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Farm Production Expenditures 2000 Summary

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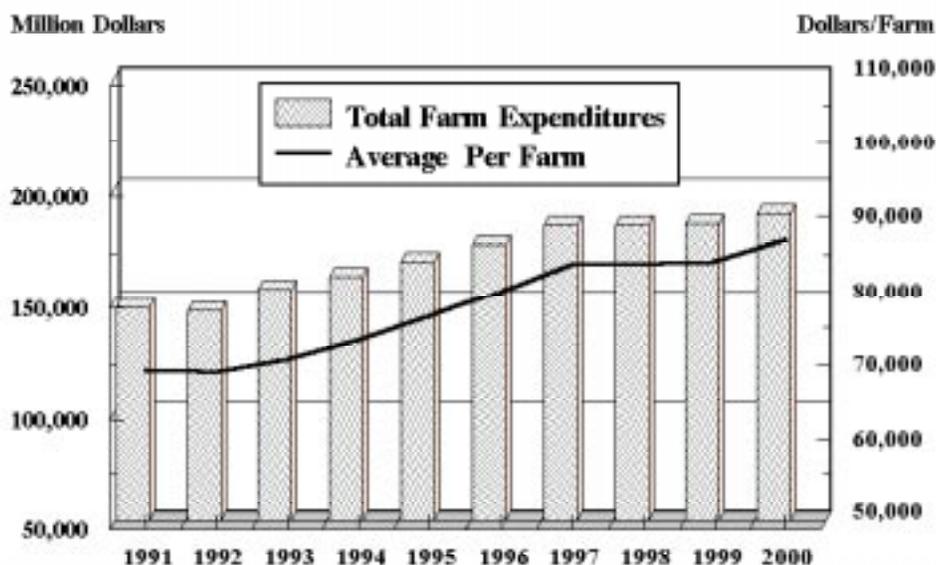
Production Expenditures Up 2.4 Percent in 2000

U.S. farm production expenditures totaled \$188.5 billion in 2000, up 2.4 percent from the revised 1999 total of \$184.1 billion. The largest contributors to the increase were; fuels, up 32.0 percent; farm improvements and construction, up 18.0 percent; livestock and poultry purchases, up 7.1 percent; and other farm machinery up 2.9 percent. These increases were partially offset by decreases in; farm supplies and repairs, down 1.6 percent; farm services, down 1.2 percent; and ag chemicals down 1.2 percent. The largest two expenditure categories were farm services which accounted for 13.5 percent of the U.S. total production expenses, and feed which accounted for 13.0 percent of the U.S. total production expenses. The farm services category includes expense items such as custom work, utilities, marketing charges, veterinary services, transportation costs, and miscellaneous business expenses.

The average expenditures per U.S. farm in 2000 were \$87,035 compared to \$84,195 as revised for 1999. On the average, U.S. farm operations in 2000 spent \$11,728 on farm services; \$11,312 on feed; \$9,142 on labor; \$8,311 on livestock and poultry purchases; and \$7,434 on rent. Revised estimates for 1999 indicated that U.S. farms spent an average of \$11,757 on farm services; \$11,208 on feed; \$9,012 on labor; \$7,685 on livestock and poultry purchases; and \$7,274 on rent.

The Farm Production Region (as defined on page 24) contributing most to the total 2000 U.S. farm production expenditures was the Corn Belt with expenses of \$35.3 billion, 18.7 percent of the U.S. total. Expenditures in the Corn Belt were up 3.0 percent from the 1999 level of \$34.3 billion. In total expenditures, the Corn Belt was followed by the Pacific Region at \$31.2 billion (1999 - \$30.9 billion); Northern Plains \$24.2 billion (1999 - \$23.2 billion); Lake States \$19.4 billion (1999 - \$18.3 billion); and the Southern Plains at \$16.0 billion (1999 - \$15.9 billion).

U.S. Farm Production Expenditures Total and Average Per Farm, 1991-00



**Farm Production Expenditures:
Major Input Items, Total and Percent of Total,
United States, 1999-00 ¹**

Expenditure - Farm Share	1999		2000	
	<i>Million Dollars</i>	<i>Percent</i>	<i>Million Dollars</i>	<i>Percent</i>
Total Farm Production Expenditures ^{2 3}	184,050	100.0	188,500	100.0
Livestock, Poultry & Related Expenses ⁴	16,800	9.1	18,000	9.5
Feed	24,500	13.3	24,500	13.0
Farm Services ⁵	25,700	14.0	25,400	13.5
Rent ⁶	15,900	8.6	16,100	8.5
Agricultural Chemicals ⁷	8,600	4.7	8,500	4.5
Fertilizer, Lime & Soil Conditioners ⁷	9,900	5.4	10,000	5.3
Interest	10,700	5.8	10,900	5.8
Taxes (Real Estate & Property)	6,800	3.7	6,900	3.7
Labor	19,700	10.7	19,800	10.5
Fuels	5,300	2.9	7,000	3.7
Farm Supplies & Repairs ⁸	12,600	6.8	12,400	6.6
Farm Improvements & Construction ⁹	7,100	3.9	8,400	4.5
Tractors and Self-Propelled Farm Machinery	5,400	2.9	5,400	2.9
Other Farm Machinery	3,500	1.9	3,600	1.9
Seeds & Plants ¹⁰	7,200	3.9	7,300	3.9
Trucks & Autos	3,900	2.1	4,000	2.1

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	84,195	87,035	184,050	188,500
Livestock, Poultry & Related Expenses ⁴	30.8	32.4	7,685	8,311	16,800	18,000
Feed	63.0	64.8	11,208	11,312	24,500	24,500
Farm Services ⁵	97.2	97.2	11,757	11,728	25,700	25,400
Rent ⁶	35.5	35.2	7,274	7,434	15,900	16,100
Agricultural Chemicals ⁷	54.2	53.3	3,934	3,925	8,600	8,500
Fertilizer, Lime & Soil Conditioners ⁷	65.0	63.9	4,529	4,617	9,900	10,000
Interest	46.2	45.8	4,895	5,033	10,700	10,900
Taxes (Real Estate & Property)	98.1	99.0	3,111	3,186	6,800	6,900
Labor	37.3	39.3	9,012	9,142	19,700	19,800
Fuels	85.1	86.3	2,425	3,232	5,300	7,000
Farm Supplies & Repairs ⁸	88.6	87.4	5,764	5,725	12,600	12,400
Farm Improvements & Construction ⁹	50.6	51.0	3,248	3,878	7,100	8,400
Tractors and Self-Propelled Farm Machinery	13.8	14.1	2,470	2,493	5,400	5,400
Other Farm Machinery	22.9	25.0	1,601	1,662	3,500	3,600
Seeds & Plants ¹⁰	51.2	51.7	3,294	3,371	7,200	7,300
Trucks & Autos	16.7	17.6	1,784	1,847	3,900	4,000

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Crop Farms, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	100,031	107,192	96,210	98,670
Livestock, Poultry & Related Expenses ⁴	14.2	14.6	1,768	2,086	1,700	1,920
Feed	27.5	27.7	1,560	1,521	1,500	1,400
Farm Services ⁵	95.3	95.1	14,972	15,991	14,400	14,720
Rent ⁶	41.0	39.3	12,986	13,732	12,490	12,640
Agricultural Chemicals ⁷	68.7	69.3	7,819	8,093	7,520	7,450
Fertilizer, Lime & Soil Conditioners ⁷	74.8	71.9	7,839	8,278	7,540	7,620
Interest	49.6	47.6	5,854	6,496	5,630	5,980
Taxes (Real Estate & Property)	97.8	99.3	4,107	4,400	3,950	4,050
Labor	42.1	43.4	14,556	15,100	14,000	13,900
Fuels	84.8	85.7	3,493	4,845	3,360	4,460
Farm Supplies & Repairs ⁸	86.6	83.8	7,912	7,930	7,610	7,300
Farm Improvements & Construction ⁹	44.9	42.7	3,265	4,139	3,140	3,810
Tractors and Self-Propelled Farm Machinery	13.7	15.3	3,337	3,498	3,210	3,220
Other Farm Machinery	22.8	24.6	1,944	2,042	1,870	1,880
Seeds & Plants ¹⁰	67.5	68.7	6,373	6,757	6,130	6,220
Trucks & Autos	17.2	18.1	1,871	2,075	1,800	1,910

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Livestock Farms, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	71,753	72,135	87,840	89,830
Livestock, Poultry & Related Expenses ⁴	42.6	44.6	12,335	12,913	15,100	16,080
Feed	88.4	90.3	18,788	18,550	23,000	23,100
Farm Services ⁵	98.5	98.7	9,231	8,576	11,300	10,680
Rent ⁶	31.6	32.3	2,785	2,778	3,410	3,460
Agricultural Chemicals ⁷	43.9	42.3	882	843	1,080	1,050
Fertilizer, Lime & Soil Conditioners ⁷	58.0	58.5	1,928	1,911	2,360	2,380
Interest	43.7	44.6	4,141	3,951	5,070	4,920
Taxes (Real Estate & Property)	98.3	98.8	2,328	2,289	2,850	2,850
Labor	33.8	36.5	4,656	4,738	5,700	5,900
Fuels	85.3	86.7	1,585	2,040	1,940	2,540
Farm Supplies & Repairs ⁸	90.1	89.9	4,076	4,095	4,990	5,100
Farm Improvements & Construction ⁹	54.6	56.7	3,235	3,686	3,960	4,590
Tractors and Self-Propelled Farm Machinery	13.9	13.3	1,789	1,751	2,190	2,180
Other Farm Machinery	22.9	25.2	1,331	1,381	1,630	1,720
Seeds & Plants ¹⁰	39.5	40.1	874	867	1,070	1,080
Trucks & Autos	16.4	17.2	1,715	1,678	2,100	2,090

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Economic Class Gross Sales \$250,000 and Over, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	722,491	735,495	105,845	107,750
Livestock, Poultry & Related Expenses ⁴	51.4	51.1	84,300	90,444	12,350	13,250
Feed	61.1	59.3	120,819	121,570	17,700	17,810
Farm Services ⁵	100.0	100.0	95,222	94,403	13,950	13,830
Rent ⁶	76.0	76.9	60,887	61,775	8,920	9,050
Agricultural Chemicals ⁷	86.4	88.1	34,608	34,198	5,070	5,010
Fertilizer, Lime & Soil Conditioners ⁷	84.0	85.6	33,379	34,266	4,890	5,020
Interest	87.6	85.2	32,423	33,379	4,750	4,890
Taxes (Real Estate & Property)	98.8	99.0	15,017	15,290	2,200	2,240
Labor	86.2	85.0	100,614	99,113	14,740	14,520
Fuels	98.9	98.3	16,587	22,184	2,430	3,250
Farm Supplies & Repairs ⁸	99.3	99.0	42,184	41,229	6,180	6,040
Farm Improvements & Construction ⁹	74.4	73.5	22,867	25,461	3,350	3,730
Tractors and Self-Propelled Farm Machinery	34.4	32.3	16,314	15,495	2,390	2,270
Other Farm Machinery	44.3	47.7	9,556	9,898	1,400	1,450
Seeds & Plants ¹⁰	81.2	83.5	28,191	28,123	4,130	4,120
Trucks & Autos	33.5	36.8	7,713	7,713	1,130	1,130

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Economic Class Gross Sales \$100,000 - \$249,999, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	170,065	174,702	34,200	35,150
Livestock, Poultry & Related Expenses ⁴	41.9	38.5	10,443	10,537	2,100	2,120
Feed	60.5	59.4	16,211	14,811	3,260	2,980
Farm Services ⁵	100.0	99.9	23,371	23,260	4,700	4,680
Rent ⁶	76.5	76.9	21,382	21,869	4,300	4,400
Agricultural Chemicals ⁷	87.9	88.9	9,995	9,841	2,010	1,980
Fertilizer, Lime & Soil Conditioners ⁷	89.1	87.4	12,133	12,227	2,440	2,460
Interest	80.2	84.3	11,188	11,730	2,250	2,360
Taxes (Real Estate & Property)	98.9	99.0	7,285	7,455	1,465	1,500
Labor	68.7	68.7	12,357	13,072	2,485	2,630
Fuels	96.4	98.7	6,116	8,201	1,230	1,650
Farm Supplies & Repairs ⁸	98.7	98.9	12,929	12,922	2,600	2,600
Farm Improvements & Construction ⁹	64.0	65.2	4,973	6,213	1,000	1,250
Tractors and Self-Propelled Farm Machinery	23.1	25.3	5,520	5,865	1,110	1,180
Other Farm Machinery	44.5	41.3	4,028	4,125	810	830
Seeds & Plants ¹⁰	86.3	85.8	8,155	8,499	1,640	1,710
Trucks & Autos	29.2	26.4	3,531	3,678	710	740

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Economic Class Gross Sales \$40,000 - \$99,999, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	75,115	78,925	17,900	18,350
Livestock, Poultry & Related Expenses ⁴	36.2	40.1	4,154	4,387	990	1,020
Feed	60.0	62.4	5,602	5,892	1,335	1,370
Farm Services ⁵	99.6	100.0	11,750	11,871	2,800	2,760
Rent ⁶	65.2	68.9	6,966	7,269	1,660	1,690
Agricultural Chemicals ⁷	80.9	80.8	3,714	3,828	885	890
Fertilizer, Lime & Soil Conditioners ⁷	87.1	81.8	5,455	5,376	1,300	1,250
Interest	64.7	70.6	5,623	6,022	1,340	1,400
Taxes (Real Estate & Property)	98.4	98.9	4,091	4,215	975	980
Labor	54.1	55.7	4,868	5,161	1,160	1,200
Fuels	96.7	96.8	2,854	3,656	680	850
Farm Supplies & Repairs ⁸	97.7	98.9	6,672	6,409	1,590	1,490
Farm Improvements & Construction ⁹	59.7	58.1	2,916	3,871	695	900
Tractors and Self-Propelled Farm Machinery	15.5	21.4	2,812	3,140	670	730
Other Farm Machinery	30.1	39.0	1,972	1,978	470	460
Seeds & Plants ¹⁰	79.7	80.1	3,315	3,441	790	800
Trucks & Autos	21.1	20.7	2,182	2,258	520	525

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Economic Class Gross Sales \$10,000 - \$39,999, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	32,094	34,015	13,120	14,140
Livestock, Poultry & Related Expenses ⁴	31.4	34.9	1,884	2,357	770	980
Feed	58.7	65.0	2,348	2,478	960	1,030
Farm Services ⁵	99.3	99.4	5,186	5,004	2,120	2,080
Rent ⁶	42.9	38.0	1,835	1,684	750	700
Agricultural Chemicals ⁷	63.8	63.0	1,174	1,095	480	455
Fertilizer, Lime & Soil Conditioners ⁷	73.8	72.3	1,994	1,936	815	805
Interest	45.8	46.1	2,458	2,357	1,005	980
Taxes (Real Estate & Property)	98.8	98.4	2,226	2,165	910	900
Labor	41.5	41.1	1,822	2,249	745	935
Fuels	91.5	91.8	1,296	1,636	530	680
Farm Supplies & Repairs ⁸	94.1	94.7	2,911	2,983	1,190	1,240
Farm Improvements & Construction ⁹	51.1	55.2	1,896	2,646	775	1,100
Tractors and Self-Propelled Farm Machinery	13.3	12.9	1,529	1,564	625	650
Other Farm Machinery	22.6	24.8	930	1,022	380	425
Seeds & Plants ¹⁰	63.2	60.9	1,089	1,131	445	470
Trucks & Autos	16.2	19.2	1,443	1,648	590	685

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Economic Class Gross Sales Less Than \$10,000, United States, 1999-00 ¹**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	10,900	11,206	12,985	13,110
Livestock, Poultry & Related Expenses ⁴	25.0	26.6	495	539	590	630
Feed	65.7	66.8	1,045	1,120	1,245	1,310
Farm Services ⁵	95.1	95.1	1,788	1,752	2,130	2,050
Rent ⁶	15.2	15.1	227	222	270	260
Agricultural Chemicals ⁷	36.0	34.0	130	141	155	165
Fertilizer, Lime & Soil Conditioners ⁷	51.2	50.7	382	397	455	465
Interest	31.8	29.3	1,137	1,086	1,355	1,270
Taxes (Real Estate & Property)	97.6	99.2	1,049	1,094	1,250	1,280
Labor	21.2	24.7	478	440	570	515
Fuels	76.9	78.6	361	487	430	570
Farm Supplies & Repairs ⁸	82.0	79.1	873	880	1,040	1,030
Farm Improvements & Construction ⁹	43.4	42.8	1,074	1,214	1,280	1,420
Tractors and Self-Propelled Farm Machinery	9.6	8.9	508	487	605	570
Other Farm Machinery	15.2	16.6	369	372	440	435
Seeds & Plants ¹⁰	31.8	33.1	164	171	195	200
Trucks & Autos	11.8	12.5	797	786	950	920

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Northeast Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	77,615	79,664	11,650	11,870
Livestock, Poultry & Related Expenses ⁴	27.5	30.0	4,131	4,430	620	660
Feed	54.2	63.2	14,990	14,430	2,250	2,150
Farm Services ⁵	96.1	98.7	11,792	11,007	1,770	1,640
Rent ⁶	31.6	25.6	1,732	1,812	260	270
Agricultural Chemicals ⁷	53.5	45.8	1,932	2,013	290	300
Fertilizer, Lime & Soil Conditioners ⁷	73.1	60.2	2,632	2,718	395	405
Interest	40.4	44.5	3,764	4,161	565	620
Taxes (Real Estate & Property)	98.0	99.9	4,064	3,960	610	590
Labor	37.0	36.7	10,326	10,872	1,550	1,620
Fuels	91.0	90.1	2,099	2,819	315	420
Farm Supplies & Repairs ⁸	94.1	93.7	6,729	6,846	1,010	1,020
Farm Improvements & Construction ⁹	57.3	65.3	4,464	5,638	670	840
Tractors and Self-Propelled Farm Machinery	15.0	14.2	2,032	1,711	305	255
Other Farm Machinery	28.5	25.3	2,132	2,013	320	300
Seeds & Plants ¹⁰	54.0	51.4	2,898	3,356	435	500
Trucks & Autos	15.6	16.3	1,666	1,711	250	255

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Lake States Region, 1999-00¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	86,754	93,269	18,305	19,400
Livestock, Poultry & Related Expenses ⁴	29.6	34.6	5,118	6,058	1,080	1,260
Feed	56.6	62.0	10,379	10,721	2,190	2,230
Farm Services ⁵	96.3	94.4	11,090	11,587	2,340	2,410
Rent ⁶	38.4	38.9	6,398	7,067	1,350	1,470
Agricultural Chemicals ⁷	62.3	57.0	4,289	4,495	905	935
Fertilizer, Lime & Soil Conditioners ⁷	62.5	67.8	4,502	4,760	950	990
Interest	59.4	60.9	6,303	6,442	1,330	1,340
Taxes (Real Estate & Property)	97.6	99.6	4,408	4,615	930	960
Labor	35.1	39.4	7,299	8,125	1,540	1,690
Fuels	85.2	87.8	2,512	3,365	530	700
Farm Supplies & Repairs ⁸	89.7	90.6	7,393	7,740	1,560	1,610
Farm Improvements & Construction ⁹	53.6	47.3	4,408	5,144	930	1,070
Tractors and Self-Propelled Farm Machinery	19.6	19.7	3,318	3,438	700	715
Other Farm Machinery	39.3	40.5	2,796	2,740	590	570
Seeds & Plants ¹⁰	66.4	68.3	4,716	5,000	995	1,040
Trucks & Autos	16.7	18.4	1,588	1,779	335	370

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Corn Belt Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	79,814	82,958	34,320	35,340
Livestock, Poultry & Related Expenses ⁴	32.5	33.1	5,895	6,808	2,535	2,900
Feed	58.9	57.7	8,605	8,803	3,700	3,750
Farm Services ⁵	97.8	98.0	7,860	8,052	3,380	3,430
Rent ⁶	41.0	41.9	13,581	13,920	5,840	5,930
Agricultural Chemicals ⁷	62.2	61.1	5,209	5,282	2,240	2,250
Fertilizer, Lime & Soil Conditioners ⁷	68.5	68.8	6,442	6,549	2,770	2,790
Interest	54.3	58.2	5,093	5,117	2,190	2,180
Taxes (Real Estate & Property)	99.3	99.7	3,628	3,779	1,560	1,610
Labor	31.4	32.8	3,372	3,122	1,450	1,330
Fuels	83.8	85.9	2,140	2,864	920	1,220
Farm Supplies & Repairs ⁸	89.2	88.2	4,744	4,671	2,040	1,990
Farm Improvements & Construction ⁹	50.5	50.0	2,698	3,263	1,160	1,390
Tractors and Self-Propelled Farm Machinery	15.2	14.0	2,791	2,676	1,200	1,140
Other Farm Machinery	25.9	29.1	1,663	1,690	715	720
Seeds & Plants ¹⁰	63.9	63.7	4,581	4,695	1,970	2,000
Trucks & Autos	15.1	14.5	1,372	1,573	590	670

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Northern Plains Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	126,803	134,015	23,205	24,230
Livestock, Poultry & Related Expenses ⁴	38.2	30.4	25,082	24,889	4,590	4,500
Feed	63.6	58.9	12,077	11,394	2,210	2,060
Farm Services ⁵	98.1	96.7	14,481	14,823	2,650	2,680
Rent ⁶	59.4	62.0	15,519	16,593	2,840	3,000
Agricultural Chemicals ⁷	64.6	68.4	5,738	6,084	1,050	1,100
Fertilizer, Lime & Soil Conditioners ⁷	65.9	64.5	7,049	7,854	1,290	1,420
Interest	64.6	64.3	8,197	8,186	1,500	1,480
Taxes (Real Estate & Property)	97.7	99.3	5,328	5,531	975	1,000
Labor	39.9	41.0	4,727	5,144	865	930
Fuels	88.1	88.5	4,098	5,973	750	1,080
Farm Supplies & Repairs ⁸	94.0	83.9	8,361	8,628	1,530	1,560
Farm Improvements & Construction ⁹	47.7	49.3	2,650	3,706	485	670
Tractors and Self-Propelled Farm Machinery	17.9	17.5	3,579	4,010	655	725
Other Farm Machinery	27.3	32.1	2,486	3,097	455	560
Seeds & Plants ¹⁰	62.4	67.8	4,754	5,365	870	970
Trucks & Autos	25.1	26.0	2,514	2,600	460	470

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Appalachian Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	45,784	45,351	14,170	13,900
Livestock, Poultry & Related Expenses ⁴	26.5	31.1	5,008	5,155	1,550	1,580
Feed	69.8	67.7	9,790	9,625	3,030	2,950
Farm Services ⁵	98.0	95.8	5,557	5,318	1,720	1,630
Rent ⁶	26.2	24.1	2,585	2,382	800	730
Agricultural Chemicals ⁷	56.5	54.3	1,648	1,501	510	460
Fertilizer, Lime & Soil Conditioners ⁷	72.8	75.4	2,520	2,431	780	745
Interest	31.7	35.7	2,084	1,990	645	610
Taxes (Real Estate & Property)	97.8	100.0	1,147	1,207	355	370
Labor	39.5	44.2	3,942	3,785	1,220	1,160
Fuels	90.4	90.7	1,389	1,762	430	540
Farm Supplies & Repairs ⁸	90.6	89.9	2,746	2,708	850	830
Farm Improvements & Construction ⁹	46.8	50.5	1,809	1,892	560	580
Tractors and Self-Propelled Farm Machinery	9.7	12.9	1,729	1,811	535	555
Other Farm Machinery	18.1	22.3	1,066	1,044	330	320
Seeds & Plants ¹⁰	53.0	55.5	1,292	1,240	400	380
Trucks & Autos	13.7	17.0	1,357	1,436	420	440

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Average per Farm, Farms Reporting, and Total,
Southeast Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	71,607	71,879	12,030	11,860
Livestock, Poultry & Related Expenses ⁴	29.4	23.5	4,107	4,242	690	700
Feed	66.2	71.9	13,750	13,636	2,310	2,250
Farm Services ⁵	98.5	99.0	10,952	10,061	1,840	1,660
Rent ⁶	19.8	21.3	1,845	1,939	310	320
Agricultural Chemicals ⁷	53.2	50.3	4,048	3,788	680	625
Fertilizer, Lime & Soil Conditioners ⁷	75.8	67.8	4,048	3,879	680	640
Interest	37.3	33.0	3,542	3,394	595	560
Taxes (Real Estate & Property)	97.8	99.2	1,905	1,879	320	310
Labor	33.3	41.3	10,119	11,333	1,700	1,870
Fuels	89.4	87.1	2,024	2,606	340	430
Farm Supplies & Repairs ⁸	89.6	89.3	4,315	4,485	725	740
Farm Improvements & construction ⁹	48.8	46.5	3,065	3,030	515	500
Tractors and Self-Propelled Farm Machinery	12.2	11.2	2,113	2,000	355	330
Other Farm Machinery	15.1	17.9	952	1,030	160	170
Seeds & Plants ¹⁰	42.5	36.3	2,798	2,606	470	430
Trucks & Autos	14.2	18.4	1,786	1,788	300	295

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Delta Region, 1999-00** ¹³

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	75,720	75,934	9,200	9,150
Livestock, Poultry & Related Expenses ⁴	35.5	31.3	6,255	6,058	760	730
Feed	74.4	74.0	14,156	13,610	1,720	1,640
Farm Services ⁵	98.4	95.5	10,617	10,456	1,290	1,260
Rent ⁶	31.2	30.0	6,091	6,141	740	740
Agricultural Chemicals ⁷	43.6	35.1	6,049	5,643	735	680
Fertilizer, Lime & Soil Conditioners ⁷	66.9	65.5	4,074	4,066	495	490
Interest	43.5	39.6	3,498	3,320	425	400
Taxes (Real Estate & Property)	97.1	95.4	1,276	1,328	155	160
Labor	33.4	34.4	5,309	4,979	645	600
Fuels	88.1	79.3	2,757	3,485	335	420
Farm Supplies & Repairs ⁸	89.9	78.2	4,979	4,813	605	580
Farm Improvements & Construction ⁹	54.5	45.6	2,222	3,154	270	380
Tractors and Self-Propelled Farm Machinery	14.3	12.6	2,469	2,905	300	350
Other Farm Machinery	18.4	17.4	1,152	1,411	140	170
Seeds & Plants ¹⁰	45.8	44.1	2,551	2,490	310	300
Trucks & Autos	20.0	14.5	2,016	1,909	245	230

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Southern Plains Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	50,981	51,511	15,855	16,020
Livestock, Poultry & Related Expenses ⁴	33.6	34.1	7,653	8,264	2,380	2,570
Feed	75.7	81.2	6,817	6,720	2,120	2,090
Farm Services ⁵	95.4	97.9	8,006	7,685	2,490	2,390
Rent ⁶	33.8	35.5	3,183	3,023	990	940
Agricultural Chemicals ⁷	37.9	42.6	1,302	1,350	405	420
Fertilizer, Lime & Soil Conditioners ⁷	55.3	59.2	2,347	2,347	730	730
Interest	37.4	31.4	2,830	3,119	880	970
Taxes (Real Estate & Property)	99.0	98.5	1,961	1,929	610	600
Labor	34.5	38.0	3,826	3,730	1,190	1,160
Fuels	78.2	84.0	1,801	2,283	560	710
Farm Supplies & Repairs ⁸	81.7	83.8	3,312	3,023	1,030	940
Farm Improvements & Construction ⁹	48.8	52.4	2,363	2,605	735	810
Tractors and Self-Propelled Farm Machinery	11.7	12.3	1,463	1,495	455	465
Other Farm Machinery	18.7	19.2	900	965	280	300
Seeds & Plants ¹⁰	35.4	37.3	1,238	1,158	385	360
Trucks & Autos	15.8	18.6	1,849	1,704	575	530

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Mountain Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	108,837	118,251	14,410	15,550
Livestock, Poultry & Related Expenses ⁴	32.0	37.8	12,840	14,449	1,700	1,900
Feed	61.6	61.9	13,973	14,525	1,850	1,910
Farm Services ⁵	97.6	98.7	16,767	17,871	2,220	2,350
Rent ⁶	42.5	42.2	8,233	8,213	1,090	1,080
Agricultural Chemicals ⁷	43.6	43.8	3,134	3,270	415	430
Fertilizer, Lime & Soil Conditioners ⁷	48.9	35.6	4,909	4,639	650	610
Interest	50.8	51.5	7,100	8,213	940	1,080
Taxes (Real Estate & Property)	97.6	96.2	3,285	3,384	435	445
Labor	41.6	44.8	12,387	13,840	1,640	1,820
Fuels	79.2	83.2	3,474	5,171	460	680
Farm Supplies & Repairs ⁸	86.9	88.0	7,628	7,985	1,010	1,050
Farm Improvements & Construction ⁹	55.9	55.3	3,965	5,703	525	750
Tractors and Self-Propelled Farm Machinery	13.5	16.3	3,248	3,118	430	410
Other Farm Machinery	19.6	21.3	1,964	1,901	260	250
Seeds & Plants ¹⁰	38.8	31.2	2,908	2,814	385	370
Trucks & Autos	21.6	25.1	2,606	2,966	345	390

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Farms Reporting, Average per Farm, and Total,
Pacific Region, 1999-00 ¹³**

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	182,330	186,149	30,905	31,180
Livestock, Poultry & Related Expenses ⁴	22.3	36.5	5,280	7,164	895	1,200
Feed	42.2	46.3	18,407	20,716	3,120	3,470
Farm Services ⁵	95.7	97.8	35,398	35,522	6,000	5,950
Rent ⁶	28.6	24.4	9,912	9,672	1,680	1,620
Agricultural Chemicals ⁷	56.2	61.0	8,083	7,761	1,370	1,300
Fertilizer, Lime & Soil Conditioners ⁷	55.1	54.3	6,844	7,045	1,160	1,180
Interest	43.9	34.7	9,617	9,910	1,630	1,660
Taxes (Real Estate & Property)	96.5	98.6	5,015	5,104	850	855
Labor	56.8	47.2	46,608	45,493	7,900	7,620
Fuels	80.3	82.0	3,894	4,776	660	800
Farm Supplies & Repairs ⁸	84.0	85.8	13,215	12,418	2,240	2,080
Farm Improvements & Construction ⁹	49.2	49.9	7,375	8,418	1,250	1,410
Tractors and Self-Propelled Farm Machinery	10.6	11.1	2,743	2,716	465	455
Other Farm Machinery	14.6	17.8	1,475	1,433	250	240
Seeds & Plants ¹⁰	33.2	40.4	5,782	5,672	980	950
Trucks & Autos	16.3	11.2	2,242	2,090	380	350

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Total,
United States, 1995-00 ¹**

Expenditure - Farm Share	1995	1996	1997	1998	1999	2000
	<i>Million Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>	<i>Million Dollars</i>
Total Farm Production Expenditures ^{2 3}	167,800	174,950	183,180	183,150	184,050	188,500
Livestock, Poultry & Related Expenses ⁴	15,000	12,800	14,200	14,500	16,800	18,000
Feed	23,800	25,200	26,300	25,000	24,500	24,500
Farm Services ⁵	23,800	23,500	24,700	25,000	25,700	25,400
Rent ⁶	16,000	18,300	18,470	17,300	15,900	16,100
Agricultural Chemicals ⁷	7,700	8,500	9,000	9,000	8,600	8,500
Fertilizer, Lime & Soil Conditioners ⁷	10,000	10,900	10,900	10,600	9,900	10,000
Interest	10,300	10,400	10,500	10,800	10,700	10,900
Taxes (Real Estate & Property)	6,400	6,500	6,650	6,800	6,800	6,900
Labor	16,000	17,100	18,300	19,000	19,700	19,800
Fuels	5,500	5,800	6,000	5,400	5,300	7,000
Farm Supplies & Repairs ⁸	11,500	11,800	12,300	12,200	12,600	12,400
Farm Improvements & Construction ⁹	5,200	5,900	6,100	6,450	7,100	8,400
Tractors and Self-Propelled Farm Machinery	4,750	5,000	5,400	6,000	5,400	5,400
Other Farm Machinery	3,100	3,350	3,410	3,550	3,500	3,600
Seeds & Plants ¹⁰	5,450	6,200	6,700	7,200	7,200	7,300
Trucks & Autos	2,800	3,300	3,800	4,000	3,900	4,000

See footnotes on page 23.

**Farm Production Expenditures:
Major Input Items, Percent of Total,
United States, 1995-00 ¹**

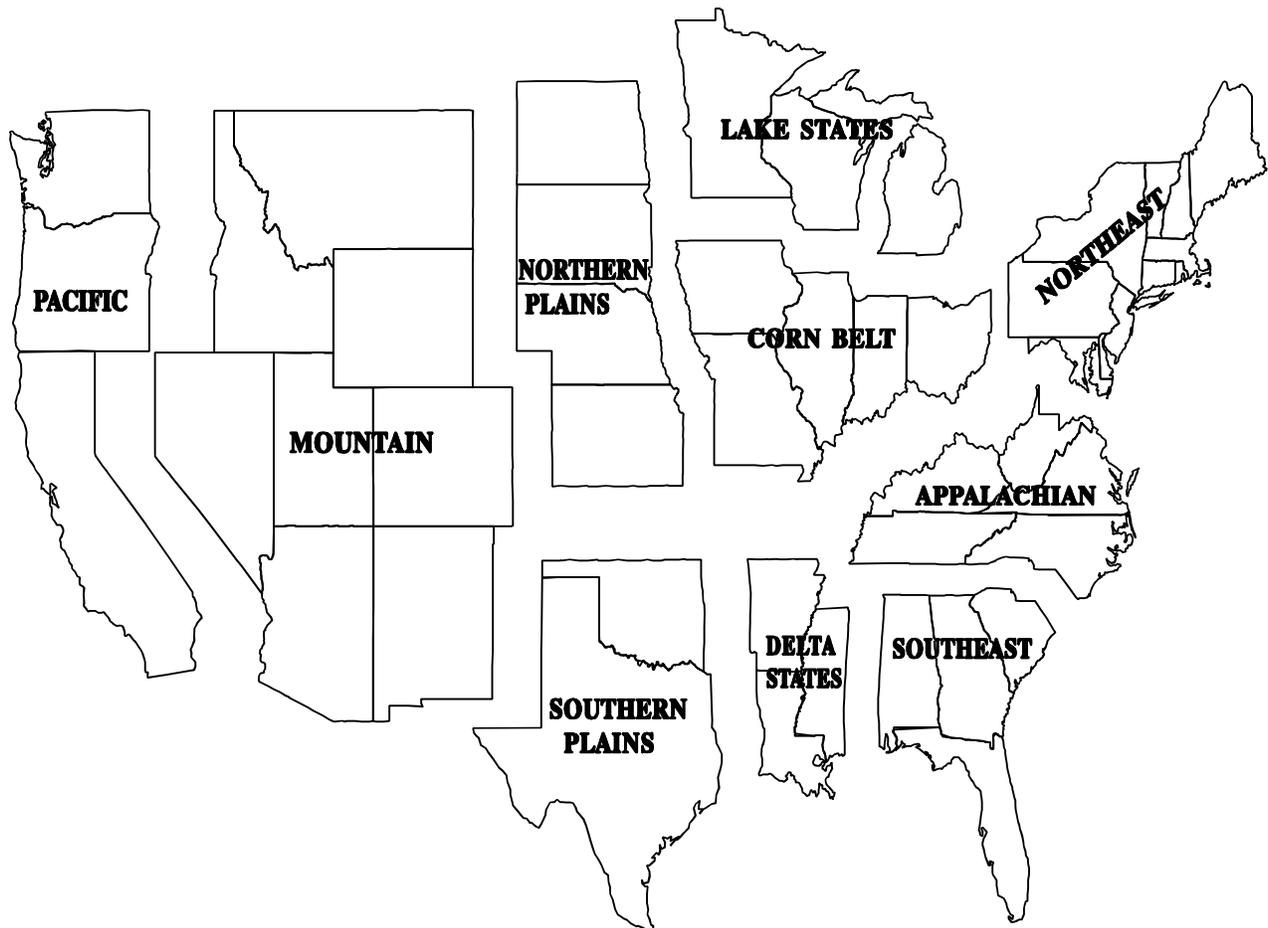
Expenditure - Farm Share	1995	1996	1997	1998	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Total Farm Production Expenditures ^{2 3}	100.0	100.0	100.0	100.0	100.0	100.0
Livestock, Poultry & Related Expenses ⁴	8.9	7.3	7.8	7.9	9.1	9.5
Feed	14.2	14.4	14.4	13.7	13.3	13.0
Farm Services ⁵	14.2	13.4	13.5	13.7	14.0	13.5
Rent ⁶	9.5	10.5	10.1	9.4	8.6	8.5
Agricultural Chemicals ⁷	4.6	4.9	4.9	4.9	4.7	4.5
Fertilizer, Lime & Soil Conditioners ⁷	6.0	6.2	6.0	5.8	5.4	5.3
Interest	6.1	5.9	5.7	5.9	5.8	5.8
Taxes (Real Estate & Property)	3.8	3.7	3.6	3.7	3.7	3.7
Labor	9.5	9.8	10.0	10.4	10.7	10.5
Fuels	3.3	3.3	3.3	2.9	2.9	3.7
Farm Supplies & Repairs ⁸	6.9	6.7	6.7	6.7	6.8	6.6
Farm Improvements & Construction ⁹	3.1	3.4	3.3	3.5	3.9	4.5
Tractors and Self-Propelled Farm Machinery	2.8	2.9	2.9	3.3	2.9	2.9
Other Farm Machinery	1.8	1.9	1.9	1.9	1.9	1.9
Seeds & Plants ¹⁰	3.2	3.5	3.7	3.9	3.9	3.9
Trucks & Autos	1.7	1.9	2.1	2.2	2.1	2.1

See footnotes on page 23.

Footnotes

- ¹ Excludes AK and HI.
- ² Total includes production costs not allocated to any of the 16 expense categories published.
- ³ Includes landlord and contractor share of farm production expenses.
- ⁴ Includes purchases and leasing of livestock and poultry.
- ⁵ Includes all crop custom work, veterinary services, custom feeding, transportation costs, marketing charges, insurance, leasing of machinery and equipment, miscellaneous business expenses, and utilities.
- ⁶ Includes public and private grazing fees.
- ⁷ Includes material and application costs.
- ⁸ Includes bedding and litter, marketing containers, power farm shop equipment, miscellaneous non-capital equipment and supplies, repairs and maintenance of livestock and poultry equipment, and capital equipment for livestock and poultry.
- ⁹ Includes all expenditures related to new construction or repairs of buildings and fences, and any improvements to physical structures of land.
- ¹⁰ Excludes bedding plants, nursery stock, and seed purchased for resale. Includes seed treatment.
- ¹¹ Number of farms reporting item divided by total number of farms.
- ¹² Total expenditures divided by total number of farms.
- ¹³ Regions consist of the following States:
Northeast: CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT;
Lake States: MI, MN, WI;
Corn Belt: IL, IN, IA, MO, OH;
Northern Plains: KS, NE, ND, SD;
Appalachian: KY, NC, TN, VA, WV;
Southeast: AL, FL, GA, SC;
Delta: AR, LA, MS;
Southern Plains: OK, TX;
Mountain: AZ, CO, ID, MT, NV, NM, UT, WY;
Pacific: CA, OR, WA.
See next page for regional map.

Farm Production Expenditure Regions



Northeast	CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT.
Lake States	MI, MN, WI.
Corn Belt	IL, IN, IA, MO, OH.
Northern Plains	KS, NE, ND, SD.
Appalachian	KY, NC, TN, VA, WV.
Southeast	AL, FL, GA, SC.
Delta States	AR, LA, MS.
Southern Plains	OK, TX.
Mountain	AZ, CO, ID, MT, NV, NM, UT, WY.
Pacific	CA, OR, WA.

Estimating Procedures and Reliability

Program Changes: The National Agricultural Statistics Service (NASS) initiated an estimation program in calendar year 1993 for farm production expenditures. Farm Production Expenditure publications for prior years included only survey indications for expenditures at the U.S. level and other geographic, size, and type of farm levels. Estimates are currently published based on survey indications and other check data for major groupings of farm production expenses for the U.S., 10 Farm Production Regions, 5 U.S. Economic Sales Classes, and U.S. Crop and Livestock Farms. Previous year's data are subject to revision as additional indications and check data are available.

In 1996, the Agricultural Resource Management Study (ARMS) was developed from a combining of the previous Farm Costs and Returns Survey (FCRS) and the Cropping Practice Survey (CPS). The initiative to combine these surveys came from a growing interest in tying the resources used in agricultural production and the farm financial information to the relationships between various production practices and farm financial conditions; and the need to improve the efficiency of data collection by combining identical information collected in both the CPS and the FCRS into one survey. Because of the variety of issues needing to be addressed with ARMS, it was designed with a flexible structure that allowed different questionnaire versions to focus more specifically on topics of interest. The ARMS was conducted in three phases. Survey phases one and two screened for farms with specific commodities of interest and collected agricultural production, resource use, and cost of production information. The third phase of the survey collected farm production expenditure data similar to the previous FCRS.

One of the primary uses of farm production expenditure data is for weighting in the construction of prices paid indexes. In early 1995, NASS completed a revision of the indexes which included changes in the structure of components estimated and subsequently, the relative weights used in the construction of the indexes. Changes were made in an effort to simplify updating of component items and also to establish more appropriate weights for the series. In a combined effort to facilitate this process, changes were made in component items estimated in this publication. The changes made include: grazing fees were moved from the Farm Services category to Rent; oils and lubricants were moved from Fuels to Farm Supplies and Repairs; repairs and maintenance expenditures were moved from Other Farm Machinery to Farm Supplies and Repairs; and the category Building and Fencing along with Farm and Land Improvements were combined into one category called Farm Improvements and Construction. Estimates for these levels were revised back to 1990 at the U.S. level to provide a more useful series for data users.

Survey Procedures: The farm production expenditure data contained in this publication are the result of a sample survey of nearly 17,903 farms and ranches contacted in February through April 2001 in all States except Alaska and Hawaii. The Agricultural Resource Management Study covers the population of farms in the 48 contiguous States defined as "all establishments which sold or would normally have sold at least \$1,000 of agricultural products during the previous year". These establishments are not only traditional agricultural operations such as grain farms and dairy operations, but also specialty farms such as orchards, nurseries, and those producing fish in captivity.

The Agricultural Resource Management Study is a multiple frame survey which utilizes a list frame and a complementary area frame. The list frame typically represents the larger, more specialized operations contributing the greater portion of the data expansions. The area frame provides coverage for the smaller operations that are not available for sampling from the list. Since all of the operators on the list frame are also part of the area frame, rigorous procedures are followed to be certain that an operation is only included in the data expansions once. These multiple frame expansions are unbiased and provide more precise expansions than could be obtained by using the area frame alone.

Special training occurs prior to the Agricultural Resource Management Study period to insure consistent and proper execution of survey procedures in farm determination, data collection, and editing of detailed expense and income data.

Field and office staff edit data using hand and machine edit procedures. Questionnaires are reviewed for consistency, data relationships, and completeness. Past analysis has shown approximately half of the edits simply correct for data misplacement errors. In cases where respondents are unable or unwilling to report data for any item on the questionnaire, the field enumerators or survey statisticians can impute a value. For income, related debt/asset data, and a few expense items statisticians are allowed to enter a (-1) to indicate a missing value and an algorithm within the edit will compute and input the missing value based on similar size and type of operations. The computer generated imputation has not been implemented for all expenditure data because NASS analysis has shown there are significantly fewer missing data cells on expenses than on income. Missing values for expense items, where no data are reported, are edited to a positive value based on other reported values from similar operations by the survey statistician.

Data Comparability: This publication includes estimates for 1999 and 2000 farm production expenditures for the U.S., 10 Farm Production Expenditure Regions, 5 Economic Sales Classes, and Crop and Livestock Farms. Total expenditures and expenses for major input items at the U.S. level are provided back through 1995 to provide data users a comparable data series.

Some of the expenditure estimates published in this report will differ from production expense estimates published in the Economic Research Service's "Farm Business Economics Report". The Economic Research Service (ERS), the agency responsible for estimates of farm income, treats agriculture as a sector in the U.S. economy while the National Agricultural Statistics Service is interested in annual production expenditures as a cash outlay to farming operations.

In most cases, items that would be considered cash farm operating expenditures are estimated the same by both agencies (NASS and ERS) with the estimates established during a joint national board. This would include production inputs such as feed, seed, fertilizer, chemicals, and labor. There is a major difference in accounting between NASS and ERS for reporting capital expenditures. NASS considers capital expenditures such as purchases of vehicles and construction of buildings as a cash outlay for the farming operation while ERS recognizes the contribution of the expenditure as a depreciable asset to the farm sector. NASS interest expense includes the reported farm share of the household and excludes landlord interest expenditures. ERS excludes the nonfarm share of interest expense but includes landlord interest expense. An additional difference in methodology exists for livestock & poultry expenditures. ERS does not include farm to farm sales of livestock as this would not be a cost to the sector account -- only an expense to the farm making the purchase and income to the farm making the sale.

Data Reliability: Two types of errors, sampling and nonsampling, are possible in an estimate based on a sample survey. Both types affect the "precision" of the estimates. Sampling error occurs because a complete census is not taken. The sampling error measures the variation in estimates from the average of all possible samples. An estimate of 100 with a sampling error of 1 would mean that chances are 19 out of 20 that the estimates from all possible samples averaged together would be between 98 and 102 which is the survey estimate plus or minus two times the sampling error. The sampling error expressed as a percent of the estimate is called the relative sampling error.

For 2000 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.8 percent; from 3.4 to 12.3 percent at the Regional level; from 3.5 to 6.5 at the U.S. Economic Sales Class level; 3.0 for Crop Farms; 4.9 for Livestock Farms. For 1999 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.5 percent; from 3.4 to 10.1 percent at the Regional level. The relative sampling errors for major expense items at the U.S. level typically range from 3.3 to 10.5 percent.

Data from sample surveys are also influenced by non-sampling errors which are not always measurable or known. Non-sampling errors may be introduced by enumerators, respondents, questionnaire design, or field and office procedures. Efforts are made to minimize these errors and maintain survey accuracy through proper training of all individuals involved with the survey, detailed review and verification of data, and analysis of data for comparability and consistency.

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