

## 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.

**Table 9-1.—Economic trends: Data relating to agriculture, United States, 1992–2001**

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>6</sup>	Production expenses	Net farm income
	<i>Index numbers 1990–92=100</i>	<i>Index numbers 1990–92=100</i>	<i>Index numbers 1990–92=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1992 .....	101	101	98	200.6	152.8	47.8
1993 .....	103	104	101	205.0	160.4	44.7
1994 .....	106	106	100	216.0	167.2	48.9
1995 .....	109	108	102	210.8	173.8	36.9
1996 .....	115	115	112	235.8	181.0	54.8
1997 .....	118	119	107	238.1	187.6	50.5
1998 .....	115	113	102	232.1	186.5	45.6
1999 .....	115	111	96	234.5	188.3	46.2
2000 .....	120	116	96	241.7	193.7	48.0
2001 .....	124	120	102	246.5	200.8	45.7

  

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 1997=100</i>	<i>Index numbers 1982–84=100</i>	<i>Index numbers 1982=100</i>
1992 .....	4,994.9	5,390.4	78.3	140.3	123.3
1993 .....	5,251.9	5,610.0	80.9	144.5	125.7
1994 .....	5,556.8	5,888.0	85.2	148.2	126.8
1995 .....	5,876.7	6,200.9	89.3	152.4	129.0
1996 .....	6,210.4	6,547.4	93.2	156.9	133.6
1997 .....	6,618.4	6,937.0	100.0	160.5	134.5
1998 .....	7,041.1	7,426.0	105.6	163.0	134.3
1999 .....	7,468.7	7,786.5	110.1	166.6	135.1
2000 .....	7,984.4	8,406.6	115.3	172.2	137.2
2001 .....	8,122.0	8,685.3	111.2	177.1	141.3

<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, Bureau of Economic Analysis.    <sup>4</sup> Federal Reserve Board.    <sup>5</sup> U.S. Department of Labor, Bureau of Labor Statistics.    <sup>6</sup> Includes cash receipts from farm marketings, government payments, nonmoney income (gross rental value of dwelling and value of home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories.

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**Table 9-2.—Farms: Number, land in farms, and average size of farm, U.S., 1993–2002<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>	
1993 .....	2,201,590		968,845		440	
1994 .....	2,197,690		965,935		440	
1995 .....	2,196,400		962,515		438	
1996 .....	2,190,500		958,675		438	
1997 .....	2,190,510		956,010		436	
1998 .....	2,191,360		953,500		435	
1999 .....	2,192,070		947,440		432	
2000 .....	2,172,280		943,090		434	
2001 .....	2,155,680		941,310		437	
2002 <sup>3</sup> .....	2,158,090		941,480		436	

<sup>1</sup>The farm definition was changed in 1993 to include maple syrup, short rotation woody crops, and places with 5 or more horses. <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.

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**Table 9-3.—Farms: Percent of farms, land in farms, and average size, by economic sales class, United States, 2001–2002<sup>1</sup>**

Economic sales class	Percent of total				Average size farm	
	Farms		Land		2001	2002 <sup>2</sup>
	2001	2002 <sup>2</sup>	2001	2002 <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 .....	25.6	26.9	4.3	4.5	73	73
\$2,500–\$4,999 .....	14.9	14.8	4.0	3.8	117	113
\$5,000–\$9,999 .....	13.4	12.7	5.0	4.9	163	169
\$10,000–\$24,999 .....	12.5	12.7	7.5	7.7	264	264
\$25,000–\$49,999 .....	8.7	8.7	8.4	9.9	427	496
\$50,000–\$99,999 .....	8.6	8.1	13.2	11.5	675	619
\$100,000–\$249,999 .....	9.1	8.8	24.1	23.5	1,158	1,161
\$250,000–\$499,999 .....	4.0	4.1	14.3	16.1	1,564	1,708
\$500,000–\$999,999 .....	2.0	2.0	10.1	8.6	2,205	1,872
\$1,000,000+ .....	1.2	1.2	9.1	9.5	3,311	3,457
Total .....	100.0	100.0	100.0	100.0	437	436

<sup>1</sup>Economic Sales Classes changed for 2001 to standard government groupings. <sup>2</sup>Preliminary.

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**Table 9-4.—Number of farms: Economic sales class by region and United States, 2000–2002**

Region and year	Economic Sales Class						Total
	\$1,000- \$9,999	\$10,000- \$99,999	\$100,000 & over	\$100,000- \$249,999	\$250,000- \$499,999	\$500, & over	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>			
NE: <sup>1</sup>							
2000 .....	73,900	38,000	22,000	.....	.....	.....	133,900
2001 .....	72,800	38,100	22,200	.....	.....	.....	133,100
2002 <sup>5</sup> .....	74,000	34,780	23,820	14,140	5,870	3,810	132,600
NC: <sup>2</sup>							
2000 .....	333,800	297,200	183,800	.....	.....	.....	814,800
2001 .....	330,200	289,200	185,900	.....	.....	.....	805,300
2002 .....	332,400	286,000	183,600	109,600	47,600	26,400	802,000
South: <sup>3</sup>							
2000 .....	601,500	227,220	89,280	.....	.....	.....	918,000
2001 .....	598,240	228,580	89,580	.....	.....	.....	916,400
2002 .....	605,410	230,330	86,360	41,900	22,524	21,936	922,100
West: <sup>4</sup>							
2000 .....	164,350	87,130	54,100	.....	.....	.....	305,580
2001 .....	159,750	86,830	54,300	.....	.....	.....	300,880
2002 .....	160,960	86,050	54,380	24,230	13,250	16,900	301,390
US:							
2000 .....	1,173,550	649,550	349,180	.....	.....	.....	2,172,280
2001 .....	1,160,990	642,710	351,980	.....	.....	.....	2,155,680
2002 .....	1,172,770	637,160	348,160	189,870	89,244	69,046	2,158,090

<sup>1</sup>CT, ME, MA, NH, NJ, NY, PA, RI, and VT. <sup>2</sup>IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, WI. <sup>3</sup>AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV. <sup>4</sup>AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, UT, WA, WY. <sup>5</sup>Number of farms estimated for 3 sales classes above \$100,00 beginning in 2002.

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**Table 9-5.—Land in farms: Economic sales class by region and United States, 2000–2002**

Region and year	Economic Sales Class						Total
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000 & over	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000 & over	
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>			
NE: <sup>1</sup>							
2000 .....	5,470	5,900	8,880	.....	.....	.....	20,250
2001 .....	5,150	5,850	9,130	.....	.....	.....	20,130
2002 <sup>5</sup> .....	5,340	5,650	9,120	4,235	2,635	2,250	20,110
NC: <sup>2</sup>							
2000 .....	32,500	106,700	214,200	.....	.....	.....	353,400
2001 .....	31,600	103,300	217,900	.....	.....	.....	352,700
2002 .....	31,300	101,600	219,200	104,300	63,600	51,300	352,100
South: <sup>3</sup>							
2000 .....	60,898	96,707	124,875	.....	.....	.....	282,480
2001 .....	60,580	92,085	129,355	.....	.....	.....	282,020
2002 .....	61,280	92,585	129,045	45,615	33,155	50,275	282,910
West: <sup>4</sup>							
2000 .....	28,815	76,885	181,260	.....	.....	.....	286,960
2001 .....	27,615	74,645	184,200	.....	.....	.....	286,460
2002 .....	26,815	74,265	185,280	66,735	52,105	66,440	286,360
US:							
2000 .....	127,683	286,192	529,215	.....	.....	.....	943,090
2001 .....	124,945	275,880	540,485	.....	.....	.....	941,310
2002 .....	124,735	274,100	542,645	220,885	151,495	170,265	941,480

<sup>1</sup> CT, ME, MA, NH, NJ, NY, PA, RI, and VT. <sup>2</sup> IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, WI. <sup>3</sup> AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV. <sup>4</sup> AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, UT, WA, WY. <sup>5</sup> Number of farms estimated for 3 sales classes above \$100,000 beginning in 2002.

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**Table 9-6.—Land in farms: Classification by tenure of operator, United States, 1910–2001**

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
1997 <sup>2</sup> .....	932,475,414	26.7	62.2	.....	11.2
1998 <sup>2</sup> .....	900,415,615	28.6	60.2	.....	11.2
1999 <sup>2</sup> .....	870,720,495	25.6	61.6	.....	12.8
2000 <sup>2</sup> .....	994,997,682	26.4	62.3	.....	11.4
2001 <sup>2</sup> .....	959,163,331	24.7	61.2	.....	14.2

<sup>1</sup> Includes Alaska and Hawaii. <sup>2</sup> Excludes Alaska and Hawaii.

ERS, Resource Economics Division, (202) 694-5575. Data for 1910-1992 is from the Census of Agriculture, U.S. Department of Commerce. Data for 1997-2001 is from ERS Agricultural Resource Management Study.

**Table 9-7.—Farms: Classification by tenure of operator, United States, 1910–2001**

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
		<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1910	6,365,822	52.7	9.3	0.9	37.0
1920	6,453,991	52.2	8.7	1.1	38.1
1925	6,371,640	52.0	8.7	0.6	38.6
1930 <sup>1</sup>	6,295,103	46.3	10.4	0.9	42.4
1935	6,812,350	47.1	10.1	0.7	42.1
1940 <sup>1</sup>	6,102,417	50.6	10.1	0.6	38.8
1945	5,859,169	56.4	11.3	0.7	31.7
1950 <sup>1</sup>	5,388,437	57.4	15.3	0.4	26.9
1954	4,783,021	57.4	18.2	0.4	24.0
1959 <sup>1</sup>	3,710,503	57.1	21.9	0.6	20.5
1964 <sup>1</sup>	3,157,857	57.6	24.8	0.6	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
1997 <sup>2</sup>	2,049,384	55.3	35.4	.....	9.3
1998 <sup>2</sup>	2,054,709	56.5	33.9	.....	9.6
1999 <sup>2</sup>	2,186,950	58.3	33.9	.....	7.8
2000 <sup>2</sup>	2,166,060	57.7	34.1	.....	8.2
2001 <sup>2</sup>	2,149,683	57.2	34.9	.....	8.0

<sup>1</sup> Includes Alaska and Hawaii. <sup>2</sup> Excludes Alaska and Hawaii.

ERS, Resource Economics Division, (202) 694–5575. Data for 1910-1992 is from the Census of Agriculture, U.S. Department of Commerce. Data for 1997-2001 is from ERS Agricultural Resource Management Study.

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

Year	Land in farms	Land rented by operators <sup>1</sup>			Percentage of land rented
		Tenants	Part-owners	Total	
		<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	
1900	841.8	195.1	271.1	266.2	31.6
1910	878.8	225.5	351.3	277.8	31.6
1920	958.7	<sup>4</sup> 265.0	<sup>5</sup> 54.7	319.7	33.3
1925	924.3	264.9	96.3	361.2	39.0
1930	990.1	307.3	125.2	432.5	43.6
1935	1,054.5	336.8	134.3	471.1	44.6
1940	1,165.1	313.2	155.9	469.1	40.3
1945	1,141.6	251.6	178.9	430.5	37.7
1950	1,161.4	212.2	196.2	408.4	35.2
1954	1,158.2	192.6	212.3	404.9	34.9
1959	1,123.0	166.8	234.1	400.9	35.7
1964	1,110.2	144.9	248.1	<sup>6</sup> 393.0	35.4
1969	1,063.3	137.6	241.8	379.4	35.7
1974	1,017.0	122.3	258.4	380.7	37.4
1978	1,029.7	124.1	285.3	406.3	39.4
1982	986.2	113.6	269.9	383.5	38.9
1987	964.5	126.9	275.4	402.3	41.7
1992	945.5	122.7	282.2	404.9	42.8
1997	931.8	108.1	270.0	378.1	40.6

<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; 1997 Census of Agriculture, vol. 1, part 51, chapter 1, table 46, p. 57; 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.

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**Table 9-9.—Farms: Number and land in farms, by States, 2001 and 2002**

State	Farms <sup>1</sup>		Land in farms	
	2001	2002 <sup>2</sup>	2001	2002 <sup>2</sup>
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL .....	47,000	47,000	8,900	8,900
AK .....	580	590	920	920
AZ .....	7,300	7,300	26,600	26,500
AR .....	48,000	48,500	14,600	14,600
CA .....	85,000	84,000	27,700	27,700
CO .....	30,000	30,000	31,300	31,300
CT .....	3,900	3,900	360	360
DE .....	2,500	2,400	570	560
FL .....	44,000	44,000	10,200	10,200
GA .....	50,000	50,000	11,000	11,000
HI .....	5,300	5,300	1,440	1,440
ID .....	24,000	24,000	11,900	11,900
IL .....	76,000	76,000	27,700	27,700
IN .....	63,000	63,000	15,400	15,400
IA .....	93,500	92,500	32,700	32,600
KS .....	63,000	63,000	47,400	47,400
KY .....	88,000	89,000	13,600	13,600
LA .....	29,000	29,000	8,050	8,050
ME .....	6,700	6,700	1,260	1,260
MD .....	12,400	12,200	2,100	2,100
MA .....	6,000	6,000	560	560
MI .....	52,000	52,000	10,400	10,400
MN .....	79,000	79,000	28,500	28,400
MS .....	42,000	43,000	11,000	11,000
MO .....	108,000	107,000	29,900	29,800
MT .....	27,500	28,000	56,700	56,700
NE .....	53,000	52,000	46,400	46,400
NV .....	3,000	3,000	6,800	6,800
NH .....	3,100	3,100	420	410
NJ .....	9,600	9,600	830	820
NM .....	15,000	15,000	44,000	44,000
NY .....	37,500	37,000	7,600	7,600
NC .....	56,000	56,000	9,100	9,100
ND .....	30,300	30,000	39,400	39,400
OH .....	78,000	78,000	14,800	14,700
OK .....	86,000	87,000	34,000	34,000
OR .....	40,000	41,000	17,200	17,200
PA .....	59,000	59,000	7,700	7,700
RI .....	700	700	60	60
SC .....	24,000	24,500	4,800	4,800
SD .....	32,500	32,500	44,000	44,000
TN .....	91,000	90,000	11,800	11,700
TX .....	227,000	230,000	130,000	131,000
UT .....	15,000	15,000	11,600	11,600
VT .....	6,600	6,600	1,340	1,340
VA .....	49,000	49,000	8,700	8,700
WA .....	39,000	39,000	15,700	15,700
WV .....	20,500	20,500	3,600	3,600
WI .....	77,000	77,000	16,100	15,900
WY .....	9,200	9,200	34,600	34,600
US .....	2,155,680	2,158,090	941,310	941,480

<sup>1</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>2</sup> Preliminary.

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Table 9-10.—Land: Utilization, by States, 1997

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 .....	2,298	533	1,639	1,860	21,911	1,423	2,815	32,480
AK .....	34	26	8	1,226	87,936	143,013	132,796	365,039
AZ .....	951	187	116	40,509	16,306	10,092	4,571	72,731
AR .....	7,635	413	2,034	2,006	18,392	1,450	1,398	33,328
CA .....	8,675	706	1,246	22,343	32,579	20,996	13,277	99,823
CO .....	8,899	1,780	736	27,867	18,781	5,699	2,623	66,386
CT .....	131	8	27	30	1,682	299	923	3,101
DE .....	434	7	11	8	376	102	313	1,251
DC .....	0	0	0	0	0	0	39	39
FL .....	2,465	288	896	5,455	14,605	4,676	6,172	34,558
GA .....	5,000	733	1,395	1,336	23,004	1,854	3,544	37,068
HI .....	101	150	42	961	1,189	769	898	4,111
ID .....	4,197	753	816	21,165	17,123	5,266	3,641	52,961
IL .....	23,140	932	853	1,559	4,058	1,901	3,137	35,580
IN .....	12,516	516	658	1,158	4,342	1,102	2,666	22,957
IA .....	24,259	1,578	2,074	1,477	1,944	1,550	2,878	35,760
KS .....	26,955	2,964	3,789	12,560	1,492	1,620	2,987	52,367
KY .....	4,889	766	3,205	1,491	12,348	996	1,733	25,429
LA .....	4,053	563	869	1,582	13,691	1,395	5,729	27,882
ME .....	324	77	65	37	16,952	520	1,778	19,753
MD .....	1,344	62	149	208	2,424	731	1,338	6,256
MA .....	160	12	39	35	2,675	553	1,542	5,016
MI .....	7,098	705	500	1,606	18,667	2,468	5,313	36,358
MN .....	20,090	1,707	1,041	1,544	14,820	4,398	7,353	50,954
MS .....	4,602	677	1,184	1,946	18,589	848	2,179	30,025
MO .....	12,956	1,645	5,413	6,010	13,411	1,740	2,921	44,095
MT .....	14,527	2,374	1,672	46,039	19,165	6,414	2,965	93,156
NE .....	20,314	1,299	1,942	21,828	797	1,423	1,599	49,202
NV .....	546	56	265	46,278	8,199	5,176	9,204	70,275
NH .....	84	6	22	40	4,551	317	720	5,740
NJ .....	526	40	68	29	1,507	728	1,850	4,748
NM .....	1,313	474	639	52,188	14,084	6,360	2,615	77,673
NY .....	3,162	317	633	1,314	15,405	3,810	5,581	30,223
NC .....	4,487	476	927	814	18,638	2,264	3,574	31,180
ND .....	24,460	2,858	1,500	11,329	441	1,489	2,079	44,156
OH .....	10,576	556	895	1,376	7,567	1,153	4,087	26,209
OK .....	9,793	1,184	5,360	17,314	6,233	1,477	2,593	43,954
OR .....	3,853	566	919	22,395	26,664	3,593	3,450	61,441
PA .....	4,187	299	695	910	15,852	2,379	4,364	28,685
RI .....	22	2	6	3	356	61	220	669
SC .....	1,660	335	538	465	12,418	1,032	2,824	19,271
SD .....	17,313	1,909	2,542	22,594	1,588	1,575	1,051	48,573
TN .....	4,307	596	2,587	1,123	13,265	2,203	2,298	26,390
TX .....	22,613	5,092	12,335	98,059	11,767	5,363	12,396	167,625
UT .....	1,252	234	558	23,737	13,832	5,058	7,916	52,588
VT .....	342	10	132	212	4,462	337	425	5,920
VA .....	2,572	242	1,526	1,533	15,345	1,468	2,657	25,343
WA .....	6,854	1,018	528	7,406	17,418	6,639	2,749	42,612
WV .....	664	50	697	481	11,899	699	925	15,415
WI .....	7,803	799	959	1,844	15,701	2,182	5,472	34,761
WY .....	2,064	257	759	44,873	5,085	6,332	2,777	62,147
US .....	348,701	38,839	67,512	580,165	641,536	285,544	300,957	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, 1959–97**

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

<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. Note: Data from the Census of Agriculture, U.S. Department of Commerce. Beginning in 1997 Census of Agriculture, U.S. Department of Agriculture.

**Table 9-12.—Farm real estate: Value of farmland and buildings, by States, 1998–2002<sup>1</sup>**

State	Total value of land and buildings				
	Jan. 1, 1998	Jan. 1, 1999	Jan. 1, 2000	Jan. 1, 2001	Jan. 1, 2002
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
AL .....	13,680	13,984	15,120	16,020	16,910
AZ <sup>2</sup> .....	11,741	11,781	11,666	12,725	13,622
AR .....	16,963	17,873	18,250	18,980	20,002
CA .....	74,385	77,006	79,230	83,100	85,870
CO .....	19,900	20,034	21,172	21,754	22,223
CT .....	2,261	2,331	2,376	2,484	2,628
DE .....	1,543	1,595	1,624	1,682	1,652
FL .....	23,744	23,504	24,720	26,520	28,560
GA .....	17,063	18,256	20,868	23,100	25,300
ID .....	12,240	12,971	13,923	14,280	14,875
IL .....	59,214	62,325	65,926	70,081	73,128
IN .....	32,136	34,410	36,425	38,500	39,886
IA .....	56,100	58,410	59,696	62,130	64,548
KS .....	27,408	27,550	28,025	28,914	29,388
KY .....	20,010	20,808	21,760	24,072	25,160
LA .....	9,922	9,862	10,125	10,224	10,546
ME .....	1,523	1,524	1,588	1,638	1,764
MD .....	6,837	6,930	7,560	7,980	8,400
MA .....	2,970	3,135	3,363	3,640	4,032
MI .....	17,368	19,240	22,360	23,920	26,000
MN .....	33,524	35,424	37,752	38,760	41,180
MS .....	12,180	12,540	13,098	13,750	14,300
MO .....	32,207	34,013	37,500	41,262	45,296
MT .....	16,905	16,872	19,845	21,263	21,773
NE .....	29,928	31,088	32,248	33,872	35,032
NV <sup>2</sup> .....	2,680	2,827	2,971	3,114	3,150
NH .....	945	945	966	1,008	1,066
NJ .....	5,810	5,810	5,893	6,142	6,560
NM <sup>2</sup> .....	8,821	8,691	8,539	8,650	8,650
NY .....	9,984	10,452	10,857	11,400	12,160
NC .....	19,552	20,925	23,000	25,480	26,390
ND .....	15,840	15,996	16,351	16,745	17,336
OH .....	30,396	33,078	34,270	36,704	39,690
OK .....	20,740	21,250	21,556	22,780	24,140
OR .....	16,512	17,200	17,544	18,060	18,920
PA .....	18,403	19,250	20,944	21,868	22,715
RI .....	423	390	396	414	438
SC .....	7,252	7,372	7,680	7,920	8,160
SD .....	15,312	15,840	16,720	17,820	19,360
TN .....	21,539	23,205	25,155	26,432	27,027
TX .....	77,980	79,605	81,900	88,400	94,320
UT <sup>2</sup> .....	6,576	6,978	7,359	7,958	8,557
VT .....	2,037	2,104	2,211	2,345	2,546
VA .....	16,896	17,748	19,140	20,445	21,663
WA .....	18,683	18,683	18,840	18,683	18,683
WV .....	4,033	3,852	4,140	4,608	4,932
WI .....	20,336	22,331	27,540	32,200	34,980
WY .....	7,681	7,612	8,304	8,996	9,861
48 States ...	900,179	935,610	988,495	1,048,821	1,103,378

<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. <sup>2</sup>Value of All land and Buildings adjusted to include reservation land value.

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



**Table 9-13.—Land utilization, United States, selected years, 1940–97**

Major land uses	1940	1950	1959	1969	1978	1987	1992	1997
	<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	331	337	349
Idle cropland .....	31	32	33	51	26	68	56	39
Cropland used only for pasture .....	68	69	66	88	76	65	67	67
Grassland pasture <sup>2</sup> .....	650	631	633	604	587	591	591	580
Forest land <sup>3</sup> .....	608	601	728	723	703	648	648	642
Special uses <sup>4</sup> .....	.....	.....	147	174	203	335	340	351
Other land .....	179	194	305	291	301	227	224	235
<b>Total land area<sup>5</sup> .....</b>	<b>1,904</b>	<b>1,904</b>	<b>2,271</b>	<b>2,264</b>	<b>2,265</b>	<b>2,265</b>	<b>2,263</b>	<b>2,263</b>

<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, 1998–2002**

State	Mar. 1, 1970	Jan. 1, 1998	Jan. 1, 1999	Jan. 1, 2000	Jan. 1, 2001	Jan. 1, 2002
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL .....	200	1,440	1,520	1,680	1,800	1,900
AZ <sup>1</sup> .....	70	987	1,070	1,180	1,360	1,520
AR .....	260	1,150	1,220	1,250	1,300	1,370
CA .....	479	2,610	2,770	2,850	3,000	3,100
CO .....	95	618	630	670	695	710
CT .....	921	5,950	6,300	6,600	6,900	7,300
DE .....	499	2,660	2,750	2,800	2,950	2,950
FL .....	355	2,240	2,260	2,400	2,600	2,800
GA .....	234	1,510	1,630	1,880	2,100	2,300
ID .....	177	1,020	1,090	1,170	1,200	1,250
IL .....	490	2,130	2,250	2,380	2,530	2,640
IN .....	406	2,060	2,220	2,350	2,500	2,590
IA .....	392	1,700	1,770	1,820	1,900	1,980
KS .....	159	577	580	590	610	620
KY .....	253	1,450	1,530	1,600	1,770	1,850
LA .....	321	1,210	1,210	1,250	1,270	1,310
ME .....	161	1,190	1,200	1,250	1,300	1,400
MD .....	640	3,180	3,300	3,600	3,800	4,000
MA .....	565	5,210	5,500	5,900	6,500	7,200
MI .....	326	1,670	1,850	2,150	2,300	2,500
MN .....	226	1,160	1,230	1,320	1,360	1,450
MS .....	234	1,050	1,100	1,180	1,250	1,300
MO .....	224	1,070	1,130	1,250	1,380	1,520
MT .....	60	294	296	350	375	384
NE .....	154	645	670	695	730	755
NV <sup>1</sup> .....	53	392	420	440	460	460
NH .....	239	2,250	2,250	2,300	2,400	2,600
NJ .....	1,092	7,000	7,000	7,100	7,400	8,000
NM <sup>1</sup> .....	42	217	217	217	220	220
NY .....	273	1,280	1,340	1,410	1,500	1,600
NC .....	333	2,080	2,250	2,500	2,800	2,900
ND .....	94	401	406	415	425	440
OH .....	399	2,040	2,220	2,300	2,480	2,700
OK .....	173	610	625	634	670	710
OR .....	150	960	1,000	1,020	1,050	1,100
PA .....	373	2,390	2,500	2,720	2,840	2,950
RI .....	734	6,500	6,500	6,600	6,900	7,300
SC .....	261	1,480	1,520	1,600	1,650	1,700
SD .....	84	348	360	380	405	440
TN .....	268	1,810	1,950	2,150	2,240	2,310
TX .....	148	593	610	630	680	720
UT <sup>1</sup> .....	92	807	855	900	975	1,050
VT .....	224	1,520	1,570	1,650	1,750	1,900
VA .....	286	1,920	2,040	2,200	2,350	2,490
WA .....	224	1,190	1,190	1,200	1,190	1,190
WV .....	136	1,090	1,070	1,150	1,280	1,370
WI .....	232	1,240	1,370	1,700	2,000	2,200
WY .....	41	222	220	240	260	285
<b>48 States .....</b>	<b>196</b>	<b>974</b>	<b>1,020</b>	<b>1,080</b>	<b>1,150</b>	<b>1,210</b>

<sup>1</sup> Excludes Native American Reservation Land.

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

Table 9-15.—Land values, cropland and pasture: By States, 2001–2002

State	2001				2002			
	Cropland <sup>1</sup>	Irrigated cropland	Non-irrigated cropland	Pasture <sup>2</sup>	Cropland <sup>1</sup>	Irrigated cropland	Non-irrigated cropland	Pasture <sup>2</sup>
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
AL .....	1,630			1,450	1,690			1,580
AZ .....	5,400	5,400		400	6,000	6,000		450
AR .....	1,140	1,260	1,030	1,000	1,160	1,310	1,030	1,080
CA .....	6,320	6,800	1,400	1,040	6,510	7,000	1,420	1,060
CO .....	911	1,750	460	360	929	1,800	460	360
CT .....								
DE .....	2,900				2,900			
FL .....	3,540	4,370	1,800	1,800	3,690	4,520	1,950	2,000
GA .....	1,530	1,700	1,500	2,400	1,660	1,800	1,630	2,600
ID .....	1,570	2,020	790	810	1,660	2,150	790	820
IL .....	2,650			1,180	2,750			1,220
IN .....	2,550			1,700	2,640			1,730
IA .....	2,050			770	2,120			800
KS .....	680	1,080	640	400	690	1,100	650	400
KY .....	2,000			1,450	2,100			1,500
LA .....	1,160	1,070	1,180	1,160	1,200	1,100	1,230	1,200
ME .....								
MD .....	3,700			3,450	3,900			3,500
MA .....								
MI .....	2,100			1,180	2,300			1,250
MN .....	1,340			500	1,420			530
MS .....	1,040	1,120	1,020	1,060	1,080	1,170	1,060	1,100
MO .....	1,390	1,940	1,350	950	1,470	2,040	1,430	1,040
MT .....	502	1,500	360	255	510	1,530	365	260
NE .....	1,170	1,600	950	245	1,210	1,640	980	250
NV .....	2,000	2,000		270	2,000	2,000		270
NH .....								
NJ .....	8,100			9,100	8,700			960
NM .....	1,450	2,600	270	150	1,450	2,600	270	150
NY .....	1,240			620	1,300			700
NC .....	2,700			2,600	2,800			2,750
ND .....	430			165	440			170
OH .....	2,600			1,750	2,750			1,900
OK .....	581	780	570	435	620	800	610	460
OR .....	1,650	2,300	1,120	405	1,680	2,350	1,150	420
PA .....	3,260			2,000	3,400			2,100
RI .....								
SC .....	1,300			1,600	1,350			1,700
SD .....	555	780	550	200	605	850	600	210
TN .....	2,320			2,320	2,390			2,390
TX .....	801	880	780	610	833	920	810	640
UT .....	2,960	3,500	750	450	3,140	3,700	850	500
VT .....								
VA .....	2,300	3,400	680	2,200	2,450			2,350
WA .....	1,310			500	1,290	3,300	690	500
WV .....	1,700			960	1,820			1,020
WI .....	1,900	1,040	280	900	2,100			1,050
WY .....	866			180	907	1,090	290	200
Other States ..	4,770			4,030	5,120			4,330
US .....	1,580			558	1,650			586

<sup>1</sup>Other cropland States include CT, ME, MA, NH, RI, and VT. <sup>2</sup>Other pasture States include CT, DE, ME, MA, NH, RI, and VT.

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

**Table 9-16.—Cash rents, cropland and pasture: By States, 2001–2002**

State	2001				2002			
	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL	36.00			18.00	36.00			18.00
AZ		135.00				135.00		
AR	67.00	78.00	48.00		72.00	81.00	55.00	
CA		310.00		11.00		310.00		11.00
CO	65.00	100.00	22.00	4.80	68.00	95.00	21.00	4.00
CT								
DE	57.50				56.30			
FL			32.00	15.00			32.00	15.00
GA	55.00	103.00	38.00	23.00	55.0	103.00	39.00	23.00
ID	95.00	115.00	48.00		96.0	116.00	50.00	
IL	119.00			33.00	124.0			30.00
IN	100.00				101.0			
IA	117.00			30.00	120.0			29.70
KS	39.00	72.00	36.00	12.60	39.00	70.00	36.00	12.60
KY	72.00				68.00			
LA	62.00	74.00	56.00	16.00	62.00	73.00	57.00	16.00
ME								
MD	55.50				55.50			
MA								
MI	60.00				60.00			
MN	80.50			19.00	80.90			19.00
MS	62.00	79.00	54.00	16.00	60.00	79.00	52.00	18.00
MO			65.00	22.50			65.00	23.60
MT	24.50	46.00	18.00	4.50	24.00	46.50	18.50	5.00
NE	88.00	117.00	65.00	11.30	90.00	121.00	65.00	10.70
NV								
NH								
NJ	47.00				51.00			
NM				1.60				1.60
NY	33.00				35.00			
NC	48.00			22.00	51.00			21.50
ND	36.00			9.80	36.50			9.70
OH	76.50				76.50			
OK			27.00	8.30			27.00	8.50
OR	90.00	110.00			95.00	115.00		
PA	42.00			32.00	40.00			28.00
RI								
SC	27.50				28.50			
SD			40.00	11.00			42.00	10.80
TN	59.50			18.00	60.50			16.50
TX	27.00	53.00	21.00	7.20	27.00	51.00	21.00	7.20
UT		58.00		13.00		62.00		9.00
VT								
VA	36.50			16.50	36.00			16.00
WA		165.00				160.00		
WV	26.00				27.00			
WI	66.00			36.00	66.00			38.00
WY				3.50				3.80
48 Sts	71.00			9.20	71.50			9.20

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

**Table 9-17.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1992–2001<sup>1</sup>**

Item	1992	1993	1994	1995	1996
<b>ASSETS</b>					
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate .....	640.8	677.6	704.1	740.5	769.5
Non-real estate:					
Livestock <sup>2</sup> .....	71.0	72.8	67.9	57.8	60.3
Machinery and motor vehicles .....	84.8	85.4	86.8	87.6	88.8
Crops stored on and off farms <sup>3</sup> .....	24.2	23.3	23.3	27.4	31.7
Purchased inputs .....	3.9	3.8	5.0	3.4	4.4
Financial assets: <sup>4</sup>	43.1	46.3	47.6	49.1	49.0
Total <sup>5</sup> .....	867.8	909.2	934.7	965.7	1003.0
<b>CLAIMS</b>					
Liabilities:					
Real estate debt .....	75.4	76.0	77.7	79.3	81.7
Non-real estate debt to—					
Reporting institutions <sup>6</sup> .....	50.4	51.7	53.9	55.3	57.0
Nonreporting creditors <sup>7</sup> .....	13.2	14.2	15.2	16.2	17.4
Total liabilities <sup>5</sup> .....	139.1	142.0	146.8	150.8	156.1
Proprietors' equity .....	728.7	767.2	787.9	815.0	846.9
Total <sup>5</sup> .....	867.8	909.2	934.7	965.8	1003.0
<b>ASSETS</b>					
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate .....	808.2	840.4	889.1	949.4	998.7
Non-real estate:					
Livestock <sup>2</sup> .....	67.1	63.4	73.2	76.8	73.2
Machinery and motor vehicles .....	88.7	89.8	90.2	90.3	90.7
Crops stored on and off farms <sup>3</sup> .....	32.7	29.9	28.3	27.9	252.2
Purchased inputs .....	4.9	5.0	4.0	4.9	4.2
Financial assets: <sup>4</sup>	49.7	54.8	56.6	57.1	59.0
Total <sup>5</sup> .....	1051.3	1083.4	1141.1	1206.5	1251.0
<b>CLAIMS</b>					
Liabilities:					
Real estate debt .....	85.4	89.6	94.2	97.6	103.0
Non-real estate debt to—					
Reporting institutions <sup>6</sup> .....	61.2	63.6	61.9	65.2	67.4
Nonreporting creditors <sup>7</sup> .....	18.8	19.6	20.3	21.3	21.7
Total liabilities <sup>5</sup> .....	165.4	172.9	176.4	184.1	192.0
Proprietors' equity .....	885.9	910.5	964.7	1022.3	1059.0
Total <sup>5</sup> .....	1051.3	1083.4	1141.1	1206.4	1251.0

<sup>1</sup> Farms are defined as places with sales greater than \$1,000 annually. <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.

ERS, Farm Sector Performance and Well-Being Branch, (202) 694-5586.

**Table 9-18.—Farm labor: Number of workers on farms and average wage rates, United States, 1994–2003 <sup>1</sup>**

Year	Total workers	Self-employed and unpaid workers <sup>2</sup>	Ag service workers <sup>3</sup>	Hired workers <sup>3 4</sup>	Hired workers <sup>3 4</sup>
	Number	Number	Number	Number	Wage rates
1994.					
Jan .....	2,480	1,703	140	637	6.54
Apr .....	2,919	1,876	240	803	6.42
July .....	3,510	2,129	341	1,040	6.21
Oct .....	3,165	2,006	279	880	6.46
1995.					
Jan .....	2,460	1,691	140	629	6.73
Apr .....	2,857	1,821	214	822	6.49
July .....	3,672	2,258	348	1,066	6.44
Oct .....	3,383	2,127	302	954	6.58
Annual average .....		1,967.1	( <sup>5</sup> )	868.5	6.54
1996.					
Jan .....	2,462	1,749	115	598	6.89
Apr .....	2,906	1,919	207	780	6.76
July .....	( <sup>6</sup> )	( <sup>6</sup> )	331	1,015	6.55
Oct .....	( <sup>6</sup> )	( <sup>6</sup> )	291	935	6.97
Annual average .....		2,010	( <sup>5</sup> )	832	6.78
1997.					
Jan .....	( <sup>6</sup> )	( <sup>6</sup> )	131	624	7.20
Apr .....	( <sup>6</sup> )	( <sup>6</sup> )	207	808	7.03
July .....	( <sup>6</sup> )	( <sup>6</sup> )	340	1,069	6.88
Oct .....	( <sup>6</sup> )	( <sup>6</sup> )	283	1,004	7.31
Annual average .....		1,989.9	( <sup>5</sup> )	876.5	7.35
1998.					
Jan .....	( <sup>6</sup> )	( <sup>6</sup> )	141	661	7.61
Apr .....	( <sup>6</sup> )	( <sup>6</sup> )	202	803	7.49
July .....	( <sup>6</sup> )	( <sup>6</sup> )	379	1071	7.25
Oct .....	( <sup>6</sup> )	( <sup>6</sup> )	263	983	7.60
Annual average .....		1,946.6	( <sup>5</sup> )	879.5	7.47
1999.					
Jan .....	( <sup>6</sup> )	( <sup>6</sup> )	157	705	7.94
Apr .....	( <sup>6</sup> )	( <sup>6</sup> )	160	867	7.83
July .....	( <sup>6</sup> )	( <sup>6</sup> )	319	1,155	7.58
Oct .....	( <sup>6</sup> )	( <sup>6</sup> )	290	989	7.83
Annual average .....		2,048.4	( <sup>5</sup> )	929	7.77
2000.					
Jan .....		( <sup>6</sup> )	172	685	8.10
Apr .....		( <sup>6</sup> )	217	840	8.09
July .....		( <sup>6</sup> )	203	1,084	7.93
Oct .....		( <sup>6</sup> )	288	952	8.29
Annual average .....		2,062.3	( <sup>5</sup> )	890.3	8.10
2001.					
Jan .....		( <sup>6</sup> )	165	691	8.66
Apr .....		( <sup>6</sup> )	215	804	8.31
July .....		( <sup>6</sup> )	335	1,039	8.29
Oct .....		( <sup>6</sup> )	262	991	8.59
Annual average .....		2,049.8	( <sup>5</sup> )	873.3	8.45
2002.					
Jan .....		( <sup>6</sup> )	183	707	8.97
Apr .....		( <sup>6</sup> )	189	890	8.83
July .....		( <sup>6</sup> )	256	1,006	8.57
Oct .....		( <sup>6</sup> )	271	940	8.95
Annual average .....		( <sup>6</sup> )	( <sup>5</sup> )	884.5	8.80
2003.					
Jan .....		( <sup>6</sup> )	160	724	9.32

<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> Excludes agricultural service workers. <sup>5</sup> Annual average not computed. <sup>6</sup> Discontinued.

**Table 9-19.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions, 2002<sup>1 2</sup>**

State and region <sup>3</sup>	Workers on farms	Farm wage rates			
	Hired	Type of worker			
		Field	Livestock	Field and live-stock	All hired workers <sup>4</sup>
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>Jan. 6–12, 2002</i>					
Northeast I .....	33	9.58	7.80	8.69	9.46
Northeast II .....	33	8.71	6.88	7.95	8.87
Appalachian I .....	29	7.73	7.94	7.83	8.72
Appalachian II .....	25	6.72	7.18	6.93	7.29
Southeast .....	25	7.56	7.61	7.58	8.08
FL .....	62	8.15	8.55	8.20	8.97
Lake .....	38	10.22	8.26	8.94	9.91
Cornbelt I .....	30	9.03	9.22	9.15	9.75
Cornbelt II .....	24	8.62	9.41	9.26	9.74
Delta .....	24	7.90	7.21	7.61	7.95
N. Plains .....	28	8.34	8.41	8.39	9.00
S. Plains .....	61	7.82	7.37	7.57	8.05
Mountain I .....	18	8.02	7.74	7.81	8.34
Mountain II .....	17	8.54	8.48	8.51	9.15
Mountain III .....	18	7.57	8.48	7.85	8.42
Pacific .....	48	8.18	9.64	8.42	9.21
CA .....	186	8.25	9.69	8.36	9.22
HI .....	8	9.36	.....	9.33	10.90
US (49 States) .....	707	8.25	8.20	8.23	8.97
<i>Apr. 7–13, 2002</i>					
Northeast I .....	44	8.35	8.56	8.42	9.14
Northeast II .....	45	8.20	7.01	7.78	8.83
Appalachian I .....	36	7.42	8.60	7.86	8.45
Appalachian II .....	23	6.89	7.87	7.31	7.63
Southeast .....	44	7.28	8.29	7.42	7.94
FL .....	52	7.75	7.50	7.72	8.57
Lake .....	55	9.43	8.44	9.01	9.88
Cornbelt I .....	43	8.59	8.90	8.70	9.23
Cornbelt II .....	27	7.84	9.82	8.89	9.34
Delta .....	30	7.05	7.06	7.05	7.50
N. Plains .....	37	8.48	8.06	8.31	9.22
S. Plains .....	60	6.92	7.78	7.31	7.95
Mountain I .....	28	7.55	7.92	7.80	8.00
Mountain II .....	25	8.06	8.58	8.26	8.95
Mountain III .....	20	7.51	8.35	7.71	8.21
Pacific .....	69	8.18	9.45	8.33	9.10
CA .....	245	8.33	10.20	8.47	9.13
HI .....	7	9.40	.....	9.43	11.14
US (49 States) .....	890	8.06	8.43	8.15	8.83

See footnotes at end of table.

**Table 9-19.—Farm labor: Number of hired workers on farms and average wage rates, by States and regions<sup>1 2</sup>, 2002—Continued**

State and region <sup>3</sup>	Workers on farms	Farm wage rates			
	Hired	Type of worker			
		Field	Livestock	Field and live-stock	All hired workers <sup>4</sup>
	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 7-13, 2002</i>					
Northeast I .....	44	8.41	7.90	8.25	9.12
Northeast II .....	46	7.87	7.18	7.74	8.35
Appalachian I .....	60	7.61	7.91	7.68	8.32
Appalachian II .....	32	7.22	7.64	7.36	7.75
Southeast .....	34	7.11	8.90	7.50	8.01
FL .....	43	7.25	7.80	7.38	8.48
Lake .....	62	7.85	7.85	7.85	8.33
Cornbelt I .....	54	8.08	9.07	8.36	9.13
Cornbelt II .....	30	8.42	10.72	8.94	9.20
Delta .....	37	6.70	7.10	6.80	7.07
No. Plains .....	39	8.32	8.57	8.41	8.72
So. Plains .....	74	7.06	7.23	7.14	7.53
Mountain I .....	30	7.12	7.74	7.42	7.62
Mountain II .....	19	7.23	7.35	7.27	7.82
Mountain III .....	17	7.15	8.11	7.43	8.03
Pacific .....	98	8.32	10.65	8.86	9.36
CA .....	*280	*8.18	*9.65	*8.32	*8.87
HI .....	7	9.65	.....	9.67	11.29
US (49 States) .....	*1,006	*7.90	*8.38	8.02	*8.57
<i>October 6-12, 2002</i>					
Northeast I .....	50	9.16	7.70	8.76	9.36
Northeast II .....	41	8.61	8.17	8.51	9.29
Appalachian I .....	42	7.57	8.00	7.70	8.21
Appalachian II .....	36	7.13	7.46	7.21	7.50
Southeast .....	33	7.30	8.25	7.56	8.18
FL .....	57	7.50	8.60	7.72	8.67
Lake .....	64	9.28	9.11	9.21	9.73
Cornbelt I .....	42	8.49	8.89	8.54	8.90
Cornbelt II .....	25	8.69	8.30	8.59	8.81
Delta .....	38	7.12	7.72	7.27	7.77
No. Plains .....	34	9.01	9.03	9.02	9.32
So. Plains .....	58	7.05	7.32	7.18	7.57
Mountain I .....	30	7.84	7.95	7.89	8.13
Mountain II .....	16	8.31	8.79	8.50	8.79
Mountain III .....	19	7.07	8.24	7.42	8.25
Pacific .....	77	8.91	9.36	8.99	9.47
CA .....	*270	*8.60	*9.30	*8.68	*9.39
HI .....	8	9.25	.....	9.32	11.02
US (49 States) .....	*940	*8.34	*8.42	*8.36	*8.95

<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. \* Revised.

**Table 9-20.—Farm production and output: Index numbers of total output, and production of livestock, crops, and secondary output, by groups, United States, 1990–99**  
[1992=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>
1990 .....	0.900	0.901	0.920	0.955	0.761
1991 .....	0.906	0.920	0.929	0.955	0.794
1992 .....	0.956	0.946	0.947	0.977	0.833
1993 .....	0.911	0.957	0.952	0.976	0.869
1994 .....	1.018	1.007	1.007	0.996	0.912
1995 .....	0.965	1.022	1.029	1.008	0.947
1996 .....	1.000	1.000	1.000	1.000	1.000
1997 .....	1.044	1.034	1.033	1.014	1.022
1998 .....	1.045	1.044	1.035	1.022	1.041
1999 .....	1.065	1.076	1.066	1.058	1.087

Year	Crops				
	All crops	Cereal crops	Forage crops	Industrial crops <sup>5</sup>	Vegetables and Horticulture crops
1990 .....	0.894	0.940	0.991	0.850	0.823
1991 .....	0.885	0.834	1.019	0.992	0.848
1992 .....	0.964	1.047	0.994	0.939	0.869
1993 .....	0.868	0.791	0.981	0.849	0.909
1994 .....	1.031	1.057	1.011	1.056	1.001
1995 .....	0.920	0.833	1.014	0.932	0.961
1996 .....	1.000	1.000	1.000	1.000	1.000
1997 .....	1.043	1.005	1.040	1.104	1.015
1998 .....	1.031	1.044	1.031	1.044	1.021
1999 .....	1.035	1.003	1.076	1.034	1.061

Year	Crops	
	Fruits and nuts	Secondary output <sup>6</sup>
1990 .....		0.915
1991 .....		0.907
1992 .....		0.959
1993 .....		1.016
1994 .....		1.071
1995 .....		0.996
1996 .....		1.000
1997 .....		1.184
1998 .....		1.037
1999 .....		1.129

<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> Includes soybeans, peanuts harvested for nuts, sunflower seed, flaxseed, cottonseed, cotton lint, tobacco, sugar crops, forest products, legumes and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber. <sup>6</sup> These activities are defined as activities closely linked to agriculture for which information on production and input use cannot be separately observed.

ERS, Resources, Technology and Production Branch (202) 694-5601.



**Table 9-21.—Hired farmworkers: Number of Workers and Median Weekly Earnings, 2000–2002<sup>1</sup>**

Characteristics	Workers			Median Weekly Earnings <sup>2</sup>		
	2000	2001	2002 <sup>3</sup>	2000	2001	2002 <sup>3</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
All workers .....	878	745	.....	280	300	.....
15–19 years old .....	123	109	.....	140	132	.....
20–24 years old .....	104	87	.....	280	280	.....
25–34 years old .....	204	171	.....	313	313	.....
35–44 years old .....	208	189	.....	300	342	.....
45–54 years old .....	127	108	.....	350	345	.....
55 years old and older .....	111	81	.....	270	360	.....
Male .....	720	601	.....	300	320	.....
Female .....	158	144	.....	246	248	.....
White <sup>4</sup> .....	414	366	.....	320	320	.....
Black and other races <sup>4</sup> .....	56	38	.....	270	314	.....
Hispanic .....	408	341	.....	280	300	.....
Schooling completed						
Less than 5th grade .....	117	79	.....	260	300	.....
5th–8th grade .....	185	158	.....	276	280	.....
9th–12th grade (no diploma) .....	186	174	.....	238	250	.....
High school diploma .....	226	203	.....	338	346	.....
Beyond high school .....	164	131	.....	385	400	.....
Full-time (35 or more hours per week) .....	709	601	.....	319	345	.....
Part-time (less than 35 hours per week) .....	169	144	.....	120	130	.....

<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> "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>3</sup> Preliminary. <sup>4</sup> Excludes persons of Hispanic origin.

ERS, Food Assistance, and Rural Economy Branch, (202) 694–5438.

**Table 9-22.—Crops: Area, United States, 1993–2002**

Year	Principal crops				Commercial vegetables, harvested area <sup>5</sup>	Fruits and nuts, bearing area <sup>6</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>
1993 .....	82,405	65,926	295,503	319,518	3,260.2	3,677.0
1994 .....	92,071	65,493	307,905	323,699	3,484.9	3,748.4
1995 .....	82,694	64,433	301,349	318,289	3,432.3	3,825.6
1996 .....	93,817	65,968	313,202	333,682	3,371.8	3,919.2
1997 .....	90,840	66,259	317,662	332,072	3,270.3	4,004.2
1998 .....	88,931	62,677	311,485	329,983	3,303.6	4,024.9
1999 .....	86,218	57,718	312,222	329,556	3,419.9	4,068.7
2000 <sup>4</sup> .....	87,708	56,468	307,519	328,325	3,509.6	4,086.0
2001 <sup>4</sup> .....	83,586	52,202	303,777	324,830	3,371.3	4,069.9
2002 <sup>5</sup> .....	82,845	49,310	299,855	327,883	3,283.2	3,993.7

<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> For the 2000 crop year many changes occurred to the National Vegetable Estimation Program. Nine new commodities were added to the program. Additionally, States were added or dropped from the seasonal program. Some States were discontinued for the seasonal forecasts but remained in the program on an annual basis. When comparing 2001 and 2000 data to 1999 data, comparable States should be used. <sup>5</sup> For the 2002 crop year, many changes occurred to the National Vegetable Estimation Program. Ten fresh market commodities and two processing commodities were removed from the program. States were removed from the program for certain commodities. When comparing 2000 and 2001 data to 2002 data, comparable States should be used. If you need assistance with these comparisons, please contact Biz Wallingsford at (202) 720-2157. For details on the 2002 program changes see the following website: <http://www.usda.gov/nass/events/programchg/vegprogchngs.htm>. <sup>6</sup> Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, Temples, grapefruit, lemons, limes, tangelos, and K-Early Citrus (area is for the year of harvest); deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit, olives, avocados, papayas, dates, berries, guavas, cranberries, pineapples and strawberries; nuts—almonds, hazelnuts, macadamias, pistachios, and walnuts.

NASS, Crops Branch, (202) 720–2127.

Table 9-23.—Crops: Area, yield, production, and value, United States, 2001–2002

Crop	Area harvested		Yield per harvested acre		
	2001	2002 <sup>1</sup>	Unit	2001	2002 <sup>1</sup>
	1,000 acres	1,000 acres			
<b>Grains &amp; Hay:</b>					
Barley <sup>2</sup> .....	4,289.0	4,135.0	Bushel ....	58.2	54.9
Corn for Grain .....	68,808.0	69,313.0	Bushel ....	138.2	130.0
Corn for Silage .....	6,148.0	7,490.0	Ton .....	16.6	14.0
Hay, All .....	63,521.0	64,497.0	Ton .....	2.47	2.34
Alfalfa .....	23,822.0	23,135.0	Ton .....	3.37	3.19
All Other .....	39,699.0	41,362.0	Ton .....	1.93	1.86
Oats <sup>2</sup> .....	1,905.0	2,098.0	Bushel ....	61.4	56.8
Proso Millet .....	585.0	220.0	Bushel ....	33.2	12.5
Rice .....	3,314.0	3,207.0	Pound ....	6,496	6,578
Rye <sup>2</sup> .....	255.0	286.0	Bushel ....	27.3	24.4
Sorghum for Grain .....	8,584.0	7,299.0	Bushel ....	59.9	50.7
Sorghum for Silage .....	336.0	352.0	Ton .....	11.1	9.5
Wheat, All <sup>2</sup> .....	48,633.0	45,817.0	Bushel ....	40.2	35.3
Winter <sup>2</sup> .....	31,295.0	29,651.0	Bushel ....	43.5	38.5
Durum .....	2,789.0	2,703.0	Bushel ....	30.0	29.4
Other Spring .....	14,549.0	13,463.0	Bushel ....	35.2	29.3
<b>Oilseeds:</b>					
Canola .....	1,455.0	1,275.0	Pound ....	1,374	1,218
Cottonseed .....	578.0	704.0	Bushel ....	19.8	17.9
Flaxseed .....	44.2	175.0	Pound ....	930	705
Mustard Seed .....	1,411.9	1,296.7	Pound ....	3,029	2,561
Peanuts .....	3.1	3.1	Pound ....	1,306	1,461
Rapeseed .....	177.0	196.0	Pound ....	1,365	1,520
Soybeans for Beans .....	72,975.0	72,160.0	Bushel ....	39.6	37.8
Sunflower .....	2,555.0	2,205.0	Pound ....	1,338	1,133
<b>Cotton, Tobacco &amp; Sugar Crops:</b>					
Cotton, All .....	13,827.7	12,413.3	Pound ....	705	663
Upland .....	13,559.5	12,171.0	Pound ....	694	651
Amer-Pima .....	268.2	242.3	Pound ....	1,254	1,286
Sugarbeets .....	1,243.4	1,361.0	Ton .....	20.7	20.2
Sugarcane .....	1,027.8	1,026.1	Ton .....	33.7	35.0
Tobacco .....	432.3	430.3	Pound ....	2,293	2,068
<b>Dry Beans, Peas &amp; Lentils:</b>					
Austrian Winter Peas .....	7.1	11.6	Pound ....	1,366	1,414
Dry Edible Beans .....	1,248.5	1,726.9	Pound ....	1,569	1,736
Dry Edible Peas .....	192.3	279.7	Pound ....	1,957	1,517
Lentils .....	197.0	209.0	Pound ....	1,471	1,200
Wrinkled Seed Peas .....			NA .....		
<b>Potatoes &amp; Misc.:</b>					
Coffee (HI) .....	6.3	6.2	Pound ....	1,270	1,370
Ginger Root (HI) .....	0.4	0.3	Pound ....	50,000	45,000
Hops .....	35.9	29.3	Pound ....	1,861	1,990
Maple syrup .....			NA .....		
Mushrooms .....			NA .....		
Peppermint Oil .....	78.5	80.2	Pound ....	81	85
Potatoes, All .....	1,222.2	1,276.5	Cwt .....	358	363
Winter .....	14.0	15.7	Cwt .....	294	268
Spring .....	76.2	86.1	Cwt .....	286	271
Summer .....	58.8	59.9	Cwt .....	310	309
Fall .....	1,073.2	1,114.8	Cwt .....	367	374
Spearmint Oil .....	19.5	18.0	Pound ....	105	108
Sweet Potatoes .....	94.4	83.3	Cwt .....	155	150
Taro (HI) .....	0.4	0.4	Pound ....		

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 2001–2002—  
Continued**

Crop	Production			Value of production	
	Unit	2001	2002 <sup>1</sup>	2001	2002 <sup>1</sup>
		<i>Thou- sands</i>	<i>Thou- sands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
<b>Grains &amp; Hay:</b>					
Barley <sup>2</sup> .....	Bushel ....	249,420	226,873	536,582	596,759
Corn for Grain .....	Bushel ....	9,506,840	9,007,659	18,888,389	21,213,159
Corn for Silage .....	Ton .....	102,077	104,979	.....	.....
Hay, All .....	Ton .....	156,764	150,962	12,602,534	12,432,729
Alfalfa .....	Ton .....	80,327	73,824	7,524,869	7,172,182
All Other .....	Ton .....	76,437	77,138	5,077,665	5,260,547
Oats <sup>2</sup> .....	Bushel ....	117,024	119,132	195,711	211,849
Proso Millet .....	Bushel ....	19,405	2,755	39,109	20,266
Rice .....	Cwt .....	215,270	210,960	925,055	840,727
Rye <sup>2</sup> .....	Bushel ....	6,971	6,985	20,422	23,717
Sorghum for Grain .....	Bushel ....	514,524	369,758	979,794	883,690
Sorghum for Silage .....	Ton .....	3,728	3,360	.....	.....
Wheat, All <sup>2</sup> .....	Bushel ....	1,957,043	1,616,441	5,440,217	5,863,378
Winter <sup>2</sup> .....	Bushel ....	1,361,479	1,142,802	3,684,817	3,939,217
Durum .....	Bushel ....	83,556	79,450	269,391	331,183
Other Spring .....	Bushel ....	512,008	394,189	1,486,009	1,592,978
<b>Oilseeds:</b>					
Canola .....	Pound ....	1,998,515	1,552,520	175,351	164,598
Cottonseed .....	Ton .....	7,452.2	6,419.3	667,348	638,115
Flaxseed .....	Bushel ....	11,455	12,569	49,004	72,944
Mustard Seed .....	Pound ....	41,106	123,450	4,976	18,783
Peanuts .....	Pound ....	4,276,704	3,320,490	1,000,512	594,426
Rapeseed .....	Pound ....	4,050	4,530	437	440
Safflower .....	Pound ....	241,665	297,980	26,340	36,723
Soybeans for Beans .....	Bushel ....	2,890,682	2,729,709	12,605,717	14,755,470
Sunflower .....	Pound ....	3,418,759	2,497,236	325,950	317,244
<b>Cotton, Tobacco &amp; Sugar Crops:</b>					
Cotton, All .....	Bale .....	20,302.8	17,145.0	3,121,848	3,593,816
Upland .....	Bale .....	19,602.4	16,496.0	2,833,913	3,330,223
Amer-Pima .....	Bale .....	700.4	649.0	287,935	263,593
Sugarbeets .....	Ton .....	25,764	27,550	1,025,306	.....
Sugarcane .....	Ton .....	34,587	35,932	1,003,046	.....
Tobacco .....	Pound ....	991,552	889,632	1,952,120	1,726,013
<b>Dry Beans, Peas &amp; Lentils:</b>					
Austrian Winter Peas .....	Cwt .....	97	164	1,067	1,597
Dry Edible Beans .....	Cwt .....	19,583	29,974	426,475	519,609
Dry Edible Peas .....	Cwt .....	3,763	4,242	20,765	30,263
Lentils .....	Cwt .....	2,898	2,508	27,714	30,339
Wrinkled Seed Peas .....	Cwt .....	640	457	8,862	6,165
<b>Potatoes &amp; Misc.:</b>					
Coffee (HI) .....	Pound ....	8,000	8,500	19,600	19,550
Ginger Root (HI) .....	Pound ....	18,000	14,400	8,100	4,320
Hops .....	Pound ....	66,832.1	58,336.6	123,843	113,413
Maple syrup <sup>3</sup> .....	Gallons ..	.....	.....	30,116	.....
Mushrooms .....	Pound ....	860,093	851,211	867,737	911,509
Peppermint Oil .....	Pound ....	6,343	6,818	68,964	79,030
Potatoes, All .....	Cwt .....	437,888	463,214	3,057,573	3,151,178
Spearment Oil .....	Pound ....	2,052	1,942	18,645	17,696
Sweet Potatoes .....	Cwt .....	14,637	12,498	224,795	213,020
Taro (HI) .....	Pound ....	6,400	6,100	3,392	3,294

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 2001–2002—Continued**

Crop	Area harvested <sup>4</sup>		Yield per harvested acre <sup>5</sup>		
	2001	2002 <sup>1</sup>	Unit	2001	2002 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>			
Apples, commercial crop .....	416,550	404,950	Ton .....	11.30	10.60
Apricots .....	19,430	18,430	Ton .....	4.24	4.89
Avocados <sup>6</sup> .....	64,130	.....	Ton .....	3.45	.....
Bananas .....	1,490	1,250	Ton .....	9.40	7.60
Blackberries (OR) .....	6,160	5,980	Ton .....	3.38	3.53
Blueberries .....	.....	.....	Ton .....	.....	.....
Cultivated .....	39,880	40,980	Ton .....	2.37	2.30
Wild (ME) .....	.....	.....	Ton .....	.....	.....
Boysenberries .....	1,610	1,590	Ton .....	1.87	1.47
Loganberries (OR) .....	70	60	Ton .....	0.79	2.17
Raspberries .....	.....	.....	Ton .....	.....	.....
Black (OR) .....	1,200	1,100	Ton .....	1.59	1.24
Red .....	12,200	12,000	Ton .....	3.73	3.58
All (CA) .....	2,300	2,400	Ton .....	5.40	5.95
Cherries, sweet .....	68,270	73,220	Ton .....	3.37	2.46
Cherries, tart .....	38,540	36,900	Ton .....	4.80	0.85
Cranberries .....	34,200	36,400	Ton .....	7.79	7.75
Dates (CA) .....	4,500	4,300	Ton .....	4.38	4.53
Figs (CA) .....	14,000	12,900	Ton .....	2.86	3.80
Grapes .....	930,420	953,850	Ton .....	7.06	7.49
Guava (HI) .....	610	.....	Ton .....	12.60	.....
Kiwifruit (CA) .....	4,900	4,500	Ton .....	5.27	5.58
Nectarines (CA) .....	36,500	36,500	Ton .....	7.53	8.19
Olives (CA) .....	36,000	36,000	Ton .....	3.72	2.75
Papayas (HI) .....	1,950	1,700	Ton .....	14.10	13.40
Peaches .....	151,650	153,420	Ton .....	8.00	8.40
Pears .....	64,030	63,515	Ton .....	15.60	14.40
Pineapples (HI) .....	20,100	19,100	Ton .....	.....	.....
Plums (CA) .....	37,000	36,000	Ton .....	5.68	5.56
Prunes, dried (CA) .....	86,000	73,000	Ton .....	4.88	6.49
Prunes and plums, fresh basis (excluding CA) .....	4,210	4,110	Ton .....	5.04	3.86
Strawberries .....	46,000	47,600	Ton .....	18.00	20.70
Oranges <sup>7</sup> .....	814,800	796,700	Ton .....	15.0	15.7
Grapefruit <sup>7</sup> .....	145,200	138,300	Ton .....	17.0	17.5
Lemons <sup>7</sup> .....	64,300	64,300	Ton .....	15.5	12.9
Limes <sup>7</sup> (FL) .....	1,200	800	Ton .....	9.17	8.75
Tangerines <sup>7</sup> .....	39,900	38,600	Ton .....	9.35	10.9
Tangelos <sup>7</sup> (FL) .....	10,800	9,700	Ton .....	8.80	10.0
Temple <sup>7</sup> (FL) .....	5,500	4,700	Ton .....	10.2	14.9
K-Early Citrus <sup>7</sup> (FL) .....	200	200	Ton .....	10.0	5.0
Almonds <sup>8</sup> (CA) .....	525,000	530,000	Ton .....	1.28	1.62
Hazelnuts (filberts) <sup>8</sup> .....	28,100	27,800	Ton .....	1.76	0.65
Macadamia nuts <sup>8</sup> (HI) .....	17,800	17,800	Ton .....	1.58	1.46
Pecans <sup>9</sup> .....	.....	.....	Ton .....	.....	.....
Pistachios <sup>8</sup> (CA) .....	78,000	83,000	Ton .....	1.03	1.80
Walnuts <sup>8</sup> (CA) .....	196,000	200,000	Ton .....	1.56	1.41

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 2001–2002—Continued**

Crop	Total production			Value of production	
	Unit	2001	2002 <sup>1</sup>	2001	2002 <sup>1</sup>
		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
Apples, commercial crop .....	Ton .....	4,714.4	4,296.1	1,448,348	1,622,135
Apricots .....	Ton .....	82.5	90.1	26,598	28,326
Avocados <sup>6</sup> .....	Ton .....	221.3	.....	362,390	.....
Bananas <sup>10</sup> .....	Ton .....	14.0	9.5	10,640	7,980
Blackberries (OR) .....	Ton .....	21.8	21.9	17,267	18,296
Blueberries .....	Ton .....	.....	.....	.....	.....
Cultivated .....	Ton .....	96.6	95.9	163,763	193,787
Wild (ME) .....	Ton .....	37.6	31.2	22,945	15,920
Boysenberries .....	Ton .....	3.0	2.4	4,133	3,142
Loganberries (OR) .....	Ton .....	0.1	0.1	50	145
Raspberries .....	Ton .....	.....	.....	.....	.....
Black (OR) .....	Ton .....	2.0	1.4	1,724	1,119
Red .....	Ton .....	46.0	42.9	45,940	45,359
All (CA) .....	Ton .....	12.4	14.3	41,168	40,005
Cherries, sweet .....	Ton .....	230.4	180.2	270,914	273,694
Cherries, tart .....	Ton .....	185.0	31.3	57,150	27,879
Cranberries .....	Ton .....	266.5	282.1	110,342	154,255
Dates (CA) .....	Ton .....	19.7	19.5	26,004	30,810
Figs (CA) .....	Ton .....	40.1	49.0	14,849	16,907
Grapes .....	Ton .....	6,569.6	7,144.0	2,929,038	2,912,742
Guava <sup>10</sup> (HI) .....	Ton .....	7.7	.....	2,157	.....
Kiwifruit (CA) .....	Ton .....	25.8	25.1	15,340	.....
Nectarines (CA) .....	Ton .....	275.0	299.0	127,642	114,517
Olives (CA) .....	Ton .....	134.0	99.0	90,096	58,562
Papayas <sup>10</sup> (HI) .....	Ton .....	27.5	22.8	14,598	11,778
Peaches .....	Ton .....	1,216.6	1,287.7	493,298	507,089
Pears .....	Ton .....	1,001.8	911.5	271,788	297,410
Pineapples <sup>10</sup> (HI) .....	Ton .....	323.0	320.0	96,337	100,616
Plums (CA) .....	Ton .....	210.0	200.0	64,362	77,200
Prunes, dried (CA) .....	Ton .....	420.0	474.0	97,605	120,690
Prunes and plums, fresh basis (excluding CA) .....	Ton .....	21.2	15.9	5,459	4,271
Strawberries <sup>10</sup> .....	Ton .....	826.2	985.1	1,070,052	1,220,504
Oranges <sup>7</sup> .....	Ton .....	12,221	12,543	1,682,790	1,834,028
Grapefruit <sup>7</sup> .....	Ton .....	2,462	2,427	285,065	285,546
Lemons <sup>7</sup> .....	Ton .....	996	828	237,362	341,174
Limes <sup>7</sup> .....	Ton .....	11	7	4,249	1,732
Tangerines <sup>7</sup> .....	Ton .....	373	419	96,789	124,789
Tangelos <sup>7</sup> .....	Ton .....	95	97	8,193	10,967
Templets <sup>7</sup> .....	Ton .....	56	70	5,282	7,054
K-Early Citrus <sup>7</sup> .....	Ton .....	2	1	187	115
Almonds <sup>10</sup> (CA) .....	Ton .....	671.5	857.6	740,012	1,049,188
Hazelnuts (filberts) <sup>10</sup> .....	Ton .....	49.5	18.0	34,700	18,009
Macadamia nuts <sup>10</sup> (HI) .....	Ton .....	28.0	26.0	33,040	28,600
Pecans <sup>10</sup> .....	Ton .....	169.3	89.2	201,101	169,299
Pistachios <sup>10</sup> (CA) .....	Ton .....	80.5	150.0	162,610	333,000
Walnuts <sup>10</sup> (CA) .....	Ton .....	305.0	282.0	341,600	.....

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 2001–2002—Continued**

Crop	Area harvested		Yield per harvested acre		
	2001	2002 <sup>1</sup>	Unit	2001	2002 <sup>1</sup>
	Acres	Acres			
<b>Commercial Vegetables:</b>					
<b>Fresh Market</b>					
Artichokes <sup>12</sup> .....	8,000	8,200	Cwt .....	125	115
Asparagus <sup>12</sup> .....	70,150	66,000	Cwt .....	30	28
Beans, lima <sup>13</sup> .....	7,090	.....	Cwt .....	28	.....
Beans, snap .....	95,900	100,000	Cwt .....	64	60
Broccoli <sup>12</sup> .....	133,000	126,000	Cwt .....	145	139
Brussel sprouts <sup>11 13</sup> .....	2,200	.....	Cwt .....	180	.....
Cabbage .....	79,240	77,080	Cwt .....	329	317
Cantaloups .....	96,130	93,900	Cwt .....	236	245
Carrots .....	101,760	97,400	Cwt .....	309	298
Cauliflower <sup>12</sup> .....	44,050	42,400	Cwt .....	159	152
Celery <sup>12</sup> .....	27,800	27,100	Cwt .....	678	691
Corn, sweet .....	251,600	248,800	Cwt .....	109	106
Cucumbers .....	54,400	55,500	Cwt .....	198	205
Eggplant <sup>13</sup> .....	5,300	.....	Cwt .....	255	.....
Escarole/endive <sup>13</sup> .....	5,170	.....	Cwt .....	180	.....
Garlic <sup>12</sup> .....	35,200	32,800	Cwt .....	167	172
Honeydew melons .....	24,200	24,600	Cwt .....	189	206
Lettuce, head .....	184,300	184,400	Cwt .....	382	367
Lettuce, leaf .....	52,500	54,800	Cwt .....	225	226
Lettuce, Romaine .....	54,600	54,500	Cwt .....	284	290
Onions <sup>12</sup> .....	161,590	160,220	Cwt .....	419	420
Peppers, bell <sup>12</sup> .....	56,020	55,800	Cwt .....	287	290
Spinach .....	28,650	30,900	Cwt .....	129	156
Tomatoes .....	124,250	124,900	Cwt .....	286	299
Watermelons .....	160,820	149,900	Cwt .....	253	262
<b>Greens:<sup>12 13</sup></b>					
Collards .....	14,100	.....	Cwt .....	119	.....
Kale .....	4,110	.....	Cwt .....	185	.....
Mustard .....	9,360	.....	Cwt .....	128	.....
Turnip .....	10,500	.....	Cwt .....	107	.....
Okra <sup>12 13</sup> .....	3,020	.....	Cwt .....	60	.....
Peppers, Chile <sup>12</sup> .....	30,550	28,300	Cwt .....	93	103
Pumpkins <sup>12</sup> .....	35,600	37,600	Cwt .....	228	210
Radishes <sup>13</sup> .....	14,300	.....	Cwt .....	87	.....
Squash <sup>12</sup> .....	52,200	53,100	Cwt .....	150	163
<b>Processing:</b>					
Beans, lima .....	51,200	48,500	Ton .....	1.31	1.30
Beans, snap .....	195,480	210,100	Ton .....	3.56	3.96
Beets <sup>13</sup> .....	6,650	.....	Ton .....	16.72	.....
Cabbage for sauerkraut <sup>13</sup> .....	6,950	.....	Ton .....	25.09	.....
Carrots .....	18,680	15,400	Ton .....	24.21	25.69
Corn, sweet .....	446,450	419,900	Ton .....	7.04	7.35
Cucumbers for pickles .....	108,260	118,900	Ton .....	5.37	5.19
Peas, green .....	211,140	211,300	Ton .....	1.85	1.64
Spinach .....	13,940	13,120	Ton .....	9.12	9.24
Tomatoes .....	274,860	311,800	Ton .....	33.65	37.39

See footnotes at end of table.

**Table 9-23.—Crops: Area, yield, production, and value, United States, 2001–2002—Continued**

Crop	Production			Value of production	
	Unit	2001	2002 <sup>1</sup>	2001	2002 <sup>1</sup>
		<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>
<b>Commercial Vegetables:</b>					
<b>Fresh Market</b>					
Artichokes <sup>12</sup> .....	Cwt .....	1,000	943	58,559	66,764
Asparagus <sup>12</sup> .....	Cwt .....	2,078	1,868	228,925	172,876
Beans, lima <sup>13</sup> .....	Cwt .....	202	.....	5,861	.....
Beans, snap .....	Cwt .....	6,155	5,958	277,611	282,163
Broccoli <sup>12</sup> .....	Cwt .....	19,280	17,475	500,987	551,280
Brussel sprouts <sup>12 13</sup> .....	Cwt .....	396	.....	14,471	.....
Cabbage .....	Cwt .....	26,069	24,415	340,241	301,482
Cantaloups .....	Cwt .....	22,718	23,046	431,381	404,685
Carrots .....	Cwt .....	31,464	29,027	541,859	551,433
Cauliflower <sup>12</sup> .....	Cwt .....	7,018	6,428	199,044	207,629
Celery <sup>12</sup> .....	Cwt .....	18,856	18,737	272,391	241,571
Corn, sweet .....	Cwt .....	27,383	26,430	534,586	531,159
Cucumbers .....	Cwt .....	10,756	11,379	210,609	214,318
Eggplant <sup>13</sup> .....	Cwt .....	1,354	.....	36,599	.....
Escarole/endive <sup>13</sup> .....	Cwt .....	933	.....	27,538	.....
Garlic <sup>12</sup> .....	Cwt .....	5,877	5,650	173,020	153,763
Honeydew melons .....	Cwt .....	4,576	5,059	96,663	90,546
Lettuce, head .....	Cwt .....	70,350	67,726	1,258,418	1,456,472
Lettuce, leaf .....	Cwt .....	11,824	12,362	324,328	408,943
Lettuce, Romaine .....	Cwt .....	15,487	15,828	298,284	395,770
Onions <sup>12</sup> .....	Cwt .....	67,653	67,365	697,950	715,979
Peppers, bell <sup>12</sup> .....	Cwt .....	16,062	16,168	458,750	498,650
Spinach .....	Cwt .....	3,709	4,810	120,371	165,764
Tomatoes .....	Cwt .....	35,527	37,302	1,080,166	1,170,922
Watermelons .....	Cwt .....	40,648	39,204	275,035	328,550
<b>Greens:<sup>12 13</sup></b>					
Collards .....	Cwt .....	1,683	.....	36,392	.....
Kale .....	Cwt .....	762	.....	20,048	.....
Mustard .....	Cwt .....	1,196	.....	35,190	.....
Turnip .....	Cwt .....	1,124	.....	19,758	.....
Okra <sup>12 13</sup> .....	Cwt .....	181	.....	8,339	.....
Peppers, Chile <sup>12</sup> .....	Cwt .....	2,839	2,909	89,384	84,153
Pumpkins <sup>12</sup> .....	Cwt .....	8,108	7,907	70,912	82,744
Radishes <sup>13</sup> .....	Cwt .....	1,244	.....	50,034	.....
Squash <sup>12</sup> .....	Cwt .....	7,805	8,631	173,753	204,288
<b>Processing:</b>					
Beans, lima .....	Ton .....	67,160	63,220	30,854	27,167
Beans, snap .....	Ton .....	695,190	831,260	112,137	126,761
Beets <sup>13</sup> .....	Ton .....	111,180	.....	7,317	.....
Cabbage for sauerkraut <sup>13</sup> .....	Ton .....	174,360	.....	8,499	.....
Carrots .....	Ton .....	452,240	395,700	33,685	27,717
Corn, sweet .....	Ton .....	3,142,840	3,084,290	229,204	210,335
Cucumbers for pickles .....	Ton .....	581,540	617,300	168,958	171,016
Peas, green .....	Ton .....	390,220	347,090	103,207	87,494
Spinach .....	Ton .....	127,100	121,250	14,698	13,319
Tomatoes .....	Ton .....	9,248,720	11,656,820	547,473	683,083

<sup>1</sup> Preliminary. <sup>2</sup> Includes area seeded in preceding fall. <sup>3</sup> Value for 2002 is not available. <sup>4</sup> Bearing acreage for citrus and noncitrus fruits and nuts. <sup>5</sup> Yield per bearing acreage for citrus and noncitrus fruits and nuts. <sup>6</sup> Year of bloom. <sup>7</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>8</sup> Yield derived from the in-shell basis. <sup>9</sup> Bearing acreage and yield not calculated. <sup>10</sup> Utilized production. <sup>11</sup> Equivalent packinghouse-door returns. <sup>12</sup> Includes processing total for dual usage crops. <sup>13</sup> Estimates discontinued for 2002.

**Table 9-24.—Total farm input: Index numbers of farm input, by major subgroups, United States, 1990–99**  
[1992=100]

Year	Total input	Farm labor	Capital	Land	Energy	Agricultural chemicals <sup>1</sup>	Feed, seed, and livestock purchases <sup>2</sup>	Other purchased inputs <sup>3</sup>
1990 .....	1.016	1.046	1.132	1.028	0.940	0.949	1.014	0.894
1991 .....	1.022	1.078	1.121	1.021	0.944	0.963	1.006	0.915
1992 .....	1.001	1.018	1.092	1.016	0.936	0.978	1.009	0.872
1993 .....	1.004	0.978	1.071	1.011	0.939	0.944	1.026	0.981
1994 .....	1.013	0.990	1.038	1.007	0.967	1.008	1.033	1.010
1995 .....	1.035	1.027	1.029	1.003	1.015	0.923	1.086	1.071
1996 .....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1997 .....	1.029	1.006	0.996	0.997	1.022	1.085	1.053	1.061
1998 .....	1.034	0.978	0.988	0.994	1.037	1.047	1.114	1.077
1999 .....	1.059	1.008	0.984	0.990	1.054	1.038	1.173	1.106

<sup>1</sup> Includes fertilizer, lime, and pesticide. <sup>2</sup> Includes broilers- 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.

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**Table 9-25.—Livestock and livestock products: Production and value, United States, 1999–2001**

Product	Production <sup>1</sup>			Value of production		
	1999	2000	2001 <sup>2</sup>	1999	2000	2001 <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 .....	42,468,398	42,841,607	42,365,499	26,051,477	28,391,942	29,267,264
Sheep and lambs .....	533,610	508,935	498,763	348,742	361,231	299,998
Hogs .....	25,790,623	25,730,208	25,936,846	7,766,241	10,817,518	11,442,171
Broilers <sup>3</sup> .....	40,829,800	41,623,100	42,445,900	15,128,840	13,988,434	16,693,569
Mature chickens .....	1,034,072	1,111,717	1,016,747	73,150	63,925	46,027
Turkeys .....	6,886,406	6,942,809	7,154,781	2,809,874	2,822,736	2,790,317
Milk .....	162,716,000	167,559,000	165,336,000	23,400,050	20,770,589	24,886,929
Wool (shorn) .....	46,592	46,446	43,016	17,860	15,377	15,311
Mohair <sup>4</sup> .....	2,896	2,628	1,970	10,016	10,609	4,200
Catfish <sup>5</sup> .....	.....	.....	.....	489,291	501,400	443,681
Trout <sup>6</sup> .....	.....	.....	.....	76,506	75,373	76,241
Honey .....	205,250	220,339	185,461	126,075	132,742	132,225
Eggs .....	<i>Millions</i> 82,715	<i>Millions</i> 84,386	<i>Millions</i> 85,702	4,287,164	4,345,382	4,444,864

<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. Estimates for broilers and eggs cover the 12-month period Dec. 1, previous year through Nov. 30. <sup>2</sup> Preliminary, except for wool shorn and mohair. <sup>3</sup> Young chickens of meat-type strains raised for meat production. <sup>4</sup> AZ, NM, and TX. <sup>5</sup> Value of fish sold. <sup>6</sup> Value of fish and eggs sold.

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**Table 9-26.—Agricultural productivity: Index numbers (1996=100) of farm output per unit of input, United States, 1990–99**

Year	Productivity <sup>1</sup>
1990 .....	0.886
1991 .....	0.887
1992 .....	0.955
1993 .....	0.908
1994 .....	1.005
1995 .....	0.932
1996 .....	1.000
1997 .....	1.015
1998 .....	1.011
1999 .....	1.006

<sup>1</sup> Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 9–25 by the index of total input in table 9–26.

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**Table 9-27.—U.S. farm foods: Marketing bill, farm value, and consumer expenditures, 1992–2001<sup>1</sup>**

Year	Total marketing bill	Farm value	Expenditures for farm foods
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1992 .....	369.4	105.1	474.5
1993 .....	379.6	109.6	489.2
1994 .....	402.6	109.6	512.2
1995 .....	415.7	113.8	529.5
1996 .....	424.5	122.2	546.7
1997 .....	444.6	121.9	566.5
1998 .....	465.4	119.6	585.0
1999 .....	503.1	122.2	625.3
2000 .....	537.8	123.3	661.1
2001 <sup>2</sup> .....	557.5	130.0	687.5

<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.

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**Table 9-28.—Farm food products: Marketing costs, United States, 1992–2001**

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>
1992 .....	168.4	40.1	20.6	16.7	15.7	107.9	369.4
1993 .....	178.0	40.9	21.2	17.2	18.1	104.2	379.6
1994 .....	186.1	43.3	21.8	17.9	20.9	112.6	402.6
1995 .....	196.6	48.2	22.3	18.6	19.5	110.5	415.7
1996 .....	204.6	47.7	22.9	19.6	20.7	109.0	424.5
1997 .....	216.9	48.7	23.6	20.2	22.3	112.9	444.6
1998 .....	229.9	50.4	24.4	20.7	25.5	114.5	465.4
1999 .....	241.5	50.9	25.2	22.0	29.2	134.3	503.1
2000 .....	252.9	53.5	26.4	23.1	31.1	150.8	537.8
2001 <sup>4</sup> .....	263.8	55.0	27.5	24.1	32.0	155.1	557.5

<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.

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**Table 9-29.—Price components: Market basket of farm-originated food products by food group, United States, 1992–2001 <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>
1992 .....	138	103	157	26	152	94	160	8
1993 .....	142	105	162	26	157	92	166	7
1994 .....	145	101	169	24	164	103	171	8
1995 .....	149	103	175	24	168	110	176	8
1996 .....	156	111	180	25	174	126	181	9
1997 .....	160	106	189	23	178	108	187	7
1998 .....	163	103	195	22	181	94	193	6
1999 .....	167	98	205	21	185	83	199	6
2000 .....	171	97	210	20	188	75	204	5
2001 <sup>5</sup> .....	177	106	215	21	194	79	210	5

  

	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>
1992 .....	131	105	158	41	174	122	199	23
1993 .....	135	107	163	40	182	131	207	24
1994 .....	135	96	176	36	191	119	225	21
1995 .....	136	94	178	35	210	133	248	21
1996 .....	140	100	181	36	216	133	257	20
1997 .....	144	101	189	36	220	128	265	20
1998 .....	142	85	200	30	237	133	288	19
1999 .....	142	82	205	29	252	136	308	18
2000 .....	150	88	214	30	252	131	310	17
2001 <sup>5</sup> .....	159	97	223	31	261	138	321	17

  

	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>
1992 .....	129	96	159	36	130	93	143	19
1993 .....	129	93	163	35	130	108	138	22
1994 .....	132	94	166	34	134	126	137	25
1995 .....	133	92	170	33	137	121	143	24
1996 .....	142	107	174	36	141	112	151	22
1997 .....	146	98	189	32	142	109	154	21
1998 .....	151	113	186	36	147	119	157	22
1999 .....	160	108	207	32	148	89	170	16
2000 .....	161	99	218	30	147	81	172	15
2001 <sup>5</sup> .....	167	119	212	34	156	77	185	13

  

	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>
1992 .....	131	104	163	42	134	129	135	23
1993 .....	137	112	166	44	132	107	139	19
1994 .....	142	115	173	43	135	113	141	20
1995 .....	144	114	178	42	138	121	143	21
1996 .....	152	126	183	44	144	122	152	20
1997 .....	157	121	198	41	148	116	158	19
1998 .....	157	126	193	43	151	115	162	18
1999 .....	158	119	203	40	155	114	168	17
2000 .....	160	117	209	39	154	106	168	17
2001 <sup>5</sup> .....	165	126	209	41	159	108	175	16

<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.

**Table 9-30.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 2000 and 2001**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>	
	2000 <sup>2</sup>	2001 <sup>2</sup>	2000	2001
	Dollars	Dollars	Dollars	Dollars
<b>Basic commodities:</b>				
Cotton:				
American Upland .....	0.498	0.324	1.76	1.66
Extra long staple .....	1.003	0.932	2.25	2.32
Wheat .....	2.62	2.80	9.59	9.61
Rice .....	5.61	4.25	28.30	26.70
Corn .....	1.85	2.00	6.61	6.56
Peanuts .....	0.274	0.234	0.671	0.675
Tobacco:				
Flue-cured, types 11-14 .....	1.839	1.868	3.98	4.18
Va., fire-cured, type 21 .....	1.637	1.759	4.00	4.19
Ky.-Tenn., fire-cured, types 22-23 .....	2.163	2.49	5.01	5.27
Burley, type 31 .....	1.963	1.973	4.25	4.45
Maryland, type 32 <sup>4</sup> .....	1.690	1.680	3.60	3.67
Dark air-cured, types 35-36 .....	1.965	1.829	4.28	4.45
Sun-cured, type 37 .....	1.800	1.686	3.64	3.78
P.a., seedleaf, type 41 .....	.....	1.650	3.02	3.10
Cigar binder type 51 .....	4.916	5.589	9.63	10.60
Puerto Rican filler, type 46 .....	.....	.....	2.72	2.82
Cigar filler types 54-55 .....	1.550	1.650	3.34	3.56
<b>Designated nonbasic commodities:</b>				
All milk, sold to plants .....	12.40	15.05	31.30	32.00
Fluid market .....	12.44	15.09	.....	.....
Manufacturing grade .....	10.52	13.44	.....	.....
Honey, all .....	0.597	0.669	1.42	1.50
Wool and mohair:				
Wool <sup>5</sup> .....	0.330	0.360	1.79	1.65
Mohair <sup>6</sup> .....	4.04	2.13	3.78	4.39
<b>Other nonbasic commodities:</b>				
Field crops and miscellaneous:				
Barley .....	2.11	2.25	5.90	6.41
Beans, dry edible .....	15.50	19.40	49.00	47.60
Cottonseed .....	105.00	89.50	246.00	253.00
Crude pine gum .....	.....	.....	219.00	.....
Flaxseed .....	3.30	4.25	11.60	11.30
Hay, all, baled .....	85.00	97.30	195.00	201.00
Hops .....	1.87	1.91	3.86	4.09
Oats .....	1.10	1.50	3.35	3.75
Peas, dry edible .....	5.31	5.81	28.50	.....
Peppermint oil .....	10.80	10.80	30.10	3.30
Popcorn, shelled basis .....	.....	.....	.....	.....
Potatoes .....	5.08	6.60	13.40	13.60
Rye .....	2.60	2.90	5.16	5.46
Sorghum grain .....	3.37	3.50	10.40	11.20
Soybeans .....	4.54	4.30	13.80	.....
Spearmint oil .....	9.06	9.10	28.30	27.90
Sweetpotatoes .....	15.30	15.40	32.60	34.10
Tobacco:				
Cigar wrapper, type 61 .....	25.30	.....	43.10	43.40
<b>Fruits:</b>				
Citrus (equiv. on-tree): <sup>7</sup>				
Grapefruit .....	3.89	2.24	8.14	8.04
Lemons .....	9.49	5.00	19.20	19.60
Limes, Florida .....	11.21	12.00	20.50	20.70
Oranges .....	3.58	3.56	11.50	11.30
Tangelos, Florida .....	2.52	1.06	.....	.....
Tangerines .....	7.15	8.37	28.30	27.40
Temples, Florida .....	2.55	1.91	9.99	9.64
<b>Deciduous and other:</b>				
Apples:				
For all sales .....	.....	.....	.....	.....
For fresh consumption <sup>8</sup> .....	0.178	0.229	0.461	0.486
For processing <sup>9</sup> .....	101.00	105.00	305.00	320.00
Apricots:				
For all sales .....	.....	.....	.....	.....
For fresh consumption <sup>10</sup> .....	369.00	353.00	1,840.00	1,790.00
Dried, California (dried basis) <sup>9</sup> .....	288.00	260.00	4,580.00	4,810.00
For processing (except dried) <sup>9</sup> .....	283.00	257.00	648.00	672.00
Avocados <sup>10</sup> .....	1,380.00	1,400.00	3,260.00	3,430.00

See footnotes at end of table.

**Table 9-30.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 2000 and 2001—Continued**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	2000 <sup>2</sup>	2001 <sup>2</sup>	2000	2001	
	Dollars	Dollars	Dollars	Dollars	
Deciduous and other—Con.					
Berries for processing:					
Blackberries (Oregon) .....	pound	0.477	0.415	0.976	1.010
Boysenberries (California & Oregon) .....	pound	0.581	0.689	1.380	1.430
Gooseberries .....	pound	.....	.....	0.587	0.608
Loganberries (Oregon) .....	pound	0.643	0.455	0.949	0.903
Raspberries, black (Oregon) .....	pound	1.480	0.452	1.67	1.73
Raspberries, red (Oregon & Washington) .....	pound	0.392	0.505	1.330	1.380
Cherries:					
Sweet .....	ton...	1,340.00	1,230.00	2,570.00	2,770.00
Tart .....	pound...	0.187	0.186	0.406	0.440
Cranberries <sup>11</sup> .....	barrel...	16.80	20.80	117.00	115.00
Dates, California <sup>10</sup> .....	ton...	1,230.00	1,410.00	2,250.00	2,450.00
Figs, California .....	ton...	272.00	365.00	.....	.....
Grapes:					
For all sales .....	ton...	403.00	446.00	.....	.....
Raisin varieties dried, California (dried basis) <sup>9</sup> .....	ton...	510.00	500.00	2,380.00	2,480.00
Nectarines (California):					
For all sales .....	ton...	398.00	464.00	.....	.....
For fresh consumption <sup>19</sup> .....	ton...	.....	.....	1,000.00	1,020.00
For processing <sup>19</sup> .....	ton...	.....	.....	64.40	65.90
Olives (California): <sup>12</sup>					
For all sales .....	ton...	656.00	672.00	.....	.....
Crushed for oil .....	ton...	11.00	6.00	.....	25.80
For all sales (except crushed) .....	ton...	.....	.....	1,260.00	1,350.00
For canning .....	ton...	769.00	770.00	1,450.00	1,570.00
Peaches:					
For all sales .....	pound...	.....	.....	.....	.....
For fresh consumption <sup>9</sup> .....	pound...	0.281	0.310	0.611	0.623
Dried, California (dried basis) <sup>9</sup> .....	ton...	740.00	514.00	1,810.00	1,840.00
For processing California (except dried):					
Clingstone <sup>12</sup> .....	ton...	250.00	244.00	501.00	530.00
Freestone <sup>9</sup> .....	ton...	187.00	200.00	431.00	449.00
Pears:					
For all sales .....	ton...	264.00	282.00	.....	.....
For fresh consumption <sup>9</sup> .....	ton...	318.00	365.00	829.00	848.00
Dried, California (dried basis) <sup>9</sup> .....	ton...	909.00	1,210.00	2,390.00	2,530.00
For processing (except dried) <sup>9</sup> .....	ton...	190.00	175.00	466.00	480.00
Plums (California):					
For all sales <sup>10</sup> .....	ton...	442.00	306.00	.....	.....
For fresh consumption <sup>19</sup> .....	ton...	.....	.....	844.00	889.00
For processing <sup>19</sup> .....	ton...	.....	.....	33.90	41.40
Prunes, dried (California) <sup>9</sup> .....	ton...	770.00	723.00	2,140.00	2,270.00
Prunes and plums (excl. California):					
For fresh consumption <sup>13</sup> .....	ton...	321.00	345.00	839.00	863.00
For processing (except dried) <sup>9</sup> .....	ton...	178.00	185.00	371.00	398.00
Strawberries:					
For fresh consumption <sup>14</sup> .....	pound...	0.649	0.758	1.410	1.490
For processing <sup>9</sup> .....	pound...	0.245	0.292	0.639	0.651
Sugar crops:					
Maple sirup .....	gallon...	27.10	.....	.....	.....
Sugarbeets .....	ton...	34.20	39.40	92.10	94.30
Sugarcane for sugar .....	ton...	26.10	28.40	66.00	67.70
Tree nuts: <sup>15</sup>					
Almonds .....	pound...	0.97	0.90	3.46	3.67
Hazelnuts .....	ton...	891.00	701.00	1,860.00	1,960.00
Pecans, all .....	pound...	1.140	0.594	4,500.00	4,630.00
Improved .....	pound...	.....	.....	.....	.....
Seedling .....	pound...	.....	.....	.....	.....
Walnuts .....	ton...	1,240.00	1,120.00	2,860.00	2,940.00

See footnotes at end of table.

**Table 9-30.—Farm product prices: Marketing year average prices received by farmers; Parity prices for January, United States, 2000 and 2001—Continued**

Commodity and unit	Marketing year average price <sup>1</sup>		Parity price <sup>3</sup>		
	2000 <sup>2</sup>	2001 <sup>2</sup>	2000	2001	
	Dollars	Dollars	Dollars	Dollars	
<b>Vegetables for fresh market:<sup>14</sup></b>					
Artichokes, California .....	cwt...	60.30	58.20	71.60	74.20
Asparagus .....	cwt...	117.00	140.00	231.00	251.00
Broccoli .....	cwt...	31.00	25.10	59.50	63.90
Cabbage .....	cwt...	12.80	14.20	21.70	22.50
Cantaloups .....	cwt...	17.50	18.50	33.50	34.70
Carrots <sup>15</sup> .....	cwt...	13.10	17.40	29.40	31.50
Cauliflower <sup>16</sup> .....	cwt...	33.10	27.30	68.00	72.90
Celery <sup>16</sup> .....	cwt...	18.50	14.70	29.00	32.00
Cucumbers .....	cwt...	19.90	19.50	.....	37.20
Eggplant .....	cwt...	28.60	31.70	37.90	39.30
Escarole/Endive .....	cwt...	30.90	29.20	48.80	50.60
Garlic, California .....	cwt...	27.80	30.90	46.10	47.80
Green peppers <sup>16</sup> .....	cwt...	31.30	28.40	56.70	58.70
Honeydew melons .....	cwt...	19.20	20.60	42.00	44.00
Lettuce .....	cwt...	17.40	17.60	34.50	37.20
Onions <sup>16</sup> .....	cwt...	11.30	11.40	27.10	27.90
Snap beans .....	cwt...	42.60	45.40	71.00	73.60
Spinach .....	cwt...	36.40	40.80	62.20	64.40
Sweet corn .....	cwt...	18.20	19.60	38.60	40.90
Tomatoes .....	cwt...	30.80	30.20	68.90	72.40
Watermelons .....	cwt...	6.41	6.86	13.30	13.80
<b>Vegetables for processing:<sup>9</sup></b>					
Asparagus .....	ton...	1,180.00	1,040.00	2,500.00	2,640.00
Beets .....	ton...	61.20	65.80	123.00	127.00
Cabbage .....	ton...	47.40	48.70	94.60	98.00
Cucumbers .....	ton...	269.00	291.00	.....	.....
Green peas .....	ton...	248.00	264.00	609.00	631.00
Lima beans .....	ton...	432.00	459.00	1,050.00	1,090.00
Snap beans .....	ton...	171.00	161.00	401.00	413.00
Spinach .....	ton...	121.00	116.00	228.00	236.00
Sweet corn .....	ton...	73.40	72.90	165.00	173.00
Tomatoes .....	ton...	59.80	59.20	149.00	153.00
<b>Livestock and livestock products:</b>					
<b>All beef cattle</b>					
Cows .....	cwt...	68.60	71.30	153.00	157.00
Steers and heifers .....	cwt...	37.90	40.90	.....	.....
Calves .....	cwt...	72.30	75.10	.....	.....
Beeswax .....	pound...	104.00	106.00	197.00	207.00
<b>Chickens:</b>					
Excluding broilers, live .....	pound...	0.057	0.045	.....	.....
Broilers, live <sup>20</sup> .....	pound...	0.336	0.393	.....	.....
All Eggs .....	dozen...	0.618	0.622	1.50	1.55
Hogs .....	cwt...	42.30	44.30	101.00	103.00
Lambs .....	cwt...	79.80	66.90	162.00	173.00
Milk cows <sup>17</sup> .....	head...	1,340.00	.....	.....	.....
Milk, retail <sup>18</sup> .....	quart...	.....	.....	.....	.....
Sheep .....	cwt...	34.30	34.60	67.10	72.10
Turkeys, live .....	pound...	0.407	0.390	0.913	0.954

<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 1985. <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 1996 relate to the citrus crop designated as 1996-97 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. <sup>20</sup>Live weight equivalent price.

**Table 9-31.—Producer prices: Index numbers, by groups of commodities, United States, 1993–2002**  
[1982=100]

Year	Total finished goods	Consumer foods	Total consumer goods	Total intermediate materials	Total crude materials
1993 .....	124.7	125.7	123.0	116.2	102.4
1994 .....	125.5	126.8	123.3	118.5	101.8
1995 .....	127.9	129.0	125.6	124.9	102.7
1996 .....	131.3	133.6	129.5	125.7	113.8
1997 .....	131.8	134.5	130.2	125.6	111.1
1998 .....	130.7	134.3	128.9	123.0	96.8
1999 .....	133.0	135.1	132.0	123.2	98.2
2000 .....	138.0	137.2	138.2	129.2	120.6
2001 .....	140.7	141.3	141.5	129.7	121.0
2002 <sup>1</sup> .....	138.8	140.0	139.3	127.8	108.1

<sup>1</sup> Preliminary.

ERS, Food Marketing Branch, (202) 694-5349. Compiled from reports of the U.S. Department of Labor.

**Table 9-32.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1993–2002<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
1993 .....	332	354	455	1,521	590	646	785	510
1994 .....	377	381	559	1,538	600	632	731	517
1995 .....	426	400	653	1,559	568	680	806	525
1996 .....	497	521	626	1,592	700	824	740	532
1997 .....	406	418	573	1,570	715	770	792	532
1998 .....	328	356	546	1,572	588	788	818	532
1999 .....	287	307	436	1,536	452	804	736	532
2000 .....	272	308	421	1,614	467	689	807	541
2001 .....	290	325	328	1,614	436	761	844	554
2002 <sup>4</sup> .....	330	356	280	1,639	480	780	944	558

  

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>
1993 .....	539	505	1,011	787	295	768	643	47
1994 .....	556	520	910	797	298	727	634	45
1995 .....	541	553	868	783	300	707	646	45
1996 .....	576	624	882	914	337	761	712	47
1997 .....	457	568	933	820	319	755	678	43
1998 .....	500	527	804	953	328	740	645	42
1999 .....	507	476	840	882	310	731	607	40
2000 .....	472	473	955	760	299	744	612	38
2001 .....	497	487	989	922	325	814	649	40
2002 <sup>4</sup> .....	675	525	884	745	273	697	627	38

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

**Table 9-33.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1993–2002<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
1993 .....	105	99	89	101	108	93	117	103
1994 .....	119	106	109	102	110	90	109	105
1995 .....	134	112	127	103	104	97	121	106
1996 .....	157	146	122	105	128	118	111	108
1997 .....	128	117	112	104	131	110	118	108
1998 .....	103	100	107	104	107	113	123	108
1999 .....	91	86	85	102	83	115	110	108
2000 .....	85	86	82	107	85	99	121	110
2001 .....	91	91	64	107	80	109	126	112
2002 <sup>4</sup> .....	104	100	55	108	88	112	141	113

  

Year	Potatoes and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and livestock products	All farm products	Ratio <sup>3</sup>
1993 .....	107	102	100	98	105	100	101	97
1994 .....	110	105	90	99	106	95	100	94
1995 .....	107	112	85	98	107	92	102	93
1996 .....	114	127	87	114	120	99	112	98
1997 .....	90	115	92	102	113	98	107	90
1998 .....	99	107	79	119	117	97	102	89
1999 .....	100	96	83	110	110	95	96	83
2000 .....	93	96	94	95	106	97	96	80
2001 .....	98	99	97	115	116	106	102	83
2002 <sup>4</sup> .....	134	106	87	93	97	91	99	80

<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 9-34.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1993–2002**  
(1990–92=100)

Production indexes									
Year	Production (all commodities)	Feed	Livestock & Poultry	Seeds	Fertilizer	Agricultural chemicals	Fuels	Supplies and Repairs	Autos and trucks
1993 .....	104	102	104	101	96	109	93	107	107
1994 .....	106	106	94	108	105	112	89	109	111
1995 .....	108	103	82	110	121	116	89	112	115
1996 .....	115	129	75	115	125	119	102	115	118
1997 .....	119	125	94	119	121	121	106	118	119
1998 .....	113	110	88	122	112	122	84	119	119
1999 .....	111	100	95	121	105	121	93	121	119
2000 .....	116	102	110	124	110	120	134	124	119
2001 .....	120	109	111	132	123	120	119	128	118
2002 <sup>4</sup> .....	119	113	102	142	109	118	112	131	116

Production indexes - continued					Interest	Taxes	Wage rates <sup>2</sup>	Production, interest, taxes, and wage rates	Family living	Commodities, interest, taxes, and wage rates <sup>3</sup>
Year	Farm machinery	Building Materials	Farm services <sup>1</sup>	Rent						
1993 .....	107	106	110	100	87	108	108	103	107	104
1994 .....	113	109	115	108	94	106	111	106	110	106
1995 .....	120	114	116	117	102	109	114	108	113	109
1996 .....	125	115	116	128	106	112	117	115	116	115
1997 .....	128	118	116	136	105	115	123	118	119	118
1998 .....	132	118	115	120	104	119	129	114	121	115
1999 .....	135	120	116	113	106	120	135	113	124	115
2000 .....	139	121	119	110	113	123	140	118	128	120
2001 .....	144	121	121	117	114	124	146	122	131	124
2002 <sup>4</sup> .....	145	122	120	119	109	126	152	122	133	124

<sup>1</sup> The Farm Service and Rent indexes were combined prior to 1992. <sup>2</sup> Simple average of seasonally adjusted quarterly indexes. <sup>3</sup> Family Living component included. <sup>4</sup> Preliminary.

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

**Table 9-35.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1993–2002<sup>1</sup>**  
 [1910–14=100]

Year	Family living	Production indexes							
		Production (all commodities)	Feed	Livestock and poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies and repairs
1993 .....	1,369	1,006	497	1,327	1,002	352	672	717	757
1994 .....	1,404	1,030	518	1,207	1,071	387	695	689	776
1995 .....	1,447	1,051	502	1,047	1,088	444	717	690	798
1996 .....	1,490	1,118	631	962	1,142	458	736	789	816
1997 .....	1,525	1,151	612	1,200	1,179	443	745	816	835
1998 .....	1,548	1,092	539	1,123	1,208	412	756	646	846
1999 .....	1,582	1,078	486	1,217	1,201	385	746	720	861
2000 .....	1,636	1,124	496	1,402	1,227	404	741	1,033	881
2001 .....	1,682	1,161	530	1,418	1,306	450	745	915	906
2002 <sup>3</sup> .....	1,708	1,157	553	1,304	1,402	399	733	868	927

  

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 rent					
1993 .....	2,833	2,689	1,436	1,262	2,191	2,886	4,055	1,384	1,381
1994 .....	2,958	2,843	1,488	1,304	2,548	2,828	4,140	1,419	1,416
1995 .....	3,053	3,009	1,553	1,384	2,548	2,915	4,278	1,456	1,454
1996 .....	3,126	3,128	1,569	1,442	2,652	3,001	4,389	1,540	1,531
1997 .....	3,161	3,216	1,602	1,477	2,621	3,093	4,591	1,585	1,574
1998 .....	3,152	3,313	1,605	1,394	2,617	3,185	4,838	1,528	1,532
1999 .....	3,166	3,393	1,628	1,364	2,663	3,214	5,037	1,520	1,531
2000 .....	3,160	3,490	1,647	1,374	2,825	3,281	5,235	1,585	1,594
2001 .....	3,141	3,601	1,646	1,422	2,845	3,330	5,468	1,636	1,644
2002 <sup>3</sup> .....	3,082	3,678	1,654	1,426	2,728	3,378	5,702	1,636	1,649

<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. <sup>3</sup>Preliminary.

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**Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 2000–2002<sup>1</sup>**

Commodity	Unit	2000	2001	2002
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Fuels and energy:</b>				
Diesel fuel <sup>2 3</sup> .....	Gal	1.080	1.080	0.964
Gasoline, service station, unleaded <sup>4</sup> .....	Gal	1.47	1.43	1.36
Gasoline, service station, bulk delivery <sup>4</sup> .....	Gal	1.48	1.47	1.37
L. P. gas, bulk delivery <sup>2</sup> .....	Gal	0.963	1.160	0.925
<b>Feeds:</b>				
Alfalfa Meal .....	Cwt	12.50	13.40	14.40
Alfalfa Pellets .....	Cwt	12.40	13.40	14.40
Bran .....	Cwt	13.20	13.40	13.60
<b>Beef Cattle Concentrate.</b>				
32-36% Protein .....	Ton	261	279	277
Corn Meal .....	Cwt	7.67	7.59	8.06
Cottonseed Meal, 41% .....	Cwt	14.90	15.70	15.80
<b>Dairy Feed</b>				
14% Protein .....	Ton	170	176	175
16% Protein .....	Ton	175	184	190
18% Protein .....	Ton	179	185	194
20% Protein .....	Ton	183	184	191
32% Protein Conc. ....	Ton	287	291	298
<b>Hog Feed</b>				
14-18% Protein .....	Ton	203	215	216
38-42% Protein Conc. ....	Ton	297	302	307
Molasses, Liquid .....	Cwt	12.00	12.40	12.90
<b>Poultry Feed:</b>				
Broiler Grower .....	Ton	226	232	259
Chick Starter .....	Ton	249	239	240
Laying Feed .....	Ton	206	212	225
Turkey Grower .....	Ton	255	259	264
Soybean Meal, 44% .....	Cwt	13.00	13.40	13.50
Stock Salt .....	50 Lb	4.01	4.05	4.12
Trace Mineral Blocks .....	50 Lb	5.02	5.14	5.24

See footnotes at end of table.



**Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 2000–2002<sup>1</sup>—Continued**

Commodity	Unit	2000	2001	2002
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Fertilizer:<sup>5</sup></b>				
0-15-40 .....	Ton	183	189	178
0-18-36 .....	Ton	182	184	175
0-20-20 .....	Ton	189	192	193
3-10-30 .....	Ton	168	173	172
5-10-10 .....	Ton	149	150	146
5-10-15 .....	Ton	164	170	165
5-10-30 .....	Ton	177	184	182
5-20-20 .....	Ton	182	188	182
6- 6- 6 .....	Ton	195	215	224
6- 6-18 .....	Ton	214	213	207
6-12-12 .....	Ton	159	173	156
6-24-24 .....	Ton	221	221	214
8- 8- 8 .....	Ton	160	173	166
8-20- 5 .....	Ton	237	232	224
8-32-16 .....	Ton	225	228	229
9-23-30 .....	Ton	202	208	195
10- 3- 3 .....	Ton	190	207	190
10- 6- 4 .....	Ton	160	157	166
10-10-10 .....	Ton	171	179	174
10-20-10 .....	Ton	191	199	194
10-20-20 .....	Ton	207	217	209
10-34- 0 .....	Ton	243	260	238
11-52- 0 .....	Ton	259	260	246
13-13-13 .....	Ton	194	210	201
15-15-15 .....	Ton	216	230	223
16- 0-13 .....	Ton	176	185	161
16- 4- 8 .....	Ton	216	237	235
16- 6-12 .....	Ton	173	203	186
16-16-16 .....	Ton	268	284	292
16-20- 0 .....	Ton	240	246	243
17-17-17 .....	Ton	212	230	212
18-46- 0 (DAP) .....	Ton	240	244	227
19-19-19 .....	Ton	213	234	207
24- 8- 0 .....	Ton	176	205	167
Ammonium Nitrate .....	Ton	194	260	195
Anhydrous Ammonia .....	Ton	227	399	250
Aqua Ammonia .....	Ton	98.30	119	104
Limestone, Spread on field .....	Ton	18.90	19.10	19.00
Muriate of Potash, 60–62% K2O .....	Ton	165	170	164
Nitrate of Soda .....	Ton	260	274	282
<b>Nitrogen Solutions.</b>				
28% N .....	Ton	125	204	135
30% N .....	Ton	131	189	127
32% N .....	Ton	137	221	148
Sulfate of Ammonia .....	Ton	167	192	187
Superphosphate, 44-46% P2O5 .....	Ton	233	236	221
Urea, 44-46% Nitrogen .....	Ton	200	280	191
<b>Farm Machinery:</b>				
<b>Baler, Pick-Up, Automatic Tie, P.T.O.</b>				
Square Conventional, Under 200 Lb Bales .....	Each	16,100	16,300	16,800
Round, 1200-1500 Lb Bale .....	Each	17,300	17,600	17,900
Round, 1900-2200 Lb Bale .....	Each	23,800	23,000	25,200
<b>Chisel Plow, Maximum 1 Foot Depth of Tillage, Chisel or Sweep Type, Drawn or Mounted, 16-20 Foot .....</b>				
Each	Each	13,400	13,000	13,400
<b>Combine, Self Propelled with Grain head</b>				
Extra-large capacity .....	Each	176,000	181,000	187,000
Large capacity .....	Each	146,000	152,000	156,000
<b>Corn Head for Combine</b>				
6 Row .....	Each	23,400	24,500	25,700
8 Row .....	Each	30,400	32,100	33,200
<b>Cotton Picker, Self Propelled, with sprindle,</b>				
4-Row .....	Each	206,000	222,000	225,000
<b>Cultivator, Row Crop</b>				
6-Row .....	Each	5,860	6,040	5,990
12-Row, Flexible .....	Each	13,400	13,800	13,900
<b>Disk Harrow, Tandem, Drawn<sup>7</sup></b>				
15-17 Foot .....	Each	13,500	13,700	14,300
18-20 foot .....	Each	17,400	18,000	18,500

See footnotes at end of table.

**Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 2000–2002<sup>1</sup>—Continued**

Commodity	Unit	2000	2001	2002
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Elevator, Portable, Without Power Unit,				
Auger Type, 8 Inch Diameter, 60 Foot .....	Each	3,820	3,820	4,020
Feed Grinder-Mixer, Trailer Mtd., P.T.O. ....	Each	13,600	14,600	14,900
Field Cultivator, Mounted or Drawn				
17-19 Foot .....	Each	10,300	10,700	11,000
20-25 Foot, Flexible .....	Each	14,400	14,300	15,900
Forage Harvester, P.T.O., Shear Bar,				
With Pick-Up Attachment .....	Each	28,200	28,900	30,100
With Row Crop Unit, 2-Row .....	Each	30,400	31,400	32,800
Forage Harvester, Self-propelled, Shear Bar,				
With 4-6 row .....	Each	216,000	228,000	237,000
Front-End Loader, Hydraulic, Tractor Mounted				
1800-2500 Lb. Capacity, 60 Inch Bucket .....	Each	4,880	4,910	4,990
Grain Drill, Most Common Spacing				
Plain, 15-17 Openers .....	Each	11,200	12,100	14,000
Press, 23-25 Openers .....	Each	17,500	18,500	23,100
With Fertilizer Attachment, 20-24 Openers .....	Each	15,200	15,700	18,600
Min/No-Till W/Fert. Attach., 15 Foot .....	Each	26,300	27,100	28,100
Hayrake, Side-Delivery, or Wheel Rake,				
Traction Drive, 8-12 Foot Working Width .....	Each	4,670	4,980	5,020
Hay Tedder, 15-18 Foot .....	Each	4,480	4,560	4,830
Manure Spreader, Conveyor Type, P.T.O.,				
2-Wheel, with Tires.				
141-190 Bushel Capacity .....	Each	6,720	6,630	6,760
225-300 Bushel Capacity .....	Each	9,640	9,980	9,950
Mower-Conditioner, P.T.O., Pull Type, with				
8-10 Foot, Sickle (Cutter) Bar or Disc .....	Each	13,200	13,700	13,700
14-16 Foot, Sickle (Cutter) Bar or Disc .....	Each	21,000	21,500	21,800
Mower, Mounted or Drawn,				
7-8 ft Sickle (Cutter) Bar .....	Each	4,360	4,730	4,840
13-14 Foot, Sickle (Cutter) Bar or Disc .....	Each	13,700	14,200	16,100
Planter, Row Crop				
With Fertilizer Attachment, 4-Row .....	Each	15,300	15,500	15,100
With Fertilizer Attachment, 8-Row .....	Each	26,900	28,800	29,000
With Fertilizer Attachment, 24-Row .....	Each	92,600	95,000	97,600
12-Row Conservation (No-Till Cond), w/Fert .....	Each	46,400	47,400	50,400
Rotary Hoe, 20-25 Foot .....	Each	6,280	6,920	6,490
Rotary Cutter, 7-8 Foot .....	Each	2,970	3,100	3,240
Sprayer, Field Crop, Power, Boom Type				
(Excl. Self-Propelled and Orchard).				
Tractor Mounted, w/ 300 Gal. Spray Tank .....	Each	5,260	5,500	5,460
Trailer Type, w/ 500-700 Gal. Spray Tank .....	Each	11,100	11,300	12,000
Tractor, 2-Wheel Drive				
30-39 P.T.O. horsepower .....	Each	16,400	16,600	16,400
50-59 P.T.O. horsepower .....	Each	21,800	22,000	21,900
70-89 P.T.O. horsepower .....	Each	33,700	34,200	34,500
110 - 129 P.T.O. horsepower .....	Each	62,400	63,000	63,700
140 - 159 P.T.O. horsepower .....	Each	81,700	82,300	83,200
190 - 220 P.T.O. horsepower .....	Each	113,000	114,000	118,000
Tractor, 4-Wheel Drive				
200 - 280 P.T.O. horsepower .....	Each	120,000	127,000	132,000
Wagon, Gravity Unload, W/Box and Running				
Gear, and Tires,				
200-400 Bushel Capacity				
Without Side Extensions .....	Each	4,040	4,160	4,320
Wagon, Running Gear, W/O Box				
8-10 Ton Capacity .....	Each	1,660	1,800	1,730
Windrower, Self-Propelled,				
14-16 Foot .....	Each	61,600	63,200	62,900
Agricultural Chemicals: <sup>8</sup>				
Fungicides:				
Basic Copper Sulfate, 53% WP .....	Lb	1.17	1.15	1.16
Benomyl (Benlate), 50% WP .....	Lb	18.60	18.40	18.40
Calcium Polysulfide (Lime Sulfur) Liq.Conc .....	Gal	8.32	8.42	8.36
Captan 50% WP .....	Lb	3.45	3.61	3.76
Chlorothalonil (Bravo), 6#/Gal EC .....	Gal	56.20	56.10	49.70
Copper Hydroxide (Kocide), 77% WP .....	Lb	2.58	2.60	2.62
Dodine (Cyprex Syllit), 65% WP .....	Lb	11.50	11.50	11.50
Fenarimol (Rubigan), 1#/Gal EC .....	Gal	310	321	320
Ferbam (Carbamate), 76% WP .....	Lb	4.29	4.17	4.25
Fosethyl-AL (Aliette), 80% WP .....	Lb	12.00	12.30	12.60
Iprodione (Rovral), 50% WP .....	Lb	23.40	23.70	24.10
Mancozeb (Dithane 80% WP, Manzate 75% DF) .....	Lb	3.05	3.03	2.95
Maneb, 80% WP, 75% DF .....	Lb	3.19	3.16	3.20
Metalaxyl (Ridomil), 2#/Gal EC .....	Gal	178	190	183
Myclobutanil (Systhane, Nova, Rally), 40% WP .....	Lb	73.00	69.70	67.90
Oxytetracycline (Mycoshield), 17% WP .....	Lb	20.90	22.00	22.00
Sulfur, 95% WP .....	Lb	0.313	0.320	0.330
Triforine (Funginex), 1.6#/Gal EC .....	Gal	93.30	93.30	98.50
Triadimefon (Bayleton), 50% WP .....	Lb	67.30	69.20	70.00
Ziram, 76% WP .....	Lb	2.72	2.82	2.82

See footnotes at end of table.

**Table 9-36.—Prices paid by farmers: April prices, by commodities, United States, 2000–2001<sup>1</sup>—Continued**

Commodity	Unit	2000	2001	2002
		Dollars	Dollars	Dollars
Fumigants:				
Methyl Bromide (Terr-o-gas 98) .....	Lb	3.51	4.87	5.31
Herbicides:				
2,4-D, 4#/Gal EC .....	Gal	14.70	14.90	14.90
Acetochlor (Harness, Surpass), .....	Gal	68.40	68.90	68.10
6,4-7#/Gal EC .....	Gal	24.50	24.80	24.30
Alachlor (Lasso), 4#/Gal EC .....	Gal	13.60	12.50	12.20
Atrazine (AAtrex), 4#/Gal L .....	Gal	79.40	83.00	83.20
Bentazon (Basagran), 4#/Gal EC .....	Gal	21.20	22.50	23.60
Butylate (Sutan), 6.7#/Gal EC .....	Oz	11.90	12.40	12.40
Chlorimuron-ethyl (Classic), 25% DF .....	Oz	19.00	20.20	18.70
Chlorsulfuron (Glean), 75% .....	Gal	33.10	33.10	33.00
Cyanazine (Bladex), 4#/Gal EC .....	Lb	13.20	13.50	14.00
DCPA (Dacthal), 75% WP .....	Gal	95.10	94.20	92.10
Dicamba (Banvel), 4#/Gal EC .....	Lb	5.21	4.98	4.90
Diuron (Karmex, Diurex), 80% WP .....	Gal	33.30	33.40	33.70
EPTC (Eptan), 7E-(Eradicane),6.7#/Gal EC .....	Gal	43.30	44.50	43.50
Glyphosate (Roundup), 4#/Gal EC .....	Lb	11.90	11.60	11.90
Linuron (Lorox, Linex), 50% DF .....	Gal	16.60	16.90	17.10
MCPA, 4#/Gal, EC .....	Gal	82.60	94.50	99.00
Metolachlor (Dual), 8#/Gal EC .....	Lb	20.90	20.60	20.10
Metribuzin (Lexone or Sencor), 75% DF .....	Gal	23.50	21.80	21.60
Paraquat (Gramoxone Extra), 2.5#/Gal EC .....	Gal	9.61	9.85	9.40
MSMA (Super Arsonade), 4-6# Gal EC .....	Lb	34.30	35.20	37.60
Napropamide (Devrinol), 50% WP .....	Gal	23.60	23.10	22.10
Pendimethalin (Prowl),3.3#/Gal EC .....	Gal	78.70	77.90	74.60
Sethoxydim (Poast), 1.5#/Gal EC .....	Gal	18.20	18.00	17.60
Simazine (Princep), 4#/Gal EC .....	Lb	30.10	30.90	32.70
Terbacil (Sinbar), 80% WP .....	Gal	25.50	25.30	24.40
Trifluralin (Treflan), 4#/Gal EC .....				
Insecticides:				
Acephate (Orthene), 75% SP .....	Lb	12.70	12.80	12.60
Aldicarb (Temik), 15% G .....	Lb	3.73	3.76	3.70
Azinphos-methyl (Guthion), 50% WP .....	Lb	9.68	9.87	10.60
Bt (Dipel 2X), WP .....	Lb	12.40	12.60	12.20
Carbaryl, (Sevin), 80% S, SP or WP .....	Lb	5.44	5.75	5.41
Carbofuran (Furadan), 4F .....	Gal	73.50	74.80	77.80
Chlorpyrifos (Lorsban), 4#/Gal EC .....	Gal	43.60	42.40	41.60
Cyfluthrin (Baythroid) 2#/Gal EC .....	Gal	511	493	397
Cypermethrin, (Ammo 2.5-Cymbush 3#G)EC .....	Gal	262	255	196
Diazinon, 4#/Gal EC .....	Gal	36.20	35.90	36.10
Dicofol (Kelthane), 35% WP .....	Lb	11.90	12.20	13.10
Dicrotophos (Bidrin), 8#/Gal EC .....	Gal	88.50	89.70	91.00
Dimethoate (Cygon), 2.67#/Gal EC .....	Gal	36.40	35.50	36.60
Disulfoton (Di-Syston), 8#/Gal EC .....	Gal	82.10	84.80	87.60
Endosulfon (Thiodan, Phaser), 3#/Gal EC .....	Gal	35.90	35.90	33.70
Esfenvalerate (Asana XL),0.66#/Gal EC .....	Gal	125	123	107
Ethion 4#/Gal EC .....	Gal	38.50	35.10	39.30
Fonofos (Dyfonate II), 20% G .....	Lb	2.16	2.15	1.29
Imidacloprid (Admire, Provado),				
1.6-2#/Gal EC .....	Gal	565	565	575
Malathion, 5#/Gal EC .....	Gal	26.20	27.40	28.40
Methidathion (Supracide), 25% WP .....	Lb	6.97	7.51	7.20
Methomyl (Lannate L), 1.81 #/Gal Liq. ....	Gal	49.30	49.50	51.90
Methyl Parathion, 4#/Gal EC .....	Gal	31.10	33.40	32.00
Oil, Superior Oil, Supreme, Volck .....	Gal	5.22	5.38	5.82
Oxamyl (Vydate-L), 2# L .....	Gal	65.50	67.90	68.80
Oxydemeton-Methyl (Metasystox-R).				
2#/Gal EC .....	Gal	72.10	77.90	76.00
Oxythioquinox (Morestan), 25% WP .....	Lb	17.60	18.60	20.30
Phorate (Thimet), 20% G .....	Lb	2.49	2.41	2.45
Phosmet (Imidan, Prolate), 50% WP .....	Lb	6.59	6.98	7.30
Propargite (Comite, Omiite), 30% WP .....	Lb	6.86	6.05	6.26
Synthetic Pyrethroids,.				
(Pounce 2.0, Ambush 3.2 #/Gal) EC .....	Gal	141	137	136
Terbufos (Counter), 15% G .....	Lb	2.71	2.67	2.72
Zeta-Cyermethrin (Fury), 1.5#/Gal EC .....	Gal	301	282	195
Other:				
Gibberellic Acid,(Ry3Up,Pro-Gibb)4.0% L .....	Gal	183	170	164
Nad Napthalene Acetamide, 8.4 WP .....	Lb	59.50	63.50	63.70

<sup>1</sup> Prices paid by farmers are collected, for the most part, from retail establishments located in smaller cities and towns in rural areas. Prior to 1995, recorded prices reflected a modified annual average based on frequency item was surveyed during the year. Recorded item values, 1995-99, are the U.S. April average price. <sup>2</sup> Excludes Federal, State, and local per gallon taxes where applicable. <sup>3</sup> Excludes Federal excise tax. <sup>4</sup> Includes Federal, State, and local per gallon taxes. <sup>5</sup> Excludes cost of application, except for limestone. <sup>6</sup> Discontinued in 2000. <sup>7</sup> With hydraulic lift, transport wheels, and tires. <sup>8</sup> Formulation abbreviations: EC—Emulsifiable Concentrate, DF—Dry Flowable, DG—Dry Granular, G—Granular, L—Liquid, S—Solution, SP—Soluble Powder, and WP—Wettable Powder.

**Table 9-37.—Agricultural commodities: Support prices per unit, United States, 1993–2002<sup>1 2</sup>**

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>8</sup> )	( <sup>8</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>9</sup> )	( <sup>9</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>9</sup> )	( <sup>9</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>9</sup> )	( <sup>9</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>8</sup> )	( <sup>8</sup> )
Nonbasic commodities:						
Beans, dry edible	Cwt. ....	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Cottonseed	Ton .....	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Minor oilseeds <sup>7</sup>	Pound ...	0.089	0.087	0.087	0.0891	0.0930
Soybeans	Bushel ...	5.02	4.92	4.92	4.99	5.26
Sugar, raw	Pound ...	0.1800	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing	Cwt. ....	10.10	10.10	10.10	( <sup>10</sup> )10.35	( <sup>13</sup> )10.20
Honey, extracted	Pound ...	0.538	0.500	0.500	( <sup>11</sup> )	( <sup>11</sup> )
Mohair	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> )

See footnotes at end of table.

**Table 9-37.—Agricultural commodities: Support prices per unit, United States, 1993–2002<sup>1 2</sup>—Continued**

Commodity	Unit	1998	1999	2000	2001	2002
		Dollars	Dollars	Dollars	Dollars	Dollars
<b>Basic commodities:</b>						
<b>Corn:</b>						
Target price .....	Bushel	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 2.60
Loan rate .....	do	1.89	1.89	1.89	1.89	1.98
<b>Cotton:</b>						
American upland: <sup>3</sup>						
Target price .....	Pound	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 0.742
Loan rate .....	do	0.5192	0.5192	0.5192	0.5192	0.5200
Extra-long staple:						
Target price .....	do	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	.....
Loan rate .....	do	0.7965	0.7965	0.7965	0.7965	0.7977
<b>Peanuts:<sup>4</sup></b>						
Target price .....	do	.....	.....	.....	.....	0.2475
Loan rate .....	do	0.3050	0.3050	0.3050	0.3050	0.1775
<b>Rice:</b>						
Target price .....	Cwt.	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 10.50
Loan rate .....	do	6.50	6.50	6.50	6.50	6.50
<b>Wheat:</b>						
Target price .....	Bushel	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 3.86
Loan rate .....	do	2.58	2.58	2.58	2.58	2.80
<b>Tobacco:</b>						
Flue-cured, types 11-14 .....	Pound	1.628	1.632	1.640	1.660	1.656
Fire-cured, type 21 .....	do	1.536	1.559	1.559	1.572	1.603
Fire-cured, types 22-23 .....	do	1.681	1.716	1.716	1.736	1.767
Burley, type 31 .....	do	1.778	1.789	1.805	1.826	1.835
Dark air-cured, types 35-36 .....	do	1.450	1.481	1.481	1.499	1.526
Virginia sun-cured, type 37 .....	do	1.360	1.380	1.380	1.392	1.429
Cigar filler, Puerto Rican, type 46	do	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Ohio filler and Wisconsin binder, types 42-44 and 53-55 .....	do	1.212	1.238	1.238	1.252	1.286
<b>Barley:<sup>6</sup></b>						
Target price .....	Bushel	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 2.21
Loan rate .....	do	1.56	1.59	1.62	1.65	1.88
<b>Sorghum grain:<sup>6</sup></b>						
Target price .....	Cwt.	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 4.54
Loan rate .....	do	3.11	3.11	3.05	3.05	3.54
<b>Oats:<sup>6</sup></b>						
Target price .....	Bushel	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>16</sup> ) 1.40
Loan rate .....	do	1.11	1.13	1.16	1.21	1.35
<b>Rye:<sup>6</sup></b>						
Target price .....	do	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
<b>Nonbasic commodities:</b>						
Beans, dry edible	Cwt.	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Cottonseed	Ton	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
<b>Other oilseeds<sup>7</sup>:</b>						
Target price .....	do	.....	.....	.....	.....	( <sup>16</sup> ) 9.80
Loan rate .....	do	9.30	9.30	9.30	9.30	9.60
<b>Soybeans:</b>						
Target price .....	Bushel	.....	.....	.....	.....	( <sup>16</sup> ) 5.80
Loan rate .....	do	5.26	5.26	5.26	5.26	5.00
<b>Dry peas</b>						
Sugar, raw	Pound	0.1800	0.1800	0.1800	0.1800	0.1800
Milk for manufacturing	Cwt.	( <sup>14</sup> )10.05	( <sup>15</sup> )9.90	9.90	9.90	9.90
Honey, extracted	Pound	( <sup>11</sup> )	0.59	0.59	( <sup>18</sup> ) 0.65	( <sup>18</sup> ) 0.60
Mohair	do	( <sup>12</sup> )	2.00	2.00	.....	( <sup>17</sup> ) 4.20
Wool	Pound	( <sup>12</sup> )	( <sup>12</sup> )	( <sup>12</sup> )	( <sup>12</sup> )	( <sup>17</sup> ) 0.40/1

<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 (1993 through 2001). Enactment of the Farm Security and Rural Investment Act of 2002 (2002 Act) repealed the peanut quota marketing program; and established payment rates for the 2002/2003 and subsequent crops according to the provisions of the Direct Payment Program. <sup>5</sup> Grade No. 2 or better except for oats which is Grade No. 3. <sup>6</sup> The rye price support program was terminated by the Federal Agriculture Improvement and Reform Act of 1996. Rye was not reestablished with the 2002 Act. <sup>7</sup> Includes flaxseed, sunflower seed (oil and other), safflower, rapeseed (industrial), canola and mustard seed. <sup>8</sup> No support program. <sup>9</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>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. <sup>14</sup> As of January 1, 1998. <sup>15</sup> As of January 1, 1999. <sup>16</sup> The Farm Security and Rural Investment Act of 2002 (2002 Act) reestablished target prices, now including soybeans and other oilseeds. The 2002 Act also established, for the first time, loan rates for dry peas, small chickpeas and lentils under the marketing loan program. <sup>17</sup> Wool and mohair programs were reestablished following enactment of the Farm Security and Rural Investment Act of 2002 (2002 Act). First wool number is for ungraded/second is graded. <sup>18</sup> There was no support for honey produced in 2001.

**Table 9-38.—Farm income: Cash receipts by commodity groups and selected commodities, United States, 1994–2001<sup>1</sup>**

Commodity	1994	1995	1996	1997
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
All commodities .....	181,273,883	188,048,906	199,296,420	207,687,971
Livestock and products .....	88,293,071	87,217,115	92,948,988	96,473,145
Cattle and calves .....	36,252,219	34,044,036	30,976,868	35,999,622
Hogs .....	9,898,434	10,254,866	12,565,187	13,053,680
Sheep and lambs .....	510,536	566,100	612,170	632,602
Dairy products .....	19,983,347	19,879,611	22,785,017	20,940,261
Broilers .....	11,371,723	11,762,222	13,904,023	14,158,926
Farm chickens .....	73,071	60,218	59,043	71,219
Chicken eggs .....	3,789,877	3,892,912	4,776,255	4,539,929
Turkeys .....	2,643,057	2,769,397	3,045,718	2,814,997
Miscellaneous livestock .....	3,770,807	3,987,753	4,224,707	4,261,909

Commodity	1998	1999	2000	2001
All commodities .....	195,982,024	187,480,551	193,695,233	202,849,408
Livestock and products .....	94,112,123	95,610,896	99,559,392	106,431,172
Cattle and calves .....	33,415,407	36,529,975	40,711,033	40,439,877
Hogs .....	9,444,082	8,621,759	11,803,046	12,455,792
Sheep and lambs .....	479,760	462,297	466,474	393,823
Dairy products .....	24,114,036	23,207,093	20,607,889	24,694,531
Broilers .....	15,144,551	15,128,118	13,988,946	16,688,339
Farm chickens .....	75,262	72,712	64,376	46,016
Chicken eggs .....	4,439,446	4,287,164	4,347,994	4,444,864
Turkeys .....	2,616,280	2,754,104	2,765,347	2,729,457
Miscellaneous livestock .....	4,383,299	4,547,674	4,804,287	4,538,473

Commodity	1994	1995	1996	1997
Crops .....	92,980,812	100,831,791	106,347,432	111,214,826
Food grains .....	9,548,491	10,356,077	10,795,279	10,410,552
Feed crops .....	20,310,488	24,516,001	27,250,921	27,141,212
Cotton .....	6,738,770	6,852,715	6,983,125	6,345,803
Tobacco .....	2,656,352	2,548,399	2,794,668	2,873,917
Oil crops .....	14,652,170	15,492,965	16,344,700	19,758,302
Vegetables .....	14,058,378	14,984,318	14,457,168	14,668,839
Fruits/nuts .....	10,325,680	11,075,008	11,903,599	13,144,089
All other crops .....	14,690,483	15,006,308	15,817,972	16,872,112

Commodity	1998	1999	2000	2001
Crops .....	101,869,901	91,869,655	94,135,841	96,418,236
Food grains .....	8,808,347	6,969,197	6,758,338	6,595,289
Feed crops .....	22,633,962	19,554,900	20,775,440	23,245,354
Cotton .....	6,072,960	4,630,256	3,839,868	4,954,043
Tobacco .....	2,802,755	2,272,785	2,314,528	1,880,300
Oil crops .....	17,371,709	13,355,112	13,825,588	14,317,312
Vegetables .....	15,160,371	15,127,492	15,599,877	15,511,608
Fruits/nuts .....	11,840,208	11,953,032	12,625,868	11,742,483
All other crops .....	17,179,563	18,006,882	18,396,333	18,171,847

<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.

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**Table 9-39.—Farm income, United States, 1994–2001 <sup>1</sup>**

Item	1994	1995	1996	1997
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Total gross farm income .....	216.0	210.8	235.8	238.1
Value of Production <sup>2</sup> .....	208.2	203.5	228.4	230.6
Crops .....	100.3	95.7	115.5	112.4
Livestock and products .....	89.8	87.8	92.1	96.5
Services and forestry .....	18.1	19.9	20.8	21.8
Direct government payments .....	7.9	7.3	7.3	7.5
Total production expenses .....	167.2	173.8	181.0	187.6
Net farm income .....	48.9	36.9	54.8	50.5
Gross cash income .....	198.2	205.9	217.7	227.3
Cash expenses .....	147.5	153.3	159.9	166.9
Net cash income .....	50.7	52.5	57.7	60.4

Item	1998	1999	2000	2001
Total gross farm income .....	232.1	234.5	241.7	246.5
Value of production <sup>2</sup> .....	219.7	212.9	218.8	225.8
Crops .....	101.7	92.4	95.0	93.9
Livestock and product .....	94.2	95.3	99.3	106.3
Services and forestry .....	23.8	25.2	24.4	25.6
Direct government payments .....	12.4	21.5	22.9	20.7
Total production expenses .....	186.5	188.3	193.7	200.8
Net farm income .....	45.6	46.2	48.0	45.7
Gross cash income .....	222.3	224.0	230.4	238.5
Cash expenses .....	165.5	166.9	172.0	178.8
Net cash income .....	56.8	57.1	58.4	59.7

<sup>1</sup> Component values and additional details may be found in the value-added and cash income tables on the internet at <http://www.ers.usda.gov/data/farmincome/finfidmu.htm>.

<sup>2</sup> Includes cash receipts, value of change in inventories, and home consumption.

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**Table 9-40.—Expenses: Farm production expenses, United States, 1994–2001**

Item	1994	1995	1996	1997
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Total production expenses .....	167,190,751	173,818,816	180,970,473	187,636,607
Feed purchased .....	22,635,018	23,831,792	25,236,518	26,334,299
Livestock and poultry purchased .....	13,304,604	12,505,851	11,293,747	13,820,317
Seed purchased .....	5,372,789	5,462,110	6,211,914	6,711,329
Fertilizer and lime .....	9,177,120	10,029,109	10,928,918	10,927,288
Pesticides .....	7,219,623	7,718,667	8,518,367	9,017,509
Fuel and oil .....	5,312,504	5,426,405	5,978,952	6,242,613
Electricity .....	2,682,739	2,969,776	3,163,860	3,043,921
Other <sup>1</sup> .....	37,773,985	40,213,495	40,171,057	41,649,074
Interest .....	11,555,708	12,576,470	12,961,117	13,132,569
Contract and hired labor expenses .....	15,310,370	16,293,790	17,331,338	18,410,052
Net rent to nonoperator landlords <sup>2</sup> .....	11,765,291	10,914,217	12,971,368	11,869,985
Capital consumption .....	18,605,561	19,165,709	19,387,396	19,538,617
Property taxes .....	6,475,439	6,711,426	6,815,921	6,939,033

Item	1998	1999	2000	2001
Total production expenses .....	186,502,131	188,273,666	193,659,988	200,770,202
Feed purchased .....	25,031,106	24,527,489	24,526,178	25,225,280
Livestock and poultry purchased .....	12,576,095	13,840,120	16,058,038	15,685,326
Seed purchased .....	7,211,523	7,211,963	7,512,200	8,312,167
Fertilizer and lime .....	10,624,176	9,921,918	10,021,273	10,323,092
Pesticides .....	9,017,479	8,618,108	8,517,483	8,616,897
Fuel and oil .....	5,599,819	5,588,728	7,208,151	7,208,229
Electricity .....	2,908,384	2,986,750	2,999,827	3,531,487
Other <sup>1</sup> .....	42,711,831	43,929,252	42,857,452	45,933,067
Interest .....	13,365,025	13,584,609	14,277,531	14,144,430
Contract and hired labor expenses .....	19,120,408	19,807,826	20,636,566	22,189,470
Net rent to nonoperator landlords <sup>2</sup> .....	11,443,054	11,308,009	11,831,521	12,029,308
Capital consumption .....	19,880,510	20,141,414	20,306,158	20,563,736
Property taxes .....	7,012,721	6,807,480	6,907,609	7,007,714

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

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**Table 9-41.—Farm marketings: Cash receipts, government payments, and principal commodities, by States, 2001**

State	Cash receipts			Government payments	Rank
	Total	Crops	Livestock and roducts		
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
AL .....	3,519,731	705,216	2,814,515	230,734	23-Broilers, cattle/calves, chicken eggs, greenhouse (81%).
AK .....	51,865	23,853	28,012	2,173	49-Greenhouse, potatoes, hay, dairy (45%).
AZ .....	2,574,698	1,409,090	1,165,608	99,254	29-Cattle /calves, lettuce, dairy, cotton (71%).
AR .....	5,131,964	1,624,569	3,507,395	832,545	13-Broilers, cotton, Cattle/calves, soybeans (70%).
CA .....	25,892,319	18,545,880	7,346,439	586,761	1-Dairy, grapes, greenhouse, lettuce (44%).
CO .....	4,728,954	1,354,465	3,374,489	319,599	16-Cattle/calves, dairy, corn, hogs (72%).
CT .....	476,150	298,829	177,321	7,540	44-Greenhouse, dairy, chicken eggs, aquaculture (66%).
DE .....	847,718	185,719	661,999	25,004	39-Broilers, corn, soybeans, greenhouse (83%).
FL .....	6,415,882	4,957,896	1,457,986	108,011	9-Greenhouse, oranges, tomatoes, sugar cane (51%).
GA .....	5,514,952	1,975,220	3,539,732	427,261	11-Broilers, cotton, peanuts, chicken eggs (68%).
HI .....	510,507	419,298	91,209	3,860	42-Pineapples, greenhouse, sugar cane, macadamia nuts (53%).
ID .....	3,847,926	1,787,513	2,060,413	207,664	21-Dairy, cattle/calves, potatoes, hay (73%).
IL .....	7,547,087	5,704,242	1,842,845	1,849,769	8-Corn, soybeans, hogs, cattle/calves (87%).
IN .....	5,105,437	3,235,048	1,870,389	925,278	14-Corn, soybeans, hogs, dairy (76%).
IA .....	11,550,109	5,614,520	5,935,589	1,971,677	3-Hogs, corn, soybeans, cattle/calves (89%).
KS .....	8,121,044	2,585,380	5,535,664	1,068,706	5-Cattle/calves, wheat, corn, sorghum grain (85%).
KY .....	3,548,328	1,280,795	2,267,533	293,379	22-Horses/mules, tobacco, broilers, cattle/calves (67%).
LA .....	1,817,088	1,115,957	701,131	434,612	33-Sugar cane, cotton, cattle/calves, dairy (49%).
ME .....	485,064	210,774	274,290	7,819	43-Dairy, potatoes, aquaculture, chicken eggs (68%).
MD .....	1,596,085	646,712	949,373	86,626	36-Broilers, greenhouse, dairy, corn (71%).
MA .....	366,611	272,925	93,686	10,138	47-Greenhouse, dairy, cranberries, sweet corn (65%).
MI .....	3,469,122	1,979,799	1,489,323	352,766	24-Dairy, greenhouse, corn, soybeans (58%).
MN .....	8,101,875	3,813,440	4,288,435	1,242,141	6-Corn, hogs, dairy, soybeans (67%).
MS .....	3,146,582	871,056	2,275,526	517,007	26-Broilers, cotton, aquaculture, cattle/calves (74%).
MO .....	4,824,141	2,144,809	2,679,332	817,044	15-Cattle/calves, soybeans, corn, hogs (61%).
MT .....	1,785,002	657,248	1,127,754	476,158	34-Cattle/calves, wheat, hay, barley (85%).
NE .....	9,488,580	3,402,349	6,086,231	1,297,623	4-Cattle/calves, corn, soybeans, hogs (91%).
NV .....	424,596	153,300	271,296	5,864	45-Cattle/calves, hay, dairy, greenhouse (86%).
NH .....	155,478	89,644	65,834	2,815	48-Greenhouse, dairy, apples, cattle/calves (77%).
NJ .....	821,070	617,316	203,754	16,403	40-Greenhouse, horses/mules, dairy, blueberries (61%).
NM .....	2,215,122	545,019	1,670,103	93,729	31-Dairy, cattle/calves, hay, greenhouse (83%).
NY .....	3,419,790	1,199,163	2,220,627	114,039	25-Dairy, greenhouse, cattle/calves, apples (71%).
NC .....	7,730,633	3,086,554	4,644,079	330,730	7-Hogs, broilers, greenhouse, tobacco (67%).
ND .....	2,978,548	2,258,615	719,933	944,591	28-Wheat, cattle/calves, soybeans, corn (61%).
OH .....	4,682,011	2,818,473	1,863,538	681,651	17-Soybeans, corn, dairy, greenhouse (62%).
OK .....	4,026,680	873,802	3,152,878	392,822	20-Cattle/calves, hogs, broilers, wheat (79%).
OR .....	3,122,641	2,297,688	824,953	104,946	27-Greenhouse, cattle/calves, dairy, hay (56%).
PA .....	4,454,979	1,308,750	3,146,229	103,462	18-Dairy, cattle/calves, agaricus mushrooms, greenhouse (65%).
RI .....	47,438	39,735	7,703	292	50-Greenhouse, dairy, sweet corn, cattle/calves (78%).
SC .....	1,646,020	763,677	882,343	130,287	35-Broilers, greenhouse, tobacco, cattle/calves (57%).
SD .....	4,107,879	1,852,454	2,255,425	715,264	19-Cattle/calves, corn, soybeans, hogs (78%).
TN .....	2,160,707	1,033,948	1,126,759	247,485	32-Cattle/calves, broilers, dairy, greenhouse (55%).
TX .....	13,795,618	4,456,153	9,339,465	1,703,168	2-Cattle/calves, greenhouse, broilers, cotton (73%).
UT .....	1,116,343	263,082	853,261	39,754	37-Cattle/calves, dairy, hay, hogs (76%).
VT .....	556,779	66,719	490,060	7,877	41-Dairy, cattle/calves, greenhouse, hay (91%).
VA .....	2,443,987	770,785	1,673,202	117,158	30-Broilers, cattle/calves, dairy, turkeys (57%).
WA .....	5,191,920	3,464,259	1,727,661	298,784	12-Dairy, apples, cattle/calves, potatoes (53%).
WV .....	407,570	59,315	348,255	9,842	46-Broilers, cattle/calves, dairy, turkeys (75%).
WI .....	5,896,293	1,432,106	4,464,187	415,110	10-Dairy, cattle/calves, corn, greenhouse (79%).
WY .....	982,545	145,086	837,459	50,272	38-Cattle/calves, hay, hogs, sugar beets (88%).
US .....	202,849,408	96,418,236	106,431,172	20,727,496	Cattle/calves, dairy, corn, broilers (49%).

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**Table 9-42.—Average Income to Farm Operator Households, United States, 1999–2002<sup>1 2</sup>**

Item	1999 <sup>3</sup>	2000	2001	2002
Dollars per farm				
Net cash farm business income <sup>4</sup> .....	13,194	11,175	14,311	10,970
Less depreciation <sup>5</sup> .....	7,027	7,357	7,609	NA
Less wages paid to operator <sup>6</sup> .....	499	608	932	NA
Less farmland rental income <sup>7</sup> .....	802	757	477	NA
Less adjusted farm business income due to other household(s) <sup>8</sup> .....	1,262	801	1,083	NA
Dollars per farm operator household				
Equals adjusted farm business income .....	3,603	1,652	4,211	NA
Plus wages paid to operator .....	499	608	932	NA
Plus net income from farmland rental <sup>9</sup> .....	1,312	NA	NA	NA
Equals farm self-employment income .....	5,415	2,260	5,143	NA
Plus other farm-related earnings <sup>10</sup> .....	944	339	396	NA
Equals earnings of the operator household from farming activities .....	6,359	2,598	5,539	2,439
Plus earnings of the operator household from off-farm sources <sup>11</sup> .....	57,988	59,349	58,578	60,077
Equals average farm operator household income comparable to U.S. average household income, as measured by the CPS .....	64,347	61,947	64,117	62,515
Dollars per U.S. household				
U.S. average household income <sup>12</sup> .....	54,842	57,045	58,208	NA
Percent				
Average farm operator household income as percent of U.S. average household income .....	117.3	108.6	110.2	NA
Average operator household earnings from farming activities as percent of average operator household income .....	9.9	4.2	8.6	3.9

NA = Not available. \*The relative standard error exceeds 25 percent, but is no more than 50 percent. <sup>1</sup>This table derives farm operator household income estimates from the Agricultural Resource Management Study (ARMS) that are consistent with Current Population Survey (CPS) methodology. 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. The CPS definition departs from a strictly cash concept by including depreciation as an expense that farm operators and other self-employed people subtract from gross receipts when reporting net cash income. <sup>2</sup>Preliminary. <sup>3</sup>Prior to 2000, net cash income from operating another farm and net cash income from farm land rental were included in earnings from farming activities. However, because of a change in the ARMS survey design, net cash income from a farm other than the one being surveyed and net income from farm land rentals are not separable from total off-farm income. Although there is no effect upon estimates of farm operator household income in 2000, estimates of farm self-employment, other farm related earnings, earnings of the household from farming activities, and earnings of the farm from off-farm sources are not strictly comparable to those from previous years. <sup>4</sup>A component of farm sector income. Excludes income of contractors and landlords as well as the income of farms organized as non-family corporations or cooperatives and farms run by a hired manager. Includes the income of farms organized as proprietorships, partnerships, and family corporations. <sup>5</sup>Consistent with the CPS definition of self-employment income, reported depreciation expenses are subtracted from net cash income. The ARMS collects farm business depreciation used for tax purposes. <sup>6</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>7</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>8</sup>More than one household may have a claim on the income of a farm business. On average, 1.1 households share the income of a farm business. <sup>9</sup>Includes net rental income from the business. Also includes net rental income from farmland held by household members that is not part of the farm business. Beginning in 2000, net income from farmland rental is considered as part of off-farm income. (See footnote 2.) <sup>10</sup>Wages paid to other operator household members by the farm business and net cash income from a farm business other than the one being surveyed. In 2000, however, net cash income from a farm businesses other than the one being surveyed is included in off-farm earnings. (See footnote 2.) Beginning in 1996, also includes the value of commodities provided to household members for farm work. <sup>11</sup>Wages, salaries, net income from nonfarm businesses, interest, dividends, transfer payments, etc. Beginning in 2000, also includes net cash income from other farm and net cash income from farm rental. (See footnote 2.) <sup>12</sup>From the CPS. Sources: U.S. Dept. of Agriculture, Economic Research Service, 1999, 2000, and 2001 Agricultural Resource Management Study (ARMS) for farm operator household data. U.S. Dept. of Commerce, Bureau of the Census, Current Population Survey (CPS), for U.S. average household income. For information on household income contact: Bob Green (202) 694-5568. Email rgreen@ers.usda.gov or Bob Hoppe (202) 694-5572. Email rhoppe@ers.usda.gov.

ERS, Farm Structure and Performance Branch, (202) 694-5568. Sources: U.S. Dept. of Agriculture, Economic Research Service, 1999-2003 Agricultural Resource Management Study (ARMS) for farm operator household data. U.S. Dept. of Commerce, Bureau of the Census, Current Population Survey (CPS), for U.S. average household income.

**Table 9-43.—Grazing fees: Rates for cattle by selected States and regions, 2001–2002**

State	Monthly lease rates for private non-irrigated grazing land <sup>1</sup>					
	Animal unit <sup>2</sup>		Cow-calf		Per head	
	2001	2002	2001	2002	2001	2002
	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>	<i>Dollars per month</i>
AZ .....	7.00	7.30	9.75	(7)	7.20	7.80
CA .....	13.00	12.80	16.00	16.50	13.50	14.00
CO .....	11.90	12.60	14.20	14.90	12.30	12.80
ID .....	11.50	11.70	13.40	13.70	12.00	12.20
KS .....	12.50	13.00	15.50	16.00	12.50	13.00
MT .....	14.90	15.10	16.70	17.30	16.00	16.30
NE .....	20.60	20.90	24.60	25.00	21.50	22.00
NV .....	10.00	10.50	13.00	11.50	10.70	11.50
NM .....	10.20	8.80	12.50	10.70	10.50	9.90
ND .....	10.30	12.50	12.20	13.50	12.50	12.00
OK .....	8.00	7.50	9.00	8.50	7.50	7.50
OR .....	12.10	11.80	12.80	12.60	9.50	10.20
SD .....	15.70	16.90	18.30	19.10	17.20	18.00
TX .....	8.50	9.00	9.50	10.00	9.00	9.20
UT .....	11.00	11.60	14.00	13.70	11.50	12.10
WA .....	9.10	9.60	11.80	11.00	10.20	9.60
WY .....	12.90	13.50	15.00	15.60	13.10	14.00
17-State <sup>3</sup>	11.90	12.30	13.90	14.20	12.40	12.70
16-State <sup>4</sup>	13.10	13.50	15.50	15.80	13.70	14.00
11-State <sup>5</sup>	12.30	12.50	14.50	14.60	12.60	13.00
9-State <sup>6</sup> ..	11.70	12.20	13.70	14.10	12.30	12.60

<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 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. <sup>7</sup>Insufficient data.

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