

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, 1989–98

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</i> <i>1990–92=100</i>	<i>Index numbers</i> <i>1990–92=100</i>	<i>Index numbers</i> <i>1990–92=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1989	96	95	104	191.9	146.7	45.3
1990	99	99	104	198.0	153.3	44.7
1991	100	100	100	191.9	153.3	38.7
1992	101	101	98	200.5	152.6	47.9
1993	104	104	101	204.8	160.2	44.5
1994	106	106	100	216.1	166.8	49.2
1995	109	108	102	210.7	173.5	37.2
1996	115	115	112	235.7	180.8	54.9
1997	118	119	107	238.7	190.0	48.6
1998	117	115	101	233.1	189.0	44.1

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</i> <i>1992=100</i>	<i>Index numbers</i> <i>1982–84=100</i>	<i>Index numbers</i> <i>1982=100</i>
1989	4,390.6	4,016.3	99.1	124.0	118.7
1990	4,640.9	4,293.6	98.9	130.7	124.4
1991	4,755.5	4,474.8	97.0	136.2	124.1
1992	4,993.7	4,754.6	100.0	140.3	123.3
1993	5,251.1	4,935.3	103.5	144.5	125.7
1994	5,556.1	5,165.4	109.1	148.2	126.8
1995	5,876.2	5,422.6	114.4	152.4	129.0
1996	6,210.2	5,677.7	119.5	156.9	133.6
1997	6,634.9	5,982.8	126.8	160.5	134.5
1998	7,036.4	6,286.2	131.3	163.0	134.3

¹U.S. Department of Agriculture - NASS. ²U.S. Department of Agriculture - ERS. ³U.S. Department of Commerce. ⁴Federal Reserve Board. ⁵U.S. Department of Labor. ⁶Preliminary. ⁷Includes 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, Environmental, Economics, and Demographics Branch, (202) 720–3570.

Table 9-2.—Farms: Number, land in farms, and average size of farm, U.S., 1990–99¹

Year	Farms ²		Land in farms		Average size farm	
	<i>Number</i>		<i>1,000 acres</i>		<i>Acres</i>	
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	2,191,360		953,500		435	
1999 ³	2,194,070		947,340		432	

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.

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Table 9-3.—Farms: Percent of farms, land in farms, and average size, by economic sales class, United States, June 1, 1998–99

Economic sales class	Percent of total				Average size farm	
	Farms		Land		1998	1999 ¹
	1998	1999 ¹	1998	1999 ¹		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$1,000–\$2,499	26.9	27.2	4.4	4.6	71	73
\$2,500–\$4,999	14.6	15.0	4.4	4.4	131	127
\$5,000–\$9,999	12.4	12.3	5.2	5.1	182	179
\$10,000–\$19,999	10.0	10.2	5.9	6.0	257	254
\$20,000–\$39,999	9.0	8.5	7.4	7.5	358	381
\$40,000–\$99,999	10.8	10.9	16.8	16.9	677	669
\$100,000–\$249,999	9.0	9.2	23.8	23.2	1,151	1,089
\$250,000–\$499,999	4.2	3.7	14.6	13.3	1,513	1,552
\$500,000+	3.1	3.0	17.5	19.0	2,456	2,735
Total	100.0	100.0	100.0	100.0	435	432

¹Preliminary.

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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				
1997	76,050	37,300	21,700	135,050
1998	74,400	37,900	22,800	135,100
1999	75,100	37,100	22,900	135,100
NC-2				
1997	334,800	306,600	187,600	829,000
1998	333,300	304,000	188,200	825,500
1999	341,100	300,400	183,500	825,000
South-3				
1997	618,000	216,000	89,800	923,800
1998	607,700	225,000	91,000	923,700
1999	613,700	223,320	88,980	926,000
West-4				
1997	162,200	86,060	54,400	302,660
1998	165,550	85,410	56,100	307,060
1999	166,740	87,730	53,500	307,970
US:				
1997	1,191,050	645,960	353,500	2,190,510
1998	1,180,950	652,310	358,100	2,191,360
1999	1,196,640	648,550	348,880	2,194,070

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.

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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	
	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres
NE: ¹				
1997	5,475	6,100	8,800	20,375
1998	5,480	6,005	8,885	20,370
1999	5,580	5,800	8,980	20,360
NC: ²				
1997	34,500	109,900	210,600	355,000
1998	33,800	108,400	212,300	354,500
1999	33,800	108,500	211,700	354,000
South: ³				
1997	64,900	93,985	128,500	287,385
1998	64,653	93,552	128,475	286,680
1999	64,653	96,007	123,480	284,030
West: ⁴				
1997	30,500	78,500	184,250	293,250
1998	29,855	79,060	183,035	291,950
1999	29,205	77,885	181,860	288,950
US:				
1997	135,375	288,485	532,150	956,010
1998	133,788	287,017	532,695	953,500
1999	133,128	288,192	526,020	947,340

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, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Table 9-6.—Land in farms: Classification by tenure of operator, United States, 1910-98

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	Acres	Percent	Percent	Percent	Percent
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
1998 ²	900,415,615	28.6	60.2	.....	11.2

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 and 1998 is from ERS Agricultural Resource Management Study.

Table 9-7.—Farms: Classification by tenure of operator, United States, 1910–98

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
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
1998 ²	2,054,709	56.5	33.9	.....	9.6

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 and 1998 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>	<i>Million acres</i>	<i>Percent</i>
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	44.0
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	⁶ 393.0	35.7
1964	1,110.2	144.9	248.1	.....	35.7
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, 1998 and 1999

State	Farms ¹		Land in farms	
	1998	1999 ²	1998	1999 ²
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL	49,000	48,000	9,500	9,200
AK	560	570	910	910
AZ	7,800	7,700	28,100	27,500
AR	49,500	48,500	14,750	14,650
CA	89,000	89,000	28,500	27,800
CO	29,500	29,000	32,200	31,800
CT	4,100	4,000	380	370
DE	2,700	2,600	580	580
FL	45,000	45,000	10,600	10,400
GA	50,000	50,000	11,300	11,200
HI	5,500	5,500	1,440	1,440
ID	24,500	24,500	12,000	11,900
IL	79,000	79,000	27,800	27,700
IN	66,000	65,000	15,600	15,500
IA	97,000	96,000	33,000	33,000
KS	65,000	65,000	47,500	47,500
KY	90,000	91,000	13,800	13,600
LA	30,000	30,000	8,200	8,150
ME	6,900	6,900	1,270	1,270
MD	12,500	12,400	2,150	2,100
MA	6,000	6,100	570	570
MI	52,000	53,000	10,400	10,400
MN	80,000	81,000	28,900	28,800
MS	42,000	43,000	11,600	11,400
MO	110,000	110,000	30,100	30,100
MT	27,500	28,000	57,500	57,000
NE	55,000	55,000	46,400	46,400
NV	3,000	3,000	6,900	6,800
NH	3,100	3,100	420	420
NJ	9,600	9,600	830	830
NM	16,000	15,500	45,300	44,700
NY	38,000	39,000	7,800	7,800
NC	58,000	58,000	9,400	9,300
ND	31,000	30,500	39,500	39,400
OH	80,000	80,000	14,900	14,900
OK	83,000	84,000	34,000	34,000
OR	39,500	40,500	17,200	17,200
PA	60,000	59,000	7,700	7,700
RI	700	700	60	60
SC	25,000	25,000	4,900	4,850
SD	32,500	32,500	44,000	44,000
TN	91,000	91,000	11,900	11,900
TX	226,000	227,000	131,500	130,500
UT	15,000	15,500	11,600	11,600
VT	6,700	6,700	1,340	1,340
VA	49,000	50,000	8,800	8,600
WA	40,000	40,000	15,700	15,700
WV	21,000	20,500	3,700	3,600
WI	78,000	78,000	16,400	16,300
WY	9,200	9,200	34,600	34,600
US	2,191,360	2,194,070	953,500	947,340

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, Environmental, Economics, and Demographics Branch, (202) 720-6146.

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
DC	464	14	10	11	386	102	264	1,251
DE	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	498	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	77,673
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, 1994–98¹

State	Total value of land and buildings				
	Jan. 1, 1994	Jan. 1, 1995	Jan. 1, 1996	Jan. 1, 1997	Jan. 1, 1998
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
AL	11,312	12,600	12,804	13,056	13,680
AZ ²	10,395	10,665	11,017	11,368	11,938
AR	13,905	14,745	15,049	15,836	16,963
CA	65,416	65,046	69,600	71,750	74,385
CO	15,663	17,004	18,135	19,175	19,900
CT	2,321	2,261	2,261	2,261	2,261
DE	1,387	1,440	1,505	1,509	1,543
FL	22,248	22,577	23,005	23,320	23,744
GA	13,340	14,490	15,504	16,159	17,063
ID	9,516	10,248	10,890	11,520	12,240
IL	46,927	50,960	53,010	55,044	59,214
IN	23,550	25,272	27,144	29,172	32,136
IA	42,368	44,550	47,850	52,800	56,100
KS	23,943	25,466	26,268	26,838	27,408
KY	16,074	17,500	18,200	18,765	20,155
LA	8,400	9,072	9,794	9,758	9,922
ME	1,537	1,503	1,507	1,498	1,523
MD	6,710	6,820	6,842	6,930	6,678
MA	2,962	2,884	2,907	2,936	2,970
MI	12,947	14,231	15,052	15,912	17,368
MN	26,963	27,930	30,076	31,719	33,524
MS	10,199	10,898	10,912	11,466	12,180
MO	24,833	26,488	28,595	30,401	32,207
MT	15,138	16,454	16,907	16,820	16,905
NE	25,575	26,912	28,304	28,768	29,928
NV ²	1,882	2,035	2,279	2,501	2,680
NH	945	945	945	945	945
NJ	5,977	5,950	5,964	5,893	5,810
NM ²	8,072	8,451	8,587	8,744	8,821
NY	9,954	10,112	9,828	9,750	9,984
NC	15,456	16,800	18,050	19,000	19,552
ND	14,191	14,883	15,282	15,483	15,840
OH	23,556	26,250	27,118	28,161	30,396
OK	17,578	18,598	18,598	19,380	20,740
OR	13,073	14,770	16,240	16,800	16,512
PA	16,770	16,940	17,252	17,710	18,403
RI	416	423	423	423	423
SC	6,120	6,767	6,800	7,000	7,252
SD	12,641	13,288	13,640	14,300	15,312
TN	15,125	16,080	18,360	19,800	21,539
TX	68,495	69,300	71,280	72,851	77,980
UT ²	5,235	5,568	5,833	6,326	6,576
VT	1,960	1,987	1,997	1,995	2,037
VA	13,992	15,136	16,192	16,544	16,896
WA	16,116	16,906	17,584	18,212	18,683
WV	3,215	3,404	3,626	3,885	4,033
WI	16,359	17,472	18,758	19,305	20,336
WY	6,228	6,643	7,128	7,439	7,681
48 States	746,983	786,723	824,898	857,227	900,362

¹Total value of land and buildings is derived by multiplying average value per acre of farm real estate by the land in farms. ²Value of All land and Buildings adjusted to include reservation land value.

NASS, Livestock 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

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 urban and transportation areas. Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads and farm roads and lanes. ⁵Remeasurement 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, 1995–99

State	Mar. 1, 1970	Jan. 1, 1995	Jan. 1, 1996	Jan. 1, 1997	Jan. 1, 1998	Jan. 1, 1999
	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>
AL	200	1,260	1,320	1,360	1,440	1,490
AZ	70	840	880	920	987	1,020
AR	260	983	1,010	1,070	1,150	1,180
CA	479	2,220	2,400	2,500	2,610	2,630
CO	95	520	558	590	618	630
CT	921	5,950	5,950	5,950	5,950	6,100
DE	499	2,440	2,550	2,580	2,660	2,750
FL	355	2,110	2,150	2,200	2,240	2,260
GA	234	1,260	1,360	1,430	1,510	1,560
ID	177	840	900	960	1,020	1,060
IL	490	1,820	1,900	1,980	2,130	2,190
IN	406	1,620	1,740	1,870	2,060	2,110
IA	392	1,350	1,450	1,600	1,700	1,700
KS	159	535	553	565	577	580
KY	253	1,250	1,300	1,350	1,450	1,500
LA	321	1,080	1,180	1,190	1,210	1,200
ME	161	1,130	1,150	1,170	1,190	1,200
MD	640	3,100	3,110	3,150	3,180	3,300
MA	565	5,060	5,100	5,150	5,210	5,400
MI	326	1,330	1,420	1,530	1,670	1,730
MN	226	950	1,030	1,090	1,160	1,190
MS	234	886	917	980	1,050	1,080
MO	224	880	950	1,010	1,070	1,100
MT	60	277	289	291	294	296
NE	154	580	610	620	645	660
NV	53	289	332	366	392	405
NH	239	2,250	2,250	2,250	2,250	2,250
NJ	1,092	7,000	7,100	7,100	7,000	7,000
NM	42	209	212	215	217	219
NY	273	1,280	1,260	1,250	1,280	1,280
NC	333	1,750	1,900	2,000	2,080	2,160
ND	94	373	383	390	401	400
OH	399	1,750	1,820	1,890	2,040	2,100
OK	173	547	547	570	610	610
OR	150	844	928	960	960	970
PA	373	2,200	2,270	2,300	2,390	2,440
RI	734	6,500	6,500	6,500	6,500	6,500
SC	261	1,340	1,360	1,400	1,480	1,520
SD	84	302	310	325	348	355
TN	268	1,340	1,530	1,650	1,810	1,870
TX	148	525	540	554	593	595
UT	92	710	740	780	807	815
VT	224	1,450	1,490	1,500	1,520	1,550
VA	286	1,720	1,840	1,880	1,920	1,990
WA	224	1,070	1,120	1,160	1,190	1,200
WV	136	920	980	1,050	1,090	1,110
WI	232	1,040	1,130	1,170	1,240	1,280
WY	41	192	206	215	222	220
48 States	196	844	887	926	974	992

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

Table 9-15.—Land Values, cropland and pasture: By States, 1998–99

State	1998				1999			
	Cropland ¹	Irrigated cropland	Non-irrigated cropland	Pasture ²	Cropland ¹	Irrigated cropland	Non-irrigated cropland	Pasture ²
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
AL	1,260			1,100	1,290			1,130
AZ	3,800	3,800		320	3,900	3,900		330
AR	1,030	1,140	940	910	1,070	1,180	980	910
CA	5,260	5,600	1,700	1,050	5,300	5,650	1,700	1,050
CO	809	1,580	395	335	823	1,600	405	340
CT								
DE	2,620				2,700			
FL	3,230	4,000	1,600	1,450	3,190	3,950	1,600	1,500
GA	1,140	1,290	1,110	1,770	1,170	1,340	1,130	1,820
ID	1,370	1,760	680	700	1,420	1,820	720	730
IL	2,240			940	2,300			960
IN	2,100			1,270	2,160			1,300
IA	1,860			665	1,860			665
KS	655	1,010	620	367	659	1,020	623	370
KY	1,620			1,320	1,640			1,360
LA	1,060	928	1,100	1,200	1,050	960	1,080	1,190
ME								
MD	3,100			3,350	3,150			3,400
MA								
MI	1,480			890	1,530			920
MN	1,160			380	1,190			390
MS	878	1,010	840	890	902	1,050	860	900
MO	1,130	1,670	1,090	700	1,160	1,720	1,120	720
MT	463	1,310	343	197	465	1,310	345	200
NE	1,040	1,510	799	210	1,070	1,550	820	215
NV	1,850	1,850		230	1,900	1,900		235
NH								
NJ	8,000			8,800	8,000			8,800
NM	1,380	2,490	255	160	1,420	2,550	267	157
NY	1,040			530	1,080			550
NC	1,950			2,100	2,020			2,190
ND	440			144	435			142
OH	2,150			1,410	2,200			1,440
OK	577	810	564	395	579	830	565	400
OR	1,430	2,000	980	400	1,460	2,030	1,000	400
PA	2,740			1,740	2,790			1,790
RI								
SC	1,160			1,340	1,200			1,380
SD	480	810	473	173	491	800	485	175
TN	1,970			1,860	2,040			1,920
TX	701	780	680	550	698	800	670	550
UT	2,390	2,800	730	400	2,390	2,800	730	400
VT								
VA	1,880			1,800	1,950			1,870
WA	1,430	3,400	840	550	1,440	3,500	820	565
WV	1,600			860	1,650			860
WI	1,130			550	1,170			565
WY	777	940	230	160	756	910	240	155
Other States	4,290			3,900	4,350			3,910
US	1,340			489	1,370			494

¹Other cropland States include CT, ME, MA, NH, RI, and VT. ²Other pasture States include CT, DE, ME, MA, NH, RI, and VT.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

Table 9-16.—Cash rents, cropland and pasture: By States, 1998–99

State	1998				1999			
	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL	35.00			15.50	32.00			15.00
AZ	134.00	134.00			145.00	145.00		
AR	70.00	80.00	53.00		67.00	78.00	50.00	
CA		235.00		12.00		260.00		10.00
CO	56.30	90.00	18.50	5.00	61.60	100.00	17.00	4.80
CT								
DE	58.00				58.00			
FL			30.00	14.00			30.00	14.00
GA	47.00	85.00	37.00	20.60	47.30	90.00	37.20	20.80
ID	90.00	110.00	45.00		94.00	115.00	45.00	
IL	111.00			32.00	111.00			31.00
IN	98.00				99.00			
IA	113.00			34.00	113.00			31.00
KS	36.80	67.00	35.50	13.00	36.00	66.00	35.00	13.30
KY	65.00				65.00			
LA	55.00	70.00	49.00	16.00	56.90	72.80	49.60	15.50
ME								
MD	54.00				54.00			
MA								
MI	60.00				60.00			
MN	77.40			16.00	75.60			17.00
MS	55.60	67.30	47.90	14.50	58.00	72.00	49.20	13.50
MO			57.00	18.00			59.00	18.50
MT	21.60	51.50	17.00	4.50	24.00	55.90	19.00	5.00
NE	88.40	117.00	65.70	10.70	86.90	115.00	64.50	10.90
NV								
NH								
NJ	50.60				53.10			
NM				1.50				1.70
NY	32.00				31.00			
NC	43.00			22.00	45.00			21.00
ND	35.00			9.20	35.50			9.30
OH	73.20				73.70			
OK			25.60	7.80			27.00	8.30
OR	76.00	105.00	66.00		80.00	105.00	70.00	
PA	40.00			37.00	41.00			36.00
RI								
SC	22.50				22.00			
SD			36.50	9.70			38.00	10.20
TN	57.00			18.00	62.00			16.40
TX	26.00	51.00	20.00	6.60	24.00	49.00	18.00	6.90
UT		60.00		11.00		58.00		12.00
VT								
VA	35.00			15.50	35.70			15.50
WA		147.00				153.00		
WV	29.00				28.00			
WI	60.00			34.00	62.00			38.00
WY								

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

Table 9-17.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1989–98

Item	1989 ¹	1990	1991	1992	1993
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	600.8	620.0	625.5	642.8	673.7
Non-real estate:					
Livestock ²	66.2	70.9	68.1	71.0	72.8
Machinery and motor vehicles	84.1	86.3	85.9	85.4	86.5
Crops stored on and off farms ³	23.9	23.2	22.2	24.2	23.3
Purchased inputs	2.6	2.8	2.6	3.9	3.8
Financial assets:					
Investments in cooperatives	26.3	27.5	28.6	29.5	30.6
Other ⁴	10.5	10.8	11.9	13.6	15.7
Total ⁵	814.4	841.5	844.9	870.3	906.4
CLAIMS					
Liabilities:					
Real estate debt	76.0	74.7	74.9	75.4	76.0
Non-real estate debt to—					
Reporting institutions ⁶	49.6	50.5	51.3	50.4	51.7
Nonreporting creditors ⁷	12.2	12.7	13.0	13.2	14.2
Total liabilities ⁵	137.9	138.0	139.2	139.1	142.0
Proprietors' equity	676.6	703.5	705.7	731.3	764.4
Total ⁵	814.4	841.5	844.9	870.3	906.4
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	704.1	740.5	769.5	808.4	822.8
Non-real estate:					
Livestock ²	67.9	57.8	60.3	67.1	62.0
Machinery and motor vehicles	87.5	88.5	88.9	89.0	88.6
Crops stored on and off farms ³	23.3	27.4	31.7	32.2	30.1
Purchased inputs	5.0	3.4	4.4	5.1	5.3
Financial assets:					
Investments in cooperatives	30.7	31.4	31.3	31.7	31.8
Other ⁴	16.9	17.7	17.8	18.0	23.6
Total ⁵	935.5	966.7	1003.9	1051.6	1064.3
CLAIMS					
Liabilities:					
Real estate debt	77.7	79.3	81.7	85.4	89.6
Non-real estate debt to—					
Reporting institutions ⁶	53.9	55.3	57.0	61.2	63.6
Nonreporting creditors ⁷	15.2	16.2	17.4	18.8	19.6
Total liabilities ⁵	146.8	150.8	156.1	165.4	172.9
Proprietors' equity	788.7	815.9	847.8	886.2	891.4
Total ⁵	935.5	966.7	1003.9	1051.6	1064.3

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.

ERS, Farm Structure and Performance Branch, (202) 694-5586.

Table 9-18.—Farm labor: Number of workers on farms and average wage rates, United States, 1990–2000 ¹

Year	Total workers	Self-employed and unpaid workers ²	Ag service workers ³	Hired workers ^{3 4}	Hired workers ^{3 4}
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Wage rates</i>
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	1,071	7.24
Oct	(⁶)	(⁶)	263	983	7.60
Annual average		1,946.6	(⁵)	879.5	7.47
1999.					
Jan	(⁶)	(⁶)	157	705	7.94
Apr	(⁶)	(⁶)	160	867	7.83
July	(⁶)	(⁶)	319	1,155	7.58
Oct	(⁶)	(⁶)	219	989	7.83
Annual average		2,048.4	(⁵)	929	7.77
2000.					
Jan		(⁶)	170	666	8.12

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.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions, 1999^{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. 10–16, 1999</i>						
Northeast I	30	8.08	6.61	7.20	7.75	
Northeast II	25	7.79	6.13	6.99	8.01	
Appalachian I	26	7.14	7.47	7.25	7.76	
Appalachian II	22	5.60	7.39	6.39	6.89	
Southeast	28	6.84	6.84	6.84	7.18	
FL	55	7.35	7.00	7.32	8.31	
Lake	42	8.43	7.33	7.59	8.48	
Cornbelt I	29	8.01	7.82	7.89	8.46	
Cornbelt II	16	7.36	7.35	7.35	7.86	
Delta	24	6.99	6.35	6.68	7.20	
N. Plains	23	7.83	7.56	7.62	8.10	
S. Plains	48	6.49	6.58	6.53	6.93	
Mountain I	14	7.36	7.35	7.35	7.80	
Mountain II	15	7.29	7.36	7.33	*8.27	
Mountain III	16	6.66	7.06	6.75	7.18	
Pacific	45	7.80	8.93	7.96	8.70	
CA	240	7.13	8.40	7.26	7.97	
HI	7	9.38	.....	9.35	10.80
US (49 States)	705	7.23	7.31	7.25	7.94	
<i>Apr. 11–17, 1999</i>						
Northeast I	40	8.18	7.34	7.92	8.34	
Northeast II	37	7.73	6.05	7.20	7.73	
Appalachian I	30	7.17	7.02	7.14	7.50	
Appalachian II	29	6.17	6.63	6.39	6.72	
Southeast	*33	6.61	*7.59	*6.85	*7.12	
FL	54	7.40	6.90	7.37	8.18	
Lake	55	7.95	7.03	7.54	8.09	
Cornbelt I	42	7.71	7.47	7.66	8.35	
Cornbelt II	24	7.02	8.54	8.07	8.27	
Delta	32	6.41	7.28	6.59	6.81	
N. Plains	29	7.82	7.00	7.41	7.66	
S. Plains	51	6.41	6.66	6.51	7.18	
Mountain I	22	6.54	6.53	6.54	6.71	
Mountain II	18	*7.51	7.67	*7.61	*8.06	
Mountain III	20	6.77	7.58	6.96	7.65	
Pacific	58	7.25	9.98	7.49	8.02	
CA	*286	*7.20	*8.29	*7.31	*8.00	
HI	7	9.45	.....	9.38	*10.81
US (49 States)	*867	*7.23	*7.39	*7.27	*7.83	

See footnotes at end of table.

Table 9-19.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions^{1 2}, 1999—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	
<i>July 11–17, 1999</i>						
Northeast I	48	7.87	6.69	7.47	7.86	
Northeast II	49	7.17	6.45	6.98	7.34	
Appalachian I	61	6.53	7.62	6.75	7.08	
Appalachian II	40	6.25	6.57	6.37	6.89	
Southeast	40	6.44	*6.58	6.47	*6.80	
FL	45	7.25	7.30	7.26	*8.32	
Lake	88	7.35	7.15	7.29	7.73	
Cornbelt I	68	7.54	7.39	7.52	8.03	
Cornbelt II	30	7.22	8.07	7.58	7.90	
Delta	45	6.55	6.89	6.62	6.99	
No. Plains	54	7.32	7.63	7.37	7.73	
So. Plains	60	6.23	6.40	6.26	6.60	
Mountain I	31	6.17	6.97	6.43	6.61	
Mountain II	31	6.47	7.09	6.73	7.26	
Mountain III	19	6.52	6.68	6.56	7.17	
Pacific	116	7.22	8.02	7.29	7.81	
CA	*322	7.15	*8.05	*7.22	7.77	
HI	8	9.51	.....	9.53	10.88
US (49 States)	*1,155	7.05	*7.22	*7.08	7.58	
<i>October 10–16, 1999</i>						
Northeast I	44	8.21	7.58	7.99	*8.46	
Northeast II	37	7.22	6.60	7.00	7.55	
Appalachian I	43	6.88	7.45	7.03	7.48	
Appalachian II	31	6.01	7.14	6.43	6.94	
Southeast	31	6.63	7.10	6.78	*6.99	
FL	58	7.05	7.00	7.04	8.05	
Lake	72	8.42	7.71	8.18	8.64	
Cornbelt I	65	7.65	7.17	7.57	8.27	
Cornbelt II	26	7.85	7.86	7.85	8.17	
Delta	41	6.14	7.02	6.28	6.59	
No. Plains	56	7.59	7.54	7.58	7.83	
So. Plains	52	6.48	7.29	6.74	7.24	
Mountain I	30	7.06	7.40	7.17	7.36	
Mountain II	25	6.79	7.00	6.90	7.23	
Mountain III	22	6.51	7.40	6.69	7.12	
Pacific	87	8.02	7.89	8.00	8.35	
CA	261	7.25	8.03	7.30	7.86	
HI	8	9.21	.....	9.24	*10.88
US (49 States)	989	7.31	7.43	7.33	7.83	

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. * Revised.

Table 9-20.—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 9-21.—Hired farmworkers: Number of Workers and Median Weekly Earnings, 1997–99^{1 2}

Characteristics	Workers			Median Weekly Earnings ³		
	1997	1998	1999 ⁵	1997	1998	1999 ⁵
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All workers	889	875	840	250	260	280
15–19 years old	141	133	131	110	106	110
20–24 years old	131	116	124	240	243	250
25–34 years old	216	224	196	280	276	325
35–44 years old	190	185	174	280	312	338
45–54 years old	114	122	122	276	280	325
55 years old and older	96	95	93	260	250	276
Male	741	733	678	260	270	300
Female	148	142	162	204	230	240
White ⁵	465	458	425	240	269	300
Black and other races ⁵	59	91	54	250	269	260
Hispanic	365	366	361	252	250	280
Schooling completed ⁶						
Less than 5th grade	109	96	95	254	250	246
5th–8th grade	196	184	189	196	246	258
9th–12th grade (no diploma)	220	218	174	220	210	208
High school diploma	198	232	228	277	315	333
Beyond high school	165	145	154	315	300	360
Full-time (35 or more hours per week)	725	713	668	277	288	320
Part-time (less than 35 hours per week)	164	162	172	100	100	105

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. ⁴“Earnings” refers to the weekly earnings the farmworker usually earns at a farmwork job, before deductions, and includes any overtime pay or commissions. ⁵Revised. ⁶Preliminary. ⁷Excludes persons of Hispanic origin. ⁸Educational attainment levels, prior to January 1992, reflected years of schooling completed rather than degrees or diplomas received. ERS, Food Assistance, and Rural Economy Branch, (202) 694–5438.

Table 9-22.—Crops: Area, United States, 1990–99

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>
1990	89,517	72,299	307,768	326,337	2,671.5	3,504.7
1991	91,921	60,979	303,499	325,517	2,643.8	3,486.4
1992	95,908	66,284	306,763	326,593	3,323.2	3,586.6
1993	82,405	65,926	295,690	319,717	3,260.2	3,677.0
1994	92,071	65,493	308,245	324,053	3,531.9	3,748.4
1995	82,694	64,433	301,778	318,735	3,432.3	3,825.6
1996	93,817	65,968	313,549	334,049	3,371.8	3,919.2
1997	90,840	66,259	318,293	332,743	3,270.3	4,004.2
1998	88,931	62,737	311,545	330,043	3,295.5	4,021.9
1999	86,292	57,854	312,370	329,744	3,408.0	3,982.1

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, Temples, grapefruit, 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, berries, guavas, cranberries, pineapples and strawberries; nuts—walnuts, almonds, filberts, macadamias, and pistachios. NASS, Crops Branch, (202) 720–2127.

Table 9-23.—Crops: Area, yield, production, and value, United States, 1998–99¹

Crop	Area harvested ²		Yield per harvested acre ³		
	1998	1999 ⁴	Unit	1998	1999 ⁴
	1,000 acres	1,000 acres			
Grains & Hay:					
Barley ⁵	5,864.0	4,758.0	Bushel	60.0	59.2
Corn for Grain	72,589.0	70,537.0	Bushel	134.4	133.8
Corn for Silage	5,913.0	6,062.0	Ton	16.1	15.9
Hay, All	60,076.0	63,160.0	Ton	2.53	2.52
Alfalfa	23,672.0	23,985.0	Ton	3.48	3.50
All Other	36,404.0	39,175.0	Ton	1.91	1.92
Oats ⁵	2,755.0	2,453.0	Bushel	60.2	59.6
Proso Millet		540.0	Bushel		33.2
Rice	3,317.0	3,562.0	Cwt	5,669	5,908
Rye ⁵	418.0	383.0	Bushel	29.1	28.7
Sorghum for Grain	7,723.0	8,544.0	Bushel	67.3	69.7
Sorghum for Silage	308.0	320.0	Ton	11.4	11.6
Wheat, All ⁵	59,002.0	53,909.0	Bushel	43.2	42.7
Winter ⁵	40,126.0	35,572.0	Bushel	46.9	47.8
Durum ⁵	3,728.0	3,569.0	Bushel	37.0	27.8
Other Spring ⁵	15,148.0	14,768.0	Bushel	34.9	34.1
Oilseeds:					
Canola	1,076.0	1,044.0	Pound	1,448	1,306
Cottonseed			Ton		
Flaxseed	329.0	382.0	Bushel	20.4	20.6
Mustard Seed	95.6	58.8	Pound	855	816
Peanuts	1,467.0	1,427.5	Pound	2,702	2,711
Rapeseed	4.7	4.4	Pound	1,353	1,155.0
Safflower	285.0	262.0	Pound	1,446	1,545.0
Soybeans for Beans	70,441.0	72,476.0	Bushel	38.9	36.5
Sunflower	3,492.0	3,441.0	Pound	1,510	1,262
Cotton, Tobacco & Sugar Crops:					
Cotton, All	10,683.6	13,381.0	Bale	625	608
Upland	10,448.8	13,093.0	Bale	619	596
Amer-Pima	234.8	288.0	Bale	904	1,159
Sugarbeets	1,450.7	1,527.1	Ton	22.4	21.8
Sugarcane	947.1	991.2	Ton	36.6	36.0
Tobacco	717.6	644.3	Pound	2,062	1,980
Dry Beans, Peas & Lentils:					
Austrian Winter Peas	7.4	4.4	Pound	1,405	1,364
Dry Edible Beans	1,917.7	1,877.0	Pound	1,586	1,770
Dry Edible Peas	309.1	263.6	Pound	1,920	1,908
Lentils	158.5	174.5	Pound	1,223	1,368
Wrinkled Seed Peas	NA	NA	NA	NA	NA
Potatoes & Misc.:					
Coffee (HI)	6.1	6.4	Pound	1,560	1,640
Ginger Root (HI)	0.4	0.4	Pound	50,000	46,000
Hops	36.6	34.3	Pound	1,625	1,881
Maple syrup	NA	NA	NA	NA	NA
Peppermint Oil	124.0	106.3	Pound	78	71
Potatoes, All	1,387.7	1,332.6	Cwt	343	359
Winter	15.0	17.8	Cwt	199	229
Spring	90.6	84.5	Cwt	233	300
Summer	68.1	64.2	Cwt	278	298
Fall	1,214.0	1,166.1	Cwt	356	369
Spearmint Oil	27.4	24.4	Pound	109	101
Sweet Potatoes	83.8	82.9	Cwt	148	145
Taro (HI)	0.5	0.5	Pound	NA	NA

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 1998–99¹—
Continued**

Crop	Production			Value of production	
	Unit	1998	1999 ⁴	1998	1999 ⁴
		<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>
Grains & Hay:					
Barley ⁵	Bushel	352,125	281,853	686,517	552,941
Corn for Grain	Bushel	9,758,685	9,437,337	18,922,084	17,949,707
Corn for Silage	Ton	95,479	96,169	.....	.....
Hay, All	Ton	151,780	159,077	11,606,734	10,889,893
Alfalfa	Ton	82,310	83,924	6,951,140	6,254,082
All Other	Ton	69,470	75,153	4,655,594	4,645,811
Oats ⁵	Bushel	165,981	146,218	199,748	169,873
Proso Millet	Bushel ....	.....	17,910.0	.....	.....
Rice	Cwt	188,051	210,458	1,686,580	1,257,071
Rye ⁵	Bushel	12,161	10,993	30,404	25,054
Sorghum for Grain	Bushel	519,933	595,166	905,468	970,966
Sorghum for Silage	Ton	3,526	3,716	.....	.....
Wheat, All ⁵	Bushel	2,547,321	2,302,443	6,780,623	5,903,501
Winter ⁵	Bushel	1,880,733	1,699,989	4,740,361	4,059,968
Durum ⁵	Bushel	138,119	99,322	452,860	298,676
Other Spring ⁵	Bushel	528,469	503,132	1,587,402	1,544,857
Oilseeds:					
Canola	Pound	1,557,800	1,363,680	160,112	106,685
Cottonseed	Ton	5,365	6,422	687,179	562,468
Flaxseed	Bushel	6,708	7,880	33,809	31,000
Mustard Seed	Pound	81,750	48,010	11,140	5,463
Peanuts	Pound	3,963,440	3,870,200	1,125,919	991,827
Rapeseed	Pound	6,360	5,080	656	441
Safflower	Pound	411,985	404,715	58,295	55,334
Soybeans for Beans	Bushel	2,741,014	2,642,908	13,493,891	12,451,149
Sunflower	Pound	5,273,162	4,341,862	536,971	353,472
Cotton, Tobacco & Sugar Crops:					
Cotton, All	Bale	13,918.2	16,952.9	4,119,911	3,836,490
Upland	Bale	13,475.9	16,257.4	3,923,827	3,563,399
Amer-Pima	Bale	442.3	695.5	196,084	273,091
Sugarbeets	Ton	32,499	33,319	1,181,494	.....
Sugarcane	Ton	34,707	35,721	1,060,842	.....
Tobacco	Pound	1,479,867	1,275,438	2,700,795	2,329,397
Dry Beans, Peas & Lentils:					
Austrian Winter Peas	Cwt	104	60	1,248	426
Dry Edible Beans	Cwt	30,418	33,230	567,243	587,857
Dry Edible Peas	Cwt	5,934	5,030	40,994	30,294
Lentils	Cwt	1,938	2,387	21,863	27,337
Wrinkled Seed Peas	Cwt	674	658	9,535	9,860
Potatoes & Misc.:					
Coffee (HI)	Pound	9,500	10,500	24,700	21,000
Ginger Root (HI)	Pound	18,000	16,100	7,200	8,050
Hops	Pound	59,548	64,456	100,728	108,153
Maple syrup	Gallons ..	1,159	1,180	32,213	32,288
Peppermint Oil	Pound	9,727	7,537	116,037	83,790
Potatoes, All	Cwt	475,771	478,398	2,633,198	2,782,762
Spearmint Oil	Pound	2,987	2,454	32,731	24,113
Sweet Potatoes	Cwt	12,382	11,980	189,789	215,759
Taro (HI)	Pound	6,000	6,800	3,180	3,604

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 1998–99¹—
Continued**

Crop	Area harvested ²		Yield per harvested acre ³		
	1998	1999 ⁴	Unit	1998	1999 ⁴
	<i>Acres</i>	<i>Acres</i>			
Apples, commercial crop	467,600	461,900	Ton	12.50	11.60
Apricots	21,380	20,380	Ton	5.54	4.46
Avocados ⁷	65,640	NA	Ton	2.38	NA
Bananas	1,420	1,550	Ton	7.39	8.06
Berries	61,090	62,260	Ton	2.35	2.65
Cherries, sweet	57,290	58,400	Ton	3.69	3.85
Cherries, tart	40,320	39,900	Ton	4.32	3.20
Cranberries	36,600	37,200	Ton	7.44	8.59
Dates	4,900	4,900	Ton	5.08	4.57
Figs ⁶	16,300	16,300	Ton	3.15	2.75
Grapes	856,170	882,710	Ton	6.80	6.99
Guava	710	NA	Ton	10.30	NA
Kiwifruit	5,300	5,300	Ton	6.91	4.72
Nectarines	35,500	35,500	Ton	6.31	7.77
Olives	35,300	35,300	Ton	2.55	4.11
Papayas	2,120	2,100	Ton	9.43	10.00
Peaches	159,440	156,380	Ton	7.53	8.06
Pears	66,180	66,120	Ton	14.40	14.80
Pineapples	21,000	21,000	Ton	NA	NA
Plums (California)	42,000	41,500	Ton	4.48	4.72
Prunes, dried (California)	83,000	83,000	Ton	3.97	6.67
Prunes and plums, fresh basis (excluding California)	4,470	4,210	Ton	5.73	5.44
Strawberries	45,230	45,560	Ton	18.10	19.90
Oranges ⁸	828,000	831,400	Ton	16.51	11.89
Grapefruit ⁸	171,700	156,800	Ton	15.10	16.07
Lemons ⁸	62,700	61,600	Ton	14.31	12.13
Limes ⁸	2,700	2,700	Ton	7.04	8.15
Tangerines ⁸	41,500	41,100	Ton	8.67	7.96
Tangelos ⁸	12,200	11,700	Ton	10.49	9.83
Templets ⁸	6,200	6,000	Ton	16.27	13.50
K-Early Citrus ⁸	300	200	Ton	6.67	20.00
Almonds ⁹	460,000	480,000	Ton	1.02	1.65
Hazelnuts (filberts) ¹⁰	29,530	29,200	Ton	0.52	1.30
Macadamia nuts ¹⁰	19,200	18,900	Ton	1.50	1.40
Pecans ¹⁰	NA	NA	Ton	NA	NA
Pistachios ¹⁰	65,900	68,000	Ton	1.38	0.87
Walnuts ¹⁰	193,000	193,000	Ton	1.18	1.47

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 1998–99¹—
Continued**

Crop	Production			Value of production	
	Unit	1998	1999 ⁴	1998	1999 ⁴
		<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>
Apples, commercial crop	Ton	5,824.2	5,370.7	1,322,319	1,678,891
Apricots	Ton	118.5	90.8	35,358	35,395
Avocados ⁷	Ton	156.3	NA	331,938	NA
Bananas ¹²	Ton	10.5	12.5	7,350	8,500
Berries	Ton	148.6	168.4	192,371	283,185
Cherries, sweet	Ton	211.5	224.7	226,236	242,885
Cherries, tart	Ton	174.1	127.7	44,356	NA
Cranberries	Ton	272.2	319.5	211,301	NA
Dates	Ton	24.9	22.4	30,378	27,776
Figs ⁶	Ton	51.3	44.9	11,611	12,477
Grapes	Ton	5,820.0	6,169.4	2,642,188	2,945,073
Guava ¹²	Ton	7.3	NA	1,781	NA
Kiwifruit	Ton	36.6	25.0	24,544	NA
Nectarines	Ton	224.0	276.0	105,466	113,371
Olives	Ton	90.0	145.0	41,331	67,154
Papayas ¹²	Ton	20.0	21.0	12,589	15,729
Peaches	Ton	1,200.7	1,260.7	447,297	464,551
Pears	Ton	955.1	981.6	278,089	297,369
Pineapples ¹²	Ton	332.0	352.0	92,776	98,520
Plums (California)	Ton	188.0	196.0	99,388	82,041
Prunes, dried (California)	Ton	329.6	553.6	78,692	NA
Prunes and plums, fresh basis (excluding California)	Ton	25.6	22.9	7,707	4,500
Strawberries	Ton	820.2	906.6	1,001,854	1,118,401
Oranges ^{8 13}	Ton	13,670	9,886	1,965,358	1,807,444
Grapefruit ^{8 13}	Ton	2,593	2,520	268,598	338,853
Lemons ^{8 13}	Ton	897	747	240,846	260,336
Limes ^{8 13}	Ton	19	22	5,235	8,216
Tangerines ^{8 13}	Ton	360	327	96,524	118,670
Tangelos ^{8 13}	Ton	128	115	11,950	18,431
Tempos ^{8 13}	Ton	101	81	11,510	13,212
K-Early Citrus ^{8 13}	Ton	2	4	45	382
Almonds	Ton	469.3	669.4	703,590	677,280
Hazelnuts (filberts)	Ton	15.5	38.0	14,942	33,527
Macadamia nuts	Ton	28.8	26.5	37,375	35,510
Pecans	Ton	73.2	162.3	177,452	273,679
Pistachios	Ton	94.0	61.0	193,640	161,130
Walnuts	Ton	227.0	280.0	238,350	NA

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 1998–99¹—
Continued**

Crop	Area harvested ²		Yield per harvested acre ³		
	1998	1999 ⁴	Unit	1998	1999 ⁴
	<i>Acres</i>	<i>Acres</i>			
Commercial Vegetables:					
Fresh Market					
Artichokes	9,700	9,800	Cwt	90	115
Asparagus ¹¹	74,430	75,890	Cwt	27	29
Beans, lima	2,000	2,900	Cwt	20	35
Beans, snap	87,800	90,600	Cwt	56	61
Broccoli ¹¹	134,300	137,300	Cwt	129	145
Brussel sprouts	3,200	3,200	Cwt	160	130
Cabbage	76,280	74,850	Cwt	314	295
Cantaloups	100,560	109,650	Cwt	214	210
Carrots ¹¹	112,100	106,630	Cwt	332	355
Cauliflower ¹¹	44,200	46,400	Cwt	156	167
Celery	27,200	27,500	Cwt	662	681
Corn, sweet	237,400	242,300	Cwt	111	112
Cucumbers	57,280	59,900	Cwt	197	199
Eggplant	3,200	2,800	Cwt	240	254
Escarole/endive	2,930	2,880	Cwt	198	182
Garlic	38,000	40,000	Cwt	145	165
Honeydew melons	25,500	28,500	Cwt	192	215
Lettuce, head	198,400	199,100	Cwt	320	366
Lettuce, leaf	46,220	42,180	Cwt	223	226
Lettuce, Romaine	37,450	37,570	Cwt	285	278
Onions	166,340	169,200	Cwt	397	422
Peppers, bell	56,680	58,220	Cwt	257	263
Spinach	22,800	24,300	Cwt	130	130
Tomatoes	121,710	131,680	Cwt	268	270
Watermelons	169,390	175,960	Cwt	218	235
Processing:					
Beans, lima	50,640	54,980	Ton	1.47	1.23
Beans, snap	198,700	212,150	Ton	3.68	3.67
Beets	6,610	7,300	Ton	15.66	16.05
Cabbage for sauerkraut	7,050	6,180	Ton	24.48	28.78
Carrots	23,780	23,060	Ton	23.10	24.96
Corn, sweet	467,300	466,800	Ton	6.97	7.06
Cucumbers for pickles	102,870	102,800	Ton	5.77	5.96
Peas, green	273,900	271,640	Ton	1.77	1.70
Spinach	12,700	13,380	Ton	8.68	8.57
Tomatoes	299,960	350,410	Ton	31.34	36.63

See footnotes at end of table.

Table 9-23.—Crops: Area, yield, production, and value, United States, 1998–99¹—Continued

Crop	Production			Value of production	
	Unit	1998	1999 ⁴	1998	1999 ⁴
		<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>
Commercial Vegetables:					
Fresh Market					
Artichokes	Cwt	873	1,125	61,633	63,673
Asparagus ¹¹	Cwt	1,979	2,191	199,482	234,085
Beans, lima	Cwt	40	102	1,280	2,550
Beans, snap	Cwt	4,883	5,530	238,858	255,650
Broccoli ¹¹	Cwt	17,351	19,910	511,681	454,873
Brussel sprouts	Cwt	512	416	20,985	14,731
Cabbage	Cwt	23,946	22,069	303,695	229,853
Cantaloups	Cwt	21,492	22,988	383,128	392,993
Carrots ¹¹	Cwt	37,233	37,837	445,118	642,352
Cauliflower ¹¹	Cwt	6,897	7,742	226,560	217,328
Celery	Cwt	18,000	18,727	220,623	219,625
Corn, sweet	Cwt	26,311	27,248	452,410	458,632
Cucumbers	Cwt	11,263	11,921	225,587	217,504
Eggplant	Cwt	768	712	21,912	21,492
Escarole/endive	Cwt	580	524	18,176	14,111
Garlic	Cwt	5,510	6,600	207,511	198,990
Honeydew melons	Cwt	4,887	6,132	103,291	126,717
Lettuce, head	Cwt	63,401	72,799	1,023,427	971,205
Lettuce, leaf	Cwt	10,309	9,513	295,686	230,278
Lettuce, Romaine	Cwt	10,665	10,437	236,282	178,774
Onions	Cwt	66,024	71,379	826,141	654,282
Peppers, bell	Cwt	14,556	15,321	506,610	465,551
Spinach	Cwt	2,970	3,153	106,437	96,774
Tomatoes	Cwt	32,628	35,492	1,149,713	919,935
Watermelons	Cwt	36,974	41,325	285,248	268,031
Processing:					
Beans, lima	Ton	74,500	67,580	33,722	31,607
Beans, snap	Ton	730,990	778,430	125,373	134,501
Beets	Ton	103,530	117,200	6,361	6,976
Cabbage for sauerkraut	Ton	172,550	177,880	7,720	8,647
Carrots	Ton	549,280	575,640	37,537	39,758
Corn, sweet	Ton	3,255,560	3,297,910	238,748	234,448
Cucumbers for pickles	Ton	593,720	612,650	140,553	146,811
Peas, green	Ton	483,900	461,590	136,584	126,925
Spinach	Ton	110,190	114,720	14,144	15,019
Tomatoes	Ton	9,402,010	12,836,020	613,954	912,988

¹Hawaii is included in commercial vegetables and in area and production of sugarcane, but is excluded from other crops. ²Bearing acreage for citrus and noncitrus fruits and nuts. ³Yield per bearing acreage for citrus and noncitrus fruits and nuts. ⁴Preliminary. ⁵Includes area seeded in preceding fall. ⁶Fresh basis. ⁷Year of bloom. ⁸Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the year of harvest. ⁹Yield derived from shelled basis. ¹⁰Yield derived from the in-shell basis. ¹¹For breakdown between fresh market and processing, see individual crop tables. ¹²Utilized production. ¹³Equivalent packinghouse–door returns. NA-not available.

Table 9-24.—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 9-25.—Livestock and livestock products: Production and value, United States, 1996–98

Product	Production ¹			Value of production		
	1996	1997	1998 ²	1996	1997	1998 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	40,883,614	41,110,640	41,565,143	22,070,443	24,804,171	24,100,122
Sheep and lambs	572,344	602,535	555,689	440,686	489,564	355,581
Hogs	23,080,309	23,979,220	25,766,346	11,902,326	12,551,845	8,637,299
Broilers ³	36,479,100	37,540,750	38,553,600	13,903,479	14,158,926	15,144,551
Mature chickens	900,652	925,499	934,568	59,187	71,461	75,542
Turkeys	7,222,834	7,225,059	7,002,768	3,124,496	2,884,377	2,661,706
Milk	154,006,000	156,091,000	157,441,000	23,002,715	21,125,886	24,520,387
Wool (shorn)	56,159	53,578	49,255	39,270	44,909	29,415
Mohair ⁴	6,814	5,054	2,896	15,341	12,562	10,016
Catfish ⁵ .....	.....	.....	.....	425,383	426,827	475,309
Trout ⁶ .....	.....	.....	.....	71,998	79,765	78,911
Honey	199,511	196,536	220,316	177,166	147,795	147,254
Eggs	<i>Millions</i> 76,377	<i>Millions</i> 77,532	<i>Millions</i> 79,690	4,776,252	4,539,929	4,349,521

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, and TX. ⁵ Includes eggs, fingerlings and stockers. ⁶ Includes eggs, fingerlings and stockers, Sep 1 - Aug 31.
NASS, Livestock Branch, (202) 720-3570.

Table 9-26.—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 9-27.—U.S. farm foods: Marketing bill, farm value, and consumer expenditures, 1989–98¹

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>
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	444.6	121.9	566.5
1993	379.6	109.6	489.2	1998 ²	465.8	118.8	584.6

¹ The 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. ² Preliminary.

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

Table 9-28.—Farm food products: Marketing costs, United States, 1989–98

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>
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	20.7	109.0	424.5
1997	216.9	48.7	23.6	20.2	21.3	113.9	444.6
1998 ⁴	227.9	50.4	24.4	20.7	22.2	120.2	465.8

¹ Includes employee wages or salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. ² Includes 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. ³ The 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. ⁴ Preliminary.

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

Table 9-29.—Price components: Market basket of farm-originated food products by food group, United States, 1989–98¹

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>
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	160	106	189	23	178	108	187	7
1998 ⁵	163	103	195	22	181	94	193	6

	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>
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	144	101	189	36	220	128	264	19
1998 ⁵	142	85	200	30	237	133	287	18

	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>
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	146	98	189	32	142	109	154	21
1998 ⁵	151	113	186	36	147	119	157	22

	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>
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	157	121	198	41	148	116	158	19
1998 ⁵	157	126	193	43	151	115	162	18

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.

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

Table 9-30.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1997 and 1998

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1997 ²	1998 ²	1997	1998	
	Dollars	Dollars	Dollars	Dollars	
Basic commodities:					
Cotton:					
American Upland	pound	0.652	0.602	1.70	1.71
Extra long staple	pound	1.014	0.924	2.27	2.24
Wheat	bushel	3.38	2.65	9.44	9.64
Rice	cwt	9.70	8.50	25.60	26.80
Corn	bushel	2.43	1.94	6.33	6.54
Peanuts	pound	0.283	0.284	0.651	0.644
Tobacco:					
Flue-cured, types 11-14	pound	1.720	1.756	3.79	3.80
Va., fire-cured, type 21	pound	2.125	1.936	3.53	3.71
Ky.-Tenn., fire-cured, types 22-23	pound	2.256	2.225	4.59	4.74
Burley, type 31	pound	1.885	1.903	3.92	4.00
Maryland, type 32 ⁴	pound	1.576	1.291	3.41	3.31
Dark air-cured, types 35-36	pound	2.017	1.955	3.83	3.98
Sun-cured, type 37	pound	1.908	1.709	3.17	3.32
Pa., seedleaf, type 41	pound	1.600	1.300	2.67	2.84
Cigar binder type 51	pound	7.273	5.499	6.50	7.46
Puerto Rican filler, type 46	pound	.....	.....	2.62	2.64
Cigar filler types 54-55	pound	1.505	1.497	3.15	3.25
Designated nonbasic commodities:					
All milk, sold to plants	cwt	13.36	15.41	29.20	29.30
Fluid market	cwt	13.40	15.44	.....	.....
Manufacturing grade	cwt	12.17	14.33	.....	.....
Honey, all	pound	0.752	0.655	1.30	1.31
Wool and mohair:					
Wool ⁵	pound	0.840	0.600	4.09	4.12
Mohair ⁶	pound	2.25	2.48	10.90	11.00
Other nonbasic commodities:					
Field crops and miscellaneous:					
Barley	bushel	2.38	1.98	5.77	5.89
Beans, dry edible	cwt	19.30	19.00	49.70	50.20
Cottonseed	ton	121.00	129.00	232.00	239.00
Crude pine gum	barrel	.....	.....	211.00	212.00
Flaxseed	bushel	5.81	5.05	11.30	11.90
Hay, all, baled	ton	100.00	84.60	180.00	188.00
Hops	pound	1.60	1.62	3.62	3.60
Oats	bushel	1.60	1.10	3.59	3.61
Peas, dry edible	cwt	7.40	5.90	28.60	28.80
Peppermint oil	pounds	12.90	11.60	30.30	30.70
Popcorn, shelled basis	cwt	.....	.....	27.40	27.60
Potatoes	cwt	5.64	5.56	12.70	12.80
Rye	bushel	3.75	2.49	4.59	4.96
Sorghum grain	cwt	3.95	2.97	10.00	10.30
Soybeans	bushel	6.47	4.93	13.70	14.10
Spearmint oil	pound	11.90	10.90	28.90	28.70
Sweetpotatoes	cwt	15.80	15.30	18.90	24.60
Tobacco:					
Cigar wrapper, type 61	pound	.....	.....	39.10	39.30
Fruits:					
Citrus (equiv. on-tree): ⁷					
Grapefruit	box	1.93	2.00	10.70	10.70
Lemons	box	8.36	6.57	17.40	17.50
Limes, Florida	box	6.93	6.90	19.70	18.50
Oranges	box	4.22	4.29	13.60	13.70
Tangelos, Florida	box	2.19	1.66	.....	.....
Tangerines	box	9.48	8.84	28.80	29.00
Temples, Florida	box	3.22	3.07	11.40	11.50
Deciduous and other:					
Apples:					
For all sales	pound	0.154	0.123	.....	.....
For fresh consumption ⁸	pound	0.221	0.171	0.439	0.435
For processing ⁹	ton	130.00	98.00	277.00	279.00
Apricots:					
For all sales	ton	332.00	327.00	.....	.....
For fresh consumption ¹⁰	ton	558.00	578.00	2,230.00	2,140.00
Dried, California (dried basis) ⁹	ton	1,810.00	1,860.00	4,680.00	4,530.00
For processing (except dried) ⁹	ton	275.00	260.00	642.00	630.00
Avocados ¹⁰	ton	1,560.00	1,480.00	2,140.00	2,150.00

See footnotes at end of table.

Table 9-30.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1997 and 1998—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1997 ²	1998 ²	1997	1998	
	Dollars	Dollars	Dollars	Dollars	
Deciduous and other—Con.					
Berries for processing:					
Blackberries (Oregon)	pound	0.403	0.448	0.939	0.946
Boysenberries (California & Oregon)	pound	0.579	0.525	1.330	1.340
Gooseberries	pound	.....	.....	0.565	0.569
Loganberries (Oregon)	pound	1.190	0.864	0.914	0.920
Raspberries, black (Oregon)	pound	1.900	2.100	1.610	1.620
Raspberries, red (Oregon & Washington)	pound	0.489	0.391	1.280	1.290
Cherries:					
Sweet	ton...	1,250.00	1,090.00	2,230.00	2,330.00
Tart	pound...	0.159	0.143	0.550	0.554
Cranberries ¹¹	barrel...	63.70	41.60	108.00	108.00
Dates, California ¹⁰	ton...	11.00	1,130.00	1,970.00	1,920.00
Figs, California	ton...	265.00	248.00	.....	.....
Grapes:					
For all sales	ton...	402.00	417.00	.....	.....
Raisin varieties dried, California (dried basis) ⁹	ton...	908.00	1,200.00	2080.00	2070.00
Nectarines (California):					
For all sales	ton...	375.00	472.00	.....	.....
For fresh consumption ¹⁹	ton...	.....	.....	933.00	936.00
For processing ¹⁹	ton...	.....	.....	73.00	72.70
Olives (California): ¹²					
For all sales	ton...	642.00	459.00	.....	.....
Crushed for oil	ton...	11.00	11.00	25.60	24.70
For all sales (except crushed)	ton...	.....	.....	.....	.....
For canning	ton...	760.00	590.00	1,420.00	1,430.00
Peaches:					
For all sales	pound...	0.177	0.189	.....	.....
For fresh consumption ⁹	pound...	0.244	0.294	0.608	0.608
Dried, California (dried basis) ⁹	ton...	612.00	550.00	2,120.00	1,910.00
For processing California (except dried):					
Clingstone ¹²	ton...	260.00	219.00	467.00	479.00
Freestone ⁹	ton...	194.00	188.00	406.00	409.00
Pears:					
For all sales	ton...	276.00	291.00	.....	.....
For fresh consumption ⁹	ton...	329.00	371.00	761.00	785.00
Dried, California (dried basis) ⁹	ton...	1,020.00	1,500.00	2,120.00	2,170.00
For processing (except dried) ⁹	ton...	213.00	197.00	450.00	458.00
Plums (California):					
For all sales ¹⁰	ton...	312.00	529.00	.....	.....
For fresh consumption ¹⁹	ton...	.....	.....	812.00	810.00
For processing ¹⁹	ton...	.....	.....	53.20	27.30
Prunes, dried (California) ⁹	ton...	798.00	836.00	1,850.00	1,860.00
Prunes and plums (excl. California):					
For fresh consumption ¹³	ton...	448.00	476.00	844.00	888.00
For processing (except dried) ⁹	ton...	134.00	162.00	320.00	331.00
Strawberries:					
For fresh consumption ¹⁴	pound...	0.656	0.740	1.27	1.28
For processing ⁹	pound...	0.271	0.318	0.591	0.584
Sugar crops:					
Maple sirup	gallon...	27.10	27.20	.....	.....
Sugarbeets	ton...	38.80	35.50	89.20	89.80
Sugarcane for sugar	ton...	28.10	28.20	66.20	66.60
Tree nuts: ¹⁵					
Almonds	pound...	1.56	1.40	3.21	3.28
Hazelnuts	ton...	899.00	964.00	1,760.00	1,750.00
Pecans, all	pound...	0.774	1.210	1.96	2.03
Improved	pound...	0.933	1.350	.....	.....
Seedling	pound...	0.530	0.772	.....	.....
Walnuts	ton...	1,430.00	1,010.00	2,240.00	2,260.00

See footnotes at end of table.

Table 9-30.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1997 and 1998—Continued

Commodity and unit		Marketing year average price ¹		Parity price ³	
		1997 ²	1998 ²	1997	1998
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Vegetables for fresh market:¹⁴					
Artichokes, California	cwt...	79.50	69.10	68.90	69.40
Asparagus	cwt...	108.00	126.00	188.00	198.00
Broccoli	cwt...	29.10	30.80	55.10	56.00
Cabbage	cwt...	11.10	13.10	20.90	21.00
Cantaloups	cwt...	18.00	18.50	32.30	32.50
Carrots ¹⁵	cwt...	12.90	12.30	23.50	26.70
Cauliflower ¹⁶	cwt...	32.30	36.20	63.30	64.20
Celery ¹⁶	cwt...	14.70	12.20	27.70	28.40
Cucumbers	cwt...	17.70	19.50	34.50	34.80
Eggplant	cwt...	23.90	28.10	36.50	36.80
Escarole/Endive	cwt...	23.80	31.30	47.00	47.30
Garlic, California	cwt...	47.90	34.80	44.40	44.70
Green peppers ¹⁶	cwt...	32.10	33.70	54.50	54.90
Honeydew melons	cwt...	18.90	20.30	36.40	37.40
Lettuce	cwt...	17.60	15.20	32.40	32.60
Onions ¹⁶	cwt...	11.90	14.30	25.90	26.20
Snap beans	cwt...	40.60	48.20	68.30	68.80
Spinach	cwt...	31.30	36.50	59.80	60.20
Sweet corn	cwt...	17.70	17.60	35.90	36.90
Tomatoes	cwt...	31.70	35.00	65.60	66.80
Watermelons	cwt...	7.64	7.71	12.80	12.90
Vegetables for processing:⁹					
Asparagus	ton...	1,220.00	1,220.00	2,290.00	2,330.00
Beets	ton...	66.70	61.30	118.00	119.00
Cabbage	ton...	45.20	44.10	91.10	91.70
Cucumbers	ton...	234.00	227.00	.....	.....
Green peas	ton...	288.00	282.00	558.00	570.00
Lima beans	ton...	458.00	451.00	1,020.00	1,020.00
Snap beans	ton...	176.00	169.00	386.00	389.00
Spinach	ton...	105.00	128.00	220.00	221.00
Sweet corn	ton...	74.90	73.60	153.00	156.00
Tomatoes	ton...	60.70	57.70	141.00	140.00
Livestock and livestock products:					
All beef cattle	cwt...	63.10	59.60	151.00	151.00
Cows	cwt...	34.80	33.70	.....	.....
Steers and heifers	cwt...	66.80	62.80	.....	.....
Calves	cwt...	78.90	78.80	192.00	192.00
Beeswax	pound...	.....	.....	4.41	4.44
Chickens:					
Excluding broilers, live	pound...	0.077	0.080	.....	.....
Broilers, live	pound...	0.377	0.393	.....	.....
All Eggs	dozen...	0.703	0.655	1.42	1.44
Hogs	cwt...	52.90	34.40	103.00	102.00
Lambs	cwt...	90.30	72.30	152.00	154.00
Milk cows ¹⁷	head...	1,100.00	1,120.00	.....	.....
Milk, retail ¹⁸	quart...	0.733	0.814	.....	.....
Sheep	cwt...	37.90	30.60	61.50	62.80
Turkeys, live	pound...	0.399	0.380	0.380	0.877

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 1996-97 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.

Table 9-31.—Producer prices: Index numbers, by groups of commodities, United States, 1990–99
[1982=100]

Year	Total finished goods	Consumer foods	Finished goods ¹	Total consumer goods	Total intermediate materials	Total crude materials
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	130.7	134.3	126.4	128.9	123.0	96.7
1999 ²	133.1	135.1	130.6	132.1	123.2	98.2

¹ Excluding consumer foods. ² Preliminary.

ERS, Food Marketing Branch, (202) 694–5389. Compiled from reports of the U.S. Department of Labor.

Table 9-32.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1990–99¹
[1910–14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit & nuts ²	Commercial vegetables	Other crops
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	785	510
1994	377	381	559	1,532	600	632	731	517
1995	426	400	653	1,559	568	680	806	525
1996	497	521	626	1,592	700	824	740	532
1997	406	418	573	1,570	715	760	818	532
1998	327	357	546	1,572	586	766	795	532
1999 ⁴	290	312	453	1,542	453	830	741	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
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	505	1,011	787	295	768	643	47
1994	556	520	910	797	298	727	634	45
1995	541	553	868	783	300	707	646	44
1996	576	624	882	914	337	761	712	47
1997	457	570	933	820	319	755	679	43
1998	501	523	804	950	329	740	642	42
1999 ⁴	512	484	830	900	307	728	612	40

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.

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

Table 9-33.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1990–99¹
(1990–92=100)

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit & Nuts ²	Commercial vegetables	Other Crops
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	117	103
1994	119	106	109	101	110	90	109	105
1995	134	112	127	103	104	97	121	106
1996	157	146	122	105	128	118	111	108
1997	128	117	112	104	131	109	122	108
1998	103	100	107	104	107	110	119	108
1999 ⁴	91	88	88	102	83	119	111	108

Year	Potatoes and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and live-stock products	All farm products	Ratio ³
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	93
1996	114	127	87	114	120	99	112	98
1997	90	116	92	102	113	98	107	90
1998	99	106	79	119	117	97	101	88
1999 ⁴	101	98	82	112	109	95	97	84

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.

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

Table 9-34.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1989–98
(1990–92=100)

Production indexes									
Year	Production (all commodities)	Feed	Livestock & Poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and Repairs	Autos and trucks
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	89	109	111
1995	108	103	82	110	121	116	89	112	115
1996	115	129	75	115	125	119	102	115	118
1997	118	125	94	119	121	120	106	118	119
1998	115	110	88	122	112	122	88	119	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					
1989	94	96	91	.....	106	91	95	97	96
1990	96	99	96	96	107	95	96	99	99
1991	100	100	98	100	100	101	100	100	100
1992	104	101	103	104	93	104	105	101	101
1993	107	106	110	100	87	108	108	103	104
1994	113	109	110	108	94	106	111	106	106
1995	120	114	115	117	102	109	114	108	109
1996	125	115	116	128	106	112	117	115	115
1997	128	118	116	136	106	115	123	118	118
1998	133	118	117	134	109	119	129	116	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.

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

Table 9-35.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1989–98
[1910–14=100]

Year	Family living	Production indexes							
		Production (all commodities)	Feed	Livestock and poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and repairs
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	973	480	1,308	983	376	624	802	713
1992	1,327	979	485	1,223	976	366	638	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	689	776
1995	1,447	1,051	502	1,047	1,088	444	717	690	798
1996	1,490	1,118	631	962	1,142	458	736	789	816
1997	1,525	1,151	600	1,179	1,179	443	745	816	835
1998	1,548	1,114	538	1,126	1,208	412	753	682	846

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					
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	2,724	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	1,304	2,367	2,828	4,140	1,419	1,416
1995	3,053	3,009	1,553	1,384	2,548	2,915	4,278	1,456	1,454
1996	3,126	3,128	1,569	1,442	2,652	3,001	4,389	1,540	1,531
1997	3,161	3,228	1,602	1,477	2,662	3,093	4,591	1,586	1,575
1998	3,152	3,331	1,605	1,472	2,739	3,185	4,836	1,556	1,555

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, Environmental, Economics, and Demographics Branch, (202) 720–3570.

Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 1996–99¹

Commodity	Unit	1996	1997	1998	1999
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fuels and energy:					
Diesel fuel ^{2 3}	Gal	0.920	0.874	0.740	0.728
Gasoline, service station, unleaded ⁴	Gal	1.22	1.23	1.06	1.10
Gasoline, service station, bulk delivery ⁴	Gal	12.6	1.26	1.09	1.13
L. P. gas, bulk delivery ²	Gal	0.804	0.852	0.764	0.699
Feeds:					
Alfalfa Meal	Cwt	12.30	13.60	13.80	12.80
Alfalfa Pellets	Cwt	12.40	13.40	13.60	12.80
Bran	Cwt	13.00	14.20	13.80	13.40
Beef Cattle Concentrate.					
32–36% Protein	Ton	316	325	292	258
Corn Meal	Cwt	10.60	9.30	8.57	754
Cottonseed Meal, 41%	Cwt	16.80	17.20	16.00	14.60
Dairy Feed					
14% Protein	Ton	216	202	186	167
16% Protein	Ton	225	215	194	180
18% Protein	Ton	238	230	206	181
20% Protein	Ton	239	238	207	186
32% Protein Conc.	Ton	333	362	302	272
Hog Feed					
14–18% Protein	Ton	252	252	227	200
38–42% Protein Conc.	Ton	351	389	317	280
Molasses, Liquid	Cwt	11.80	12.20	11.90	12.00
Poultry Feed:					
Broiler Grower	Ton	265	270	257	242
Chick Starter	Ton	280	284	268	242
Laying Feed	Ton	258	251	224	208
Turkey Grower	Ton	312	305	278	261
Soybean Meal, 44%	Cwt	15.60	17.70	14.30	12.20
Stock Salt	50 Lb	3.82	3.92	3.91	3.99
Trace Mineral Blocks	50 Lb	4.90	5.05	4.98	4.98

See footnotes at end of table.

Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 1996-99¹—Continued

Commodity	Unit	1996	1997	1998	1999
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fertilizer:⁵					
0-15-40	Ton	186	182	189	195
0-18-36	Ton	183	180	191	192
0-20-20	Ton	194	185	195	200
3-10-30	Ton	170	164	165	178
5-10-10	Ton	155	153	148	151
5-10-15	Ton	171	159	167	170
5-10-30	Ton	181	174	177	184
5-20-20	Ton	196	185	190	193
6- 6- 6	Ton	175	178	188	197
6- 6-18	Ton	193	193	214	209
6-12-12	Ton	167	159	156	164
6-24-24	Ton	232	224	228	231
8- 8- 8	Ton	161	160	155	159
8-20- 5	Ton	217	219	226	248
8-32-16	Ton	251	239	236	235
9-23-30	Ton	220	210	214	215
10- 3- 3	Ton	146	146	(⁶)	(⁶)
10- 6- 4	Ton	181	180	164	151
10-10-10	Ton	176	173	172	171
10-20-10	Ton	217	209	202	200
10-20-20	Ton	226	224	222	213
10-34- 0	Ton	255	253	260	252
11-52- 0	Ton	310	289	283	277
13-13-13	Ton	205	196	197	193
15-15-15	Ton	242	239	231	215
16- 0-13	Ton	171	175	160	131
16- 4- 8	Ton	231	230	236	228
16- 6-12	Ton	184	177	170	163
16-16-16	Ton	290	272	279	264
16-20- 0	Ton	259	247	250	244
17-17-17	Ton	236	226	216	212
18-46- 0 (DAP)	Ton	294	272	264	264
19-19-19	Ton	242	233	222	216
24- 8- 0	Ton	189	180	162	156
Ammonium Nitrate	Ton	233	227	193	181
Anhydrous Ammonia	Ton	303	303	253	211
Aqua Ammonia	Ton	113	111	118	97.30
Limestone, Spread on field	Ton	17.50	18.20	18.50	18.10
Muriate of Potash, 60-62% K ₂ O	Ton	153	152	163	168
Nitrate of Soda	Ton	256	265	266	265
Nitrogen Solutions.					
28% N	Ton	171	157	133	122
30% N	Ton	182	160	134	128
32% N	Ton	185	175	148	133
Sulfate of Ammonia	Ton	184	185	187	171
Superphosphate, 44-46% P ₂ O ₅	Ton	258	257	253	255
Urea, 44-46% Nitrogen	Ton	278	257	195	176
Farm Machinery:					
Baler, Pick-Up, Automatic Tie, P.T.O.					
Square Conventional, Under 200 Lb Bales	Each	13,800	14,600	15,200	15,400
Round, 1200-1500 Lb Bale	Each	17,100	16,900	17,300	17,700
Round, 1900-2200 Lb Bale	Each	(⁷)	21,600	22,300	22,800
Chisel Plow, Maximum 1 Foot Depth of Tillage, Chisel or Sweep Type, Drawn or Mounted, 16-20 Foot					
Each	Each	10,300	11,300	11,700	12,300
Combine, Self Propelled with Grain Head					
Extra-large capacity	Each	(⁷)	155,000	162,000	163,000
Large capacity	Each	137,000	135,000	140,000	142,000
Corn Head for Combine					
6 Row	Each	20,800	21,700	22,400	22,600
8 Row	Each	(⁷)	28,500	29,000	29,500
Cotton Picker, Self Propelled, with spindle, 4-Row					
Each	Each	192,000	195,000	198,000	207,000
Cultivator, Row Crop					
6-Row	Each	5,410	5,680	5,900	5,670
12-Row, Flexible	Each	11,900	12,500	13,500	13,300
Disk Harrow, Tandem, Drawn⁸					
15-17 Foot	Each	10,900	12,100	12,200	12,700
18-20 foot	Each	15,700	16,100	16,600	17,300

See footnotes at end of table.

Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 1996-99¹—Continued

Commodity	Unit	1996	1997	1998	1999
		Dollars	Dollars	Dollars	Dollars
Elevator, Portable, Without Power Unit, Auger Type, 8 Inch Diameter, 60 Foot	Each	3,760	3,660	3,660	3,870
Feed Grinder-Mixer, Trailer Mtd., P.T.O.	Each	11,800	12,200	12,900	12,900
Field Cultivator, Mounted or Drawn					
17-19 Foot	Each	8,280	9,060	9,670	9,920
20-25 Foot, Flexible	Each	12,100	12,500	13,500	13,800
Forage Harvester, P.T.O., Shear Bar, With Pick-Up Attachment	Each	22,600	23,500	24,200	25,500
With Row Crop Unit, 2-Row	Each	25,100	26,000	26,200	27,900
Forage Harvester, Self-propelled, Shear Bar, With 4-6 row	Each	(?)	177,000	191,000	200,000
Front-End Loader, Hydraulic, Tractor Mounted 1800-2500 Lb. Capacity, 60 Inch Bucket	Each	4,660	4,860	4,910	5,060
Grain Drill, Most Common Spacing					
Plain, 15-17 Openers	Each	8,640	10,200	10,600	10,500
Press, 23-25 Openers	Each	13,300	14,400	16,300	15,600
With Fertilizer Attachment, 20-24 Openers	Each	10,500	11,700	12,700	13,400
Min/No-Till W/Fert. Attach., 15 Foot	Each	24,600	25,300	26,200	26,000
Hayrake, Side-Delivery, or Wheel Rake, Traction Drive, 8-12 Foot Working Width	Each	4,040	4,240	4,410	4,250
Hay Tedder, 15-18 Foot	Each	4,000	4,120	4,130	4,230
Manure Spreader, Conveyor Type, P.T.O., 2-Wheel, with Tires.					
141-190 Bushel Capacity	Each	5,830	6,250	6,330	6,300
225-300 Bushel Capacity	Each	8,090	8,440	8,610	9,010
Mower-Conditioner, P.T.O., Pull Type, with 8-10 Foot, Sickle (Cutter) Bar or Disc	Each	12,000	12,200	12,600	12,700
14-16 Foot, Sickle (Cutter) Bar or Disc	Each	(?)	18,900	19,700	19,400
Mower, Mounted or Drawn, 7-8 ft Sickle (Cutter) Bar	Each	3,940	4,130	4,220	4,370
13-14 Foot, Sickle (Cutter) Bar or Disc	Each	(?)	11,600	13,000	13,500
Planter, Row Crop					
With Fertilizer Attachment, 4-Row	Each	13,700	13,300	14,200	14,500
With Fertilizer Attachment, 8-Row	Each	24,400	25,800	25,700	26,000
With Fertilizer Attachment, 24-Row	Each	(?)	89,000	87,200	90,400
12-Row Conservation (No-Till Cond), w/Fert ..	Each	41,100	43,900	44,300	46,600
Rotary Hoe, 20-25 Foot	Each	5,260	5,700	5,940	6,320
Rotary Cutter, 7-8 Foot	Each	2,670	2,860	2,810	2,980
Sprayer, Field Crop, Power, Boom Type (Excl. Self-Propelled and Orchard).					
Tractor Mounted, w/ 300 Gal. Spray Tank	Each	3,880	4,290	4,350	4,940
Trailer Type, w/ 500-700 Gal. Spray Tank	Each	8,560	9,650	9,950	10,600
Tractor, 2-Wheel Drive					
30-39 P.T.O. horsepower	Each	15,000	15,400	15,300	15,400
50-59 P.T.O. horsepower	Each	20,600	21,200	21,800	21,900
70-89 P.T.O. horsepower	Each	30,900	31,800	32,800	32,300
110 - 129 P.T.O. horsepower	Each	55,400	57,400	59,500	60,100
140 - 159 P.T.O. horsepower	Each	71,500	74,800	77,100	79,000
190 - 220 P.T.O. horsepower	Each	(?)	102,000	105,000	109,000
Tractor, 4-Wheel Drive					
200 - 280 P.T.O. horsepower	Each	100,000	111,000	116,000	116,000
Wagon, Gravity Unload, W/Box and Running Gear, and Tires, 200-400 Bushel Capacity					
Without Side Extensions	Each	3,520	3,720	3,870	3,960
Wagon, Running Gear, W/O Box					
8-10 Ton Capacity	Each	1,620	1,690	1,680	1,650
Windrower, Self-Propelled, 14-16 Foot	Each	46,900	52,100	54,500	56,400
Agricultural Chemicals ² :					
Fungicides:					
Basic Copper Sulfate, 53% WP	Lb	1.31	1.29	1.28	1.21
Benomyl (Benlate), 50% WP	Lb	18.30	18.20	18.30	18.60
Calcium Polysulfide (Lime Sulfur) Liq.Conc	Gal	5.94	6.14	6.39	6.91
Captan 50% WP	Lb	3.30	3.25	3.36	3.43
Chlorothalonil (Bravo), 6#/Gal EC	Gal	55.90	57.00	55.80	58.50
Copper Hydroxide (Kocide), 77% WP	Lb	2.58	2.56	2.53	2.53
Dodine (Cyprex), 65% WP	Lb	9.96	9.74	10.40	11.00
Ferbam (Carbamate), 76% WP	Lb	4.20	4.08	3.88	4.03
Fosetyl-AL (Aliette), 80% WP	Lb	16.10	13.30	12.70	13.10
Iprodione (Rovral), 50% WP	Lb	23.30	22.80	23.20	23.10
Mancozeb (Dithane 80% WP, Manzate 75% DF)	Lb	3.23	3.32	3.35	3.10
Maneb, 80% WP	Lb	2.98	3.13	3.11	3.12
Metalaxyl (Ridomil), 2#/Gal EC	Gal	172	177	180	187
Myclobutanil (Systhane), 40% WP	Lb	73.90	71.90	70.00	72.80
Oxytetracycline (Mycoshield), 17% WP	Lb	15.90	16.20	18.00	20.50
Rubigan (Fenarimol), 1#/Gal EC	Gal	314	301	314	321
Sulfur, 95% WP	Lb	.363	.335	.305	0.312
Triforine (Funginex), 1.6#/Gal EC	Gal	89.90	91.00	92.70	96.30
Triadimefon (Bayleton), 50% WP	Lb	61.70	63.60	66.70	67.50
Ziram, 76% WP	Lb	2.85	2.98	2.88	2.92

See footnotes at end of table.

Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 1996-99¹—Continued

Commodity	Unit	1996	1997	1998	1999	
		Dollars	Dollars	Dollars	Dollars	
Fumigants:						
Methyl Bromide (Terr-o-gas 98)	Lb	2.96	3.24	3.17	3.09	
Herbicides:						
2,4-D, 4#/Gal EC	Gal	14.80	14.90	14.90	14.90	
Acetochlor (Harness, Surpass),	Gal	(7)	69.20	66.40	68.00	
6.4-7#/Gal EC	Gal	28.70	25.30	25.70	24.90	
Alachlor (Lasso), 4#/Gal EC	Gal	14.50	13.80	13.70	13.70	
Atrazine (AAtrex), 4#/Gal L	Gal	74.80	76.30	78.60	78.70	
Bentazon (Basagran), 4#/Gal EC	Gal	20.80	19.60	21.10	21.50	
Butylate (Sutan), 6.7#/Gal EC	Oz	18.60	19.00	12.90	11.60	
Chlorimuron-ethyl (Classic), 25% DF	Oz	19.10	17.70	18.20	18.20	
Chlorsulfuron (Glean), 75%	Gal	29.40	30.00	31.60	32.30	
Cyanazine (Bladex), 4#/Gal EC	Lb	7.93	8.31	12.10	12.60	
DCPA (Dacthal), 75% WP	Gal	90.20	93.40	94.10	44.80	
Dicamba (Banvel), 4#/Gal EC	Lb	5.20	5.25	5.26	5.11	
Diuron (Karmex, Diurex), 80% WP	Gal	29.00	30.50	32.30	32.40	
EPTC (Eptan), 7E-(Eradicane), 6.7#/Gal EC ...	Gal	55.70	56.70	56.30	45.50	
Glyphosate (Roundup), 4#/Gal EC	Gal	210	225	(6)	(6)	
Imazaquin (Scepter), 1.5#/Gal EC	Lb	11.70	12.00	11.90	12.10	
Linuron (Lorox, Linex), 50% DF	Gal	16.80	16.80	16.90	16.50	
MCPA, 4#/Gal, EC	Gal	69.40	69.50	72.60	77.70	
Metolachlor (Dual), 8#/Gal EC	Lb	27.70	27.70	22.00	21.20	
Metribuzin (Lexone or Sencor), 75% DF	Gal	36.20	37.80	39.00	34.80	
Paraquat (Gramoxone Extra), 2.5#/Gal EC ...	Gal	23.60	24.70	24.30	21.00	
MMSA (Super Arsonade), 4-6# Gal EC	Lb	8.66	8.93	9.21	9.26	
Napropamide (Devrinol), 50% WP	Gal	29.20	29.40	29.60	28.70	
Pendimethalin (Prowl), 3.3#/Gal EC	Gal	112	101	89.60	84.30	
Sethoxydim (Poast), 1.5#/Gal EC	Gal	18.40	18.20	18.50	18.20	
Simazine (Princep), 4#/Gal EC	Lb	26.70	26.40	27.40	28.00	
Terbacil (Sinbar), 80% WP	Gal	32.60	31.40	29.90	29.20	
Trifluralin (Treflan), 4#/Gal EC	Insecticides:					
Acephate (Orthene), 75% SP	Lb	12.00	12.80	12.50	12.60	
Aldicarb (Temik), 15% G	Lb	3.62	3.70	3.70	3.77	
Azinphos-Methyl (Guthion), 50% WP	Lb	8.66	8.62	8.97	9.20	
Bt (Dipel 2X), WP	Lb	12.50	12.30	12.10	12.10	
Carbaryl (Sevin), 80% WP	Lb	4.64	4.76	4.96	5.14	
Carbofuran (Furadan), 15% G	Lb	1.99	1.99	2.24	(10)	
Chlorpyrifos (Lorsban), 4#/Gal EC	Gal	51.10	50.70	51.00	51.00	
Cyfluthrin (Baythroid) 2#/Gal EC	Gal	489	479	486	515	
Cypermethrin, (Ammo 2.5-Cymbush 3#G)EC ..	Gal	256	252	264	258	
Diazinon, 4#/Gal EC	Gal	36.50	36.10	34.90	35.70	
Dicofol (Kelthane), 35% WP	Lb	9.98	10.20	10.60	10.40	
Dicrotophos (Bidrin), 8#/Gal EC	Gal	87.30	88.60	86.80	88.80	
Dimethoate (Cygon), 2.67#/Gal EC	Gal	31.20	32.90	34.70	35.10	
Disulfoton (Di-Syston), 8#/Gal EC	Gal	75.40	76.30	79.50	82.00	
Endosulfon (Thiodan, Phasor), 3#/Gal EC	Gal	40.30	39.10	39.40	37.30	
Esfenvalerate (Asana XL), 0.66#/Gal EC	Gal	149	148	148	136	
Ethion 4#/Gal EC	Gal	35.70	38.60	41.60	36.10	
Fonofos (Dyfonate II), 20% G	Lb	1.95	2.04	2.03	2.13	
Imidacloprid (Admire, Provado)..	Insecticides:					
1.6-2#/Gal EC	Gal	(2)	537	552	567	
Malathion, 5#/Gal EC	Gal	23.20	24.10	25.00	25.10	
Methidathion (Supracide), 2#/Gal EC	Gal	52.20	50.60	55.70	57.80	
Methomyl (Lannate L), 1.81 #/Gal Liq.	Gal	47.00	48.00	46.70	48.30	
Methyl Parathion, 4#/Gal EC	Gal	27.50	27.30	29.40	29.80	
Oil, Superior Oil, Supreme, Volck	Gal	4.99	5.13	5.32	5.15	
Oxamyl (Vydate-L), 2# L	Gal	61.90	61.80	63.50	64.60	
Oxydemeton-Methyl (Metasystox-R).	Insecticides:					
2#/Gal EC	Gal	64.10	63.10	66.70	72.20	
Oxythioquinox (Morestan), 25% WP	Lb	15.90	17.30	17.60	18.50	
Phorate (Thimet), 20% G	Lb	2.03	2.14	2.24	2.40	
Phosmet (Imidan, Prolate), 50% WP	Lb	5.44	5.79	6.22	6.25	
Propargite (Comite, Omite), 30% WP	Lb	6.21	6.49	6.41	6.81	
Synthetic Pyrethroids..						
(Pounce 2.0, Ambush 3.2 #Gal) EC	Gal	156	159	162	148	
Terbufos (Counter), 15% G	Lb	2.20	2.31	2.56	2.65	
Zeta-Cypermethrin (Fury), 1.5#/Gal EC	Gal	(7)	280	290	311	
Other:						
Gibberellic Acid, (Ry3Up, Pro-Gibb) 4.0% L	Gal	208	202	189	182	
Nad Naphthalene Acetamide, 8.4 WP	Lb	55.80	61.50	62.80	61.20	

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, 1995-99, 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 Excludes cost of application, except for limestone. ⁶ Discontinued in 1998. ⁷ Added in 1997. ⁸ With hydraulic lift, transport wheels, and tires. ⁹ Formulation abbreviations: EC—Emulsifiable Concentrate, DF—Dry Flowable, DG—Dry Granular, G—Granular, L—Liquid, S—Solution, SP—Soluble Powder, and WP—Wettable Powder. ¹⁰ Insufficient data.

Table 9-37.—Agricultural commodities: Support prices per unit, United States, 1990–99^{1 2}

Commodity and unit	1990	1991	1992	1993	1994	
	<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	2.75	2.75	2.75
Loan rate	do	1.57	1.62	1.72	1.72	1.89
Cotton:						
American upland:³						
Target price	Pound	0.7290	0.7290	0.7290	0.7290	0.7290
Loan rate	do	0.5027	0.5077	0.5235	0.5235	0.5000
Extra-long staple:						
Target price	do	0.9810	0.9960	1.0580	1.0570	1.0200
Loan rate	do	0.8177	0.8299	0.8815	0.8812	0.8503
Peanuts: ⁴	do	0.3157	0.3214	0.3375	0.3375	0.3392
Rice:						
Target price	Cwt.	10.71	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 ...	4.00	4.00	4.00	4.00	4.00
Loan rate	do	1.95	2.04	2.21	2.45	2.58
Tobacco:						
Flue-cured, types 11-14	Pound	1.488	1.528	1.560	1.577	1.583
Fire-cured, type 21	do	1.262	1.332	1.367	1.395	1.407
Fire-cured, types 22-23	do	1.297	1.367	1.421	1.464	1.483
Burley, type 31	do	1.558	1.584	1.649	1.683	1.714
Dark air-cured, types 35-36	do	1.107	1.169	1.217	1.255	1.273
Virginia sun-cured, type 37	do	1.115	1.177	1.208	1.233	1.245
Cigar filler, Puerto Rican, type 46	do	0.778	0.813	(⁵)	0.834	0.844
Ohio filler and Wisconsin binder, types 42-44 and 53-55	do	0.962	1.014	1.054	1.074	1.084
Barley:⁶						
Target price	Bushel ...	2.36	2.36	2.36	2.36	2.36
Loan rate	do	1.28	1.32	1.40	1.40	1.54
Sorghum grain:⁶						
Target price	Cwt.	4.66	4.66	4.66	4.66	4.66
Loan rate	do	2.66	2.75	2.91	2.91	3.21
Oats:⁶						
Target price	Bushel ...	1.45	1.45	1.45	1.45	1.45
Loan rate	do	0.81	0.83	0.88	0.88	0.97
Rye: ⁶	do	1.33	1.38	1.46	1.46	1.61
Nonbasic commodities:						
Beans, dry edible	Cwt.	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Cottonseed	Ton	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Minor oilseeds ⁷	Pound	(⁵)	0.089	0.089	0.089	0.087
Soybeans	Bushel ...	4.50	5.02	5.02	5.02	4.92
Sugar, raw	Pound	0.1800	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing	Cwt.	10.10	10.10	10.10	10.10	10.10
Honey, extracted	Pound	0.538	0.538	0.538	0.538	0.500
Mohair	do	4.532	4.448	4.613	4.738	4.739
Wool	Pound	1.82	1.88	1.97	2.04	2.09

See footnotes at end of table.

Table 9-37.—Agricultural commodities: Support prices per unit, United States, 1990-99^{1 2}—Continued

Commodity and unit	1995	1996	1997	1998	1999
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Basic commodities:					
Corn:					
Target price	Bushel	2.75	(⁹)	(⁹)	(⁹)
Loan rate	do	1.89	1.89	1.89	1.89
Cotton:					
American upland: ³					
Target price	Pound	0.7290	(⁹)	(⁹)	(⁹)
Loan rate	do	0.5192	0.5192	0.5192	0.5192
Extra-long staple:					
Target price	do	0.9560	(⁹)	(⁹)	(⁹)
Loan rate	do	0.7965	0.7965	0.7965	0.7965
Peanuts: ⁴	do	0.3392	0.3050	0.3050	0.3050
Rice:					
Target price	Cwt. ...	10.71	(⁹)	(⁹)	(⁹)
Loan rate	do	6.50	6.50	6.50	6.50
Wheat:					
Target price	Bushel	4.00	(⁹)	(⁹)	(⁹)
Loan rate	do	2.58	2.58	2.58	2.58
Tobacco:					
Flue-cured, types 11-14 ..	Pound	1.597	1.601	1.621	1.628
Fire-cured, type 21	do	1.430	1.455	1.498	1.536
Fire-cured, types 22-23 ..	do	1.518	1.557	1.623	1.681
Burley, type 31	do	1.725	1.737	1.760	1.778
Dark air-cured, types 35-36.	do	1.304	1.339	1.398	1.45
Virginia sun-cured, type 37.	do	1.265	1.288	1.326	1.36
Cigar filler, Puerto Rican, type 46.	do	0.861	(⁵)	(⁵)	(⁵)
Ohio filler and Wisconsin binder, types 42-44 and 53-55 ..	do	1.101	1.120	1.169	1.212
Barley:⁶					
Target price	Bushel	2.36	(⁹)	(⁹)	(⁹)
Loan rate	do	1.54	1.55	1.57	1.56
Sorghum grain:⁶					
Target price	Cwt. ...	4.66	(⁹)	(⁹)	(⁹)
Loan rate	do	3.21	3.23	3.14	3.11
Oats:⁶					
Target price	Bushel	1.45	(⁹)	(⁹)	(⁹)
Loan rate	do	0.97	1.03	1.11	1.11
Rye: ⁶	do	1.61	(¹⁰)	(¹⁰)	(¹⁰)
Nonbasic commodities:					
Beans, dry edible	Cwt. ...	(⁵)	(⁵)	(⁵)	(⁵)
Cottonseed	Ton ...	(⁵)	(⁵)	(⁵)	(⁵)
Minor oilseeds ⁷	Pound	0.087	0.0891	0.0930	0.0930
Soybeans	Bushel	4.92	4.99	5.26	5.26
Sugar, raw	Pound	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing ...	Cwt. ...	10.10	(¹¹) 1035	(¹⁴) 1020	(¹⁵) 10.05
Honey, extracted	Pound	0.500	(¹²)	(¹²)	(¹²)
Mohair	do	4.657	(¹³)	(¹³)	(¹³)
Wool	Pound	2.12	(¹³)	(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 9-38.—Farm income: Cash receipts by commodities groups and selected commodities, United States, 1991-98¹

Commodity	1991	1992	1993	1994
	<i>100,000 dollars</i>	<i>100,000 dollars</i>	<i>100,000 dollars</i>	<i>100,000 dollars</i>
All commodities	167,863.7	171,321.8	177,892.6	181,264.0
Livestock and products	85,786.4	85,636.0	90,445.5	88,178.5
Cattle and calves	38,696.6	37,272.3	39,486.9	36,252.2
Hogs	11,036.1	10,016.5	10,948.5	9,898.4
Sheep and lambs	399.4	459.5	533.3	510.8
Dairy products	18,006.6	19,736.3	19,261.5	19,983.3
Broilers	8,383.0	9,176.5	10,415.8	11,371.7
Farm chickens	67.3	82.8	96.4	73.1
Chicken eggs	3,901.3	3,384.5	3,779.4	3,789.8
Turkeys	2,353.0	2,396.7	2,509.7	2,643.0
Ducks	7.9	8.7	8.5	8.9
Other poultry	441.1	474.2	539.3	574.0
Misc. other livestock	2,494.1	2,628.9	2,866.1	3,073.1

Commodity	1995	1996	1997	1998
All commodities	188,055.4	199,137.8	207,611.2	196,761.4
Livestock and products	87,101.3	92,955.9	96,535.3	94,539.0
Cattle and calves	34,044.0	30,976.9	35,999.6	33,723.9
Hogs	10,254.9	12,565.2	13,053.6	9,396.2
Sheep and lambs	566.3	612.3	628.3	484.4
Dairy products	19,879.6	22,785.0	20,940.3	24,312.3
Broilers	11,762.2	13,904.5	14,159.2	15,146.6
Farm chickens	60.2	59.2	71.5	75.5
Chicken eggs	3,892.9	4,776.3	4,539.9	4,349.5
Turkeys	2,769.4	3,124.5	2,881.25	2,661.7
Ducks	9.5	10.6	11.7	12.6
Other poultry	556.5	556.5	570.5	560.5
Misc. other livestock	3,305.8	3,584.8	3,679.4	3,815.9

Commodity	1991	1992	1993	1994
Crops	82,077.3	85,684.8	87,447.1	93,085.4
Food grains	7,325.4	8,467.5	8,179.9	9,545.0
Feed crops	19,327.3	20,098.4	20,198.9	20,310.4
Cotton	5,236.4	5,192.1	5,249.7	6,737.7
Tobacco	2,881.1	2,958.0	2,947.8	2,656.4
Oil crops	12,697.9	13,285.9	13,218.3	14,651.6
Vegetables	11,624.7	11,806.3	13,667.0	14,185.3
Fruits/nuts	9,922.9	10,178.7	10,263.1	10,315.3
All other crops	13,061.6	13,698.0	13,722.2	14,683.7

Commodity	1995	1996	1997	1998
Crops	100,954.1	106,181.9	111,075.9	10,222.4
Food grains	10,416.6	10,719.3	10,137.2	8,733.8
Feed crops	24,519.6	27,184.9	27,101.5	22,926.7
Cotton	6,851.1	6,983.1	6,345.6	6,013.2
Tobacco	2,548.4	2,795.5	2,874.3	2,989.3
Oil crops	1,549.6	16,343.7	19,673.4	17,198.5
Vegetables	15,040.2	14,439.0	14,961.3	15,337.3
Fruits/nuts	11,097.0	11,928.3	13,073.8	11,727.0
All other crops	14,988.7	15,789.0	16,909.1	17,296.5

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.

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

Table 9-39.—Farm income: Indicators by selected commodities, United States, 1991–98

Item	1991	1992	1993	1994
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Gross farm income	191,949.8	200,534.7	204,758.3	216,076.9
Gross cash income	184,359.2	188,550.1	200,290.4	198,215.4
Farm marketings	167,863.7	171,321.8	177,892.6	181,263.9
Government payments	8,214.4	9,168.9	13,402.0	7,879.1
Farm-related income	8,281.1	8,059.3	8,995.8	9,072.3
Noncash income	7,797.6	7,829.1	8,665.6	9,578.9
Value of home consumption	642.1	617.6	594.9	554.0
Rental value of dwellings ¹	7,155.6	7,211.4	8,070.7	9,024.9
Value of inventory adjustment	(207.1)	4,155.5	(4,197.6)	8,282.6
Total production expenses	153,278.8	152,616.6	160,225.0	166,842.1
Net farm income	38,670.9	47,918.1	44,533.3	49,234.8

Item	1995	1996	1997	1998
Gross farm income	210,742.8	235,740.7	238,668.7	233,059.1
Gross cash income	205,844.3	217,449.8	227,503.2	222,778.1
Farm marketings	188,055.5	199,137.8	207,611.2	196,761.4
Government payments	7,253.4	7,339.7	7,495.3	12,219.6
Farm-related income	10,535.5	10,972.3	12,396.7	13,797.1
Noncash income	9,916.1	10,334.8	10,623.0	11,312.6
Value of home consumption	506.6	438.3	530.9	498.0
Rental value of dwellings ¹	9,409.5	9,851.5	10,092.1	10,814.6
Value of inventory adjustment	(5,017.7)	7,956.1	542.5	(1,031.6)
Total production expenses	173,530.9	180,815.0	190,046.1	188,970.4
Net farm income	37,211.9	54,925.7	48,622.6	44,088.7

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@ers.usda.gov.

Table 9-40.—Expenses: Farm production expenses, United States, 1991–98¹

Item	1991	1992	1993	1994
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Total production expenses	153,278.8	152,616.6	160,225.0	166,842.1
Feed purchased	19,332.8	20,133.0	21,431.2	22,631.2
Livestock and poultry purchased	14,129.1	13,574.2	14,742.0	13,300.0
Seed purchased	5,113.3	4,913.4	5,162.9	5,373.1
Fertilizer and lime	8,666.1	8,330.7	8,397.5	9,180.0
Pesticides	6,320.5	6,470.6	6,723.3	7,225.0
Fuel and oil	5,607.5	5,298.4	5,349.5	5,311.3
Other ¹	31,536.5	30,729.4	34,818.6	37,766.4
Interest	12,119.1	11,037.4	10,649.1	11,543.5
Contract and hired labor expenses	13,902.8	14,008.5	15,008.8	15,310.4
Net rent to nonoperator landlord ²	9,913.0	11,077.2	10,743.9	11,547.6
Capital consumption	18,190.0	18,317.0	18,353.3	18,623.7
Property taxes	5,814.7	6,116.5	6,168.1	6,347.4

Item	1995	1996	1997	1998
Total production expenses	173,530.9	180,815.0	190,046.1	188,970.4
Feed purchased	23,829.3	25,234.2	26,331.6	25,031.4
Livestock and poultry purchased	12,510.0	11,298.8	13,817.7	12,691.3
Seed purchased	5,461.7	6,212.0	6,710.8	7,211.1
Fertilizer and lime	10,032.8	10,934.0	10,933.3	10,652.6
Pesticides	7,726.5	8,526.3	9,027.3	9,127.9
Fuel and oil	5,426.3	5,977.6	6,230.1	5,585.2
Other ¹	40,210.2	40,142.3	42,733.9	43,654.0
Interest	12,601.9	12,980.6	13,524.4	13,592.6
Contract and hired labor expenses	16,293.8	17,428.5	18,609.4	19,278.1
Net rent to nonoperator landlord ²	10,950.8	12,994.6	12,938.2	12,625.9
Capital consumption	18,933.5	19,230.4	19,293.2	19,448.2
Property taxes	6,584.4	6,691.8	6,852.2	7,163.7

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@ers.usda.gov.

Table 9-41.—Farm marketings: Cash receipts, government payments, and principal commodities, by States, 1998

State	Cash receipts			Government payments	Rank
	Total	Crops	Livestock and products		
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	
AK	47,037	19,860	27,177	1,404	50-Greenhouse, dairy, hay, potatoes(45%).
AL	3,283,129	696,391	2,586,738	96,932	26-Broilers, cattle/calves, cotton, chicken eggs(79%).
AR	5,421,870	2,171,726	3,250,144	466,712	12-Broilers, soybeans, rice, cotton(73%).
AZ	2,368,073	1,425,152	942,921	78,987	29-Cattle/calves, dairy, lettuce, cotton(66%).
CA	24,616,242	17,771,171	6,845,071	352,710	1-Dairy, grapes, greenhouse, cattle/calves(42%).
CO	4,309,508	1,452,853	2,856,655	257,887	17-Cattle/calves, corn, wheat, dairy(70%).
CT	508,594	280,854	227,740	2,433	43-Greenhouse, dairy, chicken eggs, tobacco(56%).
DE	773,791	164,339	609,452	10,770	40-Broilers, soybeans, greenhouse, dairy(84%).
FL	6,761,965	5,354,616	1,407,349	24,918	9-Greenhouse, oranges, tomatoes, sugar(53%).
GA	5,454,249	2,046,648	3,407,601	178,283	11-Broilers, cotton, peanuts, chicken eggs(69%).
HI	509,951	417,970	91,981	231	42-Pineapples, sugar, greenhouse, macadamia nuts(56%).
IA	10,994,252	6,216,645	4,777,607	1,146,046	3-Corn, soybeans, hogs, cattle/calves(87%).
ID	3,320,352	1,735,389	1,584,963	196,340	24-Dairy, cattle/calves, potatoes, wheat(70%).
IL	7,742,280	6,167,021	1,575,259	934,043	6-Corn, soybeans, hogs, cattle/calves(87%).
IN	4,884,568	3,245,248	1,639,320	463,999	15-Corn, soybeans, hogs, dairy(75%).
KS	7,784,013	3,246,911	4,537,102	872,524	5-Cattle/calves, wheat, corn, soybeans(84%).
KY	3,920,208	1,786,527	2,133,681	140,107	19-Tobacco, horses/mules, cattle/calves, broilers(71%).
LA	1,890,624	1,245,131	645,493	257,694	33-Sugar, rice, cotton, cattle/calves(53%).
MA	507,340	394,873	112,467	1,717	44-Greenhouse, cranberries, dairy, sweet corn(70%).
MD	1,520,218	571,292	948,926	38,037	35-Broilers, greenhouse, dairy, soybeans(71%).
ME	505,645	223,586	282,059	6,483	45-Potatoes, dairy, chicken eggs, aquaculture (68%).
MI	3,480,343	2,157,557	1,322,786	208,077	22-Dairy, greenhouse, soybeans, corn(58%).
MN	7,679,914	3,925,101	3,754,813	762,449	7-Soybeans, dairy, corn, hogs(66%).
MO	4,681,843	2,261,666	2,420,177	424,018	16-Soybeans, cattle/calves, corn, hogs(60%).
MS	3,454,358	1,285,208	2,169,150	281,899	23-Broilers, cotton, soybeans, aquaculture(75%).
MT	1,799,189	934,272	864,917	357,904	34-Cattle/calves, wheat, barley, hay(85%).
NC	7,163,967	3,246,807	3,917,160	129,375	8-Broilers, hogs, tobacco, greenhouse(66%).
ND	3,003,856	2,454,587	549,269	601,846	28-Wheat, cattle/calves, sunflower, soybeans(59%).
NE	8,848,014	3,724,514	5,123,500	797,382	4-Cattle/calves, corn, soybeans, hogs(89%).
NH	151,147	82,167	68,980	1,859	48-Dairy, greenhouse, apples, cattle/calves(71%).
NJ	828,318	650,058	178,260	5,492	39-Greenhouse, horses/mules, dairy, cranberries(52%).
NM	1,950,222	513,221	1,437,001	60,441	32-Cattle/calves, dairy, hay, greenhouse(81%).
NV	336,613	142,748	193,865	2,673	47-Cattle/calves, hay, dairy, greenhouse(80%).
NY	3,145,799	1,054,005	2,091,794	59,675	26-Dairy, greenhouse, apples, cattle/calves(73%).
OH	4,972,519	3,124,412	1,848,107	313,123	14-Soybeans, corn, dairy, greenhouse(65%).
OK	3,900,273	1,062,193	2,838,080	303,236	20-Cattle/calves, wheat, broilers, hogs(77%).
OR	3,091,992	2,329,995	761,997	99,952	27-Greenhouse, cattle/calves, hay, dairy(47%).
PA	4,174,592	1,260,720	2,913,872	45,356	18-Dairy, greenhouse, cattle/calves, chicken eggs(65%).
RI	64,866	55,770	9,096	167	49-Greenhouse, dairy, sweet corn, potatoes(802%).
SC	1,511,115	747,911	763,204	62,366	36-Broilers, greenhouse, tobacco, turkeys (55%).
SD	3,508,037	1,951,260	1,556,777	429,613	21-Cattle/calves, soybeans, corn, wheat(73%).
TN	2,215,587	1,177,114	1,038,473	127,962	31-Cattle/calves, broilers, dairy, tobacco(51%).
TX	13,206,203	4,986,047	8,220,156	998,457	2-Cattle/calves, cotton, greenhouse, dairy(71%).
UT	980,866	244,728	736,138	24,981	37-Cattle/calves, dairy, hay, hogs(69%).
VA	2,328,428	767,810	1,560,618	45,603	30-Broilers, dairy, cattle/calves, turkeys (55%).
VT	556,765	84,425	472,340	4,475	41-Dairy, cattle/calves, greenhouse, hay(90%).
WA	5,154,635	3,424,474	1,730,161	257,165	13-Dairy, apples, cattle/calves, wheat(52%).
WI	6,193,000	1,700,577	4,492,423	252,787	10-Dairy, corn, cattle/calves, soybeans(79%).
WV	404,745	69,180	335,565	5,280	46-Broilers, cattle/calves, dairy, turkeys(72%).
WY	850,295	169,656	680,639	28,690	38-Cattle/calves, hay, sugar beets, sheep/lambs(85%).
US	196,761,410	102,222,386	94,539,024	12,219,559	Cattle/calves, dairy prod, corn, soybeans (46%).

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

Table 9-42.—Average Income to Farm Operator Households, United States, 1995–98¹

Item	1995	1996	1997	1998
Dollars per farm				
Net cash farm business income ²	11,218	13,502	12,676	14,357
Less depreciation ³	6,795	6,906	6,578	7,409
Less wages paid to operator ⁴	522	531	513	637
Less farmland rental income ⁵	769	672	568	543
Less adjusted farm business income due to other household(s) ⁶	649	1,094	*1,505	1,332
Dollars per farm operator household				
Equals adjusted farm business income	2,484	4,300	3,513	4,436
Plus wages paid to operator	522	531	513	637
Plus net income from farmland rental ⁷	1,053	1,178	945	868
Equals farm self-employment income	4,059	6,009	4,971	5,941
Plus other farm-related earnings ⁸	661	1,898	1,234	1,165
Equals earnings of the operator household from farming activities	4,720	7,906	6,205	7,106
Plus earnings of the operator household from off-farm sources ⁹ ..	39,671	42,455	46,358	52,628
Equals average farm operator household income comparable to U.S. average household income, as measured by the CPS	44,392	50,361	52,562	59,734
Dollars per U.S. household				
U.S. average household income ¹⁰	44,938	47,123	49,692	51,855
Percent				
Average farm operator household income as percent of U.S. average household income	98.8	106.9	105.8	115.2
Average operator household earnings from farming activities as percent of average operator household income	10.6	15.7	11.8	11.9

*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. ²A 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. ³Consistent 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. ⁴Wages 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. ⁵Gross rental income is subtracted here because net rental income from the farm operation is added below to income received by the household. ⁶More 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. ⁷Includes 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. ⁸Includes 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. ⁹Income 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. ¹⁰From 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, 1997 and 1998 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 9-43.—Grazing fees: Rates for cattle by selected States and regions, 1997–99

State	Monthly lease rates for private non-irrigated grazing land ¹								
	Animal unit ²			Cow-calf			Per head		
	1997	1998	1999	1997	1998	1999	1997	1998	1999
	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>
AZ	6.50	6.70	7.40	8.50	9.50	9.75	7.90	8.30	8.00
CA	10.60	11.50	12.10	13.00	14.50	15.00	12.00	12.90	12.50
CO	11.30	11.80	12.00	13.60	13.90	14.20	10.60	11.50	10.90
ID	10.40	10.80	11.10	12.50	12.80	13.00	11.20	11.50	11.80
KS	10.50	12.90	11.50	12.80	14.80	13.00	9.80	11.90	11.50
MT	12.30	12.60	13.20	13.90	14.30	15.00	13.20	13.30	14.00
NE	18.80	19.00	19.00	22.20	23.00	23.00	18.50	19.00	19.70
NV	9.00	9.10	9.00	12.00	12.00	11.50	9.50	9.70	10.00
NM	8.79	8.80	8.80	10.30	9.75	10.10	9.00	9.70	10.00
ND	9.30	10.20	10.30	11.00	11.40	11.10	10.00	11.10	10.70
OK	8.00	9.00	8.00	8.70	9.50	9.00	7.50	8.00	7.50
OR	10.20	11.10	11.10	11.50	12.80	12.30	9.85	11.40	11.60
SD	14.00	14.20	14.70	16.40	16.50	17.20	14.40	14.80	14.90
TX	9.00	9.00	8.00	10.00	9.50	8.75	8.00	9.00	8.50
UT	9.00	10.00	10.00	11.10	11.30	12.10	11.10	11.10	11.10
WA	9.00	10.00	10.00	9.60	10.50	11.30	9.30	10.50	11.20
WY	12.00	11.90	11.70	14.00	13.80	13.50	12.20	12.30	12.00
17-State ³	11.00	11.40	11.10	12.70	13.00	12.80	10.80	11.60	11.50
16-State ⁴	11.70	12.30	12.30	13.70	14.30	14.30	11.80	12.50	12.60
11-State ⁵	10.70	11.10	11.40	12.60	13.00	13.30	11.30	11.80	11.90
9-State ⁶	11.00	11.50	11.00	12.80	13.00	12.60	10.60	11.40	11.20

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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