource Economics Division, (202) 694-5575. Data for 1910-1992 is from the Census of Agriculture, U.S. Department of Commerce. Data for 1997 is from ERS Agricultural Resource Management Study.

Table 9-8.—Farms: Classification by Tenants and Part Owners, United States, 1900-97

Year	Land in farms	Land rented by operators ¹			Percentage of land rented
		Tenants	Part-owners	Total	
		<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>		Percent
1900	841.8	195.1	2 71.1	266.2	31.6
1910	878.8	225.5	3 51.3	277.8	31.6
1920	958.7	4 265.0	5 54.7	319.7	33.3
1925	924.3	264.9	96.3	361.2	39.0
1930	990.1	307.3	125.2	432.5	43.6
1935	1,054.5	336.8	134.3	471.1	44.6
1940	1,165.1	313.2	155.9	469.1	40.3
1945	1,141.6	251.6	178.9	430.5	37.7
1950	1,161.4	212.2	196.2	408.4	35.2
1954	1,158.2	192.6	212.3	404.9	34.9
1959	1,123.0	166.8	234.1	400.9	35.7
1964	1,110.2	144.9	248.1	6 393.0	35.4
1969	1,063.3	137.6	241.8	379.4	35.7
1974	1,017.0	122.3	258.4	380.7	37.4
1978	1,029.7	124.1	285.3	406.3	39.4
1982	986.2	113.6	269.9	383.5	38.9
1987	964.5	126.9	275.4	402.3	41.7
1992	945.5	122.7	282.2	404.9	42.8
1997	931.8	108.1	270.0	378.1	40.6

¹ Columns 3, 4, and 5 refer only to land rented from others and operated, so subleased land is not included. Numbers of land rented are comparable in the same year, but definitions change over time. Basic sources are 1969 Census of Agriculture, table 5, p.14; 1974 Census of Agriculture, table 3, pp.1-6; 1978 Census of agriculture, vol. 1, part 51, table 5, pp. 124-127; 1982 Census of Agriculture, vol. 1, part 51, table 48, p. 49; 1987 Census of Agriculture vol. 1 part 51, table 48, p.49; 1992 Census of Agriculture vol. 1, part 51, table 46, p.53; 1997 Census of Agriculture, vol. 1, part 51, chapter 1, table 46, p. 57; and earlier census volumes as noted. ²Sum of part owners and owner/tenant, 1900 Census of Agriculture, table 20, pp.308. ³Assumes land leased by part-owners is the difference between the average size of full-owner and part-owner farms. Acreage leased by part-owners is this difference times the number of part-owners. 1910 Census of Agriculture, chapter 11, table 1 and 3, pp.97-99. ⁴1920 Census of Agriculture, vol. VI, part 1, table 5, p.19. ⁵Assumes same proportion of owner and part-owner as in 1910. ⁶1964 Census of Agriculture, vol. II, chapter 8, p.757.

ERS, Resource Economics Division, (202) 694-5529. Data from the Census of Agriculture, U.S. Department of Commerce and Economic Research Service.

Table 9-9.—Farms: Number and land in farms, by States, 1997 and 1998

State	Farms ¹		Land in farms	
	1997	1998 ²	1997	1998 ²
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL	49,000	49,000	9,600	9,500
AK	560	560	910	910
AZ	7,900	7,900	28,300	28,300
AR	49,000	49,500	14,800	14,750
CA	87,000	89,000	28,700	28,500
CO	29,500	29,500	32,500	32,200
CT	4,100	4,100	380	380
DE	2,800	2,700	585	580
FL	45,000	45,000	10,600	10,600
GA	49,000	50,000	11,300	11,300
HI	5,500	5,500	1,440	1,440
ID	24,500	24,500	12,000	12,000
IL	79,000	79,000	27,800	27,800
IN	66,000	66,000	15,600	15,600
IA	98,000	97,000	33,000	33,000
KS	65,000	65,000	47,500	47,500
KY	91,000	90,000	13,900	13,900
LA	30,000	30,000	8,200	8,200
ME	7,000	6,900	1,280	1,280
MD	13,000	12,500	2,200	2,100
MA	6,000	6,000	570	570
MI	53,000	52,000	10,400	10,400
MN	81,000	80,000	29,100	28,900
MS	42,000	42,000	11,700	11,600
MO	110,000	110,000	30,100	30,100
MT	27,000	27,500	57,800	57,500
NE	55,000	55,000	46,400	46,400
NV	3,000	3,000	6,900	6,900
NH	3,000	3,100	420	420
NJ	9,600	9,600	830	830
NM	15,500	16,000	45,300	45,300
NY	38,000	38,000	7,800	7,800
NC	59,000	58,000	9,500	9,400
ND	31,500	31,000	39,700	39,500
OH	79,000	80,000	14,900	14,900
OK	83,000	83,000	34,000	34,000
OR	39,000	39,500	17,500	17,200
PA	60,000	60,000	7,700	7,700
RI	750	750	65	65
SC	25,000	25,000	5,000	4,900
SD	32,500	32,500	44,000	44,000
TN	91,000	91,000	12,000	11,900
TX	225,000	226,000	131,500	131,500
UT	15,000	15,000	11,600	11,600
VT	6,600	6,700	1,330	1,340
VA	49,000	49,000	8,800	8,800
WA	39,000	40,000	15,700	15,700
WV	21,000	21,000	3,700	3,700
WI	79,000	78,000	16,500	16,400
WY	9,200	9,200	34,600	34,600
US	2,190,510	2,191,510	956,010	953,765

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year. ² Preliminary.

NASS, Livestock and Economic Branch, (202) 720-3570.

Table 9-10.—Land: Utilization, by States, 1992

State	Cropland			Grassland pasture ²	Forest land ³	Special use areas ⁴	Other land ⁵	Total land area ⁶
	Used for crops ¹	Idle	Used only for pasture					
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
AL	2,152	852	1,535	1,917	21,941	1,373	2,710	32,480
AK	28	61	7	1,156	87,936	143,616	132,235	365,039
AZ	961	231	111	40,641	15,968	12,320	2,499	72,731
AR	7,566	793	2,067	2,532	17,423	1,418	1,529	33,328
CA	8,017	1,168	1,227	24,434	34,679	13,373	16,925	99,823
CO	8,348	2,157	1,177	28,087	18,837	4,957	2,823	66,386
CT	142	13	33	37	1,718	294	864	3,101
DE	464	14	10	11	386	102	264	1,251
DC	0	0	0	0	0	0	39	39
FL	2,451	503	973	5,697	15,683	4,939	4,312	34,558
GA	3,918	1,423	1,187	1,689	23,631	1,874	3,346	37,068
HI	136	120	38	976	1,435	759	647	4,111
ID	4,799	1,063	815	20,219	18,033	5,227	2,805	52,961
IL	23,012	1,670	903	1,590	4,030	1,919	2,456	35,580
IN	11,735	964	705	1,261	4,296	897	3,099	22,957
IA	23,414	2,994	2,194	1,518	1,944	1,566	2,130	35,760
KS	25,213	3,467	3,815	13,880	1,337	1,644	3,011	52,367
KY	4,977	1,271	3,454	1,359	12,360	997	1,011	25,429
LA	4,118	900	876	1,619	13,855	1,423	5,091	27,882
ME	410	108	73	38	17,461	452	1,211	19,753
MD	1,480	99	169	212	2,474	659	1,163	6,256
MA	171	14	45	35	2,778	559	1,414	5,016
MI	7,068	1,038	517	1,736	17,442	2,469	6,088	36,358
MN	19,472	3,003	1,036	1,673	15,632	4,313	5,825	50,954
MS	4,794	1,298	1,327	2,206	16,991	870	2,539	30,025
MO	12,529	2,201	5,402	6,478	13,377	1,721	2,387	44,095
MT	13,941	3,028	1,551	47,364	18,592	6,091	2,589	93,156
NE	19,428	2,089	2,586	20,917	568	1,480	2,134	49,202
NV	478	89	264	46,061	7,224	7,569	8,590	70,275
NH	109	8	26	48	4,785	266	1,928	5,740
NJ	485	55	69	33	1,764	715	1,627	4,748
NM	1,303	649	530	52,478	14,164	5,927	2,622	77,773
NY	3,377	481	710	1,292	16,291	3,749	4,323	30,223
NC	4,315	785	835	984	18,710	2,271	3,280	31,180
ND	24,444	3,463	1,715	10,951	338	1,603	1,642	44,156
OH	10,043	951	891	1,478	7,623	1,161	4,062	26,209
OK	9,996	1,556	4,462	17,364	7,122	1,396	2,058	43,954
OR	3,720	743	818	22,456	26,614	3,612	3,478	61,441
PA	4,004	419	738	1,088	15,946	2,356	4,134	28,685
RI	19	3	4	2	377	59	205	669
SC	1,903	643	513	477	12,179	1,059	2,497	19,271
SD	15,458	2,439	2,485	23,947	1,450	1,602	1,192	48,573
TN	4,133	946	2,598	1,367	13,275	2,233	1,828	26,390
TX	21,574	6,432	11,053	101,301	14,548	5,029	7,688	167,625
UT	1,202	345	561	23,760	14,078	5,549	7,093	52,588
VT	408	19	158	191	4,474	338	332	5,920
VA	2,562	350	1,524	1,728	15,353	1,441	2,385	25,343
WA	6,500	1,184	551	7,590	17,985	6,298	2,504	42,612
WV	644	80	662	524	11,916	680	909	15,415
WI	8,148	1,151	1,086	1,896	15,257	2,242	5,008	34,761
WY	1,984	351	721	44,905	5,766	6,296	2,124	62,147
US	337,553	55,684	66,807	591,176	648,046	280,763	283,225	2,263,254

¹Cropland harvested, crop failure, and cultivated summer fallow. ²Grassland and other nonforest pasture and range. ³Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. ⁴Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes. ⁵Miscellaneous areas such as marshes, open swamps, bare rock areas, and deserts, including urban and other special uses not inventoried. ⁶Approximate land area as established by the Bureau of the Census in conjunction with the 1990 Census of Population.

ERS, Resource Economics Division, (202) 694-5528. Estimates based on reports and records of the U.S. Departments of Agriculture and Commerce, and public land administering and conservation agencies. Estimates developed for years coinciding with a Census of Agriculture.

Table 9-11.—Land in farms: ¹ Irrigated land, by States, 1959–97

State	1959	1964	1969	1974	1978 ²	1982	1987	1992	1997
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
AL	17	12	11	14	59	66	84	82	77
AK		(³)	1	1	1	1	2	2	3
AZ	1,152	1,125	1,178	1,153	1,196	1,098	914	956	1,014
AR	712	974	1,010	949	1,683	2,022	2,406	2,702	3,717
CA	7,396	7,599	7,240	7,749	8,506	8,461	7,596	7,571	8,713
CO	2,685	2,690	2,895	2,874	3,431	3,201	3,014	3,170	3,430
CT	5	14	9	7	7	7	7	6	7
DE	16	18	20	20	34	44	61	62	73
FL	414	1,217	1,365	1,559	1,980	1,585	1,623	1,783	1,862
GA	34	64	79	112	463	575	640	725	749
HI	141	144	146	142	159	146	149	134	77
ID	2,577	2,802	2,761	2,859	3,475	3,450	3,219	3,260	3,494
IL	10	14	51	54	130	166	208	328	350
IN	17	17	34	33	75	132	170	241	250
IA	18	22	21	39	101	91	92	116	125
KS	762	1,004	1,522	2,010	2,686	2,675	2,463	2,680	2,707
KY	9	14	20	11	14	23	38	28	58
LA	485	581	702	702	681	694	647	898	943
ME	2	4	6	6	7	6	6	10	22
MD	11	16	22	23	28	39	51	57	69
MA	20	24	19	19	17	17	20	20	25
MI	40	49	77	97	226	286	315	366	393
MN	15	18	36	78	272	315	354	370	380
MS	100	123	150	162	309	431	637	883	1,076
MO	30	59	156	150	320	403	535	709	882
MT	1,875	1,893	1,841	1,759	2,070	2,023	1,997	1,978	1,994
NE	2,078	2,169	2,857	3,967	5,683	6,039	5,682	6,312	6,939
NV	543	825	753	778	881	830	779	556	765
NH	1	3	2	2	2	1	3	2	3
NJ	74	96	72	89	77	83	91	80	93
NM	732	813	823	867	891	807	718	738	805
NY	58	79	55	55	56	52	51	47	69
NC	66	97	59	51	90	81	138	113	156
ND	48	51	63	71	141	163	168	187	180
OH	12	17	22	22	25	28	32	29	34
OK	198	302	524	515	602	492	478	512	506
OR	1,384	1,608	1,519	1,561	1,881	1,808	1,648	1,622	1,949
PA	17	23	19	18	15	18	30	23	36
RI	(³)	1	2	2	3	2	4	3	3
SC	25	19	15	10	32	81	81	76	86
SD	116	130	148	152	335	376	362	371	344
TN	11	11	12	10	13	18	38	37	46
TX	5,656	6,385	6,888	6,594	6,947	5,576	4,271	4,912	5,425
UT	1,062	1,092	1,025	970	1,169	1,082	1,161	1,143	1,212
VT	2	2	(³)	1	1	1	2	2	3
VA	31	51	37	28	42	43	79	62	85
WA	1,007	1,150	1,224	1,309	1,639	1,638	1,519	1,641	1,705
WV	1	2	3	2	1	1	3	3	3
WI	32	62	106	128	235	259	285	331	342
WY	1,470	1,571	1,523	1,460	1,662	1,565	1,518	1,465	1,719
US	33,164	37,057	39,122	41,243	50,350	49,002	46,386	49,404	55,058
PR	76	89	91	70	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
VI	(³)	(³)	(³)	(³)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total	33,240	37,145	39,213	41,313	50,350	49,002	46,386	49,404	55,058

¹Data may not add because of rounding. ²Data for 1978 not directly comparable with earlier censuses as it includes estimates from the direct enumeration sample for farms not represented on the mail list. ³Less than 500 acres. ⁴Not available.

ERS, Resource Economics Division, (202) 694-5528. Data from the Census of Agriculture, U.S. Department of Commerce.

Table 9-12.—Farm real estate: Value of farmland and buildings, by States, 1993–97¹

State	Total value of land and buildings				
	Jan. 1, 1993	Jan. 1, 1994	Jan. 1, 1995	Jan. 1, 1996	Jan. 1, 1997
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
AL	10,000	11,393	12,872	13,593	14,356
AZ	11,218	11,505	12,284	14,125	14,868
AR	13,464	13,998	14,745	14,835	14,948
CA	66,390	66,169	66,450	72,120	75,300
CO	13,973	15,663	17,004	18,135	19,175
CT	2,384	2,533	2,495	2,588	2,850
DE	1,280	1,431	1,533	1,642	1,791
FL	20,981	22,300	22,856	23,752	23,690
GA	13,685	13,963	15,072	16,024	16,874
ID	9,207	10,449	11,286	12,218	12,960
IL	43,499	47,601	52,350	57,998	61,880
IN	22,320	24,064	26,299	28,636	31,323
IA	40,360	42,529	44,787	47,874	52,124
KS	22,131	24,043	25,573	26,433	27,485
KY	15,186	16,018	17,500	19,278	20,155
LA	8,359	8,400	9,197	10,231	10,455
ME	1,582	1,676	1,681	1,730	1,742
MD	6,404	7,282	8,155	8,035	8,400
MA	2,988	3,203	3,077	3,190	3,534
MI	12,102	12,990	14,220	15,582	16,800
MN	27,027	27,146	27,893	29,085	30,992
MS	9,946	10,701	11,518	11,554	11,875
MO	23,375	24,833	26,400	28,440	30,199
MT	13,575	15,164	16,537	17,253	18,178
NE	24,209	26,470	28,012	29,704	31,960
NV	2,243	2,358	2,543	2,922	3,080
NH	993	1,082	1,094	1,109	1,118
NJ	6,040	6,370	6,844	6,864	6,881
NM	8,575	9,194	9,900	11,275	12,180
NY	10,020	10,926	10,626	10,264	10,703
NC	14,786	14,964	16,091	18,124	18,450
ND	13,534	14,261	15,032	15,435	16,482
OH	22,131	24,214	27,360	30,034	31,861
OK	16,864	17,578	18,598	18,598	19,380
OR	11,603	13,073	14,770	16,240	17,500
PA	16,242	17,527	18,010	19,289	20,251
RI	397	433	438	454	498
SC	5,856	6,140	6,752	6,815	7,000
SD	12,067	12,641	13,288	13,640	14,300
TN	15,065	15,000	16,032	18,007	19,470
TX	64,870	67,338	70,950	73,530	77,400
UT	5,499	5,961	6,727	7,667	8,250
VT	1,919	2,048	2,026	2,071	2,093
VA	14,070	14,534	15,231	16,555	17,255
WA	14,272	16,195	16,827	17,537	19,311
WV	3,141	3,215	3,367	3,571	3,700
WI	15,818	16,359	17,999	19,740	21,000
WY	5,501	6,228	6,643	7,128	7,612
48 States	717,147	759,162	806,914	860,922	909,688

¹Total value of land and buildings is derived by multiplying average value per acre of farm real estate by the land in farms.

NASS, Livestock and Economics Branch, (202) 720-3570.

Table 9-13.—Land utilization, United States, selected years, 1940–92

Major land uses	1940	1950	1959	1969	1978	1982	1987	1992
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>
Cropland used for crops ¹	368	377	359	333	369	383	331	337
Idle cropland	31	32	33	51	26	21	68	56
Cropland used only for pasture	68	69	66	88	76	65	65	67
Grassland pasture ²	650	631	633	604	587	597	591	591
Forest land ³	608	601	728	723	703	655	648	648
Special uses ⁴ .....	.....	.....	147	174	203	320	335	340
Other land	179	194	305	291	301	224	227	224
Total land area ⁵	1,904	1,904	2,271	2,264	2,265	2,265	2,265	2,263

¹ Cropland harvested, crop failure, and cultivated summer fallow. ² Grassland and other nonforest pasture and range. ³ Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. ⁴ Includes urban and transportation areas. Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads and farm roads and lanes. ⁵ Remeasurement and increases in reservoirs account for changes in total land areas except for the major increase in 1959 when data for Alaska and Hawaii were added.

ERS, Resource Economics Division, (202)694-5528. Estimates based on reports and records of the U.S. Department of Agriculture and Commerce, and public land administering and conservation agencies.

Table 9-14.—Farm real estate: Average value per acre of land and buildings, by State, Mar. 1, 1970, and Jan. 1, 1993–97¹

State	Mar. 1, 1970	Jan. 1, 1993	Jan. 1, 1994	Jan. 1, 1995	Jan. 1, 1996	Jan. 1, 1997
	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>
AL	200	1,000	1,117	1,262	1,387	1,480
AZ	70	316	325	347	399	420
AR	260	880	927	983	989	1,010
CA	479	2,213	2,213	2,215	2,404	2,510
CO	95	426	479	520	558	590
CT	921	5,959	6,495	6,567	6,810	7,500
DE	499	2,246	2,511	2,689	2,907	3,170
FL	355	2,037	2,165	2,219	2,306	2,300
GA	234	1,131	1,154	1,256	1,358	1,430
ID	177	682	774	836	905	960
IL	490	1,548	1,694	1,863	2,064	2,210
IN	406	1,395	1,504	1,654	1,801	1,970
IA	392	1,212	1,281	1,349	1,442	1,570
KS	159	463	503	535	553	575
KY	253	1,077	1,136	1,250	1,377	1,450
LA	321	972	1,000	1,082	1,176	1,230
ME	161	1,130	1,232	1,245	1,291	1,300
MD	640	2,911	3,310	3,707	3,826	4,000
MA	565	4,898	5,339	5,398	5,597	6,200
MI	326	1,131	1,214	1,329	1,470	1,600
MN	226	910	914	936	976	1,040
MS	234	777	836	886	917	950
MO	224	774	825	880	948	1,010
MT	60	227	254	277	289	305
NE	154	514	562	596	632	680
NV	53	252	268	289	332	350
NH	239	2,256	2,459	2,486	2,578	2,600
NJ	1,092	6,942	7,407	8,052	8,172	8,290
NM	42	194	208	225	258	280
NY	273	1,237	1,383	1,380	1,333	1,390
NC	333	1,573	1,609	1,749	1,970	2,050
ND	94	335	353	373	383	410
OH	399	1,456	1,593	1,800	1,989	2,110
OK	173	496	517	547	547	570
OR	150	663	747	844	928	1,000
PA	373	2,056	2,247	2,339	2,505	2,630
RI	734	6,304	6,871	6,947	7,204	7,900
SC	261	1,137	1,204	1,337	1,363	1,400
SD	84	273	286	302	310	325
TN	268	1,245	1,250	1,336	1,526	1,650
TX	148	499	522	550	570	600
UT	92	491	537	606	697	750
VT	224	1,342	1,463	1,479	1,534	1,550
VA	286	1,636	1,690	1,771	1,925	2,030
WA	224	892	1,025	1,065	1,117	1,230
WV	136	849	869	910	965	1,000
WI	232	925	968	1,065	1,175	1,250
WY	41	159	180	192	206	220
48 States	196	736	782	832	890	942

¹ Estimates for 1996 and prior years previously published by the Economic Research Service, USDA. NASS, Livestock and Economic Branch, (202) 720-3570.

Table 9-15.—Cash rents, cropland and pasture: By States, 1997-98

State	1997				1998			
	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
AL	35.00			16.50	36.00			15.50
AZ		112.00				134.00		
AR		73.00	53.00			80.00	55.00	
CA		218.00				235.00		18.00
CO						86.00	22.60	5.00
CT								
DE	60.00				58.00			
FL			31.00	15.50			30.00	17.50
GA		71.00	36.80	21.70		88.60	37.40	20.60
ID		109.00	44.10			110.00	45.00	
IL	109.00			35.00	111.00			42.00
IN	97.30				98.00			
IA	110.00			31.10	113.00			35.00
KS		69.00	34.50	11.60		67.00	35.50	13.00
KY	70.00				65.00			
LA		70.60	48.00	13.00		60.00	49.00	16.00
ME					55.00			
MD	51.30							
MA					60.00			
MI	57.30							
MN	75.60			16.00	77.40			16.00
MS		71.20	49.00	16.40		67.30	47.90	14.50
MO			56.00	19.00			56.00	18.00
MT			17.00	5.00		51.80	16.50	4.00
NE		116.00	63.40	10.40		117.00	65.70	10.70
NV								
NH								
NJ	47.10				50.60			
NM				1.30				1.50
NY	29.20			15.20	35.00			
NC	42.00			23.00	43.00			23.00
ND	35.00			9.00	35.00			9.50
OH	72.50				73.20			
OK			26.60	8.10			25.60	7.80
OR		110.00	64.00			110.00	66.00	
PA	41.00			37.60	40.00			37.00
RI								
SC	24.00				23.00			
SD			35.00	9.20			36.50	9.70
TN	43.00			16.00	33.60			18.00
TX		50.00	17.50	5.60		51.00	20.00	6.60
UT		60.00				60.00		10.00
VT								
VA	36.50			16.00	35.00			15.50
WA		144.00				147.00		
WV	32.00				31.00			
WI	55.00			30.00	60.00			34.00
WY								

NASS, Livestock and Economics Branch, (202) 720-3570.

Table 9-16.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1988–97

Item	1988 ¹	1989	1990	1991	1992
ASSETS					
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate	582.7	600.8	620.0	625.5	642.8
Non-real estate:					
Livestock ²	62.2	66.2	70.9	68.1	71.0
Machinery and motor vehicles	81.0	84.1	86.3	85.9	85.4
Crops stored on and off farms ³	23.6	23.9	23.2	22.2	24.2
Purchased inputs	3.5	2.6	2.8	2.6	3.9
Financial assets:					
Investments in cooperatives	25.1	26.3	27.5	28.6	29.5
Other ⁴	10.3	10.5	10.8	11.9	13.6
Total⁵	788.4	814.4	841.5	844.9	870.3
CLAIMS					
Liabilities:					
Real estate debt	77.8	76.0	74.7	74.9	75.4
Non-real estate debt to—					
Reporting institutions ⁶	50.0	49.6	50.5	51.3	50.4
Nonreporting creditors ⁷	11.7	12.2	12.7	13.0	13.2
Total liabilities⁵	139.6	137.9	138.0	139.2	139.1
Proprietors' equity	648.8	676.6	703.5	705.7	731.3
Total⁵	788.4	814.4	841.5	844.9	870.3
ASSETS					
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate	673.7	706.9	755.7	799.5	849.2
Non-real estate:					
Livestock ²	72.8	67.9	57.8	60.5	66.8
Machinery and motor vehicles	86.5	87.5	88.5	88.9	88.1
Crops stored on and off farms ³	23.3	23.3	27.4	31.7	29.9
Purchased inputs	3.8	5.0	3.4	4.4	5.1
Financial assets:					
Investments in cooperatives	30.6	30.7	31.4	31.3	31.7
Other ⁴	15.7	16.9	17.7	17.8	18.0
Total⁵	906.4	938.3	981.9	1033.9	1088.8
CLAIMS					
Liabilities:					
Real estate debt	76.0	77.7	79.3	81.7	85.4
Non-real estate debt to—					
Reporting institutions ⁶	51.7	53.9	55.3	57.0	61.2
Nonreporting creditors ⁷	14.2	15.2	16.2	17.4	18.8
Total liabilities⁵	142.0	146.8	150.8	156.1	165.4
Proprietors' equity	764.4	791.5	831.1	877.8	923.4
Total⁵	906.4	938.3	981.9	1033.9	1088.8

¹Beginning with 1983, data are for farms included in new farm definition, that is assets and debts on places with sales less than \$1,000 annually are excluded. ²Horses and mules are excluded. ³Excludes all crops held on farms including crops under loan to Commodity Credit Corporation, and crops held off farms as security for CCC loans. ⁴Includes farm share of currency and demand deposits. ⁵Total of rounded data. ⁶Loans of all operating banks, the Farm Credit System, and direct loans of the Farm Service Agency. ⁷Loans and credits extended by dealers, merchants, finance companies, individuals, and others. ⁸Preliminary.

Table 9-17.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions, 1998^{1 2}

State and region ³	Workers on farms		Farm wage rates			
	Hired	Type of worker				All hired workers ⁴
		Field	Livestock	Field and live- stock		
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	
<i>Jan. 11–17, 1998</i>						
Northeast I	32	8.60	6.22	6.96	7.54	
Northeast II	20	7.45	6.08	6.80	7.51	
Appalachian I	20	6.50	6.66	6.57	6.97	
Appalachian II	23	6.44	5.71	6.10	6.33	
Southeast	31	7.13	6.09	6.70	7.21	
FL	51	7.45	8.00	7.49	8.22	
Lake	41	7.74	7.16	7.35	8.32	
Cornbelt I	32	7.51	7.62	7.57	8.31	
Cornbelt II	26	6.82	6.43	6.50	7.08	
Delta	27	6.94	6.30	6.70	7.21	
N. Plains	33	8.34	7.38	7.65	8.22	
S. Plains	52	6.59	6.65	6.61	7.04	
Mountain I	19	6.53	6.80	6.74	7.26	
Mountain II	14	7.22	6.89	7.00	7.65	
Mountain III	17	6.63	6.61	6.63	7.34	
Pacific	36	7.67	8.16	7.81	8.86	
CA	180	6.62	8.36	6.85	7.38	
HI	7	8.88	(⁵)	8.84	10.24	
US (49 States)	661	6.99	6.97	6.98	7.61	
<i>Apr. 12–18, 1998</i>						
Northeast I	37	8.01	6.09	7.29	7.55	
Northeast II	29	7.05	6.29	6.88	7.44	
Appalachian I	26	6.51	6.96	6.65	7.02	
Appalachian II	28	6.47	6.09	6.35	6.53	
Southeast	35	6.20	6.26	6.21	6.48	
FL	57	6.75	7.20	6.78	7.57	
Lake	59	7.39	7.43	7.41	8.06	
Cornbelt I	47	7.39	8.13	7.62	8.14	
Cornbelt II	32	7.49	7.23	7.37	7.64	
Delta	31	5.87	6.74	6.04	6.30	
N. Plains	41	7.55	6.62	7.15	7.63	
S. Plains	58	6.20	6.29	6.25	6.72	
Mountain I	20	6.51	5.92	6.21	6.46	
Mountain II	19	6.80	7.14	6.97	7.43	
Mountain III	19	6.32	6.52	6.36	7.02	
Pacific	64	7.00	8.49	7.21	7.89	
CA	194	7.30	8.08	7.39	7.87	
HI	7	9.06	(⁵)	8.95	10.43	
US (49 States)	803	7.00	6.99	7.00	7.49	

See footnotes at end of table.

Table 9-17.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions^{1 2}, 1998—Continued

State and region ³	Workers on farms		Farm wage rates			
	Hired	Type of worker				All hired workers ⁴
		Field	Livestock	Field and live-stock		
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 12–18, 1998</i>						
Northeast I	48	7.27	6.80	7.12	7.59	7.59
Northeast II	47	6.95	6.20	6.75	7.22	7.22
Appalachian I	66	6.24	7.12	6.34	6.70	6.70
Appalachian II	38	6.07	6.54	6.24	6.59	6.59
Southeast	45	6.02	5.82	5.99	6.22	6.22
FL	45	7.25	6.90	7.21	8.08	8.08
Lake	72	6.95	6.41	6.77	7.01	7.01
Cornbelt I	50	7.45	7.52	7.47	7.84	7.84
Cornbelt II	28	6.61	7.62	7.02	7.52	7.52
Delta	40	6.20	6.83	6.36	6.75	6.75
No. Plains	45	6.73	6.51	6.69	7.08	7.08
So. Plains	63	5.98	5.98	5.98	6.32	6.32
Mountain I	31	6.05	6.47	6.13	6.26	6.26
Mountain II	30	6.13	7.08	6.39	6.95	6.95
Mountain III	22	6.11	6.74	6.22	6.65	6.65
Pacific	95	6.77	8.70	6.91	7.27	7.27
CA	298	7.10	8.05	7.19	7.72	7.72
HI	8	8.82	(⁵)	8.91	10.30	10.30
US (49 States)	1,071	6.78	6.91	6.80	7.24	7.24
<i>October 11–17, 1998</i>						
Northeast I	43	7.52	6.90	7.32	7.82	7.82
Northeast II	32	7.11	6.74	6.98	7.59	7.59
Appalachian I	44	6.60	7.38	6.73	7.08	7.08
Appalachian II	27	6.23	6.92	6.40	6.73	6.73
Southeast	38	6.46	6.45	6.46	6.63	6.63
FL	47	7.10	7.30	7.13	7.82	7.82
Lake	59	8.23	7.40	7.99	8.45	8.45
Cornbelt I	53	7.43	7.76	7.49	7.90	7.90
Cornbelt II	28	7.23	8.20	7.56	8.03	8.03
Delta	40	5.85	7.07	6.05	6.48	6.48
No. Plains	33	7.65	6.03	7.24	7.57	7.57
So. Plains	53	6.14	6.58	6.28	6.77	6.77
Mountain I	33	6.89	6.72	6.85	7.03	7.03
Mountain II	23	6.37	7.33	6.82	7.32	7.32
Mountain III	25	6.55	6.33	6.52	7.00	7.00
Pacific	85	7.76	8.76	7.86	8.25	8.25
CA	312	7.29	7.99	7.34	7.75	7.75
HI	8	9.20	(⁵)	9.17	10.65	10.65
US (49 States)	983	7.15	7.28	7.17	7.60	7.60

¹ Excludes agricultural service workers. ² Includes all persons doing work for pay during the survey week. ³ Regions consist of the following: Northeast I: CT, ME, MA, NH, NY, RI, VT; Northeast II: DE, MD, NJ, PA; Appalachian I: NC, VA; Appalachian II: KY, TN, WV; Southeast: AL, GA, SC; Lake: MI, MN, WI; Cornbelt I: IL, IN, OH; Cornbelt II: IA, MO; Delta: AR, LA, MS; No. Plains: KS, NE, ND, SD; So. Plains: OK, TX; Mountain I: ID, MT, WY; Mountain II: CO, NV, UT; Mountain III: AZ, NM; Pacific: OR, WA. ⁴ Includes field, livestock, supervisors, and other workers doing work for pay during the survey week. ⁵ Insufficient data.

Table 9-18.—Farm labor: Number of workers on farms and average wage rates, United States, 1989–99¹

Year	Total workers	Self-employed and unpaid workers ²	Ag service workers ³	Hired workers ^{3 4}	Hired workers ^{3 4}
	Number	Number	Number	Number	Wage rates
1989.					
Jan	2,474	1,621	152	701	5.51
Apr	2,805	1,777	198	830	5.35
July	3,799	2,251	351	1,197	5.23
Oct	3,384	2,093	308	983	5.42
1990.					
Jan	2,590	1,752	143	695	5.70
Apr	2,964	1,928	203	833	5.54
July	3,691	2,229	356	1,106	5.30
Oct	3,318	2,087	296	935	5.64
1991.					
Jan	2,614	1,740	168	706	6.00
Apr	2,949	1,917	206	826	5.81
July	3,691	2,205	373	1,113	5.57
Oct	3,289	2,006	287	996	5.88
1992.					
Jan	2,572	1,746	123	703	6.37
Apr	2,874	1,832	205	837	6.05
July	3,557	2,140	385	1,032	5.82
Oct	3,245	2,058	295	892	6.09
1993.					
Jan	2,505	1,737	157	611	6.40
Apr	2,884	1,832	224	828	6.37
July	3,583	2,163	358	1,062	6.07
Oct	3,249	2,038	283	928	6.26
1994.					
Jan	2,480	1,703	140	637	6.54
Apr	2,919	1,876	240	803	6.42
July	3,510	2,129	341	1,040	6.21
Oct	3,165	2,006	279	880	6.46
1995.					
Jan	2,460	1,691	140	629	6.73
Apr	2,857	1,821	214	822	6.49
July	3,672	2,258	348	1,066	6.44
Oct	3,383	2,127	302	954	6.58
Annual average		1,967.1	(⁵)	868.5	6.54
1996.					
Jan	2,462	1,749	115	598	6.89
Apr	2,906	1,919	207	780	6.76
July	(⁶)	(⁶)	331	1,015	6.55
Oct	(⁶)	(⁶)	291	935	6.97
Annual average		2,010	(⁵)	832	6.78
1997.					
Jan	(⁶)	(⁶)	131	624	7.20
Apr	(⁶)	(⁶)	207	808	7.03
July	(⁶)	(⁶)	340	1,069	6.88
Oct	(⁶)	(⁶)	283	1,004	7.31
Annual average		1,989.9	(⁵)	876.5	7.35
1998.					
Jan	(⁶)	(⁶)	141	661	7.61
Apr	(⁶)	(⁶)	202	803	7.49
July	(⁶)	(⁶)	379	1071	7.24
Oct	(⁶)	(⁶)	263	983	7.60
Annual average		1,947	(⁵)	880	7.47
1999.					
Jan	(⁶)	(⁶)	155	689	7.90

¹ Beginning in July 1984, three surveys a year were conducted in the 48 contiguous States and Hawaii. In 1989, January was added to the survey program. Data are obtained from establishments for the week that includes the 12th. ² Includes farm operators and partners doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during the survey week without cash wages. ³ Includes all persons doing farm work for pay during the survey week. ⁴ Excludes agricultural service workers. ⁵ Annual average not computed. ⁶ Discontinued.

NASS, Livestock and Economics Branch, (202) 720-3570.

Table 9-19.—Hired farmworkers: Number of Workers and Median Weekly Earnings, 1995–97^{1 2}

Characteristics	Workers			Median Weekly Earnings ³		
	1995 ⁴	1996 ⁴	1997	1995	1996	1997
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All workers	849	906	889	247	250	250
15–19 years old	124	155	141	120	100	110
20–24 years old	132	98	131	250	225	240
25–34 years old	227	218	216	250	284	280
35–44 years old	148	199	190	269	280	280
45–54 years old	118	123	114	260	260	276
55 years old and older	100	113	96	227	241	260
Male	718	763	741	248	250	260
Female	131	143	148	200	188	204
White ⁵	455	534	465	231	248	240
Black and other races ⁵	45	46	59	204	220	250
Hispanic	349	326	365	245	250	252
Schooling completed ⁶						
Less than 5th grade	121	119	109	230	250	254
5th–8th grade	191	181	196	231	240	240
9th–12th grade (no diploma)	193	219	220	200	200	200
High school diploma	220	230	198	280	275	277
Beyond high school	125	157	165	300	320	315
Full-time (35 or more hours per week)	694	703	725	260	280	277
Part-time (less than 35 hours per week)	155	203	164	95	100	100

¹Represents average number of persons 15 years old and over in the civilian noninstitutional population who were employed per week as hired farmworkers. Based on the Current Population Survey microdata earnings file. ²Data for 1994 and 1995 are not directly comparable with data for 1993 and earlier years because of survey redesign. ³“Median weekly earnings” is the value that divides the earnings into two equal parts, one part having earnings above the median and the other part having earnings below the median. “Earnings” refers to the weekly earnings the farmworker usually earns at a farmwork job, before deductions, and includes any overtime pay or commissions. ⁴Revised. ⁵Excludes persons of Hispanic origin. ⁶Educational attainment levels, prior to January 1992, reflected years of schooling completed rather than degrees or diplomas received.

ERS, Food Assistance, Poverty, and Well Being Branch, (202) 694–5438.

Table 9-20.—Crops: Area, United States, 1989–98

Year	Principal crops				Commercial vegetables, harvested area ⁴	Fruits and planted nuts, bearing area ⁵
	Area harvested			Area planted total ³		
	Feed grains ¹	Food grains ²	Total ³			
	<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>
1989	91,081	65,360	304,574	331,152	2,624.5	3,506.9
1990	89,517	72,301	307,768	326,337	2,671.5	3,504.7
1991	91,921	60,979	303,352	325,362	2,643.8	3,486.4
1992	95,908	66,284	306,652	326,453	3,323.2	3,586.6
1993	82,405	65,926	295,503	319,518	3,260.2	3,677.0
1994	92,071	65,493	307,905	323,699	3,531.9	3,748.4
1995	82,694	64,433	301,349	318,289	3,432.3	3,825.6
1996	93,817	65,968	313,202	333,682	3,371.8	3,919.2
1997	90,840	66,259	317,662	332,072	3,272.7	4,003.7
1998	88,959	62,737	310,847	329,323	3,299.8	3,954.1

¹Corn for grain, oats, barley, and sorghum for grain. ²Wheat, rye, and rice. ³Crops included in area planted and area harvested are corn, sorghum, oats, barley, winter wheat, rye, durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, potatoes, and sugarbeets. Harvested acreage for all hay, tobacco, and sugarcane are used in computing total area planted. ⁴Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested. ⁵Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, limes, tangelos, and K-Early Citrus (area is for the year of harvest); deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit, olives, avocados, papayas, dates, persimmons, pineapples and pomegranates; nuts—walnuts, almonds, filberts, macadamias, and pistachios.

NASS, Crops Branch, (202) 720–2127.

Table 9-21.—Crops: Area, yield, production, and value, United States, 1996–98¹

Crop	Area harvested ²			Unit	Yield per harvested acre ³		
	1996	1997	1998 ⁴		1996	1997	1998 ⁴
	1,000 acres	1,000 acres	1,000 acres				
Grains & Hay:							
Barley ⁵	6,707.0	6,198.0	5,867.0	Bushel	58.5	58.1	60.1
Corn for Grain	72,644.0	72,671.0	72,604.0	Bushel	127.1	126.7	134.4
Corn for Silage	560.0	6,054.0	5,919.0	Ton	15.4	16.1	16.0
Hay, All	61,169.0	61,084.0	60,016.0	Ton	2.45	2.50	2.52
Alfalfa	24,206.0	23,551.0	23,642.0	Ton	3.27	3.33	3.47
All Other	36,963.0	37,533.0	36,374.0	Ton	1.91	1.97	1.91
Oats ⁵	2,655.0	2,813.0	2,765.0	Bushel	57.7	59.5	60.4
Rice	2,804.0	3,103.0	3,317.0	Pound	6,120	5,897	5,669
Rye ⁵	345.0	316.0	418.0	Bushel	25.9	25.7	28.2
Sorghum for Grain	11,811.0	9,158.0	7,723.0	Bushel	67.3	69.2	67.3
Sorghum for Silage	423.0	412.0	305.0	Ton	11.8	13.1	11.4
Wheat, All ⁵	62,819.0	62,840.0	59,002.0	Bushel	36.3	39.5	43.2
Winter ⁵	39,574.0	41,340.0	40,126.0	Bushel	37.1	44.6	46.9
Durum ⁵	3,556.0	3,177.0	3,728.0	Bushel	32.6	27.6	37.8
Other Spring ⁵	19,689.0	18,323.0	15,148.0	Bushel	35.1	29.9	34.9
Oilseeds:							
Canola	347.0	631.0	1,092.0	Pound	1,385	1,237	1,455
Cottonseed .....	.....	.....	.....	Ton .....	.....	.....	.....
Flaxseed	92.0	146.0	329.0	Bushel	17.4	16.6	20.4
Mustard Seed	18.6	74.7	95.6	Pound	785	793	855
Peanuts	1,380.0	1,413.8	1,465.5	Pound	2,653	2,503	2,683
Rapeseed	2.2	1.4	4.7	Pound	1,470	1,243	1,353.0
Safflower	210.0	215.0	285.0	Pound	1,892	1,822	1,446.0
Soybeans for Beans	63,349.0	69,110.0	70,811.0	Bushel	37.6	38.9	38.9
Sunflower	2,479.0	2,792.0	3,476.0	Pound	1,436	1,317	1,509
Cotton, Tobacco & Sugar Crops:							
Cotton, All	12,888.1	13,406.0	10,722.5	Pound	705	673	618
Upland	12,632.2	13,157.0	10,486.0	Pound	700	666	612
Amer-Pima	255.9	249.0	236.5	Pound	991	1,056	873
Sugarbeets	1,323.3	1,428.3	1,451.6	Ton	20.2	20.9	22.5
Sugarcane	888.9	914.0	949.5	Ton	33.1	34.7	35.5
Tobacco	733.1	836.2	726.9	Pound	2,072	2,137	2,104
Dry Beans, Peas & Lentils:							
Austrian Winter Peas	7.3	7.6	7.4	Pound	1,411	1,513	1,405
Dry Edible Beans	1,750.7	1,758.8	1,913.9	Pound	1,594	1,670	1,611
Dry Edible Peas	204.9	281.6	309.1	Pound	1,304	2,043	1,920
Lentils	140.0	183.0	158.5	Pound	952	1,315	1,223
Wrinkled Seed Peas	NA	NA	NA	NA	NA	NA	NA
Potatoes & Misc.:							
Coffee (HI)	5.4	5.8	6.1	Pound	1,190	1,620	1,480
Ginger Root (HI)	0.2	0.3	0.4	Pound	47,000	44,000	50,000
Hops	44.2	43.3	36.6	Pound	1,698	1,729	1,625
Peppermint Oil	132.0	135.6	124.0	Pound	72	74	78
Potatoes, All	1,425.9	1,353.6	1,394.4	Cwt	350	345	343
Winter	14.5	16.0	15.0	Cwt	226	214	199
Spring	90.0	87.5	90.6	Cwt	249	255	233
Summer	73.2	65.0	68.8	Cwt	262	280	280
Fall	1,248.2	1,185.1	1,220.0	Cwt	364	357	356
Spearmint Oil	23.1	25.5	27.4	Pound	94	96	109
Sweet Potatoes	83.7	82.1	83.8	Cwt	158	162	142
Taro (HI)	0.5	0.5	0.5	Pound ....	.....	.....	.....
Apples, commercial crop ⁶	467,550	467,950	467,700	Ton	11.10	11.00	11.70
Apricots ⁶	21,580	21,400	20,880	Ton	3.67	6.51	5.67
Avocados ⁶ ^a	65,800	66,050	NA	Ton	2.90	2.70	NA
Bananas ⁶	960	950	1,100	Ton	6.77	7.26	9.09
Berries ⁶	57,280	60,790	61,090	Ton	2.04	2.58	2.40
Cherries, sweet ⁶	54,780	56,640	57,290	Ton	2.81	3.99	3.66
Cherries, tart ⁶	42,550	40,330	40,320	Ton	3.19	3.63	4.33
Cranberries ⁶	34,000	35,700	36,700	Ton	6.87	7.70	7.34
Dates ⁶	4,680	4,800	4,900	Ton	4.91	4.38	4.53
Figs ⁶ ⁷	15,400	16,400	16,600	Ton	2.95	3.51	2.42
Grapes ⁶	808,830	835,270	865,270	Ton	6.87	8.73	6.47
Guava ⁶	750	730	NA	Ton	10.90	10.90	NA
Kiwifruit ⁶	5,700	5,300	5,300	Ton	5.53	6.60	6.53
Nectarines ⁶	35,000	36,000	36,500	Ton	7.06	7.33	6.30
Olives ⁶	33,700	35,300	35,300	Ton	4.93	2.95	2.55
Papayas ⁶	1,835	1,985	2,200	Ton	11.40	9.77	8.86
Peaches ⁶	164,335	157,750	159,340	Ton	6.40	8.32	7.61
Pears ⁶	68,700	66,880	66,180	Ton	11.90	15.60	14.00
Pineapples ⁶	20,000	19,900	21,000	Ton	NA	NA	NA
Plums (California) ⁶	42,600	42,000	42,000	Ton	5.35	5.86	4.45
Prunes, dried (California) ⁶	85,000	82,000	81,000	Ton	8.28	7.65	4.07
Prunes and plums, fresh basis (excluding California) ⁶	5,190	4,720	4,470	Ton	3.76	5.40	5.73
Strawberries ⁶	47,670	44,260	45,230	Ton	17.10	18.40	18.70

See footnotes at end of table.

**Table 9-21.—Crops: Area, yield, production, and value, United States, 1996–98¹—
Continued**

Crop	Production				Value of production		
	Unit	1996	1997	1998 ⁴	1996	1997	1998 ⁴
		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
Grains & Hay:							
Barley ⁵	Bushel	392,433	359,878	352,445	1,080,940	861,620	663,773
Corn for Grain	Bushel	9,232,557	9,206,832	9,761,085	25,149,013	22,351,507	19,092,590
Corn for Silage	Ton	86,581	97,192	94,525			
Hay, All	Ton	149,779	152,536	151,338	12,726,992	13,249,825	11,720,420
Alfalfa	Ton	79,139	78,535	82,010	7,800,171	8,099,822	7,043,824
All Other	Ton	70,640	74,001	69,328	4,926,821	5,150,003	4,676,596
Oats ⁵	Bushel	153,245	167,246	167,122	313,920	273,284	188,295
Rice	Cwt	171,599	182,992	188,051	1,690,270	1,756,136	1,617,954
Rye ⁵	Bushel	8,936	8,132	11,795	33,118	30,120	29,879
Sorghum for Grain	Bushel	795,274	633,545	519,933	1,986,316	1,408,909	952,514
Sorghum for Silage	Ton	4,976	5,385	3,487			
Wheat, All ⁵	Bushel	2,277,388	2,481,466	2,550,383	9,782,238	8,286,741	6,931,996
Winter ⁵	Bushel	1,469,618	1,845,528	1,880,605	6,396,217	5,948,655	4,774,374
Durum ⁵	Bushel	116,090	87,783	141,069	541,993	422,497	515,152
Other Spring ⁵	Bushel	691,680	548,155	528,709	2,844,028	1,915,589	1,642,470
Oilseeds:							
Canola	Pound	480,521	780,710	1,588,620	62,048	88,227	163,331
Cottonseed	Ton	7,144	6,935	5,182	914,564	835,371	661,876
Flaxseed	Bushel	1,602	2,420	6,708	10,197	14,046	34,082
Mustard Seed	Pound	14,601	59,273	81,750	2,460	9,402	11,140
Peanuts	Pound	3,661,205	3,539,380	3,931,275	1,029,774	1,002,703	1,008,488
Rapeseed	Pound	3,234	1,740	6,360	429	230	656
Safflower	Pound	397,415	391,790	412,085	71,964	60,491	58,309
Soybeans for Beans	Bushel	2,380,274	2,688,751	2,756,794	17,439,971	17,372,628	14,659,646
Sunflower	Pound	3,559,343	3,676,952	5,246,701	414,842	426,766	524,654
Cotton, Tobacco & Sugar Crops:							
Cotton, All	Bale	18,942.0	18,793.0	13,796.2	6,408,144	5,975,585	4,321,585
Upland	Bale	18,413.5	18,245.0	13,366.2	6,136,592	5,708,940	4,118,314
Amer-Pima	Bale	528.5	548.0	430.0	271,552	266,645	203,271
Sugarbeets	Ton	26,680	29,886	32,660	1,211,001	1,160,029	
Sugarcane	Ton	29,464	31,709	33,717	833,297	890,257	
Tobacco	Pound	1,518,704	1,787,399	1,529,647	2,853,739	3,217,176	2,808,636
Dry Beans, Peas & Lentils:							
Austrian Winter Peas	Pound	103	115	104	1,329	1,231	832
Dry Edible Beans	Pound	27,912	29,370	30,828	652,240	576,658	604,888
Dry Edible Peas	Pound	2,671	5,752	5,934	29,638	42,658	34,972
Lentils	Pound	1,333	2,406	1,938	22,758	31,351	19,938
Wrinkled Seed Peas	NA	548	682	674	8,877	10,743	9,535
Potatoes & Misc.:							
Coffee (HI)	Pound	6,400	9,400	9,000	20,800	28,200	27,000
Ginger Root (HI)	Pound	9,400	12,100	18,000	7,050	8,107	7,200
Hops	Pound	74,970.5	74,872.1	59,547.8	123,530	119,840	96,756
Peppermint Oil	Pound	9,446	9,971	9,727	128,778	128,846	112,528
Potatoes, All	Cwt	499,254	467,091	477,754	2,425,263	2,621,733	2,492,654
Spearmint Oil	Pound	2,167	2,441	2,987	26,094	29,128	32,648
Sweet Potatoes	Cwt	13,216	13,327	11,887	190,529	211,177	187,327
Taro (HI)	Pound	5,700	5,500	6,000	2,793	2,805	3,180
Apples, commercial crop	Ton	5,191.0	5,161.9	5,471.8	1,641,462	1,575,403	1,226,380
Apricots	Ton	79.3	139.2	118.3	35,171	43,072	35,274
Avocados ⁸	Ton	190.7	178.3	NA	272,784	277,754	
Bananas ¹¹	Ton	6.5	6.9	10.0	5,200	5,206	7,000
Berries	Ton	119.0	162.0	151.5	218,381	223,901	196,243
Cherries, sweet	Ton	154.1	225.8	209.7	223,022	278,511	225,626
Cherries, tart	Ton	135.9	146.5	174.4	41,747	44,911	
Cranberries	Ton	233.6	274.9	269.4	307,827	350,146	
Dates	Ton	23.0	21.0	22.2	25,070	23,100	25,086
Figs ⁷	Ton	45.5	57.5	40.2	12,894	15,209	9,687
Grapes	Ton	5,553.6	7,290.9	5,595.6	2,376,111	3,122,195	2,492,306
Guava ¹¹	Ton	8.2	8.0	NA	2,249	1,940	
Kiwifruit	Ton	31.5	35.0	34.6	13,157	16,483	
Nectarines	Ton	247.0	264.0	230.0	116,977	98,895	108,502
Olives	Ton	166.0	104.0	90.0	102,364	66,801	40,346
Papayas ¹¹	Ton	20.9	19.4	19.5	17,054	18,978	12,370
Peaches	Ton	1,052.3	1,312.3	1,212.9	389,894	444,137	442,939
Pears	Ton	820.6	1,042.5	926.2	308,367	287,822	276,688
Pineapples ¹¹	Ton	347.0	324.0	332.0	95,914	91,721	92,776
Plums (California)	Ton	228.0	246.0	187.0	95,831	76,825	98,858
Prunes, dried (California)	Ton	704.0	627.3	329.6	187,097	163,590	
Prunes and plums, fresh basis (excluding California)	Ton	19.5	25.5	25.6	8,272	6,481	7,707
Strawberries	Ton	813.0	814.4	844.3	768,943	903,350	1,027,929

See footnotes at end of table.

**Table 9-21.—Crops: Area, yield, production, and value, United States, 1996–98¹—
Continued**

Crop	Area harvested ²			Yield per harvested acre ³			
	1996	1997	1998 ⁴	Unit	1996	1997	1998 ⁴
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>				
Oranges ⁹	808,050	842,800	824,100	Box	327	347	389
Grapefruit ⁹	174,370	182,900	172,400	Box	380	384	372
Lemons ⁹	60,600	61,300	62,600	Box	431	411	393
Limes ⁹	2,000	2,100	2,700	Box	150	152	163
Tangerines ⁹	38,600	42,500	41,600	Box	210	222	197
Tangelos ⁹	12,700	13,300	12,200	Box	193	297	234
Temples ⁹	6,600	6,700	6,200	Box	326	358	363
K-Early Citrus ⁹	300	400	300	Box	533	375	133
Almonds	428,000	442,000	454,000	Ton	0.96	1.34	1.04
Hazelnuts (filberts)	28,600	29,000	29,530	Ton	0.66	1.62	0.52
Macadamia nuts	19,200	19,200	19,200	Ton	1.47	1.51	1.38
Pecans	NA	NA	NA	Ton	NA	NA	NA
Pistachios	64,300	65,400	65,900	Ton	0.82	1.38	1.43
Walnuts	192,000	193,000	193,000	Ton	1.08	1.39	1.14
Commercial Vegetables:							
Fresh Market							
Artichokes	8,900	9,300	10,700	Cwt	100	100	85
Asparagus ¹⁰	73,560	74,030	74,930	Cwt	27	27	27
Beans, lima	3,200	2,500	2,000	Cwt	29	30	20
Beans, snap	82,860	82,660	87,900	Cwt	48	46	55
Broccoli ¹⁰	133,500	130,800	133,000	Cwt	118	129	138
Brussel sprouts	3,800	3,200	3,200	Cwt	180	160	160
Cabbage	71,920	75,230	76,180	Cwt	318	336	318
Cantaloups	101,140	102,710	105,360	Cwt	213	203	215
Carrots ¹⁰	113,660	111,380	112,500	Cwt	292	347	334
Cauliflower ¹⁰	48,200	43,500	45,800	Cwt	153	158	156
Celery	27,840	26,910	27,200	Cwt	683	673	677
Corn, sweet	227,800	236,400	235,760	Cwt	102	100	105
Cucumbers	56,600	57,450	57,680	Cwt	174	201	199
Eggplant	3,100	3,300	3,200	Cwt	230	240	240
Escarole/endive	3,560	3,100	2,930	Cwt	172	179	198
Garlic	35,000	33,000	34,000	Cwt	175	170	145
Honeydew melons	27,300	26,600	26,700	Cwt	174	182	191
Lettuce, head	220,700	205,400	205,000	Cwt	285	370	320
Lettuce, leaf	41,330	48,610	49,920	Cwt	222	214	222
Lettuce, Romaine	32,800	34,350	40,450	Cwt	261	287	284
Onions	166,210	165,910	164,140	Cwt	386	414	397
Peppers, bell	66,100	56,200	56,780	Cwt	252	266	252
Spinach	17,800	22,700	23,000	Cwt	109	144	130
Tomatoes	120,640	115,190	114,510	Cwt	279	285	273
Watermelons	199,260	179,300	173,190	Cwt	214	223	213
Processing:							
Beans, lima	50,800	54,430	50,740	Ton	1.48	1.47	1.46
Beans, snap	207,050	195,080	191,000	Ton	3.79	3.74	3.71
Beets	10,210	7,560	6,690	Ton	12.33	16.36	15.77
Cabbage for sauerkraut	7,290	5,490	6,750	Ton	19.47	33.46	24.97
Carrots	25,720	22,360	23,780	Ton	22.96	25.47	23.10
Corn, sweet	474,200	465,800	467,300	Ton	6.95	7.18	6.96
Cucumbers for pickles	105,200	103,370	102,070	Ton	5.36	6.00	6.03
Peas, green	249,800	271,200	273,000	Ton	1.67	1.77	1.77
Spinach	15,610	14,320	12,700	Ton	9.22	8.92	8.68
Tomatoes	339,140	283,390	299,760	Ton	33.64	35.19	31.34

See footnotes at end of table.

Table 9-21.—Crops: Area, yield, production, and value, United States, 1996–98¹—Continued

Crop	Production				Value of production		
	Unit	1996	1997	1998 ⁴	1996	1997	1998 ⁴
		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
Oranges ^{9 12}	Box	263,890	292,620	320,525	1,821,579	1,834,089	2,000,075
Grapefruit ^{9 12}	Box	66,200	70,200	64,150	288,532	282,775	233,832
Lemons ^{9 12}	Box	26,100	25,200	24,600	261,281	302,410	243,056
Limes ^{9 12}	Box	300	320	440	3,914	3,816	4,410
Tangerines ^{9 12}	Box	8,100	9,450	8,200	110,573	119,185	96,389
Tangelos ^{9 12}	Box	2,450	3,950	2,850	15,100	18,759	11,486
Temples ^{9 12}	Box	2,150	2,400	2,250	14,024	12,541	11,004
K-Early Citrus ^{9 12}	Box	160	150	40	771	592	40
Almonds	Ton	412.0	593.9	469.3	1,018,368	1,160,640	898,200
Hazelnuts (filberts)	Ton	19.0	47.0	15.5	16,341	42,267	15,238
Macadamia nuts	Ton	28.3	29.0	26.5	44,070	43,500	35,510
Pecans	Ton	104.8	167.5	77.5	134,355	259,220	190,744
Pistachios	Ton	52.5	90.0	94.0	121,800	203,400	186,120
Walnuts	Ton	208.0	269.0	227.0	328,640	384,670	NA
Commercial Vegetables:							
Fresh Market							
Artichokes	Cwt	890	930	910	65,416	73,910	62,899
Asparagus ¹⁰	Cwt	1,989	2,026	2,046	156,623	182,390	210,672
Beans, lima	Cwt	93	75	40	2,883	2,475	1,280
Beans, snap	Cwt	3,964	3,805	4,842	166,559	154,414	233,551
Broccoli ¹⁰	Cwt	15,693	16,880	18,398	415,695	481,459	554,338
Brussel sprouts	Cwt	684	512	512	20,120	21,180	22,249
Cabbage	Cwt	22,900	25,267	24,196	228,972	273,032	312,769
Cantaloups	Cwt	21,572	20,840	22,626	393,333	374,110	419,559
Carrots ¹⁰	Cwt	33,236	38,589	37,549	443,863	497,202	461,423
Cauliflower ¹⁰	Cwt	7,354	6,889	7,167	237,342	217,534	245,629
Celery	Cwt	19,015	18,119	18,418	199,877	266,321	224,012
Corn, sweet	Cwt	23,127	23,641	24,798	390,737	418,617	436,828
Cucumbers	Cwt	9,836	11,571	11,488	186,590	204,674	223,839
Eggplant	Cwt	713	793	768	19,150	18,980	21,595
Escarole/endive	Cwt	612	556	580	13,377	13,235	18,176
Garlic	Cwt	6,125	5,610	4,930	196,333	268,776	171,621
Honeydew melons	Cwt	4,737	4,828	5,112	80,405	91,040	103,680
Lettuce, head	Cwt	62,677	75,094	65,525	912,586	1,324,119	994,483
Lettuce, leaf	Cwt	9,188	10,387	11,088	246,628	299,250	323,074
Lettuce, Romaine	Cwt	8,568	9,858	11,500	161,676	190,944	254,293
Onions	Cwt	64,106	68,769	65,131	604,789	728,772	830,976
Peppers, bell	Cwt	16,639	14,959	14,309	466,151	479,512	483,222
Spinach	Cwt	1,934	3,265	2,980	56,735	102,322	108,747
Tomatoes	Cwt	33,634	32,777	31,258	947,031	1,040,382	1,095,451
Watermelons	Cwt	42,724	39,923	36,889	270,179	305,017	284,525
Processing:							
Beans, lima	Ton	75,050	80,070	73,960	34,139	36,647	33,335
Beans, snap	Ton	784,920	729,250	707,770	139,755	128,032	119,840
Beets	Ton	125,870	123,700	105,530	8,092	8,245	6,467
Cabbage for sauerkraut	Ton	141,920	183,670	168,550	6,029	8,299	7,440
Carrots	Ton	590,460	569,450	549,280	39,526	38,396	37,537
Corn, sweet	Ton	3,296,330	3,342,330	3,250,730	258,840	250,329	239,385
Cucumbers for pickles	Ton	563,689	620,100	615,310	139,985	145,371	139,891
Peas, green	Ton	417,672	480,090	483,840	118,910	138,496	136,622
Spinach	Ton	143,850	127,690	110,190	14,465	13,347	14,144
Tomatoes	Ton	11,407,301	9,973,259	9,394,810	711,043	605,107	542,510

¹Hawaii is included in commercial vegetables and in area and production of sugarcane, but is excluded from other crops. ²Bearing acreage for citrus fruits. Nut acreage is actual acreage. ³Yield per bearing acre for noncitrus fruits. ⁴Preliminary. ⁵Includes area seeded in preceding fall. ⁶Actual acres. ⁷Fresh basis. ⁸Year of bloom. ⁹Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the year of harvest. ¹⁰For breakdown between fresh market and processing, see individual crop tables. ¹¹Utilized production. ¹²Equivalent packinghouse-door returns. NA-not available.

Table 9-22.—Farm production and output: Index numbers of total output, and gross production of livestock and crops, by groups, United States, 1987–96
[1992=100]

Year	Livestock and products				
	Farm output	All livestock and products ¹	Meat animals ²	Dairy products ³	Poultry and eggs ⁴
1987	88	92	95	94	81
1988	83	93	97	96	83
1989	89	94	97	95	86
1990	94	95	96	98	92
1991	94	98	99	98	96
1992	100	100	100	100	100
1993	94	100	100	99	104
1994	107	108	102	114	110
1995	101	110	103	115	114
1996	106	109	100	115	119

Year	Crops				
	All crops	Feed crops ⁵	Food grains ⁶	Oil crops ⁷	Cotton and cotton seed
1987	86	84	84	88	92
1988	75	62	76	72	96
1989	86	85	83	88	75
1990	92	88	107	87	96
1991	92	86	82	94	109
1992	100	100	100	100	100
1993	90	76	96	85	100
1994	106	102	97	115	122
1995	96	83	90	99	110
1996	103	98	93	107	117

Year	Crops			
	Tobacco	Vegetables and melons ⁸	Fruits and nuts ⁹	Other crops ¹⁰
1987	69	90	95	82
1988	78	81	102	86
1989	80	85	98	89
1990	94	93	97	94
1991	96	97	96	97
1992	100	100	100	100
1993	94	97	107	99
1994	85	113	111	105
1995	93	108	102	110
1996	80	112	102	110

¹ Includes wool, mohair, horses, mules, honey, beeswax, bees, goats, rabbits, aquaculture, and fur animals. These items are not included in the separate groups of livestock and products shown. ² Cattle and calves, sheep and lambs, and hogs. ³ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. ⁴ Chicken eggs, commercial broilers, chickens, and turkeys. ⁵ Feed grains and forage crops. ⁶ All wheat, rye, and rice. ⁷ Soybeans, peanuts harvested for nuts, sunflower seed, and flaxseed. ⁸ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market having value. ⁹ Fruits, berries, and tree nuts having value. Citrus production is based on year of harvest for 1960 to date; earlier years are based on year of bloom. ¹⁰ Includes sugar crops, floriculture and ornamentals, forest products, legums and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber.

ERS, Environmental Indicators and Resource Accounting Branch (202) 694-5601.

Table 9-23.—Total farm input: Index numbers of farm input, by major subgroups, United States, 1987–96
[1992=100]

Year	Total input	Farm labor	Farm real estate	Durable equipment	Energy	Agricultural chemicals ¹	Feed, seed, and livestock purchases ²	Other purchased inputs ³
1987	101	101	100	120	102	100	97	95
1988	100	103	100	113	102	90	96	99
1989	100	104	102	108	101	95	91	103
1990	101	102	101	105	100	95	99	103
1991	102	106	100	103	101	100	99	104
1992	100	100	100	100	100	100	100	100
1993	101	96	98	97	100	105	101	110
1994	102	96	99	94	103	106	102	117
1995	101	92	98	92	109	90	109	121
1996	100	100	99	89	104	97	95	117

¹ Includes fertilizer, lime, and pesticides. ² Includes broiler- and egg-type chicks and turkey poults and imports of livestock for purposes other than immediate slaughter. ³ Includes purchased services and miscellaneous inputs.
ERS, Environmental Indicators and Resource Accounting Branch (202) 694–5601.

Table 9-24.—Livestock and livestock products: Production and value, United States, 1995–97

Product	Production ¹			Value of production		
	1995 ²	1996 ²	1997 ²	1995 ²	1996 ²	1997 ²
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle and calves	42,713,767	41,328,808	41,060,249	24,830,132	22,276,583	24,892,648
Sheep and lambs	599,392	565,669	591,308	409,900	434,998	478,449
Hogs	24,425,501	23,267,241	24,094,229	9,829,188	12,013,037	12,633,892
Broilers ³	34,222,000	36,483,050	37,523,400	11,762,222	13,904,924	14,152,519
Turkeys	6,761,327	7,222,834	7,225,059	2,769,397	3,124,496	2,884,377
Milk	155,425,000	154,259,000	156,602,000	20,098,996	23,043,699	21,191,120
Wool (shorn)	63,513	56,669	53,889	64,277	39,659	45,172
Mohair ⁴	12,019	8,045	6,929	22,089	15,486	15,563
Eggs	<i>Millions</i> 74,764	<i>Millions</i> 76,377	<i>Millions</i> 77,532	3,892,912	4,776,252	4,539,929

¹ For cattle, sheep, and hogs, the quantity of net production is the live weight actually produced during the year, adjustments having been made for animals shipped in and changes in inventory. ² Preliminary. ³ Young chickens of meat-type strains raised for meat production. ⁴ AZ, NM, OK, and TX.
NASS, Livestock and Economic Branch, (202) 720–6146.

Table 9-25.—Agricultural productivity: Index numbers (1992=100) of farm output per unit of input, United States, 1987–96

Year	Productivity ¹	Year	Productivity ¹
1987	87	1992	100
1988	83	1993	94
1989	90	1994	105
1990	93	1995	100
1991	92	1996	106

¹ Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 9–25 by the index of total input in table 9–26.
ERS, Environmental Indicators and Resource Accounting Branch (202) 694–5601.

Table 9-26.—U.S. farm foods: Marketing bill, farm value, and consumer expenditures, 1988–97¹

Year	Total marketing bill	Farm value	Expenditures for farm foods	Year	Total marketing bill	Farm value	Expenditures for farm foods
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>		<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1988	301.9	96.8	398.8	1993	379.6	109.6	489.2
1989	315.6	103.8	419.4	1994	402.6	109.6	512.2
1990	343.6	106.2	449.8	1995	415.7	113.8	529.5
1991	363.5	101.6	465.1	1996	424.5	122.2	546.7
1992	369.4	105.1	474.5	1997 ²	444.1	120.0	561.1

¹The total marketing bill is the difference between total expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. It relates only to food purchased by consumers that is not imported or exported. ²Preliminary.

ERS, Food Markets Branch, (202) 694-5375.

Table 9-27.—Farm food products: Marketing costs, United States, 1988–97

Year	Labor ¹	Packaging materials	Intercity transportation, rail and truck	Fuels and electricity	Corporate profits before taxes	Other ²	Total marketing bill ³
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1988	137.9	32.6	17.8	14.1	12.0	87.5	301.9
1989	145.1	35.2	18.6	14.8	12.9	89.0	315.6
1990	154.0	36.5	19.8	15.2	13.2	104.9	343.6
1991	160.9	38.1	20.4	16.3	15.2	112.6	363.5
1992	168.4	40.1	20.6	16.7	15.7	107.9	369.4
1993	178.0	40.9	21.2	17.2	18.1	104.2	379.6
1994	186.1	43.3	21.8	17.9	20.9	112.6	402.6
1995	196.6	48.2	22.3	18.6	19.5	110.5	415.7
1996	204.6	47.7	22.9	19.6	19.2	110.5	424.5
1997 ⁴	216.2	48.7	23.6	20.0	18.4	114.2	444.1

¹Includes employee wages or salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. ²Includes depreciation, rent, advertising and promotion, interest, taxes, licenses, insurance, professional services, local for-hire transportation, food service in schools, colleges, hospitals, and other institutions, and miscellaneous items. ³The marketing bill is the difference between the farm value or payments to farmers for foodstuffs and consumer expenditures for these foods both at foodstores and away from home eating places. Thus, it covers processing, wholesaling, transportation, and retailing costs and profits. ⁴Preliminary.

ERS, Food Markets Branch, (202) 694-5375.

Table 9-28.—Price components: Market basket of farm-originated food products by food group, United States, 1988–97¹

Year	Market basket of food products				Bakery and cereal products			
	Retail cost ²	Farm value ³	Farm to retail spread ⁴	Farm value share of retail cost	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>
1988	116	100	125	30	122	93	126	9
1989	125	107	134	30	132	102	137	9
1990	134	113	145	30	140	91	147	8
1991	137	106	154	27	146	85	154	7
1992	138	103	157	26	152	94	160	8
1993	142	105	162	26	157	92	166	7
1994	145	101	169	24	164	103	171	8
1995	149	103	175	24	168	110	176	8
1996	156	111	180	25	174	126	181	9
1997 ⁵	160	106	189	23	178	108	187	7

	Meat products				Fruits and vegetables, fresh			
	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>
1988	112	100	125	45	137	112	150	27
1989	117	104	130	45	149	116	165	26
1990	129	117	140	46	163	126	181	26
1991	133	110	156	42	177	142	195	26
1992	131	105	158	41	174	122	199	23
1993	135	107	163	40	182	131	207	24
1994	135	96	176	36	191	119	225	21
1995	136	94	178	35	210	133	248	21
1996	140	100	181	36	216	133	257	20
1997 ⁵	144	101	189	36	220	128	265	20

	Dairy products				Fats and oils			
	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>
1988	108	91	125	40	113	103	117	24
1989	116	99	131	41	121	96	131	21
1990	127	102	150	39	126	107	133	23
1991	125	90	157	35	132	98	144	20
1992	129	96	159	36	130	93	143	19
1993	129	93	163	35	130	108	138	22
1994	132	94	166	34	134	126	137	25
1995	133	92	170	33	137	121	143	24
1996	142	107	174	36	141	112	151	22
1997 ⁵	146	98	189	32	142	109	154	21

	Poultry				Fruits and vegetables, processed			
	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>
1988	121	110	133	49	118	137	112	28
1989	133	117	151	47	125	132	123	25
1990	133	108	161	44	133	144	129	26
1991	132	103	165	42	130	122	133	22
1992	131	104	163	42	134	129	135	23
1993	137	112	166	44	132	107	139	19
1994	142	115	173	43	135	113	141	20
1995	144	114	178	42	138	121	143	21
1996	152	126	183	44	144	122	152	20
1997 ⁵	157	121	198	41	148	116	158	19

¹The market basket consists of foods that mainly originate on U.S. farms bought in foodstores in a base period, currently 1982–84. ²Indexes of retail cost are components of the Consumer Price Index published by the Bureau of Labor Statistics. ³Gross return or payment to farmers for the farm products equivalent to foods in the market basket. ⁴The spread between the retail cost and farm value is an estimate of the gross margin received by marketing firms for assembling, processing, transporting, and distributing the products. ⁵Preliminary.

Table 9-29.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1996 and 1997

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1996 ²	1997 ²	1996	1997	
	Dollars	Dollars	Dollars	Dollars	
Basic commodities:					
Cotton:					
American Upland	pound	0.693	0.669	1.66	1.70
Extra long staple	pound	1.070	1.007	2.21	2.27
Wheat	bushel	4.30	3.38	8.98	9.44
Rice	cwt	9.96	9.75	24.70	25.60
Corn	bushel	2.71	2.60	5.97	6.33
Peanuts	pound	0.281	0.261	0.645	0.651
Tobacco:					
Flue-cured, types 11-14	pound	1.834	1.720	3.65	3.79
Va., fire-cured, type 21	pound	1.790	2.125	3.34	3.53
Ky.-Tenn., fire-cured, types 22-23	pound	2.245	2.256	4.33	4.59
Burley, type 31	pound	1.922	1.885	3.78	3.92
Maryland, type 32 ⁴	pound	1.856	1.585	3.17	3.41
Dark air-cured, types 35-36	pound	1.952	2.017	3.59	3.83
Sun-cured, type 37	pound	1.782	1.908	2.99	3.17
P.a., seedleaf, type 41	pound	1.550	1.600	2.34	2.67
Cigar binder type 51	pound	6.279	7.414	5.42	6.50
Puerto Rican filler, type 46	pound	.....	.....	2.51	2.62
Cigar filler types 54-55	pound	1.486	1.505	2.88	3.15
Designated nonbasic commodities:					
All milk, sold to plants	cwt	14.75	13.36	27.90	29.20
Fluid market	cwt	14.79	13.40	.....	.....
Manufacturing grade	cwt	13.43	12.17	.....	.....
Honey, all	pound	0.888	0.752	1.18	1.30
Wool and mohair:					
Wool ⁵	pound	0.70	0.84	4.10	4.09
Mohair ⁶	pound	1.92	2.25	10.30	10.90
Other nonbasic commodities:					
Field crops and miscellaneous:					
Barley	bushel	2.74	2.38	5.42	5.77
Beans, dry edible	cwt	23.50	17.70	47.40	49.70
Cottonseed	ton	126.00	121.00	216.00	232.00
Crude pine gum	barrel	.....	.....	202.00	211.00
Flaxseed	bushel	6.37	5.75	10.80	11.30
Hay, all, baled	ton	95.80	100.00	170.00	180.00
Hops	pound	1.65	1.58	3.56	3.62
Oats	bushel	1.96	1.60	3.33	3.59
Peas, dry edible	cwt	11.10	7.40	27.50	28.60
Peppermint oil	pounds	13.60	13.20	29.10	30.30
Popcorn, shelled basis	cwt	.....	.....	26.30	27.40
Potatoes	cwt	4.93	5.68	12.60	12.70
Rye	bushel	3.70	3.60	4.08	4.59
Sorghum grain	cwt	4.17	4.00	9.33	10.00
Soybeans	bushel	7.35	6.50	12.90	13.70
Spearmint oil	pound	12.00	12.00	28.20	28.90
Sweetpotatoes	cwt	14.40	15.80	19.60	18.90
Tobacco:					
Cigar wrapper, type 61	pound	.....	.....	39.40	39.10
Fruits:					
Citrus (equiv. on-tree): ⁷					
Grapefruit	box	1.91	1.41	9.75	10.70
Lemons	box	8.36	6.24	17.90	17.40
Limes, Florida	box	6.93	5.02	20.50	19.70
Oranges	box	4.22	4.29	12.00	13.60
Tangelos, Florida	box	2.19	1.49	.....	.....
Tangerines	box	9.42	8.81	28.20	28.80
Temples, Florida	box	3.22	2.84	9.79	11.40
Deciduous and other:					
Apples:					
For all sales	pound	0.159	0.153	.....	.....
For fresh consumption ⁸	pound	0.208	0.222	0.416	0.439
For processing ⁹	ton	171.00	129.00	262.00	277.00
Apricots:					
For all sales	ton	444.00	332.00	.....	.....
For fresh consumption ¹⁰	ton	1,170.00	554.00	2,340.00	2,230.00
Dried, California (dried basis) ⁹	ton	2,240.00	1,810.00	4,500.00	4,680.00
For processing (except dried) ⁹	ton	285.00	276.00	620.00	642.00
Avocados ¹⁰	ton	1,400.00	1,360.00	2,480.00	2,140.00

See footnotes at end of table.

Table 9-29.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1996 and 1997—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1996 ²	1997 ²	1996	1997	
	Dollars ⁷	Dollars	Dollars	Dollars	
Deciduous and other—Con.					
Berries for processing:					
Blackberries (Oregon)	pound	0.886	0.403	0.901	0.939
Boysenberries (California & Oregon)	pound	1.010	0.579	1.280	1.330
Gooseberries	pound	.....	.....	0.542	0.565
Loganberries (Oregon)	pound	0.988	1.190	0.876	0.914
Raspberries, black (Oregon)	pound	1.670	1.900	1.540	1.610
Raspberries, red (Oregon & Washington)	pound	0.772	0.489	1.230	1.280
Cherries:					
Sweet	ton...	1,470.00	1,250.00	2,030.00	2,230.00
Tart	pound...	0.161	0.156	0.427	0.550
Cranberries ¹¹	barrel...	.....	.....	103.00	108.00
Dates, California ¹⁰	ton...	1,090.00	1,100.00	1,990.00	1,970.00
Figs, California	ton...	282.00	250.00	.....	.....
Grapes:					
For all sales	ton...	428.00	420.00	.....	.....
Raisin varieties dried, California (dried basis) ⁹	ton...	1,070.00	763.00	1,960.00	2,080.00
Nectarines (California):					
For all sales	ton...	474.00	375.00	.....	.....
For fresh consumption ¹⁹	ton...	.....	.....	905.00	933.00
For processing ¹⁹	ton...	.....	.....	73.20	73.00
Olives (California): ¹²					
For all sales	ton...	617.00	642.00	.....	.....
Crushed for oil	ton...	11.00	11.00	28.60	25.60
For all sales (except crushed)	ton...	.....	.....	1,200.00	1,240.00
For canning	ton...	745.00	760.00	1,380.00	1,420.00
Peaches:					
For all sales	pound...	0.192	0.179	.....	.....
For fresh consumption ⁹	pound...	0.332	0.247	0.590	0.608
Dried, California (dried basis) ⁹	ton...	726.00	612.00	1,990.00	2,120.00
For processing California (except dried):					
Clingstone ¹²	ton...	219.00	260.00	446.00	467.00
Freestone ⁹	ton...	181.00	194.00	395.00	406.00
Pears:					
For all sales	ton...	376.00	276.00	.....	.....
For fresh consumption ⁹	ton...	496.00	329.00	725.00	761.00
Dried, California (dried basis) ⁹	ton...	1,290.00	1,020.00	1,930.00	2,120.00
For processing (except dried) ⁹	ton...	223.00	213.00	429.00	450.00
Plums (California):					
For all sales ¹⁰	ton...	420.00	312.00	.....	.....
For fresh consumption ¹⁹	ton...	.....	.....	846.00	812.00
For processing ¹⁹	ton...	.....	.....	47.20	53.20
Prunes, dried (California) ⁹	ton...	839.00	827.00	1,930.00	1,850.00
Prunes and plums (excl. California):					
For fresh consumption ¹³	ton...	577.00	464.00	812.00	844.00
For processing (except dried) ⁹	ton...	267.00	150.00	275.00	320.00
Strawberries:					
For fresh consumption ¹⁴	pound...	0.565	0.657	1.25	1.27
For processing ⁹	pound...	0.204	0.271	0.597	0.591
Sugar crops:					
Maple sirup	gallon...	26.90	23.60	.....	.....
Sugarbeets	ton...	45.40	40.70	86.50	89.20
Sugarcane for sugar	ton...	28.30	28.10	63.20	66.20
Tree nuts: ¹⁵					
Almonds	pound...	2.08	1.55	3.08	3.21
Hazelnuts	ton...	859.00	898.00	1,700.00	1,760.00
Pecans, all	pound...	0.637	0.771	3,860.00	3,920.00
Improved	pound...	0.686	0.929	.....	.....
Seedling	pound...	0.464	0.531	.....	.....
Walnuts	ton...	1,570.00	1,310.00	2,380.00	2,240.00

See footnotes at end of table.

Table 9-29.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1996 and 1997—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1996 ²	1997 ²	1996	1997	
	Dollars	Dollars	Dollars	Dollars	
Vegetables for fresh market:¹⁴					
Artichokes, California	cwt...	73.50	78.20	66.10	68.90
Asparagus	cwt...	92.90	111.00	180.00	188.00
Broccoli	cwt...	27.10	29.10	52.60	55.10
Cabbage	cwt...	10.20	10.40	20.10	20.90
Cantaloups	cwt...	18.10	17.70	30.90	32.30
Carrots ¹⁵	cwt...	13.30	13.10	24.30	23.50
Cauliflower ¹⁶	cwt...	33.00	31.20	59.70	63.30
Celery ¹⁶	cwt...	10.60	15.10	27.50	27.70
Cucumbers	cwt...	18.90	16.90	33.10	34.50
Eggplant	cwt...	26.80	23.80	35.00	36.50
Escarole/Endive	cwt...	21.90	23.60	45.00	47.00
Garlic, California	cwt...	32.10	47.10	42.60	44.40
Green peppers ¹⁶	cwt...	28.00	30.00	52.30	54.50
Honeydew melons	cwt...	17.00	18.90	34.60	36.40
Lettuce	cwt...	14.70	17.30	31.10	32.40
Onions ¹⁶	cwt...	10.60	12.60	26.20	25.90
Snap beans	cwt...	41.80	41.30	65.50	68.30
Spinach	cwt...	29.00	30.80	57.40	59.80
Sweet corn	cwt...	16.90	17.60	34.60	35.90
Tomatoes	cwt...	28.00	33.00	63.60	65.60
Watermelons	cwt...	6.25	7.59	12.60	12.80
Vegetables for processing:⁹					
Asparagus	ton...	1,210.00	1,220.00	2,210.00	2,290.00
Beets	ton...	64.30	66.60	113.00	118.00
Cabbage	ton...	42.50	45.20	87.30	91.10
Cucumbers	ton...	249.00	236.00	.....	.....
Green peas	ton...	284.00	288.00	530.00	558.00
Lima beans	ton...	455.00	459.00	974.00	1,020.00
Snap beans	ton...	179.00	177.00	373.00	386.00
Spinach	ton...	103.00	107.00	211.00	220.00
Sweet corn	ton...	78.50	74.60	145.00	153.00
Tomatoes	ton...	62.30	60.70	137.00	141.00
Livestock and livestock products:					
All beef cattle	cwt...	58.70	63.10	147.00	151.00
Cows	cwt...	30.50	34.80	.....	.....
Steers and heifers	cwt...	62.50	66.80	.....	.....
Calves	cwt...	58.40	78.90	189.00	192.00
Beeswax	pound...	.....	.....	4.23	4.41
Chickens:					
Excluding broilers, live	pound...	0.067	0.077	.....	.....
Broilers, live	pound...	0.381	0.377	.....	.....
All Eggs	dozen...	0.749	0.702	1.35	1.42
Hogs	cwt...	51.90	52.90	100.00	103.00
Lambs	cwt...	88.20	90.30	148.00	152.00
Milk cows ¹⁷	head...	1,090.00	1,100.00	.....	.....
Milk, retail ¹⁸	quart...	0.785	0.731	.....	.....
Sheep	cwt...	29.90	37.90	59.40	61.50
Turkeys, live	pound...	0.433	0.399	0.851	0.868

¹Marketing year average prices for crops; weighted calendar year average for livestock and livestock products, except chickens, eggs, and hogs, which are on a Nov.-Dec. marketing year basis. Unless otherwise noted, these are averages for marketing season or calendar year computed by weighing State prices by quantities sold, or by production for those commodities for which virtually all the production is sold. ²Preliminary. ³Parity prices are for January of the year shown as published in the January issue of Agricultural Prices. ⁴Previous year. ⁵Average local market price for wool sold excluding incentive payment. ⁶Average local market price for mohair sold excluding incentive payment. Texas only prior to 1988. ⁷Crop year begins with bloom in one year and ends with completion of harvest the following year. Prices refer to the year harvest begins. Thus the prices shown for 1996 relate to the citrus crop designated as 1995-97 in the production reports. ⁸Equivalent packinghouse-door returns for California, Oregon (pears only), Washington, and New York (apples only), and prices as sold for other States. ⁹Equivalent returns at processing plant-door. ¹⁰Equivalent returns at packinghouse-door. ¹¹Weighted average of co-op and independent sales. Co-op prices represent pool proceeds excluding returns from non-cranberry products and before deductions for capital stock and other retains. ¹²Equivalent per unit returns for bulk fruit at first delivery point. ¹³Average price as sold. ¹⁴FOB shipping point when available. Weighted average of prices at points of first sale when FOB shipping point price not available. ¹⁵Prices are in-shell basis except almonds which are shelled basis. ¹⁶Includes some processing. ¹⁷Simple average of States weighted by estimated Jan. 1 head for U.S. average. ¹⁸Sold by farmers directly to consumers. ¹⁹Prices for fresh and processing breakdown no longer published to avoid disclosure of individual operations.

NASS, Livestock and Economic Branch, (202) 720-3570.

Table 9-30.—Producer prices: Index numbers, by groups of commodities, United States, 1989–98
[1982=100]

Year	Total finished goods	Consumer foods	Finished goods ¹	Total consumer goods	Total intermediate materials	Total crude materials
1989	113.6	118.7	108.9	112.1	112.0	103.1
1990	119.2	124.4	115.3	118.2	114.5	108.9
1991	121.7	124.1	118.7	120.5	114.4	101.2
1992	123.2	123.3	120.8	121.7	114.7	100.4
1993	124.7	125.7	121.7	123.0	116.2	102.4
1994	125.5	126.8	121.6	123.3	118.5	101.8
1995	127.9	129.0	124.0	125.6	124.9	102.7
1996	131.3	133.6	127.6	129.5	125.7	113.8
1997	131.8	134.5	128.2	130.2	125.6	110.9
1998 ²	130.7	134.3	126.4	128.9	123.0	96.7

¹ Excluding consumer foods. ² Preliminary.

ERS, Food Marketing Branch, (202) 694-5373. Compiled from reports of the U.S. Department of Labor.

Table 9-31.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1988–97 ¹
[1910–14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit & nuts ²	Commercial vegetables	Other crops
1988	359	364	486	1,295	689	668	695	474
1989	402	390	503	1,461	646	692	690	488
1990	317	376	548	1,474	575	676	684	499
1991	299	360	554	1,547	542	782	665	478
1992	358	352	450	1,526	544	689	745	502
1993	332	354	455	1,521	590	646	774	510
1994	377	381	559	1,532	600	630	727	517
1995	426	400	653	1,559	568	698	800	525
1996	497	523	626	1,592	700	826	727	532
1997 ⁴	405	418	573	1,570	713	757	805	532

Year	Potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and livestock products	All farm products	Parity ratio ³
1988	445	516	927	750	276	713	627	53
1989	662	537	960	833	313	764	659	52
1990	674	507	1,068	841	294	804	660	50
1991	501	496	1,025	752	280	757	632	47
1992	444	498	971	805	272	743	626	47
1993	539	504	1,011	787	295	768	643	47
1994	556	520	910	797	298	727	634	45
1995	541	554	868	783	300	706	647	45
1996	576	623	882	914	337	761	711	47
1997 ⁴	459	568	933	820	319	755	678	44

¹ These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been compared with 1990–92 weighted average prices. The resulting ratios are seasonally weighted by average quantities sold for the most recent previous 5-year period. For example, 1994 indexes use quantities sold for the period 1988-92. Then, the 1990–92 indexes are adjusted to a 1910–14 reference. ² Fresh market for noncitrus, and fresh market and processing for citrus. ³ Ratio of Index of Prices Received to the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Farm Wage Rates. ⁴ Preliminary.

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Table 9-32.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1988-97¹
(1990-92=100)

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit & Nuts ²	Commercial vegetables	Other Crops
1988	113	102	95	86	126	96	104	96
1989	127	109	98	96	118	99	103	99
1990	100	105	107	97	105	97	102	101
1991	94	101	108	102	99	112	100	97
1992	113	98	88	101	100	99	111	102
1993	105	99	89	101	108	93	116	103
1994	119	106	109	101	110	90	109	105
1995	134	112	127	103	104	100	120	106
1996	157	146	122	105	128	118	109	108
1997 ⁴	128	117	112	104	130	108	121	108

Year	Potatoes and dry edible beans	All crops	Meat animals	D104airy products	Poultry and eggs	Livestock and livestock products	All farm products	Ratio ³
1988	88	104	91	93	98	93	99	108
1989	131	109	94	104	111	100	104	108
1990	133	103	105	105	105	105	104	105
1991	99	101	101	94	99	99	100	99
1992	88	101	96	100	97	97	98	97
1993	107	102	100	98	105	100	101	97
1994	110	105	90	99	106	95	100	94
1995	107	112	85	98	107	92	102	94
1996	114	126	87	114	120	99	112	98
1997 ⁴	91	115	92	102	113	98	107	91

¹ These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been compared with 1990-92 weighted average prices. The resulting ratios are seasonally weighted by average quantities sold for the most recent previous 5-year period. For example, 1994 indexes use quantities sold for the period 1988-92. ² Fresh market for noncitrus, and fresh market and processing for citrus. ³ Ratio of Index of Prices Received (1990-92=100) to Index of Prices Paid by Farmers for Commodities & Services, Interest, Taxes, and Wage Rates (1990-92=100). ⁴ Preliminary.

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Table 9-33.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1988-97
(1990-92=100)

Production indexes									
Year	Production (all commodities)	Feed	Livestock & Poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and Repairs	Autos and trucks
1988	90	104	91	94	94	89	77	90	90
1989	95	110	93	104	99	93	83	94	93
1990	99	103	102	102	97	95	100	96	97
1991	100	98	102	99	103	101	104	100	100
1992	101	99	96	99	100	103	96	104	102
1993	104	102	104	101	96	109	93	107	107
1994	106	106	94	108	105	112	91	109	111
1995	108	103	82	110	121	116	89	112	115
1996	114	129	75	115	125	119	102	115	118
1997	117	123	94	119	121	120	108	118	119

Production indexes					Interest	Taxes	Wage rates ²	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates ³
Year	Farm machinery	Building Materials	Farm services ¹	Rent					
1988	89	94	85	.....	100	89	87	92	91
1989	94	96	91	.....	106	91	95	97	96
1990	96	99	96	96	107	95	96	99	99
1991	100	100	99	100	100	101	100	100	100
1992	104	101	103	104	93	104	105	101	101
1993	107	106	109	100	87	108	108	103	104
1994	113	109	110	108	94	106	111	106	106
1995	120	114	115	116	101	109	114	108	109
1996	125	115	116	119	105	112	117	114	114
1997	129	118	117	121	107	115	123	117	117

¹ The Farm Service and Rent indexes were combined prior to 1992. ² Simple average of seasonally adjusted quarterly indexes. ³ Family Living component included.

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Table 9-34.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1988–97
[1910–14=100]

Year	Family living	Production indexes							
		Production (all commodities)	Feed	Livestock and poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and repairs
1988	1,117	874	506	1,167	931	346	549	596	636
1989	1,169	922	539	1,184	1,027	363	573	643	665
1990	1,229	958	501	1,303	1,012	356	590	772	684
1991	1,287	972	480	1,308	983	376	624	802	713
1992	1,327	979	485	1,223	976	366	637	740	736
1993	1,369	1,006	497	1,327	1,002	352	672	717	757
1994	1,404	1,030	518	1,207	1,071	387	695	700	776
1995	1,447	1,049	502	1,048	1,088	444	716	688	798
1996	1,490	1,107	631	961	1,142	458	734	789	816
1997	1,525	1,132	600	1,179	1,179	443	741	832	835

Year	Production indexes—Continued				Interest	Taxes	Wage rates	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates ²
	Autos and trucks	Farm machinery	Building materials	Farm services and rent					
1988	2,385	2,227	1,280	1,015	2,518	2,375	3,267	1,230	1,191
1989	2,477	2,360	1,306	1,088	2,645	2,442	3,538	1,299	1,261
1990	2,585	2,412	1,339	1,142	2,685	2,543	3,583	1,332	1,310
1991	2,647	2,510	1,358	1,176	2,516	2,707	3,757	1,347	1,334
1992	2,723	2,599	1,377	1,237	2,321	2,789	3,930	1,353	1,348
1993	2,833	2,689	1,436	1,262	2,191	2,886	4,055	1,384	1,381
1994	2,958	2,843	1,488	1,302	2,357	2,828	4,140	1,419	1,416
1995	3,053	3,009	1,553	1,376	2,524	2,915	4,278	1,453	1,452
1996	3,126	3,128	1,569	1,394	2,643	3,001	4,389	1,527	1,520
1997	3,161	3,228	1,602	1,412	2,679	3,093	4,593	1,566	1,558

¹Based on Consumer Price Index-Urban of Bureau of Labor Statistics. ²The index known as the Parity Index is the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Wage Rates expressed on the 1910–14=100 base.

NASS, Livestock and Economics Branch, (202) 720–3570.

Table 9-35.—Prices paid by farmers: April prices, by commodities, United States, 1995–98¹

Commodity	Unit	1995	1996	1997	1998
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fuels and energy:					
Diesel fuel ^{2 3}	Gal	0.766	0.920	0.874	0.740
Gasoline, service station, unleaded ⁴	Gal	1.12	1.22	1.23	1.06
Gasoline, service station, bulk delivery ⁴	Gal	1.11	12.6	1.26	1.09
L. P. gas, bulk delivery ²	Gal	0.734	0.804	0.852	0.764
Feeds:					
Alfalfa Meal	Cwt	11.80	12.30	13.60	13.80
Alfalfa Pellets	Cwt	12.00	12.40	13.40	13.60
Bran	Cwt	11.20	13.00	14.20	13.80
Beef Cattle Concentrate.					
32–36% Protein	Ton	251	316	325	292
Corn Meal	Cwt	7.86	10.60	9.30	8.57
Cottonseed Meal, 41%	Cwt	14.20	16.80	17.20	16.00
Dairy Feed					
14% Protein	Ton	162	216	202	186
16% Protein	Ton	174	225	215	194
18% Protein	Ton	183	238	230	206
20% Protein	Ton	186	239	238	207
32% Protein Conc.	Ton	276	333	362	302
Hog Feed					
14–18% Protein	Ton	210	252	252	227
38–42% Protein Conc.	Ton	292	351	389	317
Molasses, Liquid	Cwt	11.30	11.80	12.20	11.90
Poultry Feed:					
Broiler Grower	Ton	195	265	270	257
Chick Starter	Ton	212	280	284	268
Laying Feed	Ton	195	258	251	224
Turkey Grower	Ton	242	312	305	278
Soybean Meal, 44%	Cwt	12.40	15.60	17.70	14.30
Stock Salt	50 Lb	3.76	3.82	3.92	3.91
Trace Mineral Blocks	50 Lb	4.85	4.90	5.05	4.98

See footnotes at end of table.

Table 9-35.—Prices paid by farmers: April prices, by commodities, United States, 1995-98¹—Continued

Commodity	Unit	1995	1996	1997	1998
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fertilizer:⁶					
0-15-40	Ton	179	186	182	189
0-18-36	Ton	177	183	180	191
0-20-20	Ton	184	194	185	195
3-10-30	Ton	167	170	164	165
5-10-10	Ton	150	155	153	148
5-10-15	Ton	159	171	159	167
5-10-30	Ton	170	181	174	177
5-20-20	Ton	179	196	185	190
6- 6- 6	Ton	192	175	178	188
6- 6-18	Ton	197	193	193	214
6-12-12	Ton	159	167	159	156
6-24-24	Ton	219	232	224	228
8- 8- 8	Ton	155	161	160	155
8-20- 5	Ton	213	217	219	226
8-32-16	Ton	235	251	239	236
9-23-30	Ton	207	220	210	214
10- 3- 3	Ton	110	146	146	3/
10- 6- 4	Ton	163	181	180	164
10-10-10	Ton	172	176	173	172
10-20-10	Ton	204	217	209	202
10-20-20	Ton	221	226	224	222
10-34- 0	Ton	252	255	253	260
11-52- 0	Ton	278	310	289	283
13-13-13	Ton	200	205	196	197
15-15-15	Ton	235	242	239	231
16- 0-13	Ton	165	171	175	160
16- 4- 8	Ton	226	231	230	236
16- 6-12	Ton	186	184	177	170
16-16-16	Ton	266	290	272	279
16-20- 0	Ton	242	259	247	250
17-17-17	Ton	222	236	226	216
18-46- 0 (DAP)	Ton	263	294	272	264
19-19-19	Ton	240	242	233	222
24- 8- 0	Ton	207	189	180	162
Ammonium Nitrate	Ton	223	233	227	193
Anhydrous Ammonia	Ton	330	303	303	253
Aqua Ammonia	Ton	109	113	111	118
Limestone, Spread on field	Ton	17.90	17.50	18.20	18.50
Muriate of Potash, 60% K2O	Ton	155	153	152	163
Nitrate of Soda	Ton	248	256	265	266
Nitrogen Solutions.					
28% N	Ton	162	171	157	133
30% N	Ton	169	182	160	134
32% N	Ton	183	185	175	148
Sulfate of Ammonia	Ton	182	184	185	187
Superphosphate, 44-46% P2O5	Ton	234	258	257	253
Urea, 44-46% Nitrogen	Ton	266	278	257	195
Farm Machinery:					
Baler, Pick-Up, Automatic Tie, P.T.O.					
Square Conventional, Under 200 Lb Bales		13,300	13,800	14,600	15,200
Round, 1200-1500 Lb Bale		16,600	17,100	16,900	17,300
Round, 1900-2200 Lb Bale			(¹)	21,600	22,300
Chisel Plow, Maximum 1 Foot Depth of					
Tillage, Chisel or Sweep Type, Drawn or					
Mounted, 16-20 Foot		9,520	10,300	11,300	11,700
Combine, Self Propelled with Grain Head					
Extra-large capacity		130,000	(¹)	155,000	162,000
Large capacity		108,000	137,000	135,000	140,000
Medium capacity		20,100	117,000	(²)	
Corn Head for Combine					
6 Row		20,100	20,800	21,700	22,400
8 Row			(¹)	28,500	29,000
Cotton Picker, Self Propelled, with spindle,					
4-Row		183,000	192,000	195,000	198,000
Cultivator, Row Crop					
6-Row		4,880	5,410	5,680	5,900
12-Row, Flexible		11,200	11,900	12,500	13,500
Disk Harrow, Tandem, Drawn⁹					
15-17 Foot		10,400	10,900	12,100	12,200
18-20 foot		14,600	15,700	16,100	16,600

See footnotes at end of table.

Table 9-35.—Prices paid by farmers: April prices, by commodities, United States, 1995-98¹—Continued

Commodity	Unit	1995	1996	1997	1998
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Elevator, Portable, Without Power Unit, Auger Type, 8 Inch Diameter, 60 Foot		3,590	3,760	3,660	3,660
Feed Grinder-Mixer, Trailer Mtd., P.T.O.		11,700	11,800	12,200	12,900
Field Cultivator, Mounted or Drawn					
17-19 Foot		7,580	8,280	9,060	9,670
20-25 Foot, Flexible		11,400	12,100	12,500	13,500
Forage Harvester, P.T.O., Shear Bar, With Pick-Up Attachment		22,000	22,600	23,500	24,200
With Row Crop Unit, 2-Row		24,700	25,100	26,000	26,200
Forage Harvester, Self-propelled, Shear Bar, With 4-6 row			(¹)	177,000	191,000
Front-End Loader, Hydraulic, Tractor Mounted 1800-2500 Lb. Capacity, 60 Inch Bucket			4,660	4,860	4,910
Grain Drill, Most Common Spacing					
Plain, 15-17 Openers		8,830	8,640	10,200	10,600
Press, 23-25 Openers		11,500	13,300	14,400	16,300
With Fertilizer Attachment, 20-24 Openers		9,920	10,500	11,700	12,700
Min/No-Till W/Fert. Attach., 15 Foot		23,300	24,600	25,300	26,200
Hayrake, Side-Delivery, or Wheel Rake, Traction Drive, 8-12 Foot Working Width		3,980	4,040	4,240	4,410
Hay Tedder, 15-18 Foot		3,890	4,000	4,120	4,130
Manure Spreader, Conveyor Type, P.T.O., 2-Wheel, with Tires.					
141-190 Bushel Capacity		5,590	5,830	6,250	6,330
225-300 Bushel Capacity		7,600	8,090	8,440	8,610
Mower-Conditioner, P.T.O., Pull Type, with 8-10 Foot, Sickle (Cutter) Bar or Disc		11,800	12,000	12,200	12,600
14-16 Foot, Sickle (Cutter) Bar or Disc			(¹)	18,900	19,700
Mower, Mounted or Drawn, 7-8 ft Sickle (Cutter) Bar		3,990	3,940	4,130	4,220
13-14 Foot, Sickle (Cutter) Bar or Disc			(¹)	11,600	13,000
Planter, Row Crop					
With Fertilizer Attachment, 4-Row		12,400	13,700	13,300	14,200
With Fertilizer Attachment, 8-Row		22,700	24,400	25,800	25,700
With Fertilizer Attachment, 24-Row			(¹)	89,000	87,200
12-Row Conservation (No-Till Cond), w/Fert ..		38,600	41,100	43,900	44,300
Rotary Hoe, 20-25 Foot		5,230	5,260	5,700	5,940
Rotary Cutter, 7-8 Foot		2,760	2,670	2,860	2,810
Sprayer, Field Crop, Power, Boom Type (Excl. Self-Propelled and Orchard).					
Tractor Mounted, w/ 300 Gal. Spray Tank		3,820	3,880	4,290	4,350
Trailer Type, w/ 500-700 Gal. Spray Tank		7,860	8,560	9,650	9,950
Tractor, 2-Wheel Drive					
30-39 P.T.O. horsepower		14,400	15,000	15,400	15,300
50-59 P.T.O. horsepower		20,100	20,600	21,200	21,800
70-89 P.T.O. horsepower		30,700	30,900	31,800	32,800
110 - 129 P.T.O. horsepower		54,000	55,400	57,400	59,500
140 - 159 P.T.O. horsepower		70,000	71,500	74,800	77,100
190 - 220 P.T.O. horsepower			(¹)	102,000	105,000
Tractor, 4-Wheel Drive					
200 - 280 P.T.O. horsepower		98,700	100,000	111,000	116,000
Wagon, Gravity Unload, W/Box and Running Gear, and Tires, 200-400 Bushel Capacity					
Without Side Extensions		3,640	3,520	3,720	3,870
Wagon, Running Gear, W/O Box 8-10 Ton Capacity		1,610	1,620	1,690	1,680
Windrower, Self-Propelled, 14-16 Foot		45,800	46,900	52,100	54,500
Agricultural Chemicals ¹⁰					
Fungicides:					
Basic Copper Sulfate, 53% WP	Lb	1.24	1.31	1.29	1.28
Benomyl (Benlate), 50% WP	Lb	18.00	18.30	18.20	18.30
Calcium Polysulfide (Lime Sulfur) Liq.Conc	Gal	5.96	5.94	6.14	6.39
Captan 50% WP	Lb	3.31	3.30	3.25	3.36
Chlorothalonil (Bravo), 6#/Gal EC	Gal	52.50	55.90	57.00	55.80
Copper Hydroxide (Kocide), 77% WP	Lb	2.51	2.58	2.56	2.53
Dodine (Cyprex), 65% WP	Lb	9.18	9.96	9.74	10.40
Ferbam (Carbamate), 76% WP	Lb	4.08	4.20	4.08	3.88
Fosetyl-AL (Aliette), 80% WP	Lb	15.40	16.10	13.30	12.70
Iprodione (Rovral), 50% WP	Lb	23.00	23.30	22.80	23.20
Mancozeb (Dithane 80% WP, Manzate 75% DF)	Lb	3.11	3.23	3.32	3.35
Maneb, 80% WP	Lb	2.70	2.98	3.13	3.11
Metalaxyl (Ridomil), 2#/Gal EC	Gal	170	172	177	180
Myclobutanil (Systhane), 40% WP	Lb	69.10	73.90	71.90	70.00
Oxytetraacycline (Mycoshield), 17% WP	Lb	14.70	15.90	16.20	18.00
Rubigan (Fenarimol), 1#/Gal EC	Gal	293	314	301	314
Sulfur, 95% WP	Lb	.348	.363	.335	.305
Triforine (Funginex), 1.6#/Gal EC	Gal	86.90	89.90	91.00	92.70
Triadimefon (Bayleton), 50% WP	Lb	60.10	61.70	63.60	66.70
Ziram, 76% WP	Lb	2.78	2.85	2.98	2.88

See footnotes at end of table.

Table 9-35.—Prices paid by farmers: April prices, by commodities, United States, 1995–98¹—Continued

Commodity	Unit	1995	1996	1997	1998	
		Dollars	Dollars	Dollars	Dollars	
Fumigants:						
Methyl Bromide (Terr-o-gas 98)	Lb	2.85	2.96	3.24	3.17	
Herbicides:						
2,4-D, 4#/Gal EC	Gal	14.20	14.80	14.90	14.90	
Acetochlor (Harness, Surpass),	Gal	(²)	(²)	69.20	66.40	
6.4-7#/Gal EC	Gal	28.10	28.70	25.30	25.70	
Alachlor (Lasso), 4#/Gal EC	Gal	14.40	14.50	13.80	13.70	
Atrazine (AAtrex), 4#/Gal L	Gal	73.10	74.80	76.30	78.60	
Bentazon (Basagran), 4#/Gal EC	Gal	18.00	20.80	19.60	21.10	
Butylate (Sutan), 6.7#/Gal EC	Oz	18.50	18.60	19.00	12.90	
Chlorimuron-ethyl (Classic), 25% DF	Oz	17.80	19.10	17.70	18.20	
Chlorosulfuron (Glean), 75%	Gal	28.30	29.40	30.00	31.60	
Cyanazine (Bladex), 4#/Gal EC	Lb	7.40	7.93	8.31	12.10	
DCPA (Dacthal), 75% WP	Gal	87.50	90.20	93.40	94.10	
Dicamba (Banvel), 4#/Gal EC	Lb	5.14	5.20	5.25	5.26	
Diuron (Karmex, Diurex), 80% WP	Gal	26.60	29.00	30.50	32.30	
EPTC (Eptan), 7E-(Eradicane),6.7#/Gal EC ..	Gal	54.10	55.70	56.70	56.30	
Glyphosate (Roundup), 4#/Gal EC	Gal	214	210	225	(⁹)	
Imazaquin (Scepter), 1.5#/Gal EC	Lb	10.90	11.70	12.00	11.90	
Linuron (Lorox, Linex), 50% DF	Gal	15.90	16.80	16.80	16.90	
MCPA, 4#/Gal, EC	Gal	67.70	69.40	69.50	72.60	
Metolachlor (Dual), 8#/Gal EC	Lb	27.50	27.70	27.70	22.00	
Metribuzin (Lexone or Sencor), 75% DF	Gal	35.00	36.20	37.80	39.00	
Paraquat (Gramoxone Extra), 2.5#/Gal EC ..	Gal	23.80	23.60	24.70	24.30	
MSMA (Super Arsonade), 4-6# Gal EC	Lb	8.17	8.66	8.93	9.21	
Napropamide (Devrinol), 50% WP	Gal	28.90	29.20	29.40	29.60	
Pendimethalin (Prowl),3.3#/Gal EC	Gal	112	112	101	89.60	
Sethoxydim (Poast), 1.5#/Gal EC	Gal	18.20	18.40	18.20	18.50	
Simazine (Princep), 4#/Gal EC	Lb	26.00	26.70	26.40	27.40	
Terbacil (Sinbar), 80% WP	Gal	32.80	32.60	31.40	29.90	
Trifluralin (Treflan), 4#/Gal EC	Insecticides:					
Acephate (Orthene), 75% SP	Lb	11.60	12.00	12.80	12.50	
Aldicarb (Temik), 15% G	Lb	3.65	3.62	3.70	3.70	
Azinphos-Methyl (Guthion), 50% WP	Lb	8.57	8.66	8.62	8.97	
Bt 2x (Dipel), WP	Lb	13.20	12.50	12.30	12.10	
Carbaryl, (Sevin), 80% WP	Lb	4.59	4.64	4.76	4.96	
Carbofuran (Furdan), 15% G	Lb	1.91	1.99	1.99	2.24	
Chlorpyrifos (Lorsban), 4#/Gal EC	Gal	49.30	51.10	50.70	51.00	
Cyfluthrin (Baythroid) 2#/Gal EC	Gal	450	489	479	486	
Cypermethrin, (Ammo 2.5-Cymbush 3#G)EC ..	Gal	260	256	252	264	
Diazinon, 4#/Gal EC	Gal	35.00	36.50	36.10	34.90	
Dicofol (Kelthane), 35% WP	Lb	9.34	9.98	10.20	10.60	
Dicrotophos (Bidrin), 8#/Gal EC	Gal	87.00	87.30	88.60	86.80	
Dimethoate (Cygon), 2.67#/Gal EC	Gal	27.00	31.20	32.90	34.70	
Disulfoton (Di-Syston), 8#/Gal EC	Gal	72.80	75.40	76.30	79.50	
Endosulfon (Thiodan, Phasor), 3#/Gal EC	Gal	39.70	40.30	39.10	39.40	
Esfenvalerate (Asana XL),.66#/Gal EC	Gal	145	149	148	148	
Ethion 4#/Gal EC	Gal	36.80	35.70	38.60	41.60	
Fonofos (Dyfonate II), 20% G	Lb	1.99	1.95	2.04	2.03	
Imidacloprid (Admire, Provado),	Gal	(²)	(²)	537	552	
1.6-2#/Gal EC	Gal	22.60	23.20	24.10	25.00	
Malathion, 5#/Gal EC	Gal	48.70	52.20	50.60	55.70	
Methidathion (Supracide), 2#/Gal EC	Gal	44.10	47.00	48.00	46.70	
Methomyl (Lannate) L), 1.81 #/Gal Liq.	Gal	27.30	27.50	27.30	29.40	
Methyl Parathion, 4#/Gal EC	Gal	5.09	4.99	5.13	5.32	
Oil	Gal	62.40	61.90	61.80	63.50	
Oxamyl (Vydate L), 2# L	Gal	60.70	64.10	63.10	66.70	
Oxydemeton-Methyl (Metasystox-R).	Lb	15.80	15.90	17.30	17.60	
Oxythioquinox (Morestan), 25% WP	Lb	1.98	2.03	2.14	2.24	
Phorate (Thimet), 20% G	Lb	4.91	5.44	5.79	6.22	
Phosmet (Imidan, Prolate), 50% WP	Lb	5.89	6.21	6.49	6.41	
Propargite (Comite, Omite), 30% WP	Synthetic Pyrethroids, ..					
(Pounce 2-Ambush 3.2 #/Gal) EC	Gal	154	156	159	162	
Terbufos (Counter), 15% G	Lb	1.91	2.20	2.31	2.56	
Zeta-Cyermethrin (Fury), 1.5#/Gal EC	Gal	(²)	(²)	280	290	
Other:						
Gibberellic Acid,(Ry3Up,Pro-Gibb)4.0%	Gal	227	208	202	189	
Nad Naphthalene Acetamide, 8.4 WP	Lb	56.20	55.80	61.50	62.80	

¹ Prices paid by farmers are collected, for the most part, from retail establishments located in smaller cities and towns in rural areas. Prior to 1995, recorded prices reflected a modified annual average based on frequency item was surveyed during the year. Recorded item values, 1995-98, are the U.S. April average price. ² Excludes Federal, State, and local per gallon taxes where applicable. ³ Excludes Federal excise tax. ⁴ Includes Federal, State, and local per gallon taxes. ⁵ 80,000 kernels. ⁶ Excludes cost of application, except for limestone. ⁷ Added in 1997. ⁸ Discontinued in 1997. ⁹ With hydraulic lift, transport wheels, and tires. ¹⁰ Formulation abbreviations: EC—Emulsifiable Concentrate, DF—Dry Flowable, DG—Dry Granular, G—Granular, L—Liquid, S—Solution, SP—Soluble Powder, and WP—Wettable Powder. ¹¹ Discontinued in 1998.

Table 9-36.—Agricultural commodities: Support prices per unit, United States, 1989–98^{1 2}

Commodity and unit		1989	1990	1991	1992	1993
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Basic commodities:						
Corn:						
Target price	Bushel ...	2.84	2.75	2.75	2.75	2.75
Loan rate	do	1.65	1.57	1.62	1.72	1.72
Cotton:						
American upland: ³						
Target price	Pound	0.7340	0.7290	0.7290	0.7290	0.7290
Loan rate	do	0.5000	0.5027	0.5077	0.5235	0.5235
Extra-long staple:						
Target price	do	0.9670	0.9810	0.9960	1.0580	1.0570
Loan rate	do	0.8177	0.8177	0.8299	0.8815	0.8812
Loan rate	do	0.3079	0.3157	0.3214	0.3375	0.3375
Peanuts: ⁴						
Rice:						
Target price	Cwt.	10.80	10.71	10.71	10.71	10.71
Loan rate	do	6.50	6.50	6.50	6.50	6.50
Wheat:						
Target price	Bushel ...	4.10	4.00	4.00	4.00	4.00
Loan rate	do	2.05	1.95	2.04	2.21	2.45
Tobacco:						
Flue-cured, types 11-14	Pound	1.468	1.488	1.528	1.560	1.577
Fire-cured, type 21	do	1.191	1.262	1.332	1.367	1.395
Fire-cured, types 22-23	do	1.226	1.297	1.367	1.421	1.464
Burley, type 31	do	1.532	1.558	1.584	1.649	1.683
Dark air-cured, types 35-36	do	1.044	1.107	1.169	1.217	1.255
Virginia sun-cured, type 37	do	1.052	1.115	1.177	1.208	1.233
Cigar filler, Puerto Rican, type 46	do	0.740	0.778	0.813	(⁵)	0.834
Ohio filler and Wisconsin binder, types 42-44 and 53-55	do	0.909	0.962	1.014	1.054	1.074
Barley: ⁶						
Target price	Bushel ...	2.43	2.36	2.36	2.36	2.36
Loan rate	do	1.34	1.28	1.32	1.40	1.40
Sorghum grain: ⁶						
Target price	Cwt.	4.82	4.66	4.66	4.66	4.66
Loan rate	do	2.80	2.66	2.75	2.91	2.91
Oats: ⁶						
Target price	Bushel ...	1.50	1.45	1.45	1.45	1.45
Loan rate	do	0.85	0.81	0.83	0.88	0.88
Rye: ⁶	do	1.40	1.33	1.38	1.46	1.46
Nonbasic commodities:						
Beans, dry edible	Cwt.	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Cottonseed	Ton	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Minor oilseeds ⁷	Pound	(⁵)	(⁵)	0.089	0.089	0.089
Soybeans	Bushel ...	4.53	4.50	5.02	5.02	5.02
Sugar, raw	Pound	0.1800	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing	Cwt.	10.60	10.10	10.10	10.10	10.10
Honey, extracted	Pound	0.564	0.538	0.538	0.538	0.538
Mohair	do	4.588	4.532	4.448	4.613	4.738
Wool	Pound	1.77	1.82	1.88	1.97	2.04

See footnotes at end of table.

Table 9-36.—Agricultural commodities: Support prices per unit, United States, 1989-98^{1 2}—Continued

Commodity and unit	1994	1995	1996	1997	1998
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Basic commodities:					
Corn:					
Target price	Bushel	2.75	2.75	⁽⁹⁾	⁽⁹⁾
Loan rate	do	1.89	1.89	1.89	1.89
Cotton:					
American upland: ³					
Target price	Pound	0.7290	0.7290	⁽⁹⁾	⁽⁹⁾
Loan rate	do	0.5000	0.5192	0.5192	0.5192
Extra-long staple:					
Target price	do	1.0200	0.9560	⁽⁹⁾	⁽⁹⁾
Loan rate	do	0.8503	0.7965	0.7965	0.7965
Peanuts: ⁴	do	0.3392	0.3392	0.3050	0.3050
Rice:					
Target price	Cwt. ...	10.71	10.71	⁽⁹⁾	⁽⁹⁾
Loan rate	do	6.50	6.50	6.50	6.50
Wheat:					
Target price	Bushel	4.00	4.00	⁽⁹⁾	⁽⁹⁾
Loan rate	do	2.58	2.58	2.58	2.58
Tobacco:					
Flue-cured, types 11-14	Pound	1.583	1.597	1.601	1.621
Fire-cured, type 21	do	1.407	1.430	1.455	1.498
Fire-cured, types 22-23	do	1.483	1.518	1.557	1.623
Burley, type 31	do	1.714	1.725	1.737	1.760
Dark air-cured, types 35-36	do	1.273	1.304	1.339	1.398
Virginia sun-cured, type 37	do	1.245	1.265	1.288	1.326
Cigar filler, Puerto Rican, type 46	do	0.844	0.861	⁽⁵⁾	⁽⁵⁾
Ohio filler and Wisconsin binder, types 42-44 and 53-55 ..	do	1.084	1.101	1.120	1.169
Barley: ⁶					
Target price	Bushel	2.36	2.36	⁽⁹⁾	⁽⁹⁾
Loan rate	do	1.54	1.54	1.55	1.57
Sorghum grain: ⁶					
Target price	Cwt. ...	4.66	4.66	⁽⁹⁾	⁽⁹⁾
Loan rate	do	3.21	3.21	3.23	3.14
Oats: ⁶					
Target price	Bushel	1.45	1.45	⁽⁹⁾	⁽⁹⁾
Loan rate	do	0.97	0.97	1.03	1.11
Rye: ⁶	do	1.61	1.61	⁽¹⁰⁾	⁽¹⁰⁾
Nonbasic commodities:					
Beans, dry edible	Cwt. ...	⁽⁵⁾	⁽⁵⁾	⁽⁵⁾	⁽⁵⁾
Cottonseed	Ton ...	⁽⁵⁾	⁽⁵⁾	⁽⁵⁾	⁽⁵⁾
Minor oilseeds ⁷	Pound	0.087	0.087	0.0891	0.0930
Soybeans	Bushel	4.92	4.92	4.99	5.26
Sugar, raw	Pound	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing ...	Cwt. ...	10.10	10.10	⁽¹¹⁾ 1035	⁽¹⁴⁾ 10.20
Honey, extracted	Pound	0.500	0.500	⁽¹²⁾	⁽¹²⁾
Mohair	do	4.739	4.657	⁽¹³⁾	⁽¹³⁾
Wool	Pound	2.09	2.12	⁽¹³⁾	⁽¹³⁾

¹ National averages during the marketing years for the individual crops, beginning in the years shown. ² The target price is known in the statute as the "established price". ³ 1¹/₁₆ strict low middling, micronaire 3.5 through 4.9. ⁴ For quota portion of crop. ⁵ No support program. ⁶ Grade No. 2 or better except for oats which is Grade No. 3. ⁷ Includes flaxseed, sunflower seed (oil and other), safflower, rapeseed (industrial), canola and mustard seed. ⁸ Loan rate was reduced from 63 to 61 cents per pound on December 23, 1987, because of the Omnibus Budget Reconciliation Act of 1987. ⁹ The Federal Agriculture Improvement and Reform Act of 1996 replaced the deficiency payment/production adjustment programs for the program crops with a Production Flexibility Contract program, making target prices no longer applicable beginning with the 1996/97 marketing year. ¹⁰ The rye price support program was terminated by the Federal Agriculture Improvement and Reform Act of 1996. ¹¹ As of January 1, 1996. ¹² The honey price support program was terminated by the Federal Agriculture Improvement and Reform Act of 1996. ¹³ The wool and mohair support programs terminated as of December 31, 1995, as required by Public Law 103-130. ¹⁴ As of January 1, 1997. ¹⁵ As of January 1, 1998.

Table 9-37.—Farm income: Cash receipts by commodities groups and selected commodities, United States, 1990–97¹

Commodity	1990	1991	1992	1993
	<i>100,000 dollars</i>	<i>100,000 dollars</i>	<i>100,000 dollars</i>	<i>100,000 dollars</i>
All commodities	169,526.3	167,863.7	171,380.7	177,762.1
Livestock and products	89,219.9	85,786.4	85,637.0	90,180.0
Cattle and calves	39,301.8	38,696.6	37,272.3	39,361.7
Hogs	11,525.5	11,036.1	10,016.5	10,910.8
Sheep and lambs	414.4	399.4	459.5	551.0
Dairy products	20,152.6	18,006.6	19,736.3	19,242.6
Broilers	8,365.5	8,383.0	9,176.5	10,415.8
Farm chickens	90.3	67.3	82.8	96.4
Chicken eggs	4,009.5	3,901.3	3,384.5	3,779.4
Turkeys	2,393.4	2,353.0	2,396.7	2,509.7
Ducks	8.0	7.9	8.7	8.5
Other poultry	422.4	441.1	474.2	515.8
Misc. other livestock	2,536.6	2,494.1	2,628.9	2,788.4

Commodity	1994	1995	1996	1997
All commodities	181,241.0	188,108.5	199,579.8	208,664.5
Livestock and products	88,169.0	87,018.2	93,004.8	96,567.9
Cattle and calves	36,394.8	34,004.5	31,103.3	36,094.3
Hogs	9,882.6	10,264.3	12,698.5	13,196.8
Sheep and lambs	507.2	558.8	612.7	634.1
Dairy products	19,935.2	19,893.6	22,820.3	20,989.3
Broilers	11,371.7	11,762.2	13,904.9	14,151.5
Farm chickens	77.5	61.3	61.5	72.5
Chicken eggs	3,780.3	3,879.6	4,762.1	4,530.5
Turkeys	2,643.8	2,822.2	3,075.5	2,880.5
Ducks	8.9	9.5	10.6	11.7
Other poultry	562.8	535.4	530.6	536.2
Misc. other livestock	3,004.2	3,226.8	3,424.9	3,470.6

Commodity	1990	1991	1992	1993
Crops	80,306.3	82,077.3	85,743.7	87,582.0
Food grains	7,479.8	7,325.4	8,467.5	8,179.9
Feed crops	18,669.3	19,327.3	20,098.6	20,211.0
Cotton	5,488.4	5,236.4	5,192.1	5,249.7
Tobacco	2,733.5	2,881.1	2,958.0	2,947.8
Oil crops	12,258.1	12,697.9	13,285.9	13,219.9
Vegetables	11,463.7	11,624.7	11,851.4	13,536.9
Fruits/nuts	9,416.0	9,922.9	10,178.7	10,284.1
All other crops	12,797.5	13,061.6	13,711.5	13,952.7

Commodity	1994	1995	1996	1997
Crops	93,072.0	101,090.2	106,575.0	112,096.6
Food grains	9,545.0	10,416.6	10,740.8	10,602.6
Feed crops	20,351.2	24,581.1	27,264.6	27,638.3
Cotton	6,737.7	6,851.1	6,938.2	6,515.1
Tobacco	2,656.4	2,548.4	2,796.0	2,885.6
Oil crops	14,656.7	15,496.0	16,361.6	19,911.0
Vegetables	13,893.2	14,912.9	14,560.8	15,086.0
Fruits/nuts	10,334.7	11,119.2	11,832.6	12,790.2
All other crops	14,897.2	15,164.9	15,935.4	16,667.7

¹USDA estimates and publishes individual cash receipt values only for major commodities and major producing States. The U.S. receipts for individual commodities, computed as the sum of the reported States, may understate the value of sales for some commodities, with the balance included in the appropriate category labeled "other" or "miscellaneous." The degree of underestimation in some of the minor commodities can be substantial. ² Sale of all types of citrus fruit sold before the traditional marketing year, which begins in October.

Table 9-38.—Farm income: Indicators by selected commodities, United States, 1990–97

Commodity	1990	1991	1992	1993
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Gross farm income	198,039.9	191,918.1	200,477.9	204,073.0
Gross cash income	186,912.1	184,349.8	188,722.7	200,193.0
Farm marketings	169,526.3	167,863.7	171,380.7	177,762.1
Government payments	9,298.0	8,214.4	9,168.9	13,402.0
Farm-related income	8,087.8	8,271.7	8,173.1	9,028.9
Noncash income	7,869.2	7,775.4	7,599.7	8,077.7
Value of home consumption	688.3	619.8	589.5	519.2
Rental value of dwellings ¹	7,181.2	7,155.6	7,010.2	7,558.5
Value of inventory adjustment	3,258.3	(207.1)	4,155.5	(4,197.6)
Total production expenses	153,302.1	153,279.3	152,940.4	160,506.0
Net farm income	44,737.8	38,638.8	47,537.5	43,567.0

Commodity	1994	1995	1996	1997
Gross farm income	215,770.0	210,103.6	235,791.4	238,267.2
Gross cash income	198,326.2	205,475.6	217,791.2	227,951.6
Farm marketings	181,241.0	188,108.5	199,579.8	208,664.5
Government payments	7,879.1	7,279.4	7,339.6	7,496.0
Farm-related income	9,206.1	10,087.7	10,871.8	11,791.1
Noncash income	9,161.1	9,769.6	10,223.2	10,741.0
Value of home consumption	481.0	469.4	424.5	458.3
Rental value of dwellings ¹	8,680.1	9,300.2	9,798.7	10,282.7
Value of inventory adjustment	8,282.6	(5,141.6)	7,776.9	(425.4)
Total production expenses	167,503.5	174,119.9	182,439.3	188,443.2
Net farm income	48,266.4	35,983.7	53,352.0	49,824.0

¹ Net farm income accounting is for production of goods and services in the farm sector, defined as including farm operators' dwellings.

ERS, Farm Structure and Performance Branch, (202) 694-5592. E-mail contact is rogers@econ.ag.gov.

Table 9-39.—Farm marketings: Farm marketings, government payments, and principal commodities, by States, 1998

State	Farm marketings			Government payments	Rank
	Total	Crops	Livestock and products		
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	
AL	3,227,482	796,205	2,431,277	65,785	26-Broilers, cattle/calves, cotton, chicken eggs(76%).
AK	32,426	26,152	6,274	1,490	50-Greenhouse, dairy, hay, potatoes(83%).
AR	5,862,203	2,446,386	3,415,817	274,857	11-Broilers, soybeans, rice, cotton(71%).
AZ	2,145,445	1,257,033	888,412	46,667	31-Cattle/calves, dairy, lettuce, cotton(64%).
CA	25,289,054	18,994,815	6,294,239	220,536	1-Dairy, grapes, greenhouse, cattle/calves(40%).
CO	4,399,249	1,387,670	3,011,579	175,626	17-Cattle/calves, corn, wheat, dairy(72%).
CT	496,459	278,719	217,740	1,384	43-Greenhouse, dairy, aquaculture, chicken eggs(63%).
DE	747,653	174,181	573,472	5,725	40-Broilers, soybeans, greenhouse, corn(83%).
FL	6,243,197	4,978,356	1,264,841	19,047	9-Greenhouse, oranges, tomatoes, sugar(53%).
GA	5,887,154	2,445,260	3,441,894	109,207	10-Broilers, cotton, peanuts, chicken eggs(63%).
HI	483,179	415,182	67,997	554	45-Pineapples, sugar, greenhouse, macadamia nuts(60%).
IA	12,840,692	7,310,947	5,529,745	712,901	3-Corn, soybeans, hogs, cattle/calves(91%).
ID	3,315,014	1,926,430	1,388,584	110,429	24-Cattle/calves, dairy, potatoes, wheat(68%).
IL	9,276,040	7,339,362	1,936,678	552,486	5-Corn, soybeans, hogs, cattle/calves(88%).
IN	5,506,236	3,610,023	1,896,213	265,166	14-Corn, soybeans, wheat, chicken eggs(77%).
KS	9,001,475	3,984,532	5,016,943	529,784	6-Cattle/calves, wheat, corn, sorghum grain(82%).
KY	3,632,928	1,654,874	1,978,054	83,067	21-Tobacco, horses/mules, cattle/calves, soybeans(66%).
LA	2,139,969	1,480,538	659,431	157,346	32-Cotton, sugar, rice, soybeans(54%).
MA	532,276	430,352	101,924	1,196	41-Cranberries, greenhouse, dairy, apples(71%).
MD	1,538,383	623,088	915,295	19,490	36-Broilers, greenhouse, dairy, soybeans(68%).
ME	486,119	227,767	258,352	4,197	44-Potatoes, dairy, chicken eggs, aquaculture(68%).
MI	3,587,753	2,235,720	1,352,033	121,287	22-Dairy, greenhouse, corn, soybeans(55%).
MN	8,155,006	4,100,778	4,054,228	417,049	8-Soybeans, corn, dairy, hogs(64%).
MO	5,563,617	2,768,474	2,795,143	278,066	13-Soybeans, cattle/calves, corn, hogs(65%).
MS	3,476,300	1,469,913	2,006,387	169,861	23-Broilers, cotton, soybeans, aquaculture(72%).
MT	2,063,342	1,071,848	991,494	230,918	33-Cattle/calves, wheat, barley, hay(87%).
NC	8,301,809	3,608,171	4,693,638	87,764	7-Hogs, broilers, tobacco, greenhouse(67%).
ND	3,312,959	2,702,197	610,762	361,549	25-Wheat, cattle/calves, sunflower, soybeans(64%).
NE	10,092,232	4,550,182	5,542,050	454,598	4-Cattle/calves, corn, soybeans, hogs(88%).
NH	166,070	96,733	69,337	889	48-Dairy, greenhouse, apples, cattle/calves(62%).
NJ	776,311	596,189	180,122	3,629	39-Greenhouse, dairy, cranberries, green pepper(47%).
NM	1,915,441	561,740	1,353,701	38,998	34-Cattle/calves, dairy, hay, chili pepper(80%).
NV	310,008	129,884	180,124	2,096	47-Cattle/calves, hay, dairy, onions(82%).
NY	2,895,699	1,036,861	1,858,838	39,633	28-Dairy, greenhouse, apples, cattle/calves(70%).
OH	5,344,658	3,475,782	1,868,876	186,429	16-Soybeans, corn, dairy, greenhouse(64%).
OK	4,368,998	1,307,947	3,061,051	205,601	18-Cattle/calves, wheat, hogs, broilers(75%).
OR	3,112,982	2,373,439	739,543	63,429	27-Greenhouse, cattle/calves, hay, wheat(44%).
PA	4,127,690	1,338,876	2,788,814	35,471	20-Dairy, greenhouse, cattle/calves, chicken eggs(62%).
RI	82,849	73,616	9,233	122	49-Greenhouse, dairy, sweet corn, potatoes(72%).
SC	1,695,240	898,262	796,798	43,044	35-Broilers, tobacco, greenhouse, cotton(51%).
SD	4,237,050	2,417,031	1,820,019	268,113	19-Cattle/calves, corn, soybeans, wheat(74%).
TN	2,291,672	1,286,707	1,004,965	76,209	30-Cattle/calves, soybeans, broilers, tobacco(50%).
TX	13,460,836	5,276,901	8,183,935	648,567	2-Cattle/calves, cotton, greenhouse, dairy(69%).
UT	952,959	238,069	714,890	20,095	37-Cattle/calves, dairy, hay, hogs(70%).
VA	2,400,504	862,839	1,537,665	30,590	29-Broilers, cattle/calves, dairy, tobacco (52%).
VT	512,612	96,830	415,782	3,093	42-Dairy, cattle/calves, greenhouse, hay(88%).
WA	5,382,052	3,778,284	1,603,768	147,279	15-Apples, dairy, wheat, cattle/calves(53%).
WI	5,756,477	1,686,063	4,070,414	176,572	12-Dairy, cattle/calves, corn, soybeans(77%).
WV	394,104	70,587	323,517	5,675	46-Broilers, cattle/calves, dairy, turkeys(71%).
WY	844,675	198,796	645,879	22,387	38-Cattle/calves, sugar beets, hay, sheep/lambs(83%).
US	208,664,538	112,096,591	96,567,947	7,495,953	Cattle/calves, dairy prod, corn, soybeans (46%).

ERS, Farm Structure and Performance Branch, (202) 694-5592. E-mail contact is rogers@econ.ag.gov.

Table 9-40.—Expenses: Farm production expenses, United States, 1990–97¹

Item	1990	1991	1992	1993
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Total production expenses	153,302.1	153,279.3	152,940.4	160,506.0
Feed purchased	20,387.8	19,332.8	20,133.0	21,431.2
Livestock and poultry purchased	14,641.5	14,129.1	13,574.2	14,600.5
Seed purchased	4,517.8	5,113.3	4,913.4	5,162.9
Fertilizer and lime	8,206.3	8,666.1	8,330.7	8,397.5
Pesticides	5,363.2	6,320.5	6,470.6	6,723.3
Fuel and oil	5,789.7	5,607.5	5,298.4	5,349.8
Other ¹	32,798.8	34,170.2	33,463.5	37,485.3
Interest	13,437.2	12,119.1	11,137.5	10,821.5
Contract and hired labor expenses	14,118.8	13,902.8	14,008.1	15,004.0
Net rent to nonoperator landlord ²	10,047.5	9,913.3	11,177.5	10,999.7
Capital consumption	18,131.6	18,190.0	18,317.0	18,353.3
Property taxes	5,861.9	5,814.7	6,117.0	6,177.0

Item	1994	1995	1996	1997
Total production expenses	167,503.5	174,119.9	182,439.3	188,443.2
Feed purchased	22,631.2	23,829.3	25,234.2	25,231.6
Livestock and poultry purchased	13,273.4	12,335.3	11,228.7	13,753.0
Seed purchased	5,373.1	5,461.7	6,212.0	6,710.8
Fertilizer and lime	9,179.7	10,032.8	10,934.0	10,933.4
Pesticides	7,225.0	7,726.5	8,526.3	8,827.3
Fuel and oil	5,312.0	5,427.4	6,018.7	6,223.2
Other ¹	40,518.6	42,681.2	42,991.5	44,738.0
Interest	11,735.2	12,726.4	13,220.7	13,677.5
Contract and hired labor expenses	15,311.1	16,289.8	17,535.1	18,606.3
Net rent to nonoperator landlord ²	11,774.3	11,799.5	14,300.6	13,243.3
Capital consumption	18,694.9	19,098.8	19,419.1	19,520.2
Property taxes	6,475.0	6,711.2	6,818.7	6,978.7

¹ Includes electricity, repair and maintenance, machine hire and customwork, marketing, storage and transportation, and miscellaneous expenses. ² Includes landlord capital consumption.

ERS, Farm Structure and Performance Branch, (202) 694-5560. E-mail contact is rogers@econ.ag.gov.

Table 9-41.—Average Income to Farm Operator Households, United States, 1994–97¹

Item	1994	1995	1996	1997 ²
Dollars per farm				
Net cash farm business income ³	11,389	11,218	13,502	12,460
Less depreciation ⁴	6,466	6,795	6,906	6,578
Less wages paid to operator ⁵	425	522	531	513
Less farmland rental income ⁶	701	769	672	568
Less adjusted farm business income due to other household(s) ⁷	815	649	1,094	*1,429
Dollars per farm operator household				
Equals adjusted farm business income	2,981	2,484	4,300	3,373
Plus wages paid to operator	425	522	531	513
Plus net income from farmland rental ⁸	n.a.	1,053	1,178	945
Equals farm self-employment income	3,407	4,059	6,009	4,831
Plus other farm-related earnings ⁹	970	661	1,898	1,158
Equals earnings of the operator household from farming activities	4,376	4,720	7,906	5,989
Plus earnings of the operator household from off-farm sources ¹⁰	38,092	39,671	42,455	46,358
Equals average farm operator household income comparable to U.S. average household income, as measured by the CPS	42,469	44,392	50,361	52,347
Dollars per U.S. household				
U.S. average household income ¹¹	43,133	44,938	47,123	49,692
Percent				
Average farm operator household income as percent of U.S. average household income	98.5	98.8	106.9	105.3
Average operator household earnings from farming activities as percent of average operator household income	10.3	10.6	15.7	11.4

*The relative standard exceeds 25 percent, but is no more than 50 percent. ¹Farm operator household income is defined to be consistent with definitions used in the Current Population Survey (CPS). The CPS, conducted by the Census Bureau, is the source of official U.S. household income statistics. The CPS defines income to include any income received as cash. In-kind receipts are excluded. The CPS definition departs from a strictly cash concept by including depreciation in the list of operating expenses that farm operators and other self-employed people subtract from gross receipts when they report net money income. ²Preliminary data. ³A component of farm sector income. Excludes income of contractors and landlords as well as the income of farms organized as nonfamily corporations or cooperatives and farms run by a hired manager. Includes the income of farms organized as proprietorships, partnerships, and family corporations, which are all closely held by households. ⁴Consistent with the CPS definition of self-employment income, reported depreciation expenses are subtracted from net cash farm income. The Agricultural Resource Management Study collects farm business depreciation used for tax purposes. ⁵Wages paid to the operator are subtracted here because they are not shared among other households that have claims on farm business income. These wages are added to the operator household's adjusted farm business income to obtain farm self-employment income. ⁶Gross rental income is subtracted here because net rental income from the farm operation is added below to income received by the household. ⁷More than one household per farm may have a claim on the income of a farm business. The national average is 1.1 households per farm sharing the income of a farm business. ⁸Includes net rental income from the farm business. Also includes net rental income from farmland held by household members that is not part of the farm business. In 1994, net rental income was collected as a part of off-farm income. ⁹Includes wages paid to other operator household members by the farm business and earnings (net income) from a farm business other than the one being surveyed. ¹⁰Income from wages, salaries, nonfarm businesses, interest, dividends, transfer payments, net rental income from nonfarm properties, etc. In 1994, also includes net rental income from farmland. ¹¹From the Current Population Survey.

ERS, Farm Structure and Performance Branch, (202) 694-5572. Sources: U.S. Dept. of Agriculture, Economic Research Service, 1994 and 1995 Farm Costs and Returns Survey, and 1996 and 1997 Agricultural Resource Management Study (ARMS) for farm operator household data. U.S. Dept. of Commerce, Bureau of the Census, Current Population Survey (CPS), for U.S. average household income.

Table 9-42.—Grazing fees: Rates for cattle by selected States and regions, 1996–98

State	Monthly lease rates for private non-irrigated grazing land ¹								
	Animal unit ²			Cow-calf			Per head		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>
AZ	6.50	6.50	6.70	8.00	8.50	9.50	7.00	7.90	8.30
CA	10.10	10.60	11.50	12.20	13.00	14.50	11.90	12.00	12.90
CO	11.40	11.30	11.80	13.20	13.60	13.90	10.70	10.60	11.50
ID	10.20	10.40	10.80	12.20	12.50	12.80	10.40	11.20	11.50
KS	12.00	10.50	12.90	14.00	12.80	14.80	11.00	9.80	11.90
MT	11.80	12.30	12.60	13.20	13.90	14.30	11.70	13.20	13.30
NE	18.00	18.80	19.00	21.40	22.20	23.00	18.00	18.50	19.00
NV	8.80	9.00	9.10	11.50	12.00	12.00	9.30	9.50	9.70
NM	8.87	8.79	8.80	11.30	10.30	9.75	9.37	9.00	9.70
ND	10.60	9.30	10.20	12.50	11.00	11.40	10.30	10.00	11.10
OK	7.00	8.00	9.00	8.50	8.70	9.50	8.00	7.50	8.00
OR	10.00	10.20	11.10	10.80	11.50	12.80	9.45	9.85	11.40
SD	13.20	14.00	14.20	15.00	16.40	16.50	14.80	14.40	14.80
TX	8.00	9.00	9.00	9.20	10.00	9.50	8.50	8.00	9.00
UT	9.75	9.00	10.00	11.00	11.10	11.30	11.00	11.00	11.10
WA	8.70	9.00	10.00	9.00	9.60	10.50	10.30	9.30	10.50
WY	11.00	12.00	11.90	13.00	14.00	13.80	11.10	12.20	12.30
17-State ³	10.50	11.00	11.40	12.20	12.70	13.00	10.80	10.80	11.60
16-State ⁴	11.40	11.70	12.30	13.40	13.70	14.30	11.80	11.80	12.50
11-State ⁵	10.40	10.70	11.10	12.10	12.60	13.00	10.70	11.30	11.80
9-State ⁶	10.50	11.00	11.50	12.30	12.80	13.00	10.80	10.60	11.40

¹The average rates are estimates (rates over \$10.00 are rounded to the nearest dime) based on survey indications of monthly lease rates for private, non-irrigated grazing land from the January Agricultural Survey. ² Includes animal unit plus cow-calf rates. Cow-calf rate converted to animal unit (AUM) using (1 aum=cow-calf *0.833). ³ Seventeen Western States: All States listed. ⁴ Sixteen Western States: All States, except Texas. ⁵ Eleven Western States: AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY. ⁶ Nine Great Plains States: CO, KS, NE, NM, ND, OK, SD, TX, WY.

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