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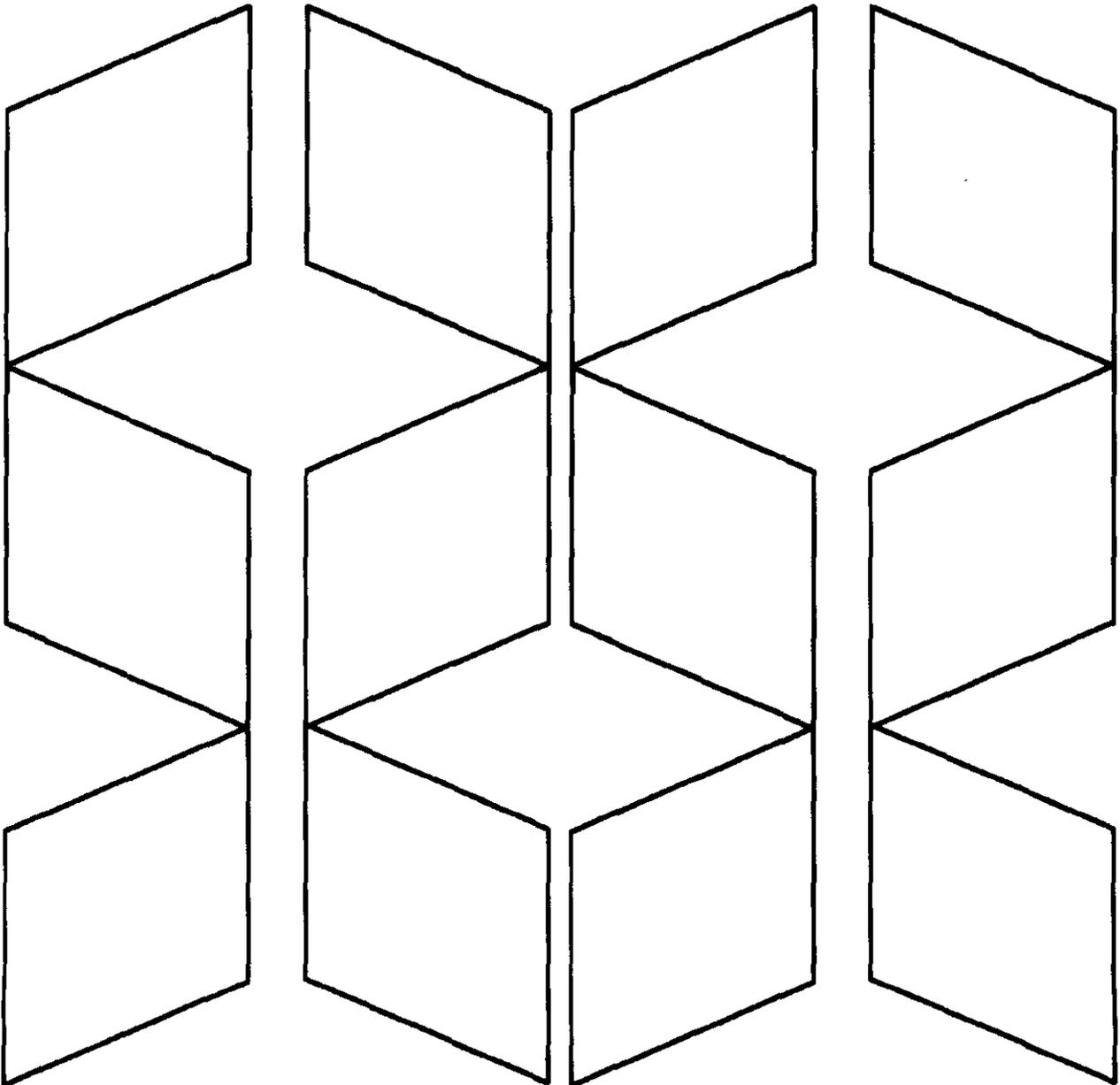
Agricultural
Statistics
Board

Washington, D.C.



Farm Production Expenditures 1992 Summary

September 1993
Sp Sy 5 (93)



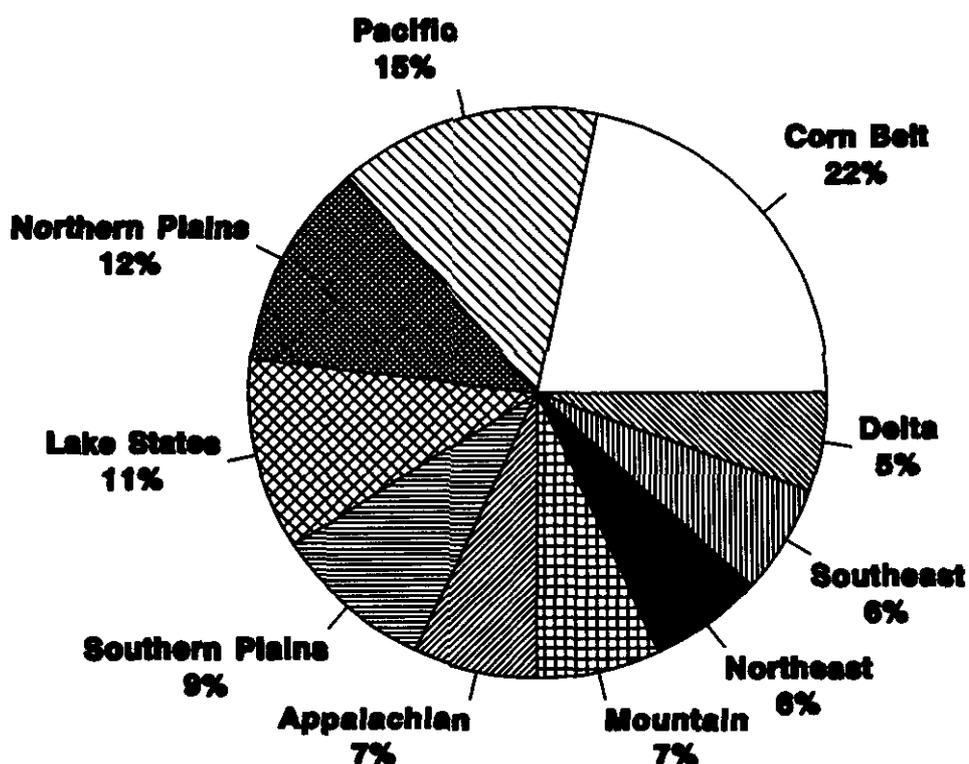
Production Expenditures Down 1.3 Percent in 1992

U.S. farm production expenditures totaled \$145.3 billion in 1992, down 1.3 percent from the revised 1991 total of \$147.2 billion. This decline in total expenditures was supported mostly by significant drops at the U.S. level in interest costs (down 7.7 percent) and expenditures for farm equipment excluding tractors and self-propelled machinery (off 5.8 percent). Feed expenditures accounted for 13.6 percent of the U.S. total production expenses estimate followed by farm service expenditures at 12.6 percent. The farm services category includes expense items such as custom work, veterinary services, transportation costs, marketing charges, and miscellaneous business expenses.

The average expenditures per U.S. farm in 1992 were \$69,498 compared to \$70,084, as revised for 1991. On the average, U.S. farm operations in 1992 spent \$9,471 on feed; \$8,753 on farm services; \$6,983 on rent; and \$6,935 on labor. Revised estimates for 1991 indicated that U.S. farms spent an average of \$9,191 on feed, \$8,953 on farm services; \$6,762 on rent; and \$6,953 for labor.

The Farm Production Region (as defined on page 22) contributing the most to the 1992 U.S. total for farm production expenditures was the Corn Belt with a total expenditure figure of \$31.5 billion, 21.7 percent of the U.S. total. Expenditures in the Corn Belt were up 3.3 percent over the revised 1991 level of \$30.5 billion. In total expenditures, the Corn Belt was followed by the Pacific Region at \$21.2 billion (1991 - \$21.8 b); Northern Plains \$17.3 billion (1991 - \$18.1 b); Lake States \$15.6 billion (1991 - \$15.6 b); and the Southern Plains at \$13.3 billion (1991 - \$13.6 b).

Farm Production Regions Percent of Total U.S. Expenditures - 1992



Farm Production Expenditures: Major Input Items by Value
and Percent of Total, United States, 1991-92 1/

Expenditure - Farm Share	1991		1992	
	: Million Dollars	Percent	: Million Dollars	Percent
Total Farm Production Expenditures <u>2/ 3/</u>	147,170	100.0	145,300	100.0
Livestock, Poultry & Related Expenses <u>4/</u>	14,300	9.7	14,200	9.8
Feed	19,300	13.1	19,800	13.6
Farm Services, excluding Rent <u>5/</u>	18,800	12.8	18,300	12.6
Rent	14,200	9.6	14,600	10.0
Agricultural Chemicals <u>6/</u>	6,300	4.3	6,450	4.4
Fertilizer, Lime & Soil Conditioners <u>6/</u>	8,630	5.9	8,300	5.7
Interest	10,400	7.1	9,600	6.6
Taxes (Real Estate & Property)	5,280	3.6	5,490	3.8
Labor <u>13/</u>	14,600	9.9	14,500	10.0
Fuels & Lubricants	5,750	3.9	5,460	3.8
Farm Supplies <u>7/</u>	3,150	2.1	2,950	2.0
Building & Fencing	2,930	2.0	2,950	2.0
Farm & Land Improvements	1,300	0.9	1,350	0.9
Tractors and Self-Propelled Farm Machinery	4,120	2.8	4,180	2.9
Other Farm Machinery <u>8/</u>	10,300	7.0	9,700	6.7
Seeds & Plants <u>9/</u>	5,100	3.5	4,900	3.4
Trucks & Autos	2,400	1.6	2,300	1.6

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Average
per Farm and Total, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	70,084	69,498	147,170	145,300
Livestock, Poultry & Related Expenses <u>4/</u>	37.6	39.6	6,810	6,792	14,300	14,200
Feed	70.0	70.5	9,191	9,471	19,300	19,800
Farm Services, excluding Rent <u>5/</u>	96.0	95.1	8,953	8,753	18,800	18,300
Rent	38.0	37.8	6,762	6,983	14,200	14,600
Agricultural Chemicals <u>6/</u>	68.4	63.7	3,000	3,085	6,300	6,450
Fertilizer, Lime & Soil Conditioners <u>6/</u>	66.0	66.9	4,110	3,970	8,630	8,300
Interest	50.3	49.1	4,953	4,592	10,400	9,600
Taxes (Real Estate & Property)	94.7	94.7	2,514	2,626	5,280	5,490
Labor <u>13/</u>	41.9	38.6	6,953	6,935	14,600	14,500
Fuels & Lubricants	88.8	89.5	2,738	2,612	5,750	5,460
Farm Supplies <u>7/</u>	75.3	68.4	1,500	1,411	3,150	2,950
Building & Fencing	55.1	52.4	1,395	1,411	2,930	2,950
Farm & Land Improvements	21.9	34.0	619	646	1,300	1,350
Tractors and Self-Propelled Farm Machinery	14.3	12.0	1,962	1,999	4,120	4,180
Other Farm Machinery <u>8/</u>	81.0	77.9	4,905	4,640	10,300	9,700
Seeds & Plants <u>9/</u>	58.2	59.6	2,429	2,344	5,100	4,900
Trucks & Autos	16.7	15.0	1,143	1,100	2,400	2,300

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Crop Farms,
Average per Farm and Total, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/</u> <u>3/</u>	100.0	100.0	81,577	81,621	72,400	71,680
Livestock, Poultry & Related Expenses <u>4/</u>	18.9	19.7	1,538	1,534	1,365	1,347
Feed	34.1	34.4	1,297	1,358	1,151	1,193
Farm Services, excluding Rent <u>5/</u>	95.2	94.0	10,842	10,810	9,623	9,494
Rent	45.1	43.9	11,749	12,469	10,427	10,950
Agricultural Chemicals <u>6/</u>	73.8	72.4	5,727	5,919	5,083	5,198
Fertilizer, Lime & Soil Conditioners <u>6/</u>	77.9	75.9	6,944	6,757	6,163	5,934
Interest	53.4	52.2	6,172	5,770	5,478	5,067
Taxes (Real Estate & Property)	94.4	94.7	3,325	3,492	2,951	3,067
Labor <u>13/</u>	46.7	43.9	11,266	11,336	9,999	9,955
Fuels & Lubricants	88.7	89.0	3,828	3,671	3,397	3,224
Farm Supplies <u>7/</u>	74.4	68.6	2,115	1,934	1,877	1,699
Building & Fencing	39.3	34.5	1,182	1,204	1,049	1,058
Farm & Land Improvements	18.7	29.3	768	808	682	710
Tractors and Self-Propelled Farm Machinery	16.3	16.2	2,706	2,781	2,402	2,442
Other Farm Machinery <u>8/</u>	81.8	79.2	6,252	6,027	5,549	5,293
Seeds & Plants <u>9/</u>	75.2	75.6	4,383	4,285	3,890	3,763
Trucks & Autos	17.1	17.0	1,256	1,253	1,115	1,100

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Livestock Farms,
Average per Farm and Total, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/</u> <u>3/</u>	100.0	100.0	61,666	60,718	74,770	73,620
Livestock, Poultry & Related Expenses <u>4/</u>	51.2	54.0	10,668	10,600	12,935	12,853
Feed	96.2	96.7	14,968	15,346	18,149	18,607
Farm Services, excluding Rent <u>5/</u>	96.7	96.0	7,569	7,263	9,177	8,806
Rent	32.8	33.4	3,112	3,010	3,773	3,650
Agricultural Chemicals <u>6/</u>	64.5	57.3	1,004	1,032	1,217	1,252
Fertilizer, Lime & Soil Conditioners <u>6/</u>	57.2	60.4	2,035	1,952	2,468	2,366
Interest	47.9	46.8	4,060	3,739	4,922	4,533
Taxes (Real Estate & Property)	95.0	94.7	1,921	1,998	2,329	2,423
Labor <u>13/</u>	38.3	34.7	3,795	3,749	4,601	4,545
Fuels & Lubricants	88.9	89.8	1,940	1,844	2,353	2,236
Farm Supplies <u>7/</u>	76.0	68.3	1,050	1,032	1,273	1,251
Building & Fencing	66.7	65.5	1,551	1,561	1,881	1,892
Farm & Land Improvements	24.2	37.5	510	528	619	640
Tractors and Self-Propelled Farm Machinery	12.9	12.7	1,417	1,433	1,718	1,738
Other Farm Machinery <u>8/</u>	80.4	74.5	3,918	3,635	4,751	4,407
Seeds & Plants <u>9/</u>	45.7	48.0	998	938	1,210	1,137
Trucks & Autos	16.4	13.6	1,060	989	1,285	1,200

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Production Expenditures: Major Input Items, Economic Class Gross
Sales \$250,000 and Over, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		---- Dollars ----		Million Dollars	
Total Farm Production Expenditures <u>2/</u> <u>3/</u>	100.0	100.0	589,286	622,871	66,000	65,090
Livestock, Poultry & Related Expenses <u>4/</u>	47.3	54.7	71,645	76,703	8,024	8,016
Feed	58.8	67.0	85,608	97,481	9,588	10,187
Farm Services, excluding Rent <u>5/</u>	100.0	100.0	73,023	75,223	8,179	7,861
Rent	78.8	78.7	50,004	55,187	5,601	5,767
Agricultural Chemicals <u>6/</u>	95.1	92.3	26,721	28,919	2,993	3,022
Fertilizer, Lime & Soil Conditioners <u>6/</u>	92.0	85.7	31,995	31,465	3,583	3,288
Interest	85.0	85.4	32,779	32,558	3,671	3,402
Taxes (Real Estate & Property)	98.1	98.4	12,805	14,502	1,434	1,516
Labor <u>13/</u>	91.3	87.3	88,741	94,530	9,939	9,878
Fuels & Lubricants	98.6	99.1	18,755	18,425	2,101	1,925
Farm Supplies <u>7/</u>	94.4	92.9	12,840	13,055	1,438	1,364
Building & Fencing	63.3	65.0	8,787	9,643	984	1,008
Farm & Land Improvements	42.0	61.4	5,004	5,572	560	582
Tractors and Self-Propelled Farm Machinery	37.1	34.3	12,749	13,033	1,428	1,362
Other Farm Machinery <u>8/</u>	98.1	97.7	31,030	30,970	3,475	3,236
Seeds & Plants <u>9/</u>	86.8	84.5	20,369	19,490	2,281	2,037
Trucks & Autos	35.7	35.3	4,869	4,878	545	510

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Economic Class Gross
Sales \$100,000 - \$249,999, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		----- Dollars -----		Million Dollars	
Total Farm Production Expenditures <u>2/</u> <u>3/</u>	100.0	100.0	166,713	166,276	35,810	35,400
Livestock, Poultry & Related Expenses <u>4/</u>	48.2	48.9	11,585	11,321	2,489	2,485
Feed	68.9	67.6	19,697	20,217	4,231	4,438
Farm Services, excluding Rent <u>5/</u>	100.0	100.0	20,372	19,652	4,376	4,314
Rent	77.7	77.0	22,014	22,199	4,729	4,873
Agricultural Chemicals <u>6/</u>	94.8	93.6	8,438	8,364	1,813	1,836
Fertilizer, Lime & Soil Conditioners <u>6/</u>	91.3	89.3	11,480	10,903	2,466	2,393
Interest	82.2	80.7	12,194	11,068	2,619	2,429
Taxes (Real Estate & Property)	98.6	97.2	5,979	5,965	1,284	1,309
Labor <u>13/</u>	76.7	73.5	12,186	11,799	2,618	2,590
Fuels & Lubricants	98.8	99.3	7,056	6,671	1,516	1,464
Farm Supplies <u>7/</u>	94.3	91.4	3,166	2,747	680	603
Building & Fencing	60.5	56.9	2,796	2,743	601	602
Farm & Land Improvements	32.7	49.4	1,235	1,238	265	272
Tractors and Self-Propelled Farm Machinery	31.5	28.1	5,866	5,558	1,260	1,220
Other Farm Machinery <u>8/</u>	98.6	98.2	13,429	12,010	2,885	2,636
Seeds & Plants <u>9/</u>	90.5	88.4	6,645	6,463	1,427	1,419
Trucks & Autos	29.2	21.0	2,332	2,126	501	467

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Production Expenditures: Major Input Items, Economic Class Gross
Sales \$40,000 - \$99,999, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	76,066	76,748	23,550	23,270
Livestock, Poultry & Related Expenses <u>4/</u>	46.8	51.2	6,244	6,342	1,933	1,923
Feed	67.3	70.7	10,142	9,684	3,140	2,936
Farm Services, excluding Rent <u>5/</u>	99.9	99.8	10,242	10,214	3,171	3,097
Rent	65.7	67.1	8,466	8,980	2,621	2,723
Agricultural Chemicals <u>6/</u>	88.8	86.7	3,060	3,384	948	1,026
Fertilizer, Lime & Soil Conditioners <u>6/</u>	84.8	84.9	4,688	4,805	1,452	1,457
Interest	72.1	69.7	5,776	5,355	1,788	1,624
Taxes (Real Estate & Property)	96.8	98.5	3,150	3,465	975	1,051
Labor <u>13/</u>	59.6	53.7	3,791	3,813	1,174	1,156
Fuels & Lubricants	98.0	98.8	3,448	3,511	1,068	1,064
Farm Supplies <u>7/</u>	91.3	87.3	1,626	1,560	504	473
Building & Fencing	55.9	53.7	1,488	1,515	461	459
Farm & Land Improvements	28.3	42.2	609	611	189	185
Tractors and Self-Propelled Farm Machinery	18.7	18.4	2,086	2,307	646	700
Other Farm Machinery <u>8/</u>	95.5	95.4	6,769	6,684	2,096	2,027
Seeds & Plants <u>9/</u>	85.5	82.3	2,788	2,944	863	893
Trucks & Autos	23.8	20.8	1,568	1,447	485	439

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Economic Class Gross
Sales \$10,000 - \$39,999, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/</u> <u>3/</u>	100.0	100.0	27,400	26,941	12,700	12,560
Livestock, Poultry & Related Expenses <u>4/</u>	37.7	40.8	2,589	2,365	1,200	1,103
Feed	69.4	69.1	3,014	2,805	1,397	1,308
Farm Services, excluding Rent <u>5/</u>	99.3	98.6	3,846	3,746	1,782	1,746
Rent	39.9	43.3	2,092	2,058	970	960
Agricultural Chemicals <u>6/</u>	75.4	71.7	912	940	423	438
Fertilizer, Lime & Soil Conditioners <u>6/</u>	73.2	75.7	1,654	1,693	767	789
Interest	49.4	48.4	2,265	2,055	1,050	958
Taxes (Real Estate & Property)	96.1	96.4	1,545	1,581	716	737
Labor <u>13/</u>	41.2	42.7	1,229	1,193	570	556
Fuels & Lubricants	94.9	95.2	1,394	1,360	646	634
Farm Supplies <u>7/</u>	81.2	72.8	678	675	314	315
Building & Fencing	56.3	55.1	790	802	366	374
Farm & Land Improvements	21.4	32.5	286	302	133	141
Tractors and Self-Propelled Farm Machinery	11.6	13.2	997	1,079	462	503
Other Farm Machinery <u>8/</u>	89.0	86.9	2,392	2,366	1,109	1,103
Seeds & Plants <u>9/</u>	63.9	70.6	801	882	371	411
Trucks & Autos	14.9	17.4	867	979	402	456

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Economic Class Gross
Sales Less Than \$10,000, United States, 1991-92 1/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	9,110	9,004	9,110	8,980
Livestock, Poultry & Related Expenses <u>4/</u>	31.3	31.9	654	676	654	674
Feed	72.5	72.0	944	935	944	932
Farm Services, excluding Rent <u>5/</u>	92.1	90.5	1,292	1,286	1,292	1,282
Rent	15.4	13.6	280	279	280	278
Agricultural Chemicals <u>6/</u>	50.2	43.5	125	128	125	128
Fertilizer, Lime & Soil Conditioners <u>6/</u>	48.5	50.6	363	374	363	373
Interest	33.1	32.5	1,272	1,190	1,272	1,187
Taxes (Real Estate & Property)	92.3	91.9	871	880	871	878
Labor <u>13/</u>	23.7	19.4	300	320	300	319
Fuels & Lubricants	80.0	80.9	420	373	420	372
Farm Supplies <u>7/</u>	61.4	53.0	214	196	214	195
Building & Fencing	52.3	48.5	518	508	518	507
Farm & Land Improvements	15.5	26.0	153	171	153	170
Tractors and Self-Propelled Farm Machinery	8.0	8.2	324	397	324	396
Other Farm Machinery <u>8/</u>	67.1	59.0	736	699	736	698
Seeds & Plants <u>9/</u>	36.9	38.8	157	141	157	141
Trucks & Autos	10.6	8.7	466	430	466	429

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Production Expenditures: Major Input Items, Average per Farm
and Total, Northeast Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	66,404	64,394	9,695	9,350
Livestock, Poultry & Related Expenses <u>4/</u>	36.5	39.0	3,774	3,724	551	541
Feed	65.3	68.2	13,057	13,364	1,906	1,941
Farm Services, excluding Rent <u>5/</u>	96.0	96.8	8,782	8,405	1,282	1,220
Rent	30.3	33.0	1,875	1,960	274	285
Agricultural Chemicals <u>6/</u>	62.1	64.3	1,712	1,672	250	243
Fertilizer, Lime & Soil Conditioners <u>6/</u>	65.7	70.0	3,185	2,848	465	414
Interest	43.0	43.9	3,614	3,220	528	468
Taxes (Real Estate & Property)	94.4	97.9	3,459	3,550	505	515
Labor <u>13/</u>	39.1	35.0	8,930	8,705	1,304	1,264
Fuels & Lubricants	91.5	91.6	2,317	2,151	338	312
Farm Supplies <u>7/</u>	84.8	82.0	2,360	2,102	345	305
Building & Fencing	62.2	52.3	2,640	2,595	386	377
Farm & Land Improvements	17.2	36.6	455	528	67	77
Tractors and Self-Propelled Farm Machinery	13.7	12.0	1,736	1,565	253	227
Other Farm Machinery <u>8/</u>	85.6	77.9	5,178	5,101	756	741
Seeds & Plants <u>9/</u>	61.5	67.3	2,282	1,899	333	276
Trucks & Autos	11.2	13.4	896	857	131	124

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Production Expenditures: Major Input Items, Average per Farm
and Total, Lake States Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	70,407	70,421	15,560	15,563
Livestock, Poultry & Related Expenses <u>4/</u>	33.6	35.8	4,109	4,151	908	917
Feed	64.6	60.6	8,367	8,782	1,849	1,941
Farm Services, excluding Rent <u>5/</u>	95.2	92.5	8,743	8,754	1,932	1,935
Rent	41.3	40.7	5,499	5,424	1,215	1,199
Agricultural Chemicals <u>6/</u>	71.6	66.6	3,152	3,016	697	667
Fertilizer, Lime & Soil Conditioners <u>6/</u>	66.3	66.9	4,294	4,078	949	901
Interest	62.4	59.2	6,133	5,798	1,355	1,281
Taxes (Real Estate & Property)	97.4	98.0	3,904	4,062	863	898
Labor <u>13/</u>	42.0	40.1	5,710	6,134	1,262	1,356
Fuels & Lubricants	88.4	85.5	2,763	2,667	611	589
Farm Supplies <u>7/</u>	82.3	76.2	1,948	1,888	431	417
Building & Fencing	51.5	45.6	1,719	1,767	380	390
Farm & Land Improvements	25.6	37.2	439	481	97	106
Tractors and Self-Propelled Farm Machinery	17.9	21.4	2,736	2,764	605	611
Other Farm Machinery <u>8/</u>	80.5	79.0	6,441	6,095	1,423	1,347
Seeds & Plants <u>9/</u>	69.5	69.2	3,059	3,174	676	701
Trucks & Autos	18.4	14.4	1,192	1,169	263	258

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Average per Farm
and Total, Corn Belt Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	70,018	72,760	30,528	31,505
Livestock, Poultry & Related Expenses <u>4/</u>	40.3	40.9	5,408	5,926	2,358	2,566
Feed	67.3	67.0	8,542	9,534	3,724	4,128
Farm Services, excluding Rent <u>5/</u>	96.6	96.4	5,904	6,158	2,574	2,666
Rent	45.8	44.0	12,879	13,530	5,615	5,858
Agricultural Chemicals <u>6/</u>	76.2	71.6	3,693	3,809	1,610	1,649
Fertilizer, Lime & Soil Conditioners <u>6/</u>	73.5	73.0	5,735	5,599	2,500	2,424
Interest	58.7	58.3	5,138	5,035	2,240	2,180
Taxes (Real Estate & Property)	98.1	97.5	3,060	3,131	1,334	1,356
Labor <u>13/</u>	39.2	37.0	3,048	3,288	1,329	1,424
Fuels & Lubricants	91.3	90.7	2,539	2,531	1,107	1,096
Farm Supplies <u>7/</u>	78.4	70.7	1,007	972	439	421
Building & Fencing	51.6	50.5	1,282	1,313	559	568
Farm & Land Improvements	24.4	38.6	577	629	252	273
Tractors and Self-Propelled Farm Machinery	17.0	16.0	2,098	2,170	915	939
Other Farm Machinery <u>8/</u>	81.7	80.0	4,847	4,805	2,113	2,080
Seeds & Plants <u>9/</u>	70.9	72.5	3,259	3,338	1,421	1,445
Trucks & Autos	17.1	13.9	879	876	383	379

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Average per Farm
and Total, Northern Plains Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	94,005	90,796	18,143	17,342
Livestock, Poultry & Related Expenses <u>4/</u>	47.1	46.8	18,861	17,190	3,640	3,283
Feed	68.8	67.8	9,707	9,310	1,874	1,778
Farm Services, excluding Rent <u>5/</u>	97.9	97.5	9,833	9,609	1,898	1,835
Rent	61.0	56.5	11,562	11,740	2,231	2,242
Agricultural Chemicals <u>6/</u>	79.1	73.8	3,196	3,533	617	675
Fertilizer, Lime & Soil Conditioners <u>6/</u>	66.0	68.5	4,921	4,705	950	899
Interest	64.8	63.7	6,994	6,335	1,350	1,210
Taxes (Real Estate & Property)	98.8	95.0	3,731	3,967	720	758
Labor <u>13/</u>	39.2	36.9	3,201	3,206	618	612
Fuels & Lubricants	92.0	92.4	4,335	4,208	837	804
Farm Supplies <u>7/</u>	84.1	74.3	1,380	1,434	266	274
Building & Fencing	53.3	46.6	1,077	1,065	208	204
Farm & Land Improvements	21.4	34.9	511	539	99	103
Tractors and Self-Propelled Farm Machinery	18.3	18.1	2,534	2,673	489	511
Other Farm Machinery <u>8/</u>	91.1	88.7	7,739	7,170	1,494	1,369
Seeds & Plants <u>9/</u>	67.8	71.0	2,747	2,640	530	504
Trucks & Autos	25.5	22.6	1,621	1,423	313	272

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Production Expenditures: Major Input Items, Average per Farm
and Total, Appalachian Region, 1991-92 12/

Expenditure - Farm Share	Farms		Average		Total	
	Reporting <u>10/</u>		per Farm <u>11/</u>		Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	32,244	32,574	9,770	9,870
Livestock, Poultry & Related Expenses <u>4/</u>	34.2	32.4	3,028	3,112	917	943
Feed	76.1	76.7	4,787	5,103	1,451	1,546
Farm Services, excluding Rent <u>5/</u>	96.0	93.5	3,803	3,814	1,152	1,156
Rent	29.3	26.4	2,413	2,540	731	770
Agricultural Chemicals <u>6/</u>	67.3	62.0	1,188	1,202	360	364
Fertilizer, Lime & Soil Conditioners <u>6/</u>	73.7	72.6	2,083	2,063	631	625
Interest	39.7	33.0	2,038	1,815	617	550
Taxes (Real Estate & Property)	94.5	94.2	845	913	256	277
Labor <u>13/</u>	46.5	41.7	3,208	3,241	972	982
Fuels & Lubricants	88.4	89.3	1,343	1,327	407	402
Farm Supplies <u>7/</u>	72.0	61.7	741	703	224	213
Building & Fencing	66.4	53.5	986	1,024	299	310
Farm & Land Improvements	17.8	27.9	253	269	77	81
Tractors and Self-Propelled Farm Machinery	12.9	11.6	1,251	1,236	379	375
Other Farm Machinery <u>8/</u>	79.3	67.8	2,649	2,632	803	797
Seeds & Plants <u>9/</u>	59.4	56.3	953	840	289	255
Trucks & Autos	13.1	11.5	621	688	188	208

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Average per Farm
and Total, Southeast Region, 1991-92 12/

Expenditure - Farm Share	Farms		Average		Total	
	Reporting <u>10/</u>	1992	per Farm <u>11/</u>	1992	Expenditure <u>2/</u>	1992
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/</u> <u>3/</u>	100.0	100.0	60,575	59,293	9,480	9,220
Livestock, Poultry & Related Expenses <u>4/</u>	30.7	31.3	3,464	3,518	542	547
Feed	68.1	71.6	10,213	10,510	1,598	1,634
Farm Services, excluding Rent <u>5/</u>	93.7	93.0	7,161	6,916	1,121	1,075
Rent	27.5	27.4	2,445	2,464	383	383
Agricultural Chemicals <u>6/</u>	63.7	54.4	3,774	3,487	591	542
Fertilizer, Lime & Soil Conditioners <u>6/</u>	73.4	76.1	4,516	4,423	707	688
Interest	29.9	34.5	3,314	3,064	519	477
Taxes (Real Estate & Property)	88.5	87.5	1,410	1,531	221	238
Labor <u>13/</u>	34.4	34.4	9,098	8,885	1,424	1,382
Fuels & Lubricants	87.3	85.4	2,458	2,207	385	343
Farm Supplies <u>7/</u>	63.1	55.0	1,490	1,570	233	244
Building & Fencing	48.0	52.4	1,354	1,511	212	235
Farm & Land Improvements	13.3	23.2	583	604	91	94
Tractors and Self-Propelled Farm Machinery	9.3	14.5	1,396	1,653	219	257
Other Farm Machinery <u>8/</u>	72.5	70.6	3,677	3,109	575	483
Seeds & Plants <u>9/</u>	47.8	50.2	2,684	2,448	420	381
Trucks & Autos	11.4	12.6	1,117	1,080	175	168

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Average per Farm
and Total, Delta States Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	73,596	70,605	8,390	8,049
Livestock, Poultry & Related Expenses <u>4/</u>	36.5	42.3	6,290	6,220	717	709
Feed	75.2	78.2	14,015	13,557	1,598	1,546
Farm Services, excluding Rent <u>5/</u>	95.3	86.5	10,212	9,600	1,164	1,094
Rent	29.5	31.7	6,818	6,664	777	760
Agricultural Chemicals <u>6/</u>	64.9	49.9	5,593	5,754	638	656
Fertilizer, Lime & Soil Conditioners <u>6/</u>	67.7	63.0	3,994	3,789	455	432
Interest	41.2	36.8	3,511	3,142	400	358
Taxes (Real Estate & Property)	87.3	76.4	1,018	1,018	116	116
Labor <u>13/</u>	39.8	37.5	5,853	5,538	667	631
Fuels & Lubricants	91.1	87.8	3,099	2,791	353	318
Farm Supplies <u>7/</u>	69.8	57.5	997	879	114	100
Building & Fencing	61.4	62.0	989	939	113	107
Farm & Land Improvements	18.4	31.3	393	395	45	45
Tractors and Self-Propelled Farm Machinery	13.0	10.8	2,713	2,615	309	298
Other Farm Machinery <u>8/</u>	79.5	64.6	4,795	4,464	547	509
Seeds & Plants <u>9/</u>	49.8	49.0	1,976	1,870	225	213
Trucks & Autos	16.0	14.8	1,157	1,233	132	141

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Production Expenditures: Major Input Items, Average per Farm
and Total, Southern Plains Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	53,518	52,449	13,647	13,322
Livestock, Poultry & Related Expenses <u>4/</u>	38.0	47.0	9,507	9,282	2,424	2,358
Feed	85.2	86.0	7,647	7,604	1,950	1,931
Farm Services, excluding Rent <u>5/</u>	94.1	97.7	7,985	7,759	2,036	1,971
Rent	38.0	38.5	3,658	3,898	933	990
Agricultural Chemicals <u>6/</u>	62.0	58.0	1,460	1,528	372	388
Fertilizer, Lime & Soil Conditioners <u>6/</u>	52.7	60.3	2,551	2,482	651	631
Interest	40.4	43.8	3,331	2,980	850	757
Taxes (Real Estate & Property)	91.6	98.7	1,416	1,494	361	380
Labor <u>13/</u>	41.4	37.8	3,982	3,931	1,015	999
Fuels & Lubricants	87.4	91.7	2,431	2,276	620	578
Farm Supplies <u>7/</u>	64.4	61.0	793	713	202	181
Building & Fencing	56.8	59.2	958	951	244	242
Farm & Land Improvements	19.1	30.8	538	545	137	138
Tractors and Self-Propelled Farm Machinery	11.7	10.5	1,447	1,415	369	360
Other Farm Machinery <u>8/</u>	80.0	76.8	3,200	3,043	816	773
Seeds & Plants <u>9/</u>	42.2	46.5	1,162	1,131	296	287
Trucks & Autos	15.9	16.2	1,364	1,356	348	345

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Production Expenditures: Major Input Items, Average per Farm
and Total, Mountain Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	85,557	84,102	10,130	9,882
Livestock, Poultry & Related Expenses <u>4/</u>	46.1	48.8	10,388	10,521	1,230	1,236
Feed	71.2	71.0	9,713	9,969	1,150	1,171
Farm Services, excluding Rent <u>5/</u>	98.3	97.3	14,277	13,953	1,690	1,640
Rent	34.1	41.5	5,758	6,011	682	706
Agricultural Chemicals <u>6/</u>	59.9	56.7	2,144	2,174	254	256
Fertilizer, Lime & Soil Conditioners <u>6/</u>	47.6	46.2	3,540	3,450	419	405
Interest	59.9	58.8	7,648	7,228	906	849
Taxes (Real Estate & Property)	95.0	93.5	2,647	2,765	313	325
Labor <u>13/</u>	47.5	43.4	8,601	8,588	1,018	1,009
Fuels & Lubricants	87.1	89.5	3,967	3,585	470	421
Farm Supplies <u>7/</u>	78.4	76.2	1,943	1,785	230	210
Building & Fencing	53.6	61.5	1,444	1,464	171	172
Farm & Land Improvements	32.6	41.0	1,020	1,030	121	121
Tractors and Self-Propelled Farm Machinery	14.6	12.0	2,194	2,289	260	269
Other Farm Machinery <u>8/</u>	84.6	80.6	6,103	5,537	723	651
Seeds & Plants <u>9/</u>	49.5	47.6	2,356	2,174	279	255
Trucks & Autos	22.0	20.5	1,672	1,454	198	171

See footnotes on page 21 of publication.

Production Expenditures: Major Input Items, Average per Farm
and Total, Pacific Region, 1991-92 12/

Expenditure - Farm Share	Farms Reporting <u>10/</u>		Average per Farm <u>11/</u>		Total Expenditure <u>2/</u>	
	1991	1992	1991	1992	1991	1992
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures <u>2/ 3/</u>	100.0	100.0	139,025	135,444	21,827	21,197
Livestock, Poultry & Related Expenses <u>4/</u>	31.8	33.9	6,447	7,027	1,012	1,100
Feed	51.3	54.7	14,013	13,953	2,200	2,184
Farm Services, excluding Rent <u>5/</u>	97.8	96.3	25,159	23,688	3,950	3,707
Rent	26.4	31.0	8,653	8,991	1,359	1,407
Agricultural Chemicals <u>6/</u>	61.4	61.7	5,807	6,457	912	1,011
Fertilizer, Lime & Soil Conditioners <u>6/</u>	56.6	54.5	5,752	5,633	903	882
Interest	54.7	52.5	10,418	9,394	1,636	1,470
Taxes (Real Estate & Property)	94.0	95.2	3,764	4,015	591	628
Labor <u>13/</u>	51.2	42.9	31,790	30,939	4,991	4,842
Fuels & Lubricants	80.5	88.0	3,969	3,806	623	596
Farm Supplies <u>7/</u>	75.2	71.6	4,243	3,736	666	585
Building & Fencing	45.2	47.9	2,289	2,205	359	345
Farm & Land Improvements	30.0	38.1	2,010	1,992	316	312
Tractors and Self-Propelled Farm Machinery	10.4	11.1	2,051	2,132	322	334
Other Farm Machinery <u>8/</u>	74.4	74.8	6,690	6,067	1,050	950
Seeds & Plants <u>9/</u>	38.5	43.2	4,018	3,721	631	582
Trucks & Autos	17.7	14.7	1,714	1,494	269	234

See footnotes on page 21 of publication.

Footnotes

- 1/ Excludes AK and HI.
- 2/ Total includes production costs not allocated to any of the 17 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 and grazing fees, transportation costs, marketing charges, insurance, leasing of machinery and equipment, miscellaneous business expenses, and utilities.
- 6/ Includes materials and applications cost.
- 7/ Includes bedding and litter, miscellaneous non-capital equipment and supplies, and power farm shop equipment.
- 8/ Includes repairs and maintenance of livestock and poultry equipment and capital equipment for livestock and poultry.
- 9/ Excludes bedding plants, nursery stock, and seed purchased for resale. Includes seed treatment.
- 10/ Number of farms reporting item divided by total number of farms.
- 11/ Total expenditures divided by total number of farms.
- 12/ 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.

- 13/ Includes wages paid to operator.

Estimating Procedures and Reliability

Program Changes: The National Agricultural Statistics Service (NASS) initiated an estimation program for 1992 farm production expenditures with revisions for 1991 expenditures. Prior year's Farm Production Expenditure publications included only survey indications for expenditures at the U.S. level and other geographic, size, and type of farm levels. Estimates will now be 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. Revisions were also made for farm production expenses at the U.S. level back to 1988 to provide data users with a comparable data series.

Research completed by NASS in 1992 identified a downward bias in the data adjustment procedures for survey nonresponse. Also, further analysis of the Farm Costs and Returns Survey (FCRS) data indicated that the survey procedures were not providing total coverage of the farm population, especially smaller farms with less than \$20,000 in annual gross sales. After evaluating data from the nonresponse research and materials related to farm coverage, the decision was made to incorporate both a new nonresponse adjustment and an undercoverage adjustment. The new nonresponse adjustments assume that nonrespondents, namely refusals and inaccessibles, represent actual farms or positive data and should be adjusted for as such. Field interviewers verify that refusals and inaccessibles have positive farm data. The undercoverage adjustment involves adjusting the FCRS expanded number of farms to the official Board number of farms published in the Farms Numbers Land in Farms release. The coverage adjustment expands number of farms by sales class in each of the 10 economic production regions. For 1992, total expenditures at the U.S. level were adjusted an additional 0.4 percent for farm undercoverage. The new method of adjusting for nonresponse tends to increase data expansions for major expenditure items by an additional 5 to 8 percent compared with the previous nonresponse adjustment.

Survey Procedures: The farm production expenditure data contained in this publication are the result of a sample survey of over 21,000 farms and ranches contacted in February and March of 1993 in all states except Alaska and Hawaii. The Farm Costs and Returns Survey 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 Farm Costs and Returns Survey 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 Farm Costs and Returns Survey 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 and related debt/asset data 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. The computer generated imputation has not been implemented for expenditure data because NASS analysis has shown that 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. In 1991, the most common items imputed by statisticians in the field were interest rates and total debt which accounted for less than 1.5 percent of all completed farm interviews and less than 1.0 percent of the total expansion of these items. The most common items with missing data in 1991 were depreciation, total assets, and equity; which accounted for 12.4 percent, 11.0 percent, and 13.0 percent, respectively, of all completed interviews. None of these items are published in this report.

Data Comparability: This publication includes estimates for 1991 and 1992 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 have been revised back through 1988 to provide data users a comparable data series. In addition, the decision was made to publish less detail in this publication since much of the detailed data published in our historical series carried very high sampling errors and also were highly variable from year to year as well. The detail of the current publication is also controlled by funding levels and the subsequent sample size.

Some of the expenditure estimates published in this report will differ from production expense estimates published in the Economic Research Service's "Economic Indicators of the Farm Sector". 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). This would include production inputs such as feed, seed, fertilizer, and chemicals. 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. NASS includes hired labor and wages paid to the operator regardless of type of organization. ERS excludes wages paid to operators except in non-family corporations. 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.

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 1991 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.1 percent; from 3.1 to 8.3 percent at the Regional level; from 2.7 to 5.3 percent at the U.S. Economic Sales Class level; 3.6 percent for Crop Farms; and 2.8 percent for Livestock Farms. For 1992 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.4 percent; from 5.2 to 10.3 percent at the Regional level; from 4.0 to 4.7 percent at the U.S. Economic Sales Class level; 3.0 percent for Crop Farms; and 3.8 percent for Livestock Farms. The relative sampling errors for major expense items at the U.S. level typically range from 2.0 to 5.0 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.

Farm Production Expenditures: Major Input Items by Value.
United States, 1988-92 1/

Expenditure - Farm Share	1988	1989	1990	1991	1992
Million Dollars					
Total Farm Production Expenditures <u>2/ 3/</u>	124,940	134,710	145,910	147,170	145,300
Livestock, Poultry & Related Expenses <u>4/</u>	13,750	14,320	15,480	14,300	14,200
Feed	20,200	20,700	20,400	19,300	19,800
Farm Services, excluding Rent <u>5/</u>	15,090	16,400	17,650	18,800	18,300
Rent	10,460	12,340	13,480	14,200	14,600
Agricultural Chemicals <u>6/</u>	4,160	5,020	5,370	6,300	6,450
Fertilizer, Lime & Soil Conditioners <u>6/</u>	7,680	8,180	8,210	8,630	8,300
Interest	8,710	9,100	10,490	10,400	9,600
Taxes (Real Estate & Property)	4,100	4,540	5,300	5,280	5,490
Labor <u>13/</u>	10,510	11,970	14,470	14,600	14,500
Fuels & Lubricants	4,630	4,820	5,810	5,750	5,460
Farm Supplies <u>7/</u>	2,260	2,360	3,030	3,150	2,950
Building & Fencing	2,320	2,490	2,990	2,930	2,950
Farm & Land Improvements	990	970	1,270	1,300	1,350
Tractors and Self-Propelled Farm Machinery	3,440	4,300	4,340	4,120	4,180
Other Farm Machinery <u>8/</u>	8,590	9,760	10,390	10,300	9,700
Seeds & Plants <u>9/</u>	4,060	4,400	4,500	5,100	4,900
Trucks & Autos	2,170	2,360	2,550	2,400	2,300

See footnotes on page 21 of publication.
Data revised for 1988-91.

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The next "Farm Production Expenditures" report will be released in July 1994.

