

## 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, 1987–96**

Year	Prices paid by farmers <sup>1</sup>		Prices received by farmers <sup>1</sup>	Farm income <sup>2</sup>		
	Total including interest, taxes, and wage rates	Production items		Gross farm income <sup>5</sup>	Production expenses	Net income
	<i>Index numbers</i> 1990–92=100	<i>Index numbers</i> 1990–92=100	<i>Index numbers</i> 1990–92=100	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1987 .....	87	87	89	168.4	133.5	37.4
1988 .....	91	90	99	177.9	139.9	38.0
1989 .....	96	95	104	191.9	146.6	45.3
1990 .....	99	99	104	198.1	153.3	44.8
1991 .....	100	100	100	191.9	153.3	38.1
1992 .....	101	101	98	200.5	152.9	47.5
1993 .....	104	102	101	204.0	160.5	43.1
1994 .....	106	106	100	215.8	167.4	48.3
1995 .....	110	109	102	210.9	174.2	36.7
1996 .....	115	115	112	233.5	181.3	52.2

Year	National income <sup>3</sup>	Disposable personal income <sup>3</sup>	Industrial production <sup>4</sup>	Consumer prices all items <sup>5</sup>	Producer prices consumer foods <sup>5</sup>
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Index numbers</i> 1992=100	<i>Index numbers</i> 1982–84=100	<i>Index numbers</i> 1982=100
1987 .....	3,813.0	3,374.6	93.2	113.6	109.5
1988 .....	4,145.3	3,652.6	97.4	118.3	112.6
1989 .....	4,397.3	3,906.1	99.1	124.0	118.7
1990 .....	4,652.1	4,179.4	98.9	130.7	124.4
1991 .....	4,761.6	4,356.8	97.0	136.2	124.1
1992 .....	4,990.4	4,626.7	100.0	140.3	123.3
1993 .....	5,266.8	4,829.2	103.6	144.5	125.7
1994 .....	5,590.7	5,052.7	109.2	148.2	126.8
1995 .....	5,912.3	5,355.7	114.5	152.4	129.0
1996 .....	6,254.5	5,608.3	118.5	156.9	133.6

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

ERS, Farm Structure and Performance Branch, (202) 694-5592.

**Table 9-2.—Farms: Number, land in farms, and average size of farm, U.S., 1988–97<sup>1</sup>**

Year	Farms <sup>2</sup>		Land in farms		Average size farm	
	<i>Number</i>		<i>1,000 acres</i>		<i>Acres</i>	
1988 .....	2,200,940		994,423		452	
1989 .....	2,174,520		990,723		456	
1990 .....	2,145,820		986,850		460	
1991 .....	2,116,760		981,736		464	
1992 .....	2,107,840		978,503		464	
1993 .....	2,083,430		976,463		469	
1994 .....	2,064,720		973,403		471	
1995 .....	2,071,520		972,253		469	
1996 .....	2,063,910		970,048		470	
1997 <sup>3</sup> .....	2,057,910		968,338		471	

<sup>1</sup>1988–96 estimates are for a June 1 reference date. 1997 estimates are for the entire year. <sup>2</sup>A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year. <sup>3</sup>Preliminary.

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

**Table 9-3.—Farms: Percent of farms, land in farms, and average size, by economic sales class, United States, June 1, 1996–97<sup>1</sup>**

Economic sales class	Percent of total				Average size farm	
	Farms		Land		1996	1997 <sup>2</sup>
	1996	1997 <sup>2</sup>	1996	1997 <sup>2</sup>		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$1,000–\$2,499 .....	22.6	23.6	3.0	3.2	62	64
\$2,500–\$4,999 .....	14.3	14.2	3.1	3.2	102	106
\$5,000–\$9,999 .....	12.6	12.3	4.5	4.3	168	164
\$10,000–\$19,999 .....	11.4	11.0	6.5	6.2	268	265
\$20,000–\$39,999 .....	10.2	9.9	9.8	9.6	452	456
\$40,000–\$99,999 .....	12.6	12.1	19.9	19.0	742	739
\$100,000–\$249,999 .....	10.1	10.0	25.2	24.0	1,173	1,129
\$250,000–\$499,999 .....	3.8	4.1	12.9	14.0	1,596	1,607
\$500,000+ .....	2.4	2.8	15.1	16.5	2,957	2,773
Total .....	100.0	100.0	100.0	100.0	470	471

<sup>1</sup>1996 estimates are for a June 1 reference date. 1997 estimates are for the entire year. <sup>2</sup>Preliminary.

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

**Table 9-4.—Number of farms: Economic sales class by region and United States <sup>1</sup>**

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: <sup>2</sup>				
1995 .....	62,500	37,100	21,800	121,400
1996 .....	62,900	36,100	22,600	121,600
1997 .....	63,300	35,800	22,800	121,900
NC: <sup>3</sup>				
1995 .....	308,700	335,600	181,700	826,000
1996 .....	299,500	330,100	185,900	815,500
1997 .....	300,100	316,700	193,200	810,000
South: <sup>4</sup>				
1995 .....	515,100	252,700	82,000	849,800
1996 .....	527,000	242,700	80,000	849,700
1997 .....	532,000	233,900	81,000	846,900
West: <sup>5</sup>				
1995 .....	126,620	100,000	47,700	274,320
1996 .....	130,710	96,200	50,200	277,110
1997 .....	135,110	92,100	51,900	279,110
US:				
1995 .....	1,012,920	725,400	333,200	2,071,520
1996 .....	1,020,110	705,100	338,700	2,063,910
1997 .....	1,030,510	678,500	348,900	2,057,910

<sup>1</sup>1995-96 estimates are for a June 1 reference date. 1997 estimates are for the entire year. <sup>2</sup>CT, ME, MA, NH, NJ, NY, PA, RI, VT. <sup>3</sup>IL, IN, IA, KS, MI, MN, MO NE, ND, OH, SD, WI. <sup>4</sup>AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV. <sup>5</sup>AK, AZ, CA, CO, HI, ID MT, NV, NM, OR, UT, WA, WY.  
 NASS, Livestock and Economics Branch, (202) 720-3570.

**Table 9-5.—Land of farms: Economic sales class by region and United States <sup>1</sup>**

Region and year	Economic Sales Class			Total
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000 & over	
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
NE: <sup>2</sup>				
1995 .....	4,923	6,500	9,000	20,423
1996 .....	4,873	6,500	9,000	20,373
1997 .....	4,895	6,418	9,050	20,363
NC: <sup>3</sup>				
1995 .....	26,700	130,600	201,600	358,900
1996 .....	25,600	129,750	203,250	358,600
1997 .....	25,600	119,850	212,750	358,200
South: <sup>4</sup>				
1995 .....	49,400	119,000	118,920	287,320
1996 .....	57,800	116,000	112,365	286,165
1997 .....	58,300	112,253	114,612	285,165
West: <sup>5</sup>				
1995 .....	13,450	99,300	192,860	305,610
1996 .....	14,450	98,960	191,500	304,910
1997 .....	14,690	98,620	191,300	304,610
US:				
1995 .....	94,473	355,400	522,380	972,253
1996 .....	102,723	351,210	516,115	970,048
1997 .....	103,485	337,141	527,712	968,338

<sup>1</sup>1995-96 estimates are for a June 1 reference date. 1997 estimates are for the entire year. <sup>2</sup>CT, ME, MA, NH, NJ, NY, PA, RI, VT. <sup>3</sup>IL, IN, IA, KS, MI, MN, MO NE, ND, OH, SD, WI. <sup>4</sup>AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV. <sup>5</sup>AK, AZ, CA, CO, HI, ID MT, NV, NM, OR, UT, WA, WY.  
 NASS, Livestock and Economics Branch, (202) 720-3570.

**Table 9-6.—Land in farms: Classification by tenure of operator, United States, 1910–92**

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Acres</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1910 .....	878,798,325	52.9	15.2	6.1	25.8
1920 .....	958,676,612	48.3	18.4	5.7	27.7
1925 .....	924,319,352	45.4	21.3	4.7	28.7
1930 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	1,123,507,574	31.0	44.0	9.8	14.8
1964 <sup>1</sup> .....	1,110,187,000	28.7	48.0	10.2	13.1
1969 <sup>1</sup> .....	1,062,892,501	35.3	51.8	.....	13.0
1974 <sup>1</sup> .....	1,017,030,357	35.3	52.6	.....	12.0
1978 <sup>1</sup> .....	1,014,777,234	32.7	55.3	.....	12.0
1982 <sup>1</sup> .....	986,796,579	34.7	53.8	.....	11.5
1987 <sup>1</sup> .....	964,470,625	32.9	53.9	.....	13.2
1992 <sup>1</sup> .....	945,531,506	31.3	55.7	.....	13.0

<sup>1</sup> Includes Alaska and Hawaii.

ERS, Natural Resources and Environment Division, (202) 219-0424. Data from the Census of Agriculture, U.S. Department of Commerce.

**Table 9-7.—Farms: Classification by tenure of operator, United States, 1910–92**

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 <sup>1</sup>	6,295,103	46.3	10.4	.9	42.4
1935	6,812,350	47.1	10.1	.7	42.1
1940 <sup>1</sup>	6,102,417	50.6	10.1	.6	38.8
1945	5,859,169	56.4	11.3	.7	31.7
1950 <sup>1</sup>	5,388,437	57.4	15.3	.4	26.9
1954	4,783,021	57.4	18.2	.4	24.0
1959 <sup>1</sup>	3,710,503	57.1	21.9	.6	20.5
1964 <sup>1</sup>	3,157,857	57.6	24.8	.6	17.1
1969 <sup>1</sup>	2,730,250	62.5	24.6	.....	12.9
1974 <sup>1</sup>	2,314,013	61.5	27.2	.....	11.3
1978 <sup>1</sup>	2,257,775	57.5	30.2	.....	12.3
1982 <sup>1</sup>	2,240,976	59.2	29.3	.....	11.6
1987 <sup>1</sup>	2,087,759	59.3	29.2	.....	11.5
1992 <sup>1</sup>	1,925,300	57.7	31.0	.....	11.3

<sup>1</sup> Includes Alaska and Hawaii.

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

**Table 9-8.—Farms: Classification by Tenants and Part Owners, United States, 1900–92**

Year	Land in farms	Land rented by operators <sup>1</sup>			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	400.9	35.7
1964	1,110.2	144.9	248.1	6 393.0	35.4
1969	1,063.3	137.6	241.8	379.4	35.7
1974	1,017.0	122.3	258.4	380.7	37.4
1978	1,029.7	124.1	285.3	406.3	39.4
1982	986.2	113.6	269.9	383.5	38.9
1987	964.5	126.9	275.4	402.3	41.7
1992	945.5	122.7	282.2	404.9	42.8

<sup>1</sup> 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; and earlier census volumes as noted. <sup>2</sup>Sum of part owners and owner/tenant, 1900 Census of Agriculture, table 20, pp.308. <sup>3</sup>Assumes 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. <sup>4</sup>1920 Census of Agriculture, vol. VI, part 1, table 5, p.19. <sup>5</sup>Assumes same proportion of owner and part-owner as in 1910. <sup>6</sup>1964

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, 1996 and 1997<sup>1</sup>

State	Farms <sup>2</sup>		Land in farms	
	1996	1997 <sup>3</sup>	1996	1997 <sup>3</sup>
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL .....	45,000	45,000	9,800	9,700
AK .....	510	510	920	920
AZ .....	7,500	7,500	35,400	35,400
AR .....	43,000	42,500	15,000	14,800
CA .....	82,000	84,000	30,000	30,000
CO .....	24,500	24,500	32,500	32,500
CT .....	3,800	3,900	380	380
DE .....	2,500	2,400	565	565
FL .....	40,000	40,000	10,300	10,300
GA .....	43,000	43,000	11,800	11,800
HI .....	4,600	4,600	1,590	1,590
ID .....	22,000	22,000	13,500	13,500
IL .....	76,000	76,000	28,100	28,000
IN .....	61,000	62,000	15,900	15,900
IA .....	98,000	98,000	33,200	33,200
KS .....	66,000	64,000	47,800	47,800
KY .....	88,000	88,000	14,000	13,900
LA .....	27,000	26,500	8,700	8,500
ME .....	7,400	7,300	1,340	1,340
MD .....	13,700	13,000	2,100	2,100
MA .....	6,100	6,200	570	570
MI .....	53,000	51,000	10,600	10,500
MN .....	87,000	87,000	29,800	29,800
MS .....	44,000	43,000	12,600	12,500
MO .....	104,000	102,000	30,000	29,900
MT .....	23,000	24,000	59,700	59,600
NE .....	56,000	55,000	47,000	47,000
NV .....	2,500	2,500	8,800	8,800
NH .....	2,400	2,400	430	430
NJ .....	9,200	9,400	840	830
NM .....	13,500	13,500	43,700	43,500
NY .....	36,000	36,000	7,700	7,700
NC .....	58,000	57,000	9,200	9,000
ND .....	31,000	30,500	40,300	40,200
OH .....	72,000	73,000	15,100	15,100
OK .....	72,000	73,000	34,000	34,000
OR .....	38,500	37,500	17,500	17,500
PA .....	50,000	50,000	7,700	7,700
RI .....	700	700	63	63
SC .....	21,500	21,500	5,000	5,000
SD .....	32,500	32,500	44,000	44,000
TN .....	80,000	80,000	11,800	11,800
TX .....	205,000	205,000	129,000	129,000
UT .....	13,400	13,400	11,000	11,000
VT .....	6,000	6,000	1,350	1,350
VA .....	47,000	47,000	8,600	8,500
WA .....	36,000	36,000	15,700	15,700
WV .....	20,000	20,000	3,700	3,700
WI .....	79,000	79,000	16,800	16,800
WY .....	9,100	9,100	34,600	34,600
US .....	2,063,910	2,057,910	970,048	968,338

<sup>1</sup> 1996 estimates are for a June 1 reference date. 1997 land in farms are for the entire year. <sup>2</sup> A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year. <sup>3</sup> Preliminary.

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

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

State	Cropland			Grassland pasture <sup>2</sup>	Forest land <sup>3</sup>	Special use areas <sup>4</sup>	Other land <sup>5</sup>	Total land area <sup>6</sup>
	Used for crops <sup>1</sup>	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

<sup>1</sup>Cropland harvested, crop failure, and cultivated summer fallow. <sup>2</sup>Grassland and other nonforest pasture and range. <sup>3</sup>Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. <sup>4</sup>Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes. <sup>5</sup>Miscellaneous areas such as marshes, open swamps, bare rock areas, and deserts, including urban and other special uses not inventoried. <sup>6</sup>Approximate 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: <sup>1</sup> Irrigated land, by States, 1959–92

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

<sup>1</sup>Data may not add because of rounding. <sup>2</sup>Data 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. <sup>3</sup>Less than 500 acres. <sup>4</sup>Not available.

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



**Table 9-12.—Farm real estate: Value of farmland and buildings, by States, 1993–97<sup>1</sup>**

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

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

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

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

Major land uses	1940	1950	1959	1969	1978	1982	1987	1992
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>
Cropland used for crops <sup>1</sup> .....	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 <sup>2</sup> .....	650	631	633	604	587	597	591	591
Forest land <sup>3</sup> .....	608	601	728	723	703	655	648	648
Special uses <sup>4</sup> .....	.....	.....	147	174	203	320	335	340
Other land .....	179	194	305	291	301	224	227	224
Total land area <sup>5</sup> .....	1,904	1,904	2,271	2,264	2,265	2,265	2,265	2,263

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

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

**Table 9-14.—Farm real estate: Average value per acre of land and buildings, by State, Mar. 1, 1970, and Jan. 1, 1993–97<sup>1</sup>**

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

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

**Table 9-15.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1987–96**

Item	1987 <sup>1</sup>	1988	1989	1990	1991
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
<b>ASSETS</b>					
Physical assets:					
Real estate .....	563.5	586.8	604.3	623.3	628.9
Non-real estate:					
Livestock <sup>2</sup> .....	58.0	62.2	66.2	70.9	68.1
Machinery and motor vehicles .....	78.7	81.0	84.1	86.3	85.9
Crops stored on and off farms <sup>3</sup> .....	17.7	23.6	23.7	23.0	22.2
Purchased inputs .....	3.2	3.5	2.6	2.8	2.6
Financial assets:					
Investments in cooperatives .....	25.2	25.1	26.3	27.5	28.6
Other <sup>4</sup> .....	9.9	10.3	10.5	10.8	11.9
<b>Total<sup>5</sup> .....</b>	<b>756.1</b>	<b>792.5</b>	<b>817.7</b>	<b>844.6</b>	<b>848.3</b>
<b>CLAIMS</b>					
Liabilities:					
Real estate debt .....	82.4	78.1	76.2	74.9	75.1
Non-real estate debt to—					
Reporting institutions <sup>6</sup> .....	51.1	50.0	49.6	50.5	51.3
Nonreporting creditors <sup>7</sup> .....	10.9	11.7	12.2	12.7	13.0
<b>Total liabilities<sup>5</sup> .....</b>	<b>144.4</b>	<b>139.8</b>	<b>138.1</b>	<b>138.1</b>	<b>139.4</b>
Proprietors' equity .....	611.7	652.6	679.6	706.4	708.8
<b>Total<sup>5</sup> .....</b>	<b>756.1</b>	<b>792.5</b>	<b>817.7</b>	<b>844.6</b>	<b>848.3</b>

  

Item	1992	1993	1994	1995	1996 <sup>8</sup>
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
<b>ASSETS</b>					
Physical assets:					
Real estate .....	646.4	678.3	712.4	761.3	805.4
Non-real estate:					
Livestock <sup>2</sup> .....	71.0	72.8	67.9	57.8	60.1
Machinery and motor vehicles .....	85.3	85.9	86.7	86.7	85.5
Crops stored on and off farms <sup>3</sup> .....	24.2	23.3	23.1	27.2	30.6
Purchased inputs .....	3.9	3.8	5.0	3.4	4.4
Financial assets:					
Investments in cooperatives .....	29.4	30.8	31.0	31.3	31.1
Other <sup>4</sup> .....	13.6	15.7	16.9	17.7	17.8
<b>Total<sup>5</sup> .....</b>	<b>873.8</b>	<b>910.7</b>	<b>943.0</b>	<b>985.4</b>	<b>1034.9</b>
<b>CLAIMS</b>					
Liabilities:					
Real estate debt .....	75.6	76.3	78.0	79.6	81.9
Non-real estate debt to—					
Reporting institutions <sup>6</sup> .....	50.4	51.7	53.9	55.3	56.8
Nonreporting creditors <sup>7</sup> .....	13.2	14.2	15.2	16.2	17.4
<b>Total liabilities<sup>5</sup> .....</b>	<b>139.3</b>	<b>142.2</b>	<b>147.1</b>	<b>151.0</b>	<b>156.2</b>
Proprietors' equity .....	734.5	768.5	795.9	834.3	878.7
<b>Total<sup>5</sup> .....</b>	<b>873.8</b>	<b>910.7</b>	<b>943.0</b>	<b>985.4</b>	<b>1034.9</b>

<sup>1</sup>Beginning 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. <sup>2</sup>Horses and mules are excluded. <sup>3</sup>Excludes all crops held on farms including crops under loan to Commodity Credit Corporation, and crops held off farms as security for CCC loans. <sup>4</sup>Includes farm share of currency and demand deposits. <sup>5</sup>Total of rounded data. <sup>6</sup>Loans of all operating banks, the Farm Credit System, and direct loans of the Farm Service Agency. <sup>7</sup>Loans and credits extended by dealers, merchants, finance companies, individuals, and others. <sup>8</sup>Preliminary.

**Table 9-16.—Farm machinery and equipment: Number of specified kinds on farms, and tractor horsepower, United States, Census years <sup>1</sup>, 1954–92**

Year	Tractors (exclusive of garden)				Motor-trucks	Grain combines <sup>3</sup>	Cornheads <sup>4</sup>	Pickup balers <sup>5</sup>	Field forage harvesters <sup>6</sup>
	Total <sup>2</sup>	Wheel	Crawler	Horse-power					
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Millions</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1954 .....	4,345	4,185	160	126	2,702	979	688	448	202
1959 .....	4,688	4,489	199	153	2,834	1,042	792	680	291
1964 .....	4,786	4,601	186	176	3,030	910	690	751	316
1969 .....	4,622	4,419	203	203	2,985	790	635	708	304
1974 .....	4,467	4,312	155	222	3,038	524	615	666	255
1978 .....	NA	<sup>7</sup> 4,626	NA	301	3,358	655	694	744	295
1982 .....	NA	4,524	NA	309	3,435	644	684	800	285
1987 .....	NA	4,609	NA	NA	3,437	667	NA	823	NA
1992 .....	NA	4,305	NA	NA	3,295	569	NA	790	NA

<sup>1</sup>Data as of December 31. Data are from Census of Agriculture. <sup>2</sup>Includes wheel and crawler-type tractors. <sup>3</sup>Data for 1974 and after are for self-propelled combines only. <sup>4</sup>Includes corn pickers and picker shells. <sup>5</sup>Does not include balers, producing bales weighing more than 200 pounds. <sup>6</sup>Data for 1978 and after do not include flail-type forage harvesters. <sup>7</sup>U.S. totals for 1978 are not directly comparable with totals for 1974 or earlier Census years, because they include State-level data from farm operators represented on the Census mailing list, plus estimates from the direct enumeration sample for farms not represented on the mailing list. As a result, figures for nearly all categories are somewhat higher than they would be using the earlier base. NA-not available.

ERS, Resource Economics Division, (202) 694-5528.

**Table 9-17.—The Farm Entrepreneurial Population and Farm Operators and Managers, 1993–95 <sup>1</sup>**

Characteristics	Farm Entrepreneurial Population			Farm Operators and Manager <sup>2</sup>		
	1993	1994	1995	1993	1994	1995
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Northeast .....	375	376	449	79	94	119
Midwest .....	2,168	2,284	2,188	528	601	633
South .....	1,567	1,564	1,455	372	369	386
West .....	757	639	932	207	184	246
Male .....	2,614	2,565	2,681	1,024	1,071	1,071
Female .....	2,253	2,298	2,343	161	177	314
White .....	4,679	4,686	4,867	1,135	1,220	1,363
Black .....	113	78	81	20	14	8
Hispanic origin .....	118	129	178	25	23	34
Median age (years) .....	36.5	36.4	35.0	48.3	48.7	47.5
Total .....	4,867	4,862	5,024	1,186	1,248	1,384
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Educational Attainment <sup>3</sup>						
Not High School .....	14.6	15.0	14.6	19.8	19.4	19.7
High school grad. only .....	44.2	42.9	41.7	49.5	44.5	44.1
Some college or more .....	41.3	42.0	43.7	30.7	36.2	36.1

Source: March Current Population Survey.

<sup>1</sup> The farm entrepreneurial population consist of all persons in households where at least one member is employed primarily as a farm operator or farm manager or at least one member received farm self-employment income in the preceding year. <sup>2</sup> Farm operators and managers are those individuals who indicated that their longest job was as a farm operator or manager. <sup>3</sup> Educational attainment applies to persons age 25 years and older.

ERS, Population, Labor & Income Branch, (202) 219-0592.

**Table 9-18.—Farm machines, selected types: Units shipped in the United States, 1987–96**

Year	Moldboard plows	Subsoilers, deep tillage	Chisel plows or tillers (chisel or sweep type)	Field cultivators	Cultivators <sup>1</sup>	Power sprayers and dusters <sup>2</sup>	Crop dryers <sup>3</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1987	867	1,202	3,644	4,198	6,720	716	6,587
1988	1,574	2,102	4,596	4,207	10,154	43,832	3,923
1989	1,952	2,661	4,446	6,403	13,106	46,224	5,401
1990	2,665	2,516	4,225	7,255	15,449	49,992	4,533
1991	1,382	1,999	3,413	3,829	10,580	48,845	10,201
1992	.....	2,968	.....	3,186	9,274	49,138	14,906
1993	.....	3,350	.....	2,885	8,741	19,708	24,561
1994	.....	4,173	.....	5,074	8,378	.....	22,891
1995	.....	3,486	.....	5,903	7,319	.....	23,546
1996	.....	4,148	.....	5,124	8,023	.....	.....

  

Year	Side delivery rakes	Hay balers <sup>4</sup>	Field forage harvesters	Combines (harvester threshers)	Small grain headers for combines	Corn picking units (combine attachments)	Cotton strippers and pickers <sup>5</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1987	4,230	18,002	2,209	9,484	9,212	4,485	2,978
1988	7,127	25,974	3,508	7,573	14,302	.....	4,242
1989	10,925	33,373	3,958	11,229	20,316	.....	3,879
1990	12,251	36,422	4,631	14,629	24,573	.....	3,872
1991	8,738	25,336	3,192	11,555	16,969	.....	.....
1992	7,288	20,607	1,719	9,236	13,014	.....	.....
1993	7,931	21,705	1,976	.....	.....	.....	.....
1994	9,933	26,547	2,310	.....	.....	.....	.....
1995	10,204	24,098	1,788	.....	.....	.....	.....
1996	9,055	21,241	1,598	.....	.....	.....	.....

  

Year	Peanut combines, diggers, shakers, and windrowers	Potato harvesters <sup>6</sup>	Manure spreaders	Feed grinders and crushers	Silo and grain bin unloaders	Milking machines <sup>7</sup>	Mower-conditioners (combination) <sup>8</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1987	1,031	260	11,815	2,537	7,273	37,517	11,738
1988	1,422	289	14,383	2,322	11,596	39,539	15,856
1989	3,621	393	12,935	2,301	14,446	38,709	21,035
1990	5,431	466	12,978	2,211	18,490	42,870	29,306
1991	.....	.....	9,562	2,000	31,294	25,928	21,176
1992	.....	.....	9,940	2,432	33,768	31,214	14,842
1993	.....	.....	9,914	2,293	34,822	33,211	17,240
1994	.....	.....	11,141	2,259	17,292	.....	22,938
1995	.....	.....	8,034	1,864	36,847	.....	19,894
1996	.....	.....	5,956	.....	39,822	.....	.....

<sup>1</sup> Row cultivators, tractor-drawn or mounted; corn and cotton type; rotary cultivators not included. <sup>2</sup> Does not include foggers and mist sprayers. <sup>3</sup> Starting 1993 includes only self-propelled, tractor mounted, and other PTO and engine driven sprayers. <sup>4</sup> Beginning 1991, includes heated and cold air crop dryers. <sup>5</sup> Beginning 1991, includes stackers and loaders. <sup>6</sup> Beginning in 1986, includes potato diggers, corn harvesting equipment, picker-shellers, and field shelling attachments for corn pickers. <sup>7</sup> Beginning in 1987, beet harvesters are included. <sup>8</sup> Includes all mechanical milking machines, vacuum pumping outfits, and complete pipeline milking units. Beginning 1991, excludes vacuum pumping outfits. <sup>9</sup> Includes self-propelled windrowers.

**Table 9-19.—Farm machines and equipment: Value of shipments, including exports, by classes, United States, 1987-96**

Year	Total	Plows and listers	Harrows, rollers, pulverizers, and similar equipment	Planting and fertilizing machinery	Harvesting machinery	Haying equipment	Dairying equipment, sprayers, and elevators	All other farm machinery <sup>1</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1987 .....	4,804,864	74,643	99,918	409,082	1,282,315	433,671	364,727	2,140,508
1988 .....	6,198,210	117,725	136,923	508,566	1,422,751	574,587	434,828	3,002,830
1989 .....	7,631,496	130,754	207,834	638,248	1,858,777	731,077	478,197	3,586,609
1990 .....	8,809,218	135,972	212,376	676,159	2,302,510	875,104	516,009	4,091,088
1991 .....	7,705,700	119,600	321,600	601,000	2,158,000	659,100	449,200	3,397,200
1992 .....	7,234,500	107,400	273,400	634,100	1,863,700	558,200	469,900	3,327,800
1993 .....	8,127,600	123,400	281,000	804,600	2,036,900	622,500	591,100	3,668,100
1994 .....	9,263,000	144,700	181,000	949,100	2,201,400	784,600	709,000	4,293,200
1995 .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	852,900	2,666,800	729,400	764,700	.....
1996 .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	858,900	2,962,000	662,900	833,600	.....

<sup>1</sup> Tractors are reported in the all other category to avoid disclosing individual companies.

<sup>2</sup> Data no longer available.

ERS, Natural Resource Conservation and Management Branch, (202) 694-5528. Data is from the Current Industrial Reports, MA35A, Farm Machinery, Department of Commerce.

**Table 9-20.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions, 1997<sup>1 2</sup>**

State and region <sup>3</sup>	Workers on farms	Farm wage rates			All hired workers <sup>4</sup>
	Hired	Type of worker			
		Field	Livestock	Field and live-stock	
	<i>Thousands</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>	
<i>Jan. 12-18, 1997</i>					
Northeast I .....	29	7.78	6.28	6.82	7.46
Northeast II .....	30	7.38	6.12	6.66	7.40
Appalachian I .....	23	6.24	6.91	6.46	6.85
Appalachian II .....	24	5.87	6.27	6.08	6.81
Southeast .....	33	7.36	6.14	7.01	7.43
FL .....	56	6.80	6.80	6.80	7.45
Lake .....	44	7.74	6.20	6.66	7.28
Cornbelt I .....	31	7.13	7.42	7.27	7.88
Cornbelt II .....	24	7.35	6.32	6.73	7.22
Delta .....	26	6.26	6.16	6.21	6.83
N. Plains .....	25	7.80	7.16	7.34	7.56
S. Plains .....	47	5.56	5.97	5.81	6.12
Mountain I .....	11	6.19	6.59	6.48	6.91
Mountain II .....	13	6.75	6.64	6.67	7.37
Mountain III .....	15	5.82	5.90	5.85	6.37
Pacific .....	49	6.71	6.92	6.78	7.43
CA .....	137	6.04	7.50	6.25	7.10
HI .....	7	8.85	( <sup>5</sup> )	8.87	10.32
US (49 States) .....	624	6.60	6.52	6.57	7.20
<i>Apr. 6-12, 1997</i>					
Northeast I .....	40	7.11	5.67	6.59	7.22
Northeast II .....	41	6.62	5.81	6.27	6.99
Appalachian I .....	38	6.04	6.85	6.28	6.49
Appalachian II .....	25	5.69	6.28	5.86	6.28
Southeast .....	43	6.14	5.70	6.02	6.59
FL .....	60	6.51	6.30	6.49	7.19
Lake .....	63	7.50	6.56	6.91	7.31
Cornbelt I .....	55	7.28	7.47	7.33	7.91
Cornbelt II .....	27	6.76	6.43	6.57	6.64
Delta .....	39	5.91	6.33	6.02	6.50
N. Plains .....	27	7.96	6.61	7.07	7.72
S. Plains .....	55	5.37	5.78	5.57	5.98
Mountain I .....	20	6.59	4.95	5.65	5.94
Mountain II .....	22	6.58	5.99	6.40	6.95
Mountain III .....	16	5.78	5.90	5.81	6.24
Pacific .....	61	6.71	7.64	6.88	7.36
CA .....	171	6.90	8.06	6.99	7.35
HI .....	6	8.81	( <sup>5</sup> )	8.82	9.98
US (49 States) .....	809	6.64	6.40	6.59	7.04

See footnotes at end of table.

**Table 9-20.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions<sup>1 2</sup>, 1997—Continued**

State and region <sup>3</sup>	Workers on farms	Farm wage rates			All hired workers <sup>4</sup>
	Hired	Type of worker			
		Field	Livestock	Field and live- stock	
	<i>Thousands</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>	
<i>July 6-12, 1997</i>					
Northeast I .....	49	6.99	6.41	6.81	7.15
Northeast II .....	48	6.29	5.71	6.10	6.56
Appalachian I .....	67	5.62	6.67	5.77	5.87
Appalachian II .....	39	5.65	5.45	5.60	5.80
Southeast .....	48	5.92	6.08	5.95	6.46
FL .....	40	6.71	6.60	6.69	7.60
Lake .....	70	6.56	6.10	6.35	6.72
Cornbelt I .....	65	6.70	7.84	6.95	7.63
Cornbelt II .....	37	6.93	6.65	6.82	7.17
Delta .....	50	5.67	6.42	5.86	6.23
No. Plains .....	51	6.95	6.99	6.96	7.39
So. Plains .....	82	5.60	6.17	5.83	6.32
Mountain I .....	26	5.89	6.39	6.00	6.19
Mountain II .....	30	5.88	6.69	6.00	6.33
Mountain III .....	25	6.30	6.21	6.29	6.99
Pacific .....	108	6.83	8.54	6.93	7.33
CA .....	227	6.74	7.43	6.79	7.18
HI .....	7	9.11	( <sup>5</sup> )	9.10	10.34
US (49 States) .....	1,069	6.44	6.54	6.46	6.88
<i>October 12-18, 1997</i>					
Northeast I .....	46	7.39	6.45	7.09	7.49
Northeast II .....	43	6.68	6.18	6.50	7.06
Appalachian I .....	53	6.51	6.77	6.55	6.73
Appalachian II .....	52	6.14	6.16	6.14	6.27
Southeast .....	32	6.38	6.27	6.36	6.95
FL .....	45	7.10	7.65	7.19	7.75
Lake .....	80	7.85	6.01	7.28	7.73
Cornbelt I .....	56	7.17	7.46	7.21	7.81
Cornbelt II .....	46	7.08	7.08	7.08	7.23
Delta .....	52	5.92	6.40	5.99	6.22
No. Plains .....	52	7.05	6.59	6.91	7.22
So. Plains .....	66	6.10	6.73	6.41	6.70
Mountain I .....	28	6.28	6.74	6.43	6.65
Mountain II .....	26	6.74	7.23	6.85	7.25
Mountain III .....	20	6.17	6.66	6.25	6.85
Pacific .....	79	7.55	8.14	7.60	8.11
CA .....	220	7.06	7.84	7.13	7.55
HI .....	8	8.49	( <sup>5</sup> )	8.55	9.98
US (49 States) .....	1,004	6.94	6.80	6.91	7.31

<sup>1</sup>Excludes agricultural service workers. <sup>2</sup>Includes all persons doing work for pay during the survey week. <sup>3</sup>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. <sup>4</sup>Includes field, livestock, supervisors, and other workers doing work for pay during the survey week. <sup>5</sup>Insufficient data.

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



**Table 9-21.—Farm labor: Number of workers on farms and average wage rates, United States, 1988–97 <sup>1</sup>**

Year	Total workers	Self-employed and unpaid workers <sup>2</sup>	Hired workers <sup>3</sup>	Hired farm workers <sup>3</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Wage rates</i>
1988.				
Apr .....	2,732	1,796	936	5.00
July .....	3,218	2,018	1,200	4.90
Oct .....	2,913	1,937	976	5.18
1989.				
Jan .....	2,322	1,621	701	5.51
Apr .....	2,607	1,777	830	5.35
July .....	3,448	2,251	1,197	5.23
Oct .....	3,076	2,093	983	5.42
1990.				
Jan .....	2,447	1,752	695	5.70
Apr .....	2,761	1,928	833	5.54
July .....	3,335	2,229	1,106	5.30
Oct .....	3,022	2,087	935	5.64
1991.				
Jan .....	2,446	1,740	706	6.00
Apr .....	2,743	1,917	826	5.81
July .....	3,318	2,205	1,113	5.57
Oct .....	3,002	2,006	996	5.88
1992.				
Jan .....	2,449	1,746	703	6.37
Apr .....	2,669	1,832	837	6.05
July .....	3,172	2,140	1,032	5.82
Oct .....	2,950	2,058	892	6.09
1993.				
Jan .....	2,348	1,737	611	6.40
Apr .....	2,660	1,832	828	6.37
July .....	3,225	2,163	1,062	6.07
Oct .....	2,966	2,038	928	6.26
1994.				
Jan .....	2,340	1,703	637	6.54
Apr .....	2,679	1,876	803	6.42
July .....	3,169	2,129	1,040	6.21
Oct .....	2,886	2,006	880	6.46
1995.				
Jan .....	2,291	1,662	629	6.73
Apr .....	2,643	1,821	822	6.49
July .....	3,324	2,258	1,066	6.44
Oct .....	3,084	2,127	957	6.58
Annual average .....	2,836	1,967	869	6.54
1996.				
Jan .....	2,347	1,749	598	6.89
Apr .....	2,699	1,919	780	6.76
July .....	( <sup>4</sup> )	( <sup>4</sup> )	1,015	6.55
Oct .....	( <sup>4</sup> )	( <sup>4</sup> )	935	6.97
Annual average .....	2,842	2,010	832	6.78
1997.				
Jan .....	( <sup>4</sup> )	( <sup>4</sup> )	624	7.20
Apr .....	( <sup>4</sup> )	( <sup>4</sup> )	809	7.04
July .....	( <sup>4</sup> )	( <sup>4</sup> )	1,069	6.88
Oct .....	( <sup>4</sup> )	( <sup>4</sup> )	1,004	7.31
Annual average .....	2,670	1,991	879	7.36

<sup>1</sup> 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. <sup>2</sup> 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. <sup>3</sup> Includes all persons doing farm work for pay during the survey week. <sup>4</sup> Discontinued.

**Table 9-22.—Hired Farmworkers: Number of Workers and Median Weekly Earnings, 1994–96<sup>1 2</sup>**

Characteristics	Workers			Median Weekly Earnings <sup>3</sup>	994	
	1994 <sup>4</sup>	1995 <sup>4</sup>	1996		1995	1996
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All workers .....	793	849	906	231	247	250
15–19 years old .....	97	124	155	119	120	100
20–24 years old .....	125	132	98	225	250	225
25–34 years old .....	223	227	218	250	250	284
35–44 years old .....	164	148	199	262	269	280
45–54 years old .....	105	118	123	248	260	260
55 years old and older .....	78	100	113	228	227	241
Male .....	663	718	763	240	248	250
Female .....	129	131	143	180	200	188
White <sup>5</sup> .....	406	455	534	240	231	248
Black and other races <sup>5</sup> .....	59	45	46	210	204	220
Hispanic .....	327	349	326	235	245	250
Schooling completed <sup>6</sup>						
Less than 5th grade .....	106	121	119	200	230	250
5th–8th grade .....	181	191	181	231	231	240
9th–12th grade (no diploma) .....	180	193	219	200	200	200
High school diploma .....	202	220	230	269	280	275
Beyond high school .....	124	125	157	300	300	320
Full-time (35 or more hours per week) .....	634	694	703	250	260	280
Part-time (less than 35 hours per week) .....	159	155	203	110	95	100

<sup>1</sup>Represents 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. <sup>2</sup>Data for 1994 and 1995 are not directly comparable with data for 1993 and earlier years because of survey redesign. <sup>3</sup>“Median weekly earnings” is the value that divides the earnings into two equal parts, one part having earnings above the median and the other part having earnings below the median. “Earnings” refers to the weekly earnings the farmworker usually earns at a farmwork job, before deductions, and includes any overtime pay or commissions. <sup>4</sup>Revised. <sup>5</sup>Excludes persons of Hispanic origin. <sup>6</sup>Educational attainment levels, prior to January 1992, reflected years of schooling completed rather than degrees or diplomas received.

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

**Table 9-23.—Crops: Area, United States, 1988–97**

Year	Principal crops				Commercial vegetables, harvested area <sup>4</sup>	Fruits and planted nuts, bearing area <sup>5</sup>
	Area harvested			Area planted total <sup>3</sup>		
	Feed grains <sup>1</sup>	Food grains <sup>2</sup>	Total <sup>3</sup>			
	<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>
1988 .....	80,458	56,684	288,995	318,032	2,472.3	3,514.2
1989 .....	91,081	65,360	304,574	331,152	2,624.5	3,506.9
1990 .....	89,517	72,301	307,768	326,337	2,671.5	3,504.7
1991 .....	91,921	60,979	303,352	325,362	2,643.8	3,486.4
1992 .....	95,908	66,284	306,652	326,453	3,323.2	3,534.9
1993 .....	82,393	65,926	295,529	319,553	3,215.3	3,656.1
1994 .....	92,481	65,493	308,138	323,968	3,428.6	3,693.0
1995 .....	82,514	64,423	301,032	318,237	3,417.1	3,749.2
1996 .....	94,500	66,073	313,518	334,371	3,327.5	3,815.3
1997 .....	92,447	66,952	319,894	334,139	3,267.6	3,824.5

<sup>1</sup>Corn for grain, oats, barley, and sorghum for grain. <sup>2</sup>Wheat, rye, and rice. <sup>3</sup>Crops 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. <sup>4</sup>Area 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. <sup>5</sup>Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, limes, tangelos, and K-Early Citrus (area is for the year of harvest); deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit, olives, avocados, papayas, dates, persimmons, pineapples and pomegranates; nuts—walnuts, almonds, filberts, macadamias, and pistachios.

NASS, Crops Branch, (202) 720–2127.

Table 9-24.—Crops: Area, yield, production, and value, United States, 1995-97<sup>1</sup>

Crop	Area harvested <sup>2</sup>			Unit	Yield per harvested acre <sup>3</sup>		
	1995	1996	1997 <sup>4</sup>		1995	1996	1997 <sup>4</sup>
	1,000 acres	1,000 acres	1,000 acres				
Corn for grain	64,995.0	73,147.0	73,720.0	Bushel	113.5	127.1	127.0
Corn for silage	5,295.0	5,415.0	5,758.0	Ton	14.7	15.4	16.0
Sorghum for grain	8,278.0	11,901.0	9,391.0	Bushel	55.6	67.5	69.5
Sorghum for silage	368.0	371.0	310.0	Ton	9.9	11.7	12.5
Oats <sup>5</sup>	2,962.0	2,685.0	2,911.0	Bushel	54.7	57.8	60.5
Barley <sup>5</sup>	6,279.0	6,767.0	6,425.0	Bushel	57.3	58.5	58.3
Wheat, all <sup>5</sup>	60,945.0	62,927.0	63,577.0	Bushel	35.8	36.3	39.7
Winter <sup>5</sup>	40,972.0	39,679.0	41,813.0	Bushel	37.7	37.2	45.0
Durum <sup>5</sup>	3,356.0	3,556.0	3,107.0	Bushel	30.5	32.6	27.7
Other spring <sup>5</sup>	16,617.0	19,692.0	18,657.0	Bushel	32.2	35.1	29.9
Rice	3,093.0	2,799.0	3,034.0	Pound	5,621	6,121	5,896
Rye <sup>5</sup>	385.0	347.0	341.0	Bushel	26.1	26.0	26.1
Soybeans for beans	61,624.0	63,409.0	69,884.0	Bushel	35.3	37.6	39.0
Peanuts for nuts	1,517.0	1,380.0	1,405.8	Pound	2,282	2,653	2,523
Sunflower	3,368.0	2,499.0	2,852.0	Pound	1,190	1,435	1,320
Canola	429.0	346.0	698.0	Pound	1,278	1,384	1,310
Mustard seed	22.0	18.6	72.8	Pound	832	785	816
Rapeseed	2.4	2.2	1.5	Pound	1,255	1,470	1,300
Safflower	237.0	230.0	235.0	Pound	1,770	1,829	1,830
Flaxseed	147.0	92.0	135.0	Bushel	15.0	17.4	16.1
Cotton lint	16,006.7	12,868.1	13,283.5	Pound	537	707	686
Upland	15,795.6	12,612.2	13,032.5	Pound	533	701	679
Amer-Pima	211.1	255.9	251.0	Pound	836	991	1,027
Cottonseed				Ton			
Hay, all	59,629.0	60,879.0	60,815.0	Ton	2.59	2.45	2.50
Hay, Alfalfa	24,489.0	24,291.0	23,673.0	Ton	3.45	3.27	3.35
Hay, All other	35,140.0	36,588.0	37,142.0	Ton	1.98	1.91	1.96
Beans, dry edible	1,899.3	1,752.7	1,720.2	Pound	1,622	1,595	1,695
Peas, dry edible	194.0	204.9	276.6	Pound	2,456	1,304	2,103
Peas, wrinkled seed	NA	NA	NA	NA	NA	NA	NA
Peas, Austrian winter	7.7	7.3	7.6	Pound	1,545	1,411	1,513
Lentils	163.1	140.0	172.0	Pound	1,364	952	1,390
Potatoes:							
Winter	11.9	14.5	15.4	Cwt	208	226	203
Spring	84.3	90.0	86.2	Cwt	240	249	252
Summer	70.7	74.8	65.9	Cwt	254	261	272
Fall	1,205.2	1,246.7	1,158.0	Cwt	334	364	360
Total	1,372.1	1,426.0	1,325.5	Cwt	323	350	347
Sweetpotatoes	83.6	84.8	83.5	Cwt	154	159	156
Tobacco	663.1	732.7	797.3	Pound	1,913	2,071	2,106
Sugarbeets	1,420.1	1,323.3	1,427.8	Ton	19.8	20.2	20.9
Sugarcane for sugar and seed	932.3	888.9	915.5	Ton	33.0	33.1	34.0
Peppermint oil	135.3	131.4	136.3	Pound	70	72	75
Spearmint oil	28.8	22.7	24.5	Pound	79	95	98
Taro	0.6	0.5	0.5	Pound	12,400	10,800	11,600
Hops	43.2	44.2	43.3	Pound	1,826	1,698	1,729
Ginger root (H)	0.1	0.2	0.3	Pound	43,000	47,000	44,000
Apples, commercial crop	460,470	461,470	454,220	Ton	11.50	11.30	11.30
Apricots	21,290	21,690	21,890	Ton	2.84	3.66	6.30
Avocados <sup>8</sup>	65,910	63,580	NA	Ton	2.89	2.97	NA
Bananas	930	1,040	1,040	Ton	6.99	6.25	6.49
Berries	57,590	57,380	61,440	Ton	2.54	2.04	2.62
Cherries, sweet	47,380	48,180	48,770	Ton	3.49	3.20	4.57
Cherries, tart	45,625	41,600	39,780	Ton	4.34	3.27	3.63
Cranberries	32,800	34,000	34,900	Ton	6.39	6.87	7.87
Dates	5,200	4,680	4,800	Ton	4.37	5.56	5.31
Figs <sup>7</sup>	14,700	15,400	16,000	Ton	3.56	2.95	3.03
Grapes	754,220	763,830	777,420	Ton	8.12	7.27	8.79
Guava	750	710	NA	Ton	10.90	11.50	NA
Kiwifruit	6,600	6,600	6,600	Ton	5.76	4.77	5.97
Nectarines	32,400	34,600	37,100	Ton	5.43	7.14	7.12
Olives	33,700	33,700	33,700	Ton	2.30	4.93	3.09
Papayas	2,435	1,835	2,000	Ton	10.40	11.40	10.30
Peaches	169,710	168,755	167,900	Ton	6.78	6.27	7.90
Pears	70,550	70,530	70,110	Ton	13.40	11.60	14.90
Pineapples	19,900	20,000	19,900	Ton	NA	NA	NA
Plums (California)	42,000	42,600	42,000	Ton	2.95	5.35	5.79
Prunes, dried (California)	78,800	80,200	81,200	Ton	7.58	8.78	7.54
Prunes and plums, fresh basis (excluding California)	6,400	5,900	5,900	Ton	3.52	3.39	4.92
Strawberries	48,330	47,970	44,690	Ton	16.60	17.00	18.30
Oranges <sup>9</sup>	771,170	808,050	841,800	Box	342	327	352
Grapefruit <sup>9</sup>	166,360	174,370	182,900	Box	427	380	384
Lemons <sup>9</sup>	61,800	60,600	60,400	Box	382	431	374
Limes <sup>9</sup>	1,900	2,000	2,100	Box	121	150	152
Tangerines <sup>9</sup>	34,300	38,600	42,500	Box	195	210	222
Tangelos <sup>9</sup>	12,400	12,700	13,300	Box	254	193	297
Temples <sup>9</sup>	6,800	6,600	6,700	Box	375	326	358
K-Early Citrus <sup>9</sup>	400	300	400	Box	300	533	375

See footnotes at end of table.

**Table 9-24.—Crops: Area, yield, production, and value, United States, 1995–97<sup>1</sup>—  
Continued**

Crop	Production				Value of production		
	Unit	1995	1996	1997 <sup>4</sup>	1995	1996	1997 <sup>4</sup>
		Thou- sands	Thou- sands	Thou- sands	1,000 dollars	1,000 dollars	1,000 dollars
Corn for grain .....	Bushel ....	7,373,876	9,293,435	9,365,574	24,117,503	25,312,028	24,394,072
Corn for silage .....	Ton .....	77,867	83,594	91,903			
Sorghum for grain .....	Bushel ....	460,373	802,974	653,106	1,395,413	2,004,154	1,455,717
Sorghum for silage .....	Ton .....	3,652	4,356	3,885			
Oats <sup>5</sup> .....	Bushel ....	162,027	155,273	176,104	280,547	319,067	289,148
Barley <sup>5</sup> .....	Bushel ....	359,562	395,751	374,478	1,028,756	1,091,463	917,131
Wheat, all <sup>5</sup> .....	Bushel ....	2,182,591	2,285,133	2,526,552	9,787,213	9,814,961	8,611,684
Winter <sup>5</sup> .....	Bushel ....	1,544,653	1,477,058	1,882,609	6,717,800	6,427,598	6,186,746
Durum <sup>5</sup> .....	Bushel ....	102,280	116,090	86,193	567,541	541,993	418,213
Other spring <sup>5</sup> .....	Bushel ....	535,658	691,985	557,750	2,501,872	2,845,370	2,006,725
Rice .....	Cwt .....	173,871	171,321	178,896	1,587,236	1,687,407	1,728,687
Rye <sup>5</sup> .....	Bushel ....	10,064	9,016	8,912	28,948	33,407	31,946
Soybeans for beans .....	Bushel ....	2,176,814	2,382,364	2,727,254	14,616,758	17,455,175	17,704,722
Peanuts for nuts .....	Pound ....	3,461,475	3,661,205	3,546,360	1,013,323	1,029,774	927,047
Sunflower .....	Pound ....	4,009,340	3,586,615	3,763,428	457,575	417,910	426,571
Canola .....	Pound ....	548,263	478,881	914,385	60,817	61,811	103,056
Mustard seed .....	Pound ....	18,304	14,601	59,405	2,227	2,460	9,432
Rapeseed .....	Pound ....	3,012	3,234	1,950	361	429	257
Safflower .....	Pound ....	419,490	420,665	430,050	61,059	76,319	67,042
Flaxseed .....	Bushel ....	2,211	1,602	2,171	11,475	10,197	12,473
Cotton lint .....	Bale .....	17,899.8	18,942.0	18,976.9	6,574,612	6,408,144	6,142,346
Upland .....	Bale .....	17,532.2	18,413.5	18,439.9	6,358,184	6,136,592	5,882,683
Amer-Pima .....	Bale .....	367.6	528.5	537.0	216,428	271,552	259,663
Cottonseed .....	Ton .....	6,848.7	7,143.5	7,278.0	731,005	914,564	876,450
Hay, all .....	Ton .....	154,166	149,457	152,120	11,041,844	12,722,600	13,416,721
Hay, Alfalfa .....	Ton .....	84,515	79,517	79,242	6,812,107	7,845,294	8,324,963
Hay, All other .....	Ton .....	69,651	69,940	72,878	4,229,737	4,877,306	5,091,758
Beans, dry edible .....	Cwt .....	30,812	27,960	29,156	636,133	653,134	586,452
Peas, dry edible .....	Cwt .....	4,765	2,671	5,816	45,062	29,638	43,020
Peas, Austrian winter .....	Cwt .....	119	103	115	1,440	1,329	1,426
Lentils .....	Cwt .....	2,224	1,333	2,391	37,300	22,758	31,156
Peas, wrinkled seed .....	Cwt .....	1,048	548	682	14,672	8,877	10,743
Potatoes .....	Cwt .....	443,606	498,633	459,912	2,991,722	2,430,889	2,604,189
Sweetpotatoes .....	Cwt .....	12,906	13,456	13,025	204,658	193,439	213,171
Tobacco .....	Pound ....	1,268,538	1,517,351	1,678,821	2,305,192	2,851,548	3,039,217
Maple syrup .....	Gal .....	1,096	1,567	1,293	28,719	42,169	30,484
Sugarbeets .....	Ton .....	28,065	26,680	29,874	1,070,663	1,211,001	NA
Sugarcane for sugar and seed .....	Ton .....	30,796	29,462	31,124	906,956	833,245	NA
Peppermint oil .....	Pound ....	9,449	9,424	10,256	130,048	128,459	135,455
Spearmint oil .....	Pound ....	2,274	2,150	2,403	27,858	25,860	28,770
Taro .....	Pound ....	6,800	5,700	5,200	3,264	2,793	2,652
Hops .....	Pound ....	78,852.4	74,970.5	74,872.1	135,087	123,530	117,924
Ginger root (HI) .....	Pound ....	5,800	9,400	12,100	5,046	7,050	8,107
Apples, commercial crop .....	Ton .....	5,292.5	5,196.0	5,113.3	1,765,582	1,644,226	1,687,974
Apricots .....	Ton .....	60.5	79.3	138.0	27,572	35,171	42,622
Avocados <sup>8</sup> .....	Ton .....	190.3	188.7	NA	244,733	264,238	NA
Bananas <sup>11</sup> .....	Ton .....	6.5	6.5	6.8	5,200	5,200	5,265
Berries .....	Ton .....	148.3	118.9	165.9	202,134	218,173	223,782
Cherries, sweet .....	Ton .....	165.5	154.3	222.8	193,315	223,425	274,795
Cherries, tart .....	Ton .....	197.8	135.9	144.5	18,456	41,747	NA
Cranberries .....	Ton .....	209.7	233.6	274.5	223,938	307,827	NA
Dates .....	Ton .....	22.7	26.0	25.5	17,706	18,460	21,930
Figs <sup>7</sup> .....	Ton .....	52.4	45.5	48.5	16,429	12,850	12,103
Grapes .....	Ton .....	5,922.3	5,554.3	6,836.4	2,047,220	2,371,375	2,691,265
Guava <sup>11</sup> .....	Ton .....	8.2	8.2	NA	2,378	2,249	NA
Kiwifruit .....	Ton .....	38.0	31.5	39.4	15,089	13,368	NA
Nectarines .....	Ton .....	176.0	247.0	264.0	93,990	116,977	98,895
Olives .....	Ton .....	77.5	166.0	104.0	50,069	102,529	68,560
Papayas <sup>11</sup> .....	Ton .....	25.4	20.9	20.5	18,494	17,054	19,030
Peaches .....	Ton .....	1,150.8	1,058.2	1,325.6	404,990	394,308	451,202
Pears .....	Ton .....	948.3	820.8	1,044.0	257,964	308,367	299,621
Pineapples <sup>11</sup> .....	Ton .....	345.0	347.0	324.0	87,360	95,914	91,721
Plums (California) .....	Ton .....	124.0	228.0	243.0	117,849	95,831	75,886
Prunes, dried (California) .....	Ton .....	597.3	704.0	612.0	188,240	187,097	NA
Prunes and plums, fresh basis (excluding California) .....	Ton .....	22.5	20.0	29.0	6,718	8,525	7,860
Strawberries .....	Ton .....	804.1	813.8	816.6	812,668	770,391	907,523
Oranges <sup>9</sup> .....	Box .....	263,605	263,890	296,620	1,624,061	1,822,576	1,936,416
Grapefruit <sup>9</sup> .....	Box .....	71,050	66,200	70,200	307,525	296,134	274,514
Lemons <sup>9</sup> .....	Box .....	23,600	26,100	22,600	263,441	251,255	294,120
Limes <sup>9</sup> .....	Box .....	230	300	320	3,329	3,914	3,204
Tangerines <sup>9</sup> .....	Box .....	6,700	8,100	9,450	100,285	111,359	118,531
Tangelos <sup>9</sup> .....	Box .....	3,150	2,450	3,950	15,435	15,304	19,111
Temples <sup>9</sup> .....	Box .....	2,550	2,150	2,400	14,301	14,093	12,517
K-Early Citrus <sup>9</sup> .....	Box .....	120	160	150	538	784	669

See footnotes at end of table.

**Table 9-24.—Crops: Area, yield, production, and value, United States, 1995–97<sup>1</sup>—  
Continued**

Crop	Area harvested <sup>2</sup>			Unit	Yield per harvested acre <sup>3</sup>		
	1995	1996	1997 <sup>4</sup>		1995	1996	1997 <sup>4</sup>
	1,000 acres	1,000 acres	1,000 acres				
Almonds .....	400,000	405,000	420,000	Ton .....	0.76	1.02	1.44
Hazelnuts (filberts) ..	27,800	28,350	28,475	Ton .....	1.40	0.65	1.55
Macadamia nuts ..	19,300	19,200	19,200	Ton .....	1.32	1.47	1.51
Pecans .....	NA	NA	NA	Ton .....	NA	NA	NA
Pistachios .....	60,300	64,300	65,400	Ton .....	1.23	0.82	1.38
Walnuts .....	169,000	169,000	170,000	Ton .....	1.38	1.23	1.58
Coffee .....	5.4	5.3	5.6	Pound ...	1,000	1,210	1,610
Commercial Vegetables:							
Fresh Market							
Artichokes ....	8,900	8,900	9,100	Cwt .....	92	100	95
Asparagus <sup>10</sup> ..	72,340	73,560	73,540	Cwt .....	28	27	27
Beans, lima ..	5,500	4,700	5,000	Cwt .....	30	29	30
Beans, snap ..	88,700	78,560	80,060	Cwt .....	50	47	47
Broccoli <sup>10</sup> ....	129,400	131,500	134,200	Cwt .....	122	118	129
Brussel sprouts ..	3,400	3,800	4,200	Cwt .....	165	180	150
Cabbage .....	73,680	76,420	79,830	Cwt .....	312	321	343
Cantaloups ...	102,820	104,160	113,770	Cwt .....	187	212	207
Carrots <sup>10</sup> .....	81,120	92,160	97,460	Cwt .....	289	290	345
Cauliflower <sup>10</sup> ..	51,050	46,700	47,400	Cwt .....	128	142	137
Celery .....	28,050	26,950	26,930	Cwt .....	671	700	671
Corn, sweet ..	218,700	221,100	222,800	Cwt .....	98	103	101
Cucumbers ...	59,780	56,100	56,050	Cwt .....	169	175	195
Eggplant .....	3,300	2,500	2,600	Cwt .....	192	271	284
Escarole/endive ..	3,450	3,560	3,100	Cwt .....	154	172	179
Garlic .....	28,000	35,000	37,000	Cwt .....	165	175	150
Honeydew melons ..	26,000	27,300	29,400	Cwt .....	167	174	197
Lettuce, head ..	197,160	202,600	201,800	Cwt .....	316	325	340
Lettuce, leaf ..	39,070	41,280	42,330	Cwt .....	228	222	218
Lettuce, Romaine ..	30,540	32,970	33,550	Cwt .....	279	262	277
Onions .....	164,000	159,310	154,920	Cwt .....	391	385	412
Peppers, bell ..	67,600	68,500	65,650	Cwt .....	213	247	255
Spinach .....	16,250	16,000	15,100	Cwt .....	109	103	126
Tomatoes .....	132,820	124,640	125,370	Cwt .....	260	277	302
Watermelons ..	203,880	207,460	184,600	Cwt .....	198	213	221
Processing:							
Beans, lima ..	51,800	49,200	51,730	Ton .....	1.37	1.48	1.47
Beans, snap ..	213,040	204,050	195,480	Ton .....	3.26	3.79	3.75
Beets .....	10,550	10,210	7,460	Ton .....	14.22	12.33	16.38
Cabbage for sauerkraut ..	7,620	7,290	5,490	Ton .....	22.82	19.47	33.46
Carrots .....	27,900	24,820	22,200	Ton .....	20.99	22.83	24.84
Corn, sweet ..	483,910	474,200	464,220	Ton .....	6.87	6.95	7.16
Cucumbers for pickles ..	116,890	104,500	103,570	Ton .....	5.22	5.37	5.98
Peas, green ..	304,000	247,300	268,900	Ton .....	1.62	1.67	1.77
Spinach .....	21,410	21,110	19,440	Ton .....	7.28	7.86	7.56
Tomatoes .....	344,380	339,120	283,370	Ton .....	32.77	33.64	35.19

See footnotes at end of table.

**Table 9-24.—Crops: Area, yield, production, and value, United States, 1995–97<sup>1</sup>—  
Continued**

Crop	Production				Value of production		
	Unit	1995	1996	1997 <sup>4</sup>	1995	1996	1997 <sup>4</sup>
		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
Almonds .....	Ton .....	304.3	412.0	605.8	880,896	1,018,368	1,080,000
Hazelnuts (filberts) .....	Ton .....	39.0	18.5	44.1	35,611	15,900	39,433
Macadamia nuts .....	Ton .....	25.5	28.3	29.0	37,740	44,070	42,920
Pecans .....	Ton .....	134.0	110.8	136.1	271,818	141,119	257,043
Pistachios .....	Ton .....	74.0	52.5	90.0	161,320	121,800	203,400
Walnuts .....	Ton .....	234.0	208.0	269.0	327,600	326,560	NA
Coffee .....	Pound .....	5,400	6,400	9,000	16,200	20,800	29,250
Commercial Vegetables:							
Fresh Market							
Artichokes .....	Cwt .....	819	890	865	61,965	65,416	67,620
Asparagus <sup>10</sup> .....	Cwt .....	2,024	1,989	1,979	177,170	156,623	181,224
Beans, lima .....	Cwt .....	165	136	150	5,280	4,216	4,950
Beans, snap .....	Cwt .....	4,441	3,711	3,790	162,260	154,952	156,377
Broccoli <sup>10</sup> .....	Cwt .....	15,815	15,453	17,315	443,304	409,167	495,515
Brussel sprouts .....	Cwt .....	561	684	630	14,390	20,120	26,800
Cabbage .....	Cwt .....	22,994	24,531	27,395	260,644	244,814	279,291
Cantaloups .....	Cwt .....	19,278	22,119	23,556	350,698	400,795	417,859
Carrots <sup>10</sup> .....	Cwt .....	23,478	26,760	33,599	394,356	355,829	441,193
Cauliflower <sup>10</sup> .....	Cwt .....	6,528	6,644	6,483	216,548	213,983	197,956
Celery .....	Cwt .....	18,830	18,861	18,062	306,828	199,398	273,445
Corn, sweet .....	Cwt .....	21,399	22,717	22,587	389,288	384,445	398,279
Cucumbers .....	Cwt .....	10,079	9,845	10,957	166,333	186,325	185,194
Eggplant .....	Cwt .....	633	677	738	16,225	18,146	17,558
Escarole/endive .....	Cwt .....	532	612	556	14,642	13,377	13,123
Garlic .....	Cwt .....	4,620	6,125	5,550	140,700	196,333	261,519
Honeydew melons .....	Cwt .....	4,332	4,737	5,795	89,193	80,405	109,394
Lettuce, head .....	Cwt .....	62,349	65,852	68,542	1,463,348	970,798	1,187,830
Lettuce, leaf .....	Cwt .....	8,924	9,154	9,241	309,477	245,536	244,841
Lettuce, Romaine .....	Cwt .....	8,530	8,651	9,279	215,026	163,132	170,954
Onions .....	Cwt .....	64,182	61,369	63,883	633,692	581,571	648,437
Peppers, bell .....	Cwt .....	14,431	16,953	16,773	452,786	474,801	502,595
Spinach .....	Cwt .....	1,776	1,654	1,903	56,458	48,029	58,682
Tomatoes .....	Cwt .....	34,535	34,564	37,809	891,343	966,679	1,246,843
Watermelons .....	Cwt .....	40,444	44,135	40,734	357,062	275,684	309,230
Processing:							
Beans, lima .....	Ton .....	70,850	72,710	76,280	31,589	33,105	35,006
Beans, snap .....	Ton .....	695,450	773,560	733,000	120,992	138,103	129,753
Beets .....	Ton .....	150,000	125,870	122,180	8,814	8,092	8,136
Cabbage for sauerkraut .....	Ton .....	173,870	141,920	183,670	7,549	6,029	8,299
Carrots .....	Ton .....	585,550	566,580	551,450	46,443	38,098	37,447
Corn, sweet .....	Ton .....	3,324,150	3,296,330	3,323,540	251,156	258,840	247,839
Cucumbers for pickles .....	Ton .....	610,460	560,670	619,090	135,803	139,330	146,043
Peas, green .....	Ton .....	492,590	413,960	475,940	131,762	117,596	136,996
Spinach .....	Ton .....	155,820	165,850	146,940	15,970	17,105	15,729
Tomatoes .....	Ton .....	11,286,040	11,408,740	9,972,650	713,544	711,121	605,350

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

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

**Table 9-25.—Farm production and output: Index numbers of total output, and gross production of livestock and crops, by groups, United States, 1986–95**  
[1982=100]

Year	Livestock and products				
	Farm output	All livestock and products <sup>1</sup>	Meat animals <sup>2</sup>	Dairy products <sup>3</sup>	Poultry and eggs <sup>4</sup>
1986 .....	100	105	100	106	112
1987 .....	102	107	101	105	122
1988 .....	95	109	103	107	125
1989 .....	103	110	103	106	130
1990 .....	108	111	103	109	138
1991 .....	109	114	106	109	144
1992 .....	116	117	107	112	151
1993 .....	109	117	107	111	157
1994 .....	122	122	110	113	165
1995 <sup>11</sup> .....	.....	.....	.....	.....	.....

Year	Crops				
	All crops	Feed crops <sup>5</sup>	Food grains <sup>6</sup>	Oil crops <sup>7</sup>	Cotton and cotton seed
1986 .....	97	102	77	88	83
1987 .....	98	91	77	88	128
1988 .....	86	67	70	72	133
1989 .....	98	91	77	87	104
1990 .....	106	94	99	87	133
1991 .....	105	92	75	93	151
1992 .....	115	107	93	99	139
1993 .....	102	82	88	85	139
1994 .....	121	110	89	114	171
1995 <sup>11</sup> .....	.....	.....	.....	.....	.....

Year	Crops			
	Tobacco	Vegetables and melons <sup>8</sup>	Fruits and nuts <sup>9</sup>	Other crops <sup>10</sup>
1986 .....	58	110	95	122
1987 .....	61	120	108	134
1988 .....	69	109	116	141
1989 .....	71	114	111	145
1990 .....	83	125	110	154
1991 .....	85	130	109	156
1992 .....	88	134	114	163
1993 .....	83	128	122	161
1994 .....	80	143	125	171
1995 <sup>11</sup> .....	.....	.....	.....	.....

<sup>1</sup> 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. <sup>2</sup> Cattle and calves, sheep and lambs, and hogs. <sup>3</sup> Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. <sup>4</sup> Chicken eggs, commercial broilers, chickens, and turkeys. <sup>5</sup> Feed grains and forage crops. <sup>6</sup> All wheat, rye, and rice. <sup>7</sup> Soybeans, peanuts harvested for nuts, sunflower seed, and flaxseed. <sup>8</sup> Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market having value. <sup>9</sup> 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. <sup>10</sup> Includes sugar crops, floriculture and ornamentals, forest products, legums and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber. <sup>11</sup> Not available.

**Table 9-26.—Total farm input: Index numbers of farm input, by major subgroups, United States, 1986–95**  
[1982=100]

Year	Total input	Farm labor	Farm real estate	Durable equipment	Energy	Agricultural chemicals <sup>1</sup>	Feed, seed, and livestock purchases <sup>2</sup>	Other purchased inputs <sup>3</sup>
1986 .....	90	84	95	80	84	110	94	85
1987 .....	88	84	91	74	93	101	91	92
1988 .....	88	86	91	70	93	92	90	94
1989 .....	87	87	93	67	92	96	86	98
1990 .....	89	85	92	65	92	99	93	99
1991 .....	90	88	91	63	92	104	93	101
1992 .....	88	83	91	61	92	104	94	99
1993 .....	89	80	89	60	92	109	95	106
1994 .....	89	80	90	58	95	111	96	111
1995 <sup>4</sup> .....								

<sup>1</sup> Includes fertilizer, lime, and pesticides. <sup>2</sup> Includes broiler- and egg-type chicks and turkey poults and imports of livestock for purposes other than immediate slaughter. <sup>3</sup> Includes purchased services and miscellaneous inputs. <sup>4</sup> Not available.

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

**Table 9-27.—Livestock and livestock products: Production and value, United States, 1994–96**

Product	Production <sup>1</sup>			Value of production		
	1994	1995	1996 <sup>2</sup>	1994	1995	1996 <sup>2</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle and calves .....	42,095,787	42,713,767	41,304,921	26,861,431	24,830,132	22,259,418
Sheep and lambs .....	630,033	599,392	560,162	360,279	409,900	431,023
Hogs .....	24,436,502	24,425,501	23,263,037	9,692,390	9,829,188	11,997,453
Chickens <sup>3</sup> .....	33,550,990	34,222,000	37,178,450	11,449,219	11,762,222	14,176,055
Turkeys .....	6,540,877	6,779,277	7,171,527	2,643,765	2,776,372	3,102,093
Milk .....	153,664,000	155,425,000	154,331,000	20,161,937	20,098,996	23,057,197
Wool (shorn) .....	68,577	63,513	56,669	52,377	64,277	39,659
Mohair <sup>4</sup> .....	11,680	12,019	8,045	30,602	22,089	15,486
	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>			
Eggs .....	73,911	74,591	76,148	3,780,377	3,879,609	4,756,582

<sup>1</sup> 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. <sup>2</sup> Preliminary. <sup>3</sup> Including commercial broiler production. Pounds sold replace production of chickens. <sup>4</sup> AZ, NM, OK, and TX.

NASS, Livestock and Economic Branch, (202) 720-6146.

**Table 9-28.—Agricultural productivity: Index numbers (1982=100) of farm output per unit of input, United States, 1986–95**

Year	Productivity <sup>1</sup>	Year	Productivity <sup>1</sup>
1986 .....	111	1991 .....	121
1987 .....	115	1992 .....	131
1988 .....	109	1993 .....	123
1989 .....	118	1994 .....	136
1990 .....	122	1995 <sup>2</sup> .....	

<sup>1</sup> Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 9-23 by the index of total input in table 9-24. <sup>2</sup> Not available.

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



**Table 9-29.—U.S. farm foods: Marketing bill, farm value, and consumer expenditures, 1987–96<sup>1</sup>**

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>
1987 .....	285.1	90.4	375.5	1992 .....	369.4	105.1	474.5
1988 .....	301.9	96.8	398.8	1993 .....	379.6	109.6	489.2
1989 .....	315.6	103.8	419.4	1994 .....	402.6	109.6	512.2
1990 .....	343.6	106.2	449.8	1995 .....	415.7	113.8	529.5
1991 .....	363.5	101.6	465.1	1996 <sup>2</sup> .....	423.7	122.8	546.5

<sup>1</sup> 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. <sup>2</sup> Preliminary.  
ERS, Food Markets Branch, (202) 694-5375.

**Table 9-30.—Farm food products: Marketing costs, United States, 1987–96**

Year	Labor <sup>1</sup>	Packaging materials	Intercity transportation, rail and truck	Fuels and electricity	Corporate profits before taxes	Other <sup>2</sup>	Total marketing bill <sup>3</sup>
	<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>
1987 .....	130.0	29.9	17.2	13.6	11.1	83.3	285.1
1988 .....	137.9	32.6	17.8	14.1	12.0	87.5	301.9
1989 .....	145.1	35.2	18.6	14.8	12.9	89.0	315.6
1990 .....	154.0	36.5	19.8	15.2	13.2	104.9	343.6
1991 .....	160.9	38.1	20.4	16.3	15.2	112.6	363.5
1992 .....	168.4	40.1	20.6	16.7	15.7	107.9	369.4
1993 .....	178.0	40.9	21.2	17.2	18.4	104.2	379.6
1994 .....	186.1	43.3	21.8	17.9	20.5	113.0	402.6
1995 .....	196.6	47.8	22.3	18.6	22.8	107.6	415.7
1996 <sup>4</sup> .....	206.3	46.9	22.9	19.3	24.0	104.3	423.7

<sup>1</sup> 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. <sup>2</sup> 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. <sup>3</sup> 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. <sup>4</sup> Preliminary.  
ERS, Food Markets Branch, (202) 694-5375.

**Table 9-31.—Price components: Market basket of farm-originated food products by food group, United States, 1987–96<sup>1</sup>**

Year	Market basket of food products				Bakery and cereal products			
	Retail cost <sup>2</sup>	Farm value <sup>3</sup>	Farm to retail spread <sup>4</sup>	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>
1987 .....	112	97	120	30	115	71	121	8
1988 .....	116	100	125	30	122	93	126	9
1989 .....	125	107	134	30	132	102	137	9
1990 .....	134	113	145	30	140	91	147	8
1991 .....	137	106	154	27	146	85	154	7
1992 .....	138	103	157	26	152	94	160	8
1993 .....	142	105	162	26	157	92	166	7
1994 .....	145	101	169	24	164	103	171	8
1995 .....	149	103	175	24	168	110	176	8
1996 <sup>5</sup> .....	156	111	180	25	174	126	181	7

  

	Meat products				Fruits and vegetables, fresh			
	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>
1987 .....	110	101	118	47	129	112	137	29
1988 .....	112	100	125	45	137	112	150	27
1989 .....	117	104	130	45	149	116	165	26
1990 .....	129	117	140	46	163	126	181	26
1991 .....	133	110	156	42	177	142	195	26
1992 .....	131	105	158	41	174	122	199	23
1993 .....	135	107	163	40	182	131	207	24
1994 .....	135	96	176	36	191	119	225	21
1995 .....	136	94	178	35	210	133	248	21
1996 <sup>5</sup> .....	140	100	181	36	216	133	257	20

  

	Dairy products				Fats and oils			
	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Index 1982–84=100</i>	<i>Percent</i>
1987 .....	106	93	118	42	108	74	120	18
1988 .....	108	91	125	40	113	103	117	24
1989 .....	116	99	131	41	121	96	131	21
1990 .....	127	102	150	39	126	107	133	23
1991 .....	125	90	157	35	132	98	144	20
1992 .....	129	96	159	36	130	93	143	19
1993 .....	129	93	163	35	130	108	138	22
1994 .....	132	94	166	34	134	126	137	25
1995 .....	133	92	170	33	138	121	143	24
1996 <sup>5</sup> .....	142	107	174	36	144	122	152	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>
1987 .....	113	94	134	45	109	111	108	24
1988 .....	121	110	133	49	118	137	112	28
1989 .....	133	117	151	47	125	132	123	25
1990 .....	133	108	161	44	133	144	129	26
1991 .....	132	103	165	42	130	122	133	22
1992 .....	131	104	163	42	134	129	135	23
1993 .....	137	112	166	44	132	107	139	19
1994 .....	142	115	173	43	135	113	141	20
1995 .....	144	114	178	42	138	121	143	21
1996 <sup>5</sup> .....	152	126	183	44	144	122	152	22

<sup>1</sup>The market basket consists of foods that mainly originate on U.S. farms bought in foodstores in a base period, currently 1982–84. <sup>2</sup>Indexes of retail cost are components of the Consumer Price Index published by the Bureau of Labor Statistics. <sup>3</sup>Gross return or payment to farmers for the farm products equivalent to foods in the market basket. <sup>4</sup>The 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. <sup>5</sup>Preliminary.

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

**Table 9-32.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1995 and 1996**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	1995 <sup>2</sup>	1996 <sup>2</sup>	1995	1996	
	Dollars	Dollars	Dollars	Dollars	
<b>Basic commodities:</b>					
Cotton:					
American Upland .....	pound	0.754	0.706	1.58	1.66
Extra long staple .....	pound	1.228	1.022	2.05	2.21
Wheat .....	bushel	4.55	4.30	8.54	8.98
Rice .....	cwt	9.15	9.50	23.90	24.70
Corn .....	bushel	3.24	2.70	5.78	5.97
Peanuts .....	pound	0.293	0.265	0.613	0.645
Tobacco:					
Flue-cured, types 11-14 .....	pound	1.790	1.834	3.52	3.65
Va., fire-cured, type 21 .....	pound	1.640	1.790	3.16	3.34
Ky.-Tenn., fire-cured, types 22-23 .....	pound	2.172	2.245	4.08	4.33
Burley, type 31 .....	pound	1.854	1.922	3.60	3.78
Maryland, type 32 <sup>4</sup> .....	pound	1.573	1.856	3.03	3.17
Dark air-cured, types 35-36 .....	pound	1.762	1.953	3.38	3.59
Sun-cured, type 37 .....	pound	1.555	1.782	2.77	2.99
Pa., seedleaf, type 41 .....	pound	1.450	1.550	2.21	2.34
Cigar binder type 51 .....	pound	3.890	6.280	4.81	5.42
Puerto Rican filler, type 46 .....	pound	.....	.....	2.42	2.51
Cigar filler types 54-55 .....	pound	1.450	1.486	2.77	2.88
Designated nonbasic commodities:					
All milk, sold to plants .....	cwt	12.78	14.75	27.10	27.90
Fluid market .....	cwt	12.80	14.79	.....	.....
Manufacturing grade .....	cwt	11.79	13.43	.....	.....
Honey, all .....	pound	0.685	0.894	1.17	1.18
Wool and mohair:					
Wool <sup>5</sup> .....	pound	1.04	0.70	3.87	4.10
Mohair <sup>6</sup> .....	pound	1.84	1.92	10.00	10.30
Other nonbasic commodities:					
Field crops and miscellaneous:					
Barley .....	bushel	2.89	2.74	5.17	5.42
Beans, dry edible .....	cwt	20.80	24.20	45.30	47.40
Cottonseed .....	ton	106.00	130.00	203.00	216.00
Crude pine gum .....	barrel	.....	.....	194.00	202.00
Flaxseed .....	bushel	5.19	6.25	10.60	10.80
Hay, all, baled .....	ton	82.20	93.00	162.00	170.00
Hops .....	pound	1.71	1.65	3.52	3.56
Oats .....	bushel	1.67	1.96	3.21	3.33
Peas, dry edible .....	cwt	9.51	11.20	.....	.....
Peppermint oil .....	pounds	13.80	13.60	27.50	29.10
Popcorn, shelled basis .....	cwt	.....	.....	25.30	26.30
Potatoes .....	cwt	6.77	4.93	11.60	12.60
Rye .....	bushel	2.90	3.70	3.83	4.08
Sorghum grain .....	cwt	5.69	4.20	8.93	9.33
Soybeans .....	bushel	6.72	6.85	12.40	12.90
Spearmint oil .....	pound	12.30	12.20	27.10	28.20
Sweetpotatoes .....	cwt	15.90	14.40	19.00	19.60
Tobacco:					
Cigar wrapper, type 61 .....	pound	.....	.....	37.00	39.40
Fruits:					
Citrus (equiv. on-tree): <sup>7</sup>					
Grapefruit .....	box	2.43	1.74	9.96	9.75
Lemons .....	box	5.99	9.37	16.30	17.90
Limes, Florida .....	box	8.05	5.01	20.40	20.50
Oranges .....	box	5.01	4.57	12.40	12.00
Tangelos, Florida .....	box	4.01	2.54	.....	.....
Tangerines .....	box	11.18	9.28	27.40	28.20
Temples, Florida .....	box	4.42	3.06	10.30	9.79
Deciduous and other:					
Apples:					
For all sales .....	pound	0.170	0.162	.....	.....
For fresh consumption <sup>8</sup> .....	pound	0.240	0.209	0.387	0.416
For processing <sup>9</sup> .....	ton	159.00	176.00	253.00	262.00
Apricots:					
For all sales .....	ton	459.00	466.00	.....	.....
For fresh consumption <sup>10</sup> .....	ton	900.00	1,180.00	2,220.00	2,340.00
Dried, California (dried basis) <sup>9</sup> .....	ton	321.00	325.00	4,230.00	4,500.00
For processing (except dried) <sup>9</sup> .....	ton	287.00	316.00	584.00	620.00
Avocados <sup>10</sup> .....	ton	1,290.00	1,090.00	2,120.00	2,480.00

See footnotes at end of table.

**Table 9-32.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1995 and 1996—Continued**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	1995 <sup>2</sup>	1996 <sup>2</sup>	1995	1996	
	Dollars <sup>7</sup>	Dollars	Dollars	Dollars	
Deciduous and other—Con.					
Berries for processing:					
Blackberries (Oregon) .....	pound	0.556	0.886	0.866	0.901
Boysenberries (California & Oregon) .....	pound	0.830	1.01	1.230	1.280
Gooseberries .....	pound	.....	.....	0.521	0.542
Loganberries (Oregon) .....	pound	0.845	0.988	0.842	0.876
Raspberries, black (Oregon) .....	pound	0.608	1.67	1.480	1.540
Raspberries, red (Oregon & Washington) .....	pound	0.696	0.772	1.180	1.230
Cherries:					
Sweet .....	ton...	1,260.00	1,470.00	1,890.00	2,030.00
Tart .....	pound...	0.059	0.157	0.429	0.427
Cranberries <sup>11</sup> .....	barrel...	53.40	62.50	99.20	103.00
Dates, California <sup>10</sup> .....	ton...	780.00	710.00	2,010.00	1,990.00
Figs, California .....	ton...	313.00	295.00	.....	.....
Grapes:					
For all sales .....	ton...	346.00	423.00	.....	.....
Raisin varieties dried, California (dried basis) <sup>9</sup> .....	ton...	980.00	970.00	1,820.00	1,960.00
Nectarines (California):					
For all sales .....	ton...	534.00	473.00	.....	.....
For fresh consumption <sup>19</sup> .....	ton...	.....	.....	827.00	905.00
For processing <sup>19</sup> .....	ton...	.....	.....	.....	.....
Olives (California): <sup>12</sup>					
For all sales .....	ton...	646.00	618.00	.....	.....
Crushed for oil .....	ton...	11.00	11.00	26.70	28.60
For all sales (except crushed) .....	ton...	.....	.....	1,150.00	1,200.00
For canning .....	ton...	779.00	745.00	1,320.00	1,380.00
Peaches:					
For all sales .....	pound...	0.185	0.189	.....	.....
For fresh consumption <sup>9</sup> .....	pound...	0.260	0.333	0.574	0.590
Dried, California (dried basis) <sup>9</sup> .....	ton...	894.00	726.00	1,900.00	1,990.00
For processing California (except dried):					
Clingstone <sup>12</sup> .....	ton...	213.00	219.00	426.00	446.00
Freestone <sup>9</sup> .....	ton...	187.00	181.00	377.00	395.00
Pears:					
For all sales .....	ton...	272.00	375.00	.....	.....
For fresh consumption <sup>9</sup> .....	ton...	343.00	494.00	692.00	725.00
Dried, California (dried basis) <sup>9</sup> .....	ton...	919.00	1,290.00	1,860.00	1,930.00
For processing (except dried) <sup>9</sup> .....	ton...	177.00	223.00	422.00	429.00
Plums (California):					
For all sales <sup>10</sup> .....	ton...	950.00	420.00	.....	.....
For fresh consumption <sup>19</sup> .....	ton...	.....	.....	726.00	846.00
For processing <sup>19</sup> .....	ton...	.....	.....	47.60	47.20
Prunes, dried (California) <sup>9</sup> .....	ton...	1,040.00	900.00	1,800.00	1,930.00
Prunes and plums (excl. California):					
For fresh consumption <sup>13</sup> .....	ton...	441.00	576.00	784.00	812.00
For processing (except dried) <sup>9</sup> .....	ton...	145.00	266.00	267.00	275.00
Strawberries:					
For fresh consumption <sup>14</sup> .....	pound...	0.605	0.565	1.19	1.25
For processing <sup>9</sup> .....	pound...	0.263	0.204	0.566	0.597
Sugar crops:					
Maple sirup .....	gallon...	26.20	26.90	.....	.....
Sugarbeets .....	ton...	38.10	43.90	82.10	86.50
Sugarcane for sugar .....	ton...	29.50	28.20	60.80	63.20
Tree nuts: <sup>15</sup>					
Almonds .....	pound...	2.48	2.06	2.60	3.08
Hazelnuts .....	ton...	913.00	859.00	1,610.00	1,700.00
Pecans, all .....	pound...	1.01	0.637	3,600.00	3,860.00
Improved .....	pound...	1.12	0.686	.....	.....
Seedling .....	pound...	0.725	0.464	.....	.....
Walnuts .....	ton...	1,400.00	1,550.00	2,240.00	2,380.00

See footnotes at end of table.

**Table 9-32.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 1995 and 1996—Continued**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	1995 <sup>2</sup>	1996 <sup>2</sup>	1995	1996	
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	
<b>Vegetables for fresh market:<sup>14</sup></b>					
Artichokes, California .....	cwt...	75.70	73.50	63.60	66.10
Asparagus .....	cwt...	113.00	92.90	168.00	180.00
Broccoli .....	cwt...	29.30	28.50	50.00	52.60
Cabbage .....	cwt...	11.50	10.30	19.30	20.10
Cantaloups .....	cwt...	18.20	18.10	29.80	30.90
Carrots <sup>15</sup> .....	cwt...	16.80	12.80	21.20	24.30
Cauliflower <sup>16</sup> .....	cwt...	33.20	33.00	56.30	59.70
Celery <sup>16</sup> .....	cwt...	16.30	10.50	25.10	27.50
Cucumbers .....	cwt...	16.50	19.00	31.90	33.10
Eggplant .....	cwt...	25.60	26.60	33.70	35.00
Escarole/Endive .....	cwt...	27.50	23.10	43.30	45.00
Garlic, California .....	cwt...	30.50	26.80	40.90	42.60
Green peppers <sup>16</sup> .....	cwt...	31.40	27.90	50.30	52.30
Honeydew melons .....	cwt...	20.60	17.10	31.70	34.60
Lettuce .....	cwt...	23.50	14.80	27.20	31.10
Onions <sup>16</sup> .....	cwt...	9.87	9.58	24.70	26.20
Snap beans .....	cwt...	36.50	42.10	63.00	65.50
Spinach .....	cwt...	32.10	29.90	55.20	57.40
Sweet corn .....	cwt...	18.20	16.60	32.40	34.60
Tomatoes .....	cwt...	25.80	28.50	61.20	63.60
Watermelons .....	cwt...	8.83	6.25	11.80	12.30
<b>Vegetables for processing:<sup>9</sup></b>					
Asparagus .....	ton...	1,150.00	1,210.00	2,050.00	2,210.00
Beets .....	ton...	58.80	64.30	109.00	113.00
Cabbage .....	ton...	43.40	42.50	84.00	87.30
Cucumbers .....	ton...	222.00	248.00	.....	.....
Green peas .....	ton...	267.00	284.00	513.00	530.00
Lima beans .....	ton...	446.00	448.00	936.00	974.00
Snap beans .....	ton...	174.00	177.00	362.00	373.00
Spinach .....	ton...	102.00	103.00	203.00	211.00
Sweet corn .....	ton...	75.60	78.50	139.00	145.00
Tomatoes .....	ton...	63.20	63.50	134.00	137.00
<b>Livestock and livestock products:</b>					
All beef cattle .....	cwt...	61.80	58.70	141.00	147.00
Cows .....	cwt...	35.70	30.50	.....	.....
Steers and heifers .....	cwt...	65.10	62.50	.....	.....
Calves .....	cwt...	73.10	58.40	180.00	189.00
Beeswax .....	pound.....	.....	.....	4.07	4.23
<b>Chickens:</b>					
Excluding broilers, live .....	pound...	0.065	0.066	.....	.....
Broilers, live .....	pound...	0.344	0.381	.....	.....
All Eggs .....	dozen...	0.624	0.750	1.30	1.35
Hogs .....	cwt...	40.50	51.90	97.40	100.00
Lambs .....	cwt...	78.20	88.20	142.00	148.00
Milk cows <sup>17</sup> .....	head...	1,130.00	1,090.00	.....	.....
Milk, retail <sup>18</sup> .....	quart...	0.647	0.785	.....	.....
Sheep .....	cwt...	28.00	29.90	56.60	59.40
Turkeys, live .....	pound...	0.410	0.433	0.838	0.851

<sup>1</sup>Marketing 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. <sup>2</sup>Preliminary. <sup>3</sup>Parity prices are for January of the year shown as published in the January issue of Agricultural Prices. <sup>4</sup>Previous year. <sup>5</sup>Average local market price for wool sold excluding incentive payment. <sup>6</sup>Average local market price for mohair sold excluding incentive payment. Texas only prior to 1988. <sup>7</sup>Crop 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 1994 relate to the citrus crop designated as 1994-95 in the production reports. <sup>8</sup>Equivalent packinghouse-door returns for California, Oregon (pears only), Washington, and New York (apples only), and prices as sold for other States. <sup>9</sup>Equivalent returns at processing plant-door. <sup>10</sup>Equivalent returns at packinghouse-door. <sup>11</sup>Weighted 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. <sup>12</sup>Equivalent per unit returns for bulk fruit at first delivery point. <sup>13</sup>Average price as sold. <sup>14</sup>FOB shipping point when available. Weighted average of prices at points of first sale when FOB shipping point price not available. <sup>15</sup>Prices are in-shell basis except almonds which are shelled basis. <sup>16</sup>Includes some processing. <sup>17</sup>Simple average of States weighted by estimated Jan. 1 head for U.S. average. <sup>18</sup>Sold by farmers directly to consumers. <sup>19</sup>Prices for fresh and processing breakdown no longer published to avoid disclosure of individual operations.

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**Table 9-33.—Producer prices: Index numbers, by groups of commodities, United States, 1988–97**  
[1982=100]

Year	Total finished goods	Consumer foods	Finished goods <sup>1</sup>	Total consumer goods	Total intermediate materials	Total crude materials
1988 .....	108.0	112.6	103.1	106.2	107.1	96.0
1989 .....	113.6	118.7	108.9	112.1	112.0	103.1
1990 .....	119.2	124.4	115.3	118.2	114.5	108.9
1991 .....	121.7	124.1	118.7	120.5	114.4	101.2
1992 .....	123.2	123.3	120.8	121.7	114.7	100.4
1993 .....	124.7	125.7	121.7	123.0	116.2	102.4
1994 .....	125.5	126.8	121.6	123.3	118.5	101.8
1995 .....	127.9	129.0	124.0	125.6	124.9	102.7
1996 .....	131.3	133.6	127.6	129.5	125.7	113.8
1997 <sup>2</sup> .....	131.8	134.5	128.2	130.2	125.6	110.9

<sup>1</sup> Excluding consumer foods.    <sup>2</sup> Preliminary.

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

**Table 9-34.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1987–96<sup>1</sup>**  
[1910–14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit & nuts <sup>2</sup>	Commercial vegetables	Other crops
1987 .....	264	257	504	1,247	492	647	698	464
1988 .....	359	364	486	1,295	689	668	695	474
1989 .....	402	390	503	1,461	646	692	690	488
1990 .....	317	376	548	1,474	575	676	684	499
1991 .....	299	360	554	1,547	542	782	665	478
1992 .....	358	352	450	1,526	544	689	745	502
1993 .....	332	354	455	1,521	590	646	774	510
1994 .....	377	381	559	1,532	600	629	727	517
1995 .....	426	400	653	1,559	568	694	805	525
1996 <sup>4</sup> .....	498	522	626	1,592	698	823	743	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 <sup>3</sup>
1987 .....	450	426	912	768	245	697	563	49
1988 .....	445	516	927	750	276	713	627	53
1989 .....	662	537	960	833	313	764	659	53
1990 .....	674	507	1,068	841	294	804	660	51
1991 .....	501	496	1,025	752	280	757	632	48
1992 .....	444	498	971	805	272	743	626	47
1993 .....	539	504	1,011	787	295	768	643	47
1994 .....	556	520	910	797	298	727	634	45
1995 .....	541	554	868	783	300	706	647	45
1996 <sup>4</sup> .....	576	623	882	914	337	761	712	47

<sup>1</sup> 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.    <sup>2</sup> Fresh market for noncitrus, and fresh market and processing for citrus.

<sup>3</sup> Ratio of Index of Prices Received to the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Farm Wage Rates.    <sup>4</sup> Preliminary.

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

**Table 9-35.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1987–96<sup>1</sup>**  
(1990–92=100)

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit & Nuts <sup>2</sup>	Commercial vegetables	Other Crops
1987 .....	83	72	98	83	90	93	105	94
1988 .....	113	102	95	86	126	96	104	96
1989 .....	127	109	98	96	118	99	103	99
1990 .....	100	105	107	97	105	97	102	101
1991 .....	94	101	108	102	99	112	100	97
1992 .....	113	98	88	101	100	99	111	102
1993 .....	105	99	89	101	108	93	116	103
1994 .....	119	106	109	101	110	90	109	105
1995 .....	134	112	127	103	104	99	120	106
1996 <sup>4</sup> .....	157	146	122	105	128	118	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 <sup>3</sup>
1987 .....	89	86	90	96	87	91	89	102
1988 .....	88	104	91	93	98	93	99	108
1989 .....	131	109	94	104	111	100	104	108
1990 .....	133	103	105	105	105	105	104	105
1991 .....	99	101	101	94	99	99	100	99
1992 .....	88	101	96	100	97	97	98	97
1993 .....	107	102	100	98	105	100	101	97
1994 .....	110	105	90	99	106	95	100	94
1995 .....	107	112	85	98	107	92	102	93
1996 <sup>4</sup> .....	114	126	87	114	120	99	112	98

<sup>1</sup>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. <sup>2</sup>Fresh market for noncitrus, and fresh market and processing for citrus. <sup>3</sup>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). <sup>4</sup>Preliminary.

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**Table 9-36.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1987–96**  
(1990–92=100)

Production indexes									
Year	Production (all commodities)	Feed	Livestock & Poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and Repairs	Autos and trucks
1987 .....	87	83	85	93	86	87	76	88	88
1988 .....	90	104	91	94	94	89	77	90	90
1989 .....	95	110	93	104	99	93	83	94	93
1990 .....	99	103	102	102	97	95	100	96	97
1991 .....	100	98	102	99	103	101	104	100	100
1992 .....	101	99	96	99	100	103	96	104	102
1993 .....	103	101	104	101	96	109	93	107	105
1994 .....	106	105	94	108	105	112	95	109	107
1995 .....	109	104	82	110	120	115	94	112	107
1996 .....	115	130	75	115	124	119	105	115	108

Production indexes				Interest	Taxes	Wage rates <sup>1</sup>	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates <sup>2</sup>
Year	Farm machinery	Building Materials	Farm services and Rent					
1987 .....	85	93	84	96	87	85	87	87
1988 .....	89	94	85	100	89	87	92	91
1989 .....	94	96	91	106	91	95	97	96
1990 .....	96	99	96	107	95	96	99	99
1991 .....	100	100	99	100	101	100	100	100
1992 .....	104	101	104	93	104	105	101	101
1993 .....	107	106	105	87	108	107	102	104
1994 .....	113	110	110	94	106	110	105	106
1995 .....	121	114	117	101	109	114	109	110
1996 .....	125	115	118	105	112	117	114	115

<sup>1</sup> Simple average of seasonally adjusted quarterly indexes. <sup>2</sup> Family Living component included.  
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**Table 9-37.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1987–96**  
[1910–14=100]

Year	Family living (all commodities) <sup>1</sup>	Production indexes							
		Production (all commodities)	Feed	Livestock and poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and repairs
1987 .....	1,072	844	408	1,093	922	314	538	586	626
1988 .....	1,117	874	506	1,167	931	346	549	596	636
1989 .....	1,169	922	539	1,184	1,027	363	573	643	665
1990 .....	1,229	958	501	1,303	1,012	356	590	772	684
1991 .....	1,287	972	480	1,308	983	376	624	802	713
1992 .....	1,327	979	485	1,223	976	366	637	740	736
1993 .....	1,369	1,004	495	1,327	1,002	352	672	717	760
1994 .....	1,403	1,030	511	1,208	1,072	384	693	736	775
1995 .....	1,446	1,057	510	1,051	1,089	441	710	723	797
1996 .....	1,490	1,113	635	964	1,143	454	735	810	816

  

Year	Production indexes—Continued				Interest	Taxes	Wage rates	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates <sup>2</sup>
	Autos and trucks	Farm machinery	Building materials	Farm services and cash rent					
1987 .....	2,328	2,131	1,261	1,007	2,399	2,326	3,174	1,174	1,139
1988 .....	2,385	2,227	1,280	1,015	2,518	2,375	3,267	1,230	1,191
1989 .....	2,477	2,360	1,306	1,088	2,645	2,442	3,538	1,299	1,255
1990 .....	2,585	2,412	1,339	1,142	2,685	2,543	3,583	1,332	1,293
1991 .....	2,647	2,510	1,358	1,176	2,516	2,707	3,757	1,347	1,316
1992 .....	2,723	2,599	1,377	1,237	2,321	2,789	3,930	1,353	1,329
1993 .....	2,790	2,689	1,436	1,259	2,190	2,886	4,050	1,371	1,361
1994 .....	2,848	2,836	1,486	1,317	2,357	2,828	4,117	1,413	1,397
1995 .....	2,833	3,022	1,552	1,396	2,523	2,914	4,277	1,459	1,437
1996 .....	2,869	3,138	1,569	1,410	2,643	3,001	4,388	1,535	1,504

<sup>1</sup>Based on Consumer Price Index-Urban of Bureau of Labor Statistics. <sup>2</sup>The 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.

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**Table 9-38.—Prices paid by farmers: Prices, by commodities, United States, 1992–96<sup>1 2</sup>**

Commodity and unit	1992	1993	1994	1995 <sup>3</sup>	1996 <sup>3</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Fuels and energy:</b>					
Fuel, per gallon:					
Diesel fuel .....	.816	.820	.785	.766	.920
Gasoline, service station, unleaded .....	1.13	1.11	1.08	1.12	1.22
Gasoline, bulk delivery, unleaded regular .....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	1.11	1.26
L. P. gas, bulk delivery .....	.721	.777	.723	.734	.804
<b>Farm machinery:</b>					
<b>Tractors:</b>					
2-wheel, 30–39 P.T.O. or belt horse-power .....	13,700.00	14,200.00	14,200.00	14,400.00	15,000.00
2-wheel, 50–59 P.T.O. or belt horse-power .....	18,800.00	19,200.00	19,600.00	20,100.00	20,600.00
2-wheel, 110–129 P.T.O. or belt horse-power .....	49,200.00	51,700.00	52,200.00	54,000.00	55,400.00
4-wheel, 200–280 P.T.O. or belt horse-power .....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	98,700.00	100,000.00
Disk harrows, tandem, 16-ft., each .....	9,410.00	9,510.00	10,250.00	10,400.00	10,900.00
Disk harrows, tandem, 19-ft., each .....	12,800.00	13,300.00	14,000.00	14,600.00	15,700.00
Grain drills, drawn, 16-tube, plain, each ...	6,900.00	7,190.00	7,620.00	8,830.00	8,640.00
Mowers, tractor, 7-ft., each .....	3,320.00	3,450.00	3,600.00	3,990.00	3,940.00
Pick-up balers, automatic tie, P.T.O., each <sup>3</sup> .....	11,900.00	12,200.00	12,600.00	13,300.00	13,800.00
<b>Combines, self-propelled:</b>					
Medium capacity, each .....	88,000.00	92,400.00	98,900.00	108,000.00	117,000.00
Large capacity, each .....	110,000.00	116,000.00	124,300.00	130,000.00	137,000.00
Corn picker-huskers, 2-row, each .....	12,100.00	12,000.00	12,500.00	( <sup>5</sup> )	( <sup>5</sup> )
Planters, 4-row with fertilizer attachments	11,800.00	11,900.00	12,000.00	12,400.00	13,700.00
Power sprayers, boom type, tractor. mtd., each .....	2,970.00	3,230.00	3,440.00	3,820.00	3,880.00
Farm wagons, without box and tires, each	1,330.00	1,340.00	1,440.00	1,610.00	1,620.00
<b>Fertilizer:</b>					
<b>Mixed fertilizer:</b>					
0–20–20, per ton .....	172.00	168.00	171.00	184.00	194.00
5–10–10, per ton .....	144.00	141.00	139.00	150.00	155.00
5–10–15, per ton .....	147.00	148.00	154.00	159.00	171.00
5–20–20, per ton .....	169.00	158.00	163.00	179.00	196.00
6–24–24, per ton .....	198.00	188.00	196.00	219.00	232.00
10–10–10, per ton .....	161.00	156.00	158.00	172.00	176.00
16–20–0, ammonium phosphate, per ton .....	219.00	213.00	220.00	242.00	259.00
18–46–0, diammonium phosphate, per ton .....	220.00	199.00	217.00	263.00	294.00
Nitrate of soda, per ton .....	234.00	239.00	241.00	248.00	256.00
Sulphate of ammonia, per ton .....	152.00	157.00	167.00	182.00	184.00
Ammonium nitrate, per ton .....	180.00	184.00	194.00	223.00	233.00
Superphosphate, 44–46% P <sub>2</sub> O <sub>5</sub> , per ton ..	204.00	191.00	207.00	234.00	258.00
Muriate of potash, 60% K <sub>2</sub> O, per ton .....	148.00	145.00	145.00	155.00	153.00
Agricultural limestone, spread on field, per ton .....	17.60	17.80	17.70	17.90	17.50

See footnotes at end of table.

**Table 9-38.—Prices paid by farmers: Prices, by commodities, United States, 1992–96<sup>1 2</sup>**  
—Continued

Commodity and unit	1992	1993	1994	1995 <sup>3</sup>	1996 <sup>3</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Livestock:<sup>3</sup></b>					
<b>Feeders and stockers:</b>					
Cattle and calves, per 100 pounds .....	82.30	89.00	80.40	67.70	59.40
Pigs (40–60 lbs. av.), per 100 pounds .....	66.80	66.60	66.90	64.00	77.10
Broiler chicks, per 100 .....	18.30	18.60	19.30	18.60	18.60
Egg-type chicks, per 100 .....	54.70	53.80	49.70	49.80	50.20
Turkey poults, each .....	1.02	1.05	1.06	1.06	1.10
<b>Feed:</b>					
Cottonseed meal, 41% protein, per 100 pounds .....	14.00	14.90	15.30	14.20	16.80
Soybean meal, 44% protein, per 100 pounds ....	13.00	13.70	13.90	12.40	15.60
Bran, per 100 pounds .....	10.80	11.00	11.20	11.20	13.00
Cornmeal, per 100 pounds .....	7.49	7.22	7.96	7.86	10.60
Laying feed, per ton <sup>6</sup> .....	200.00	202.00	210.00	195.00	258.00
Broiler grower, per ton <sup>6</sup> .....	208.00	209.00	214.00	195.00	265.00
Chick starter, per ton <sup>6</sup> .....	228.00	226.00	231.00	212.00	280.00
<b>Dairy feed:</b>					
14 percent protein, per ton <sup>6</sup> .....	168.00	168.00	170.00	162.00	216.00
16 percent protein, per ton <sup>6</sup> .....	178.00	180.00	184.00	174.00	225.00
18 percent protein, per ton <sup>6</sup> .....	189.00	187.00	193.00	183.00	238.00
20 percent protein, per ton <sup>6</sup> .....	190.00	189.00	196.00	186.00	239.00
32 percent protein, concentrate, per ton .....	282.00	294.00	301.00	276.00	333.00
Stock salt, per 50 pounds .....	3.61	3.56	3.72	3.76	3.82
<b>Seeds:</b>					
Barley, per bushel .....	4.96	5.03	5.14	5.37	6.49
Corn, hybrid, 80,000 kernels .....	71.40	72.50	73.20	77.10	77.70
Oats, per bushel .....	4.12	4.71	4.73	4.51	5.19
Potatoes, per 100 pounds .....	7.64	8.19	9.80	7.90	10.30
Soybeans, per bushel .....	12.50	12.40	13.30	13.40	14.80
Wheat, per bushel .....	5.73	6.00	7.02	7.80	8.50
Grain sorghum, hybrid, per 100 pounds .....	72.00	74.00	80.20	76.70	84.00
Alfalfa, uncertified, per 100 pounds .....	153.00	151.00	159.00	168.00	185.00
Alfalfa, certified, per 100 pounds .....	256.00	265.00	267.00	274.00	277.00
Red clover, per 100 pounds .....	125.00	142.00	148.00	134.00	172.00
Lespedeza, Korean, per 100 pounds .....	86.20	122.00	96.40	66.00	99.00
Sudangrass, per 100 pounds .....	47.30	45.70	47.20	51.80	51.90
Timothy, per 100 pounds .....	66.30	77.00	77.20	71.00	76.00

<sup>1</sup>Prices paid by farmers are collected, for the most part, from retail establishments located in small cities and towns in rural areas. <sup>2</sup>Prior to 1995, recorded prices reflect a modified annual average based on frequency item was surveyed during the year. Feed and fuel items were surveyed in January, April, July, and October. Farm machinery was surveyed in April and October, however, individual items may have been surveyed in April or October only. Fertilizer was surveyed in April and October. Livestock are annual averages. Seeds were surveyed only in April. <sup>3</sup>U.S. average prices for April for all items except for livestock which are annual averages. <sup>4</sup>New surveyed item. <sup>5</sup>Survey item discontinued. <sup>6</sup>Specifications call for "complete feed."

NASS, Economic Statistics Branch, (202) 720-3570.

**Table 9-39.—Agricultural commodities: Support prices per unit, United States, 1988–97<sup>1 2</sup>**

Commodity and unit	1988	1989	1990	1991	1992	
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	
<b>Basic commodities:</b>						
<b>Corn:</b>						
Target price .....	Bushel ...	2.93	2.84	2.75	2.75	2.75
Loan rate .....	do .....	1.77	1.65	1.57	1.62	1.72
<b>Cotton:</b>						
American upland: <sup>3</sup>						
Target price .....	Pound ....	0.7590	0.7340	0.7290	0.7290	0.7290
Loan rate .....	do .....	0.5180	0.5000	0.5027	0.5077	0.5235
Extra-long staple:						
Target price .....	do .....	0.9570	0.9670	0.9810	0.9960	1.0580
Loan rate .....	do .....	0.8092	0.8177	0.8177	0.8299	0.8815
Peanuts: <sup>4</sup>	do .....	0.3076	0.3079	0.3157	0.3214	0.3375
<b>Rice:</b>						
Target price .....	Cwt. ....	11.15	10.80	10.71	10.71	10.71
Loan rate .....	do .....	6.63	6.50	6.50	6.50	6.50
<b>Wheat:</b>						
Target price .....	Bushel ...	4.23	4.10	4.00	4.00	4.00
Loan rate .....	do .....	2.21	2.05	1.95	2.04	2.21
<b>Tobacco:</b>						
Flue-cured, types 11-14 .....	Pound ....	1.442	1.468	1.488	1.528	1.560
Fire-cured, type 21 .....	do .....	1.171	1.191	1.262	1.332	1.367
Fire-cured, types 22-23 .....	do .....	1.213	1.226	1.297	1.367	1.421
Burley, type 31 .....	do .....	1.500	1.532	1.558	1.584	1.649
Dark air-cured, types 35-36 .....	do .....	1.032	1.044	1.107	1.169	1.217
Virginia sun-cured, type 37 .....	do .....	1.034	1.052	1.115	1.177	1.208
Cigar filler, Puerto Rican, type 46 .....	do .....	0.731	0.740	0.778	0.813	( <sup>5</sup> )
Ohio filler and Wisconsin binder, types 42-44 and 53-55 .....	do .....	0.895	0.909	0.962	1.014	1.054
<b>Barley:<sup>6</sup></b>						
Target price .....	Bushel ...	2.51	2.43	2.36	2.36	2.36
Loan rate .....	do .....	1.44	1.34	1.28	1.32	1.40
<b>Sorghum grain:<sup>6</sup></b>						
Target price .....	Cwt. ....	4.96	4.82	4.66	4.66	4.66
Loan rate .....	do .....	3.00	2.80	2.66	2.75	2.91
<b>Oats:<sup>6</sup></b>						
Target price .....	Bushel ...	1.55	1.50	1.45	1.45	1.45
Loan rate .....	do .....	0.90	0.85	0.81	0.83	0.88
Rye: <sup>6</sup>	do .....	1.50	1.40	1.33	1.38	1.46
<b>Nonbasic commodities:</b>						
Beans, dry edible .....	Cwt. ....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Cottonseed .....	Ton .....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Minor oilseeds <sup>7</sup> .....	Pound ....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	0.089	0.089
Soybeans .....	Bushel ...	4.77	4.53	4.50	5.02	5.02
Sugar, raw .....	Pound ...	0.1800	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing .....	Cwt. ....	10.80	10.60	10.10	10.10	10.10
Honey, extracted .....	Pound ...	0.591	0.564	0.538	0.538	0.538
Mohair .....	do .....	4.690	4.588	4.532	4.448	4.613
Wool .....	Pound ...	1.78	1.77	1.82	1.88	1.97

See footnotes at end of table.

**Table 9-39.—Agricultural commodities: Support prices per unit, United States, 1988-97<sup>1 2</sup>—Continued**

Commodity and unit	1993	1994	1995	1996	1997	
	<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	<sup>(9)</sup>	<sup>(9)</sup>
Loan rate .....	do .....	1.72	1.89	1.89	1.89	1.89
Cotton:						
American upland: <sup>3</sup>						
Target price .....	Pound	0.7290	0.7290	0.7290	<sup>(9)</sup>	<sup>(9)</sup>
Loan rate .....	do .....	0.5235	0.5000	0.5192	0.5192	0.5192
Extra-long staple:						
Target price .....	do .....	1.0570	1.0200	0.9560	<sup>(9)</sup>	<sup>(9)</sup>
Loan rate .....	do .....	0.8812	0.8503	0.7965	0.7965	0.7965
Peanuts: <sup>4</sup>	do .....	0.3375	0.3392	0.3392	0.3050	0.3050
Rice:						
Target price .....	Cwt. ...	10.71	10.71	10.71	<sup>(9)</sup>	<sup>(9)</sup>
Loan rate .....	do .....	6.50	6.50	6.50	6.50	6.50
Wheat:						
Target price .....	Bushel	4.00	4.00	4.00	<sup>(9)</sup>	<sup>(9)</sup>
Loan rate .....	do .....	2.45	2.58	2.58	2.58	2.58
Tobacco:						
Flue-cured, types 11-14	Pound	1.577	1.583	1.597	1.601	1.621
Fire-cured, type 21 .....	do .....	1.395	1.407	1.430	1.455	1.498
Fire-cured, types 22-23	do .....	1.464	1.483	1.518	1.557	1.623
Burley, type 31 .....	do .....	1.683	1.714	1.725	1.737	1.760
Dark air-cured, types 35-36	do .....	1.255	1.273	1.304	1.339	1.398
Virginia sun-cured, type 37	do .....	1.233	1.245	1.265	1.288	1.326
Cigar filler, Puerto Rican, type 46	do .....	0.834	0.844	0.861	<sup>(5)</sup>	<sup>(5)</sup>
Ohio filler and Wisconsin binder, types 42-44 and 53-55 ..	do .....	1.074	1.084	1.101	1.120	1.169
Barley: <sup>6</sup>						
Target price .....	Bushel	2.36	2.36	2.36	<sup>(8)</sup>	<sup>(8)</sup>
Loan rate .....	do .....	1.40	1.54	1.54	1.55	1.57
Sorghum grain: <sup>6</sup>						
Target price .....	Cwt. ...	4.66	4.66	4.66	<sup>(8)</sup>	<sup>(8)</sup>
Loan rate .....	do .....	2.91	3.21	3.21	3.23	3.14
Oats: <sup>6</sup>						
Target price .....	Bushel	1.45	1.45	1.45	<sup>(8)</sup>	<sup>(8)</sup>
Loan rate .....	do .....	0.88	0.97	0.97	1.03	1.11
Rye: <sup>6</sup>	do .....	1.46	1.61	1.61	<sup>(10)</sup>	<sup>(10)</sup>
Nonbasic commodities:						
Beans, dry edible						
Cottonseed .....	Cwt. ...	<sup>(5)</sup>	<sup>(5)</sup>	<sup>(5)</sup>	<sup>(5)</sup>	<sup>(5)</sup>
Minor oilseeds <sup>7</sup> .....	Ton ...	<sup>(5)</sup>	<sup>(5)</sup>	<sup>(5)</sup>	<sup>(5)</sup>	<sup>(5)</sup>
Soybeans .....	Pound	0.089	0.087	0.087	0.0891	0.0930
Sugar, raw .....	Bushel	5.02	4.92	4.92	4.99	5.26
Milk for manufacturing ...	Pound	0.1800	0.1800	0.1800	0.1800	0.1800
Honey, extracted .....	Cwt. ...	10.10	10.10	10.10	<sup>(10)</sup> 10.35	<sup>(13)</sup> 10.20
Mohair .....	Pound	0.538	0.500	0.500	<sup>(11)</sup>	<sup>(11)</sup>
Wool .....	do .....	4.738	4.739	4.657	<sup>(12)</sup>	<sup>(12)</sup>
Wool .....	Pound	2.04	2.09	2.12	<sup>(12)</sup>	<sup>(12)</sup>

<sup>1</sup> National averages during the marketing years for the individual crops, beginning in the years shown. <sup>2</sup> The target price is known in the statute as the "established price". <sup>3</sup> 1<sup>1</sup>/<sub>16</sub> strict low middling, micronaire 3.5 through 4.9. <sup>4</sup> For quota portion of crop. <sup>5</sup> No support program. <sup>6</sup> Grade No. 2 or better except for oats which is Grade No. 3. <sup>7</sup> Includes flaxseed, sunflower seed (oil and other), safflower, rapeseed (industrial), canola and mustard seed. <sup>8</sup> 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. <sup>9</sup> The rye price support program was terminated by the Federal Agriculture Improvement and Reform Act of 1996. <sup>10</sup> As of January 1, 1996. <sup>11</sup> The honey price support program was terminated by the Federal Agriculture Improvement and Reform Act of 1996. <sup>12</sup> The wool and mohair support programs terminated as of December 31, 1995, as required by Public Law 103-130. <sup>13</sup> As of January 1, 1997.

**Table 9-40.—Farm income: Cash receipts by commodities groups and selected commodities, United States, 1987–96 <sup>1</sup>**

Commodity	1987	1988	1989	1990	1991
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
All commodities .....	141,796,554	151,243,067	160,809,780	169,517,441	167,863,702
Livestock and products .....	75,996,441	79,639,741	83,917,584	89,219,948	85,786,358
Cattle and calves .....	33,583,276	36,958,190	36,429,167	39,301,814	38,696,618
Hogs .....	10,336,628	9,221,199	9,769,822	11,525,452	11,036,132
Sheep and lambs .....	558,065	521,673	487,164	414,412	399,354
Dairy products .....	17,726,646	17,631,666	19,357,305	20,152,604	18,006,612
Broilers .....	6,177,126	7,435,105	8,777,668	8,365,470	8,383,046
Farm chickens .....	111,827	95,350	138,441	90,314	67,256
Chicken eggs .....	3,208,393	3,066,845	3,861,538	4,009,506	3,901,282
Turkeys .....	1,703,142	1,951,399	2,235,145	2,393,375	2,352,987
Ducks .....	10,764	8,904	8,586	7,952	7,920
Other poultry .....	304,231	310,832	355,906	422,401	441,055
Misc. other livestock .....	2,276,343	2,438,578	2,496,842	2,536,648	2,494,096

Commodity	1992	1993	1994	1995	1996
All commodities .....	171,380,658	177,650,246	181,238,887	187,703,843	202,338,990
Livestock and products .....	85,636,979	90,170,477	88,159,928	87,003,756	92,914,212
Cattle and calves .....	37,272,292	39,361,709	36,394,811	33,983,198	31,138,046
Hogs .....	10,016,503	10,910,817	9,882,643	10,264,264	12,643,736
Sheep and lambs .....	459,504	550,966	507,158	558,851	600,716
Dairy products .....	19,736,250	19,242,553	19,935,161	19,893,610	22,833,925
Broilers .....	9,176,537	10,415,826	11,371,723	11,762,222	13,906,019
Farm chickens .....	82,842	96,435	77,517	61,315	61,429
Chicken eggs .....	3,384,490	3,779,430	3,780,349	3,879,609	4,756,571
Turkeys .....	2,396,728	2,509,672	2,643,765	2,882,151	3,056,314
Ducks .....	8,736	8,493	8,874	9,512	10,614
Other poultry .....	474,220	515,765	562,781	533,965	535,344
Misc. other livestock .....	2,628,877	2,778,811	2,995,146	3,213,776	3,371,498

Commodity	1987	1988	1989	1990	1991
Crops .....	65,800,113	71,603,326	76,892,196	80,297,493	82,077,344
Food grains .....	5,790,126	7,469,449	8,246,637	7,479,840	7,325,424
Feed crops .....	14,634,697	14,280,830	17,049,052	18,669,328	19,327,296
Cotton .....	4,189,135	4,525,060	5,025,638	5,488,395	5,236,401
Tobacco .....	1,815,568	2,068,552	2,410,192	2,733,496	2,881,115
Oil crops .....	11,282,517	13,500,503	11,866,212	12,258,130	12,697,874
Vegetables .....	9,890,880	9,792,069	11,561,722	11,463,655	11,624,743
Fruits/nuts .....	8,055,991	9,032,090	9,151,178	9,415,969	9,922,858
All other crops .....	10,141,199	10,934,773	11,581,565	12,788,680	13,061,633

Commodity	1992	1993	1994	1995	1996
Crops .....	85,743,679	87,479,769	93,078,620	100,700,087	109,424,778
Food grains .....	8,467,473	8,179,932	9,545,012	10,416,611	11,549,958
Feed crops .....	20,098,600	20,211,046	20,351,200	24,282,381	28,113,655
Cotton .....	5,192,067	5,249,680	6,737,709	6,851,079	7,460,813
Tobacco .....	2,958,005	2,947,785	2,656,352	2,548,399	2,795,990
Oil crops .....	13,285,937	13,219,881	14,656,680	15,466,338	17,755,891
Vegetables .....	11,851,388	13,434,608	13,902,047	14,890,935	14,348,758
Fruits/nuts .....	10,178,673	10,284,137	10,334,702	11,073,919	11,713,819
All other crops .....	13,711,536	13,952,700	14,895,257	15,170,425	15,685,894

<sup>1</sup>USDA 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. <sup>2</sup>Sale of all types of citrus fruit sold before the traditional marketing year, which begins in October.

**Table 9-41.—Farm income: Indicators by selected commodities, United States, 1987–96**

Commodity	1987	1988	1989	1990	1991
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Gross farm income .....	168,419.9	177,913.3	191,933.7	198,095.5	191,918.1
Gross cash income .....	164,955.1	173,581.1	180,292.4	186,967.7	184,349.8
Farm marketings .....	141,796.6	151,243.1	160,809.8	169,517.4	167,863.7
Government payments .....	16,746.7	14,479.8	10,886.7	9,298.0	8,214.4
Farm-related income .....	6,411.8	7,858.2	8,596.0	8,152.2	8,271.7
Noncash income .....	5,783.9	8,427.1	7,853.6	7,869.2	7,775.4
Value of home consumption .....	743.1	732.0	671.8	688.3	619.8
Rental value of dwellings <sup>1</sup> .....	5,040.8	7,695.2	7,181.8	7,181.2	7,155.6
Value of inventory adjustment .....	(2,319.1)	(4,095.0)	3,787.7	3,258.3	(207.1)
Total production expenses .....	130,992.9	139,907.7	146,660.2	153,289.8	153,272.5
Net farm income .....	37,427.1	38,005.5	45,273.5	44,805.7	38,645.6

Commodity	1992	1993	1994	1995	1996
Gross farm income .....	200,473.2	203,642.8	215,728.4	210,900.7	233,497.6
Gross cash income .....	188,722.7	200,081.2	198,324.1	205,037.5	220,590.1
Farm marketings .....	171,380.7	177,650.2	181,238.9	187,703.8	202,339.0
Government payments .....	9,168.9	13,402.0	7,879.1	7,253.4	7,285.5
Farm-related income .....	8,173.1	9,028.9	9,206.1	10,080.2	10,965.6
Noncash income .....	7,595.0	8,073.4	9,156.8	9,763.9	10,195.5
Value of home consumption .....	589.5	519.2	481.0	469.4	424.5
Rental value of dwellings <sup>1</sup> .....	7,005.5	7,554.2	8,675.8	9,294.5	9,771.0
Value of inventory adjustment .....	4,155.5	(4,511.9)	8,247.5	(3,900.6)	2,712.0
Total production expenses .....	152,936.3	160,547.9	167,456.9	174,161.4	181,303.2
Net farm income .....	47,536.9	43,094.9	48,271.4	36,739.3	52,194.4

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

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**Table 9-42.—Farm marketings: Farm marketings, government payments, and principal commodities, by States, 1996**

State	Farm marketings			Government payments	Rank
	Total	Crops	Livestock and products		
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	
AL .....	3,173,595	810,637	2,363,958	75,550	26-Broilers,cattle/calves, cotton, chicken eggs(76%).
AK .....	29,418	23,310	6,108	1,258	50-Greenhouse, dairy, potatoes, hay(80%).
AZ .....	2,146,417	1,307,590	838,827	57,993	32-Cattle/Caves, dairy, cotton, lettuce(65%).
AR .....	5,886,786	2,530,163	3,356,623	361,818	11-Broilers, soybeans, rice, cotton(71%).
CA .....	23,309,526	17,096,190	6,213,336	295,480	1-Dairy, greenhouse, grapes, cotton(40%).
CO .....	4,229,447	1,407,312	2,759,135	176,101	17-Cattle/calves, wheat, corn, dairy(72%).
CT .....	489,113	252,413	236,700	1,791	42-Greenhouse, dairy, aquaculture, chicken eggs(66%).
DE .....	757,036	183,580	573,456	4,888	39-Broilers, soybeans, corn, greenhouse(83%).
FL .....	6,130,658	4,942,465	1,188,193	222,872	9-Oranges, greenhouse, sugar, dairy(54%).
GA .....	5,687,046	2,407,786	3,279,260	114,524	12-Broilers, cotton, peanuts, chicken eggs(65%).
HI .....	482,589	416,594	65,995	580	44-Sugar, pineapples, greenhouse, macadamia nuts(65%).
ID .....	3,409,945	2,080,687	1,329,258	116,009	25-Potatoes, dairy, cattle/calves, wheat(71%).
IL .....	9,049,998	6,988,895	2,061,103	386,767	5-Corn, soybeans, hogs, cattle/calves(88%).
IN .....	5,448,099	3,663,444	1,894,655	213,703	14-Corn, soybeans, dairy, hogs(79%).
IA .....	12,852,687	7,395,907	5,456,780	501,694	3-Corn, hogs, soybeans, cattle/calves(91%).
KS .....	7,869,209	3,298,882	4,570,327	555,139	7-Cattle/calves, wheat, corn, sorghum grain(84%).
KY .....	3,550,232	1,831,347	1,718,885	74,542	22-Tobacco, Horses/mules, cattle/calves, corn(64%).
LA .....	2,342,068	1,654,858	687,210	176,471	31-Cotton, sugar, soybeans, rice(55%).
ME .....	485,111	223,574	261,537	4,638	43-Potatoes, dairy, chicken eggs, aquaculture(70%).
MD .....	1,533,770	633,267	900,503	17,647	36-Broilers, greenhouse, dairy, corn(68%).
MA .....	477,698	368,631	109,067	1,548	45-Greenhouse, cranberries, dairy, apples(69%).
MI .....	3,642,927	2,194,946	1,447,981	109,585	20-Dairy, corn, greenhouse, soybeans (57%).
MN .....	8,808,931	4,640,598	4,168,423	348,804	6-Corn, soybeans, dairy, hogs(66%).
MS .....	3,462,784	1,528,505	1,934,279	184,925	-Broilers, cotton, soybeans,aquaculture(73%).
MO .....	4,950,421	2,500,276	2,450,145	289,279	16-soybeans, corn, hogs, cattle/calves(59%).
MT .....	2,027,226	1,230,299	796,927	240,874	33-Wheat, cattle/calves, barley, hay(87%).
NE .....	9,454,041	4,176,780	5,277,261	388,819	4-Cattle/calves, corn, hogs, soybeans(87%).
NV .....	286,002	132,566	153,436	2,605	47-Cattle/calves, hay, dairy, potatoes(81%).
NH .....	160,907	88,605	72,302	1,093	48-Dairy, greenhouse, apples, cattle/calves(65%).
NJ .....	800,958	605,395	195,563	3,258	38-Greenhouse,dairy, peaches, blueberries(46%).
NM .....	1,709,056	511,567	1,197,489	59,000	34-Cattle/calves, dairy, hay, chili peppers(80%).
NY .....	3,043,034	998,487	2,044,547	43,289	27-Dairy, greenhouse, apples, corn(72%).
NC .....	7,831,309	3,403,986	4,427,323	75,702	8-Hogs, broilers, tobacco, greenhouse(63%).
ND .....	3,532,393	2,995,616	536,777	351,520	23-Wheat, cattle/calves, barley, sunflower(69%).
OH .....	5,121,783	3,176,785	1,944,998	163,120	15-soybeans, corn, dairy, greenhouse(63%).
OK .....	3,565,551	1,126,250	2,439,301	236,707	21-Cattle/calves, wheat, broilers, hogs(70%).
OR .....	2,976,542	2,320,012	656,530	74,262	28-Greenhouse, Wheat, cattle/calves, dairy(41%).
PA .....	4,142,509	1,277,932	2,864,577	37,111	18-Dairy, cattle/calves, greenhouse, chicken eggs(63%).
RI .....	82,867	71,573	11,294	156	49-Greenhouse, dairy, chicken eggs, sweet corn (72%).
SC .....	1,602,056	864,846	737,210	42,868	35-Broilers, tobacco, greenhouse, cotton(53%).
SD .....	3,683,512	2,050,747	1,632,765	229,606	19-Cattle/calves, corn, soybeans, wheat(72%).
TN .....	2,371,873	1,374,213	997,660	79,917	30-Cattle/calves, cotton, soybeans, dairy(49%).
TX .....	13,053,234	5,295,205	7,758,029	764,778	2-Cattle/calves, cotton, dairy, greenhouse(68%).
UT .....	873,143	227,004	646,139	21,006	37-Cattle/calves, dairy, hay, wheat(66%).
VT .....	534,666	97,609	437,057	4,035	41-Dairy, cattle/calves, greenhouse, maple products(88%).
VA .....	2,378,146	900,163	1,477,983	30,423	29-Broilers, dairy, cattle/calves, turkeys(49%).
WA .....	5,660,980	4,016,590	1,664,390	156,039	13-Apples, dairy, wheat, cattles/calves(58%).
WV .....	388,170	79,979	308,191	4,538	46-Broilers, cattles/calves, dairy, turkeys(70%).
WI .....	6,061,542	1,773,464	4,288,078	156,849	1-Dairy, corn, cattle/calves, soybeans(78%).
WY .....	661,979	184,338	477,641	24,381	40-Cattle/calves, hay, suger beets, wheat(77%).
US .....	202,338,990	109,424,778	92,914,212	7,285,541	Cattle/calves, dairy prod, corn, soybeans(45%).

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**Table 9-43.—Expenses: Farm production expenses, United States, 1987–96<sup>1</sup>**

Item	1987	1988	1989	1990	1991
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Total production expenses .....	130,992.8	139,906.7	146,662.3	153,289.8	153,272.5
Feed purchased .....	17,463.2	20,246.2	20,743.6	20,387.8	19,332.8
Livestock and poultry purchased .....	11,832.1	13,035.8	12,935.1	14,641.5	14,129.1
Seed purchased .....	3,258.9	4,059.5	4,397.2	4,518.9	5,113.4
Fertilizer and lime .....	6,452.5	7,677.8	8,173.9	8,206.3	8,666.1
Pesticides .....	4,512.2	4,147.7	5,011.5	5,363.2	6,320.5
Fuel and oil .....	4,956.6	4,800.0	4,771.5	5,789.7	5,607.5
Other <sup>1</sup> .....	27,180.7	29,576.8	31,616.5	32,789.8	34,160.6
Interest .....	14,971.9	14,293.9	13,934.9	13,437.2	12,119.1
Contract and hired labor expenses ..	9,975.5	10,906.7	12,028.8	14,113.4	13,900.0
Net rent to nonoperator landlord <sup>2</sup> ....	8,202.9	8,383.9	9,427.4	10,051.7	9,924.4
Capital consumption .....	17,218.5	17,606.2	18,117.5	18,128.5	18,184.2
Property taxes .....	4,967.9	5,172.9	5,504.5	5,861.9	5,814.7

  

Item	1992	1993	1994	1995	1996
Total production expenses .....	152,936.3	160,547.9	167,456.9	174,161.4	181,303.2
Feed purchased .....	20,133.0	21,431.2	22,631.2	23,829.3	25,234.5
Livestock and poultry purchased .....	13,574.2	14,597.3	13,270.1	12,335.3	11,148.1
Seed purchased .....	4,913.4	5,165.0	5,375.7	5,463.3	6,112.1
Fertilizer and lime .....	8,330.7	8,397.5	9,179.7	10,033.0	10,934.2
Pesticides .....	6,470.6	6,723.3	7,225.0	7,726.5	8,525.1
Fuel and oil .....	5,298.4	5,349.8	5,312.0	5,447.7	5,736.3
Other <sup>1</sup> .....	33,464.8	37,492.0	40,521.4	42,668.7	42,996.3
Interest .....	11,137.5	10,821.5	11,735.2	12,726.4	13,218.3
Contract and hired labor expenses ..	13,999.7	15,006.3	15,308.6	16,315.8	17,347.9
Net rent to nonoperator landlord <sup>2</sup> ....	11,187.5	11,009.1	11,719.9	11,984.0	14,293.1
Capital consumption .....	18,309.5	18,377.8	18,688.2	18,914.3	18,929.5
Property taxes .....	6,117.0	6,177.0	6,489.9	6,717.2	6,827.8

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

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**Table 9-44.—Average Income to Farm Operator Households, United States, 1993–96<sup>1</sup>**

Item	1993	1994	1995	1996 <sup>2</sup>
Dollars per farm				
Net cash farm business income <sup>3</sup> .....	11,248	11,389	11,218	13,502
Less depreciation <sup>4</sup> .....	6,219	6,466	6,795	6,906
Less wages paid to operator <sup>5</sup> .....	454	425	522	531
Less farmland rental income <sup>6</sup> .....	534	701	769	672
Less adjusted farm business income due to other household(s) <sup>7</sup> .....	872	815	649	1,094
Dollars per farm operator household				
Equals adjusted farm business income .....	3,168	2,981	2,484	4,300
Plus wages paid to operator .....	454	425	522	531
Plus net income from farmland rental <sup>8</sup> .....	n.a.	n.a.	1,053	1,178
Equals farm self-employment income .....	3,623	3,407	4,059	6,009
Plus other farm-related earnings <sup>9</sup> .....	1,192	970	661	1,898
Equals earnings of the operator household from farming activities .....	4,815	4,376	4,720	7,906
Plus earnings of the operator household from off-farm sources <sup>10</sup> .....	35,408	38,092	39,671	42,455
Equals average farm operator household income comparable to U.S. average household income, as measured by the CPS .....	40,223	42,469	44,392	50,361
Dollars per U.S. household				
U.S. average household income <sup>11</sup> .....	41,428	43,133	44,938	47,123
Percent				
Average farm operator household income as percent of U.S. average household income .....	97.1	98.5	98.8	106.9
Average operator household earnings from farming activities as percent of average operator household income .....	12.0	10.3	10.6	15.7

<sup>1</sup>Farm 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. <sup>2</sup>Preliminary data. <sup>3</sup>A 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. <sup>4</sup>Consistent 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. <sup>5</sup>Wages 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. <sup>6</sup>Gross rental income is subtracted here because net rental income from the farm operation is added below to income received by the household. <sup>7</sup>More 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. <sup>8</sup>Includes 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 1993 and 1994, net rental income was collected as a part of off-farm income. <sup>9</sup>Includes 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. <sup>10</sup>Income from wages, salaries, nonfarm businesses, interest, dividends, transfer payments, net rental income from nonfarm properties, etc. In 1993 and 1994, also includes net rental income from farmland. <sup>11</sup>From the Current Population Survey.

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**Table 9-45.—Grazing fees: Rates for cattle by selected States and regions, 1995–97**

State	Monthly lease rates for private non-irrigated grazing land <sup>1</sup>								
	Animal unit <sup>2</sup>			Cow-calf			Per head		
	1995	1996	1997	1995	1996	1997	1995	1996	1997
	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>	<i>Dollars per head</i>
AZ .....	5.75	6.50	6.50	7.50	8.00	8.50	7.50	7.00	7.90
CA .....	10.50	10.10	10.60	12.80	12.20	13.00	11.10	11.90	12.00
CO .....	10.30	11.40	11.30	12.00	13.20	13.60	10.50	10.70	10.60
ID .....	10.10	10.20	10.40	12.20	12.20	12.50	10.40	10.40	11.20
KS .....	10.50	12.00	10.50	12.00	14.00	12.80	10.50	11.00	9.80
MT .....	11.90	11.80	12.30	13.70	13.20	13.90	12.80	11.70	13.20
NE .....	17.60	18.00	18.80	21.00	21.40	22.20	16.80	18.00	18.50
NV .....	8.80	8.80	9.00	12.00	11.50	12.00	8.80	9.30	9.50
NM .....	8.74	8.87	8.79	10.40	11.30	10.30	9.94	9.37	9.00
ND .....	10.30	10.60	9.30	11.50	12.50	11.00	10.20	10.30	10.00
OK .....	7.00	7.00	8.00	8.06	8.50	8.70	8.00	8.00	7.50
OR .....	10.20	10.00	10.20	11.50	10.80	11.50	10.10	9.45	9.85
SD .....	13.90	13.20	14.00	16.30	15.00	16.40	14.00	14.80	14.40
TX .....	9.10	8.00	9.00	10.80	9.20	10.00	8.00	8.50	8.00
UT .....	9.50	9.75	9.00	10.00	11.00	11.10	11.80	11.00	11.00
WA .....	8.50	8.70	9.00	9.70	9.00	9.60	9.90	10.30	9.30
WY .....	11.30	11.00	12.00	13.00	13.00	14.00	11.50	11.10	12.20
17-State <sup>3</sup>	10.60	10.50	11.00	12.40	12.20	12.70	10.50	10.80	10.80
16-State <sup>4</sup>	11.20	11.40	11.70	13.10	13.40	13.70	11.50	11.80	11.80
11-State <sup>5</sup>	10.30	10.40	10.70	12.10	12.10	12.60	11.00	10.70	11.30
9-State <sup>6</sup>	10.60	10.50	11.00	12.50	12.30	12.80	10.30	10.80	10.60

<sup>1</sup> The 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 1995, 1996, and 1998 January Agricultural Survey.  
<sup>2</sup> Includes animal unit plus cow-calf rates. Cow-calf rate converted to animal unit (AUM) using (1 aum=cow-calf \*0.833).  
<sup>3</sup> Seventeen Western States: All States listed. <sup>4</sup> Sixteen Western States: All States, except Texas. <sup>5</sup> Eleven Western States: AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY. <sup>6</sup> Nine Great Plains States: CO, KS, NE, NM, ND, OK, SD, TX, WY.

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