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Department of
Agriculture



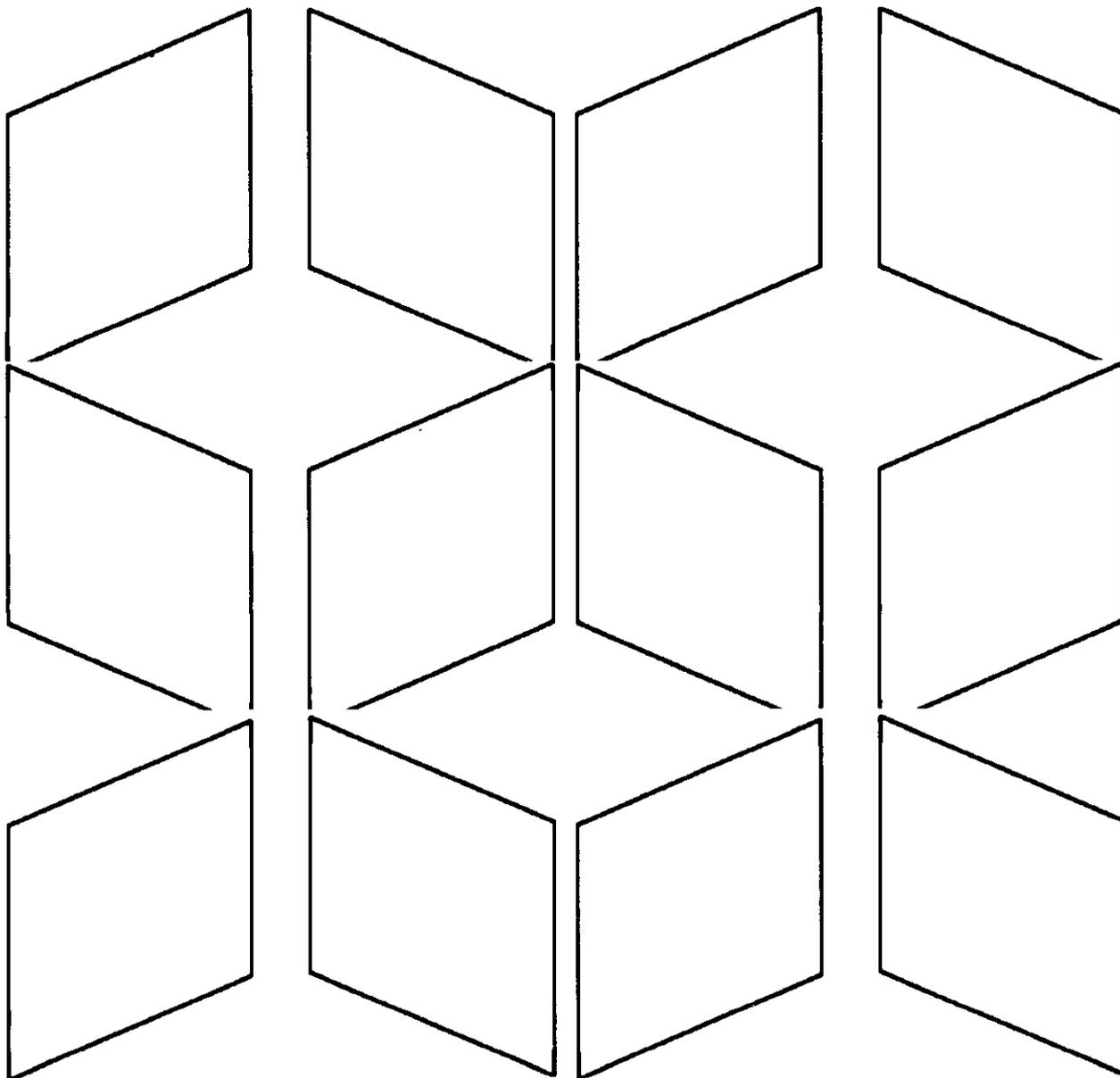
National
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Farm Production Expenditures 1995 Summary

Agricultural
Statistics
Board

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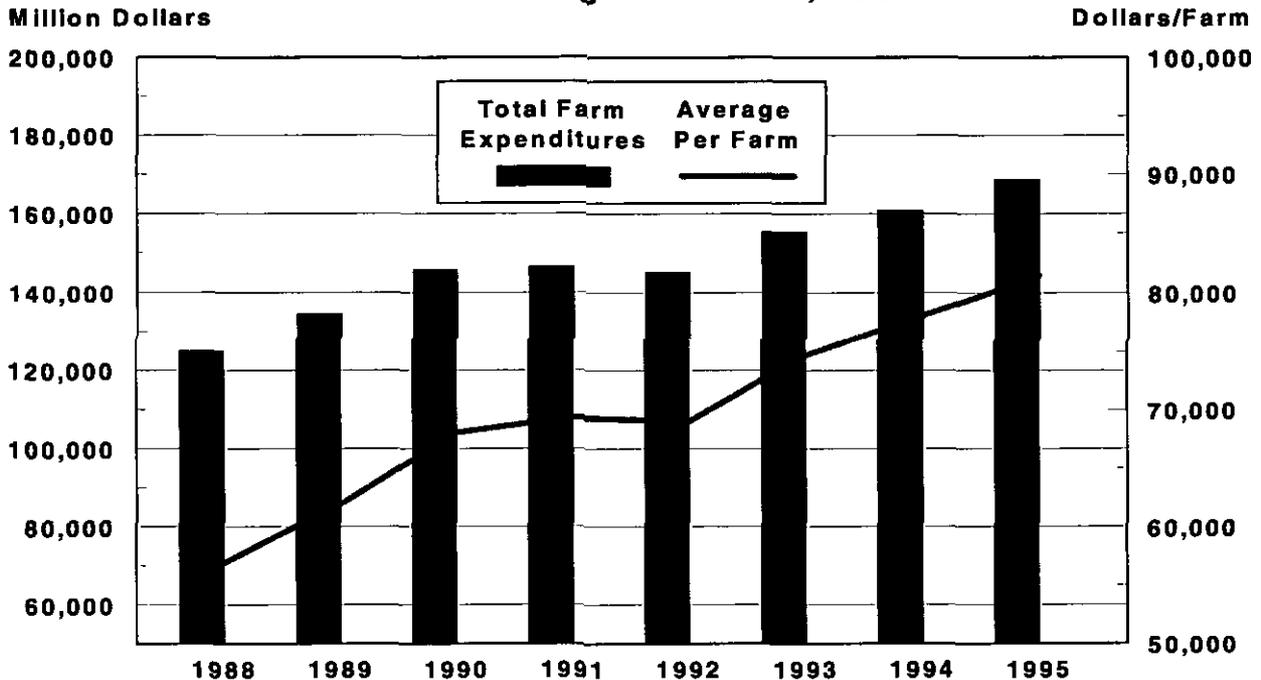
Production Expenditures Up Nearly 5 Percent in 1995

U.S. farm production expenditures totaled \$168.5 billion in 1995, up 4.9 percent from the revised 1994 total of \$160.7 billion. The largest contributors to the increase were feed (up 8.4 percent), fertilizer (up 9.3 percent), interest (up 9.0 percent), and labor (up 6.7 percent). Feed accounted for 14.5 percent of the U.S. total production expenses while farm services accounted for 14.1 percent of the total. 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 1995 were \$81,480 compared to \$78,018, as revised for 1994. On the average, U.S. farm operations in 1995 spent \$11,847 on feed; \$11,509 on farm services; \$7,737 on both rent and labor; and \$7,253 on livestock and poultry purchases. Revised estimates for 1994 indicated that U.S. farms spent an average of \$10,974 on feed; \$11,168 on farm services; \$7,478 on rent; \$7,284 on labor; and \$7,381 for livestock and poultry purchases.

The Farm Production Region (as defined on page 22) contributing most to the total 1995 U.S. farm production expenditures was the Corn Belt with expenses of \$32.6 billion, 19.3 percent of the U.S. total. Expenditures in the Corn Belt were down 0.6 percent from the 1994 level of \$32.8 billion. In total expenditures, the Corn Belt was followed by the Pacific Region at \$26.9 billion (1994 - \$24.0 b); Northern Plains \$19.4 billion (1994 - \$18.9 b); Lake States \$17.1 billion (1994 - \$17.5 b); and the Southern Plains at \$16.4 billion (1994 - \$14.8 b).

**U.S. Farm Production Expenditures
Total and Average Per Farm, 1988-95**



Farm Production Expenditures: Major Input Items by Value
and Percent of Total, United States, 1994-95 1/

Expenditure - Farm Share :	1994		:	1995	
	:Million Dols	Percent		Million Dols	Percent
Total Farm Production	:	:	:	:	:
Expenditures 2/ 3/	160,670	100.0	:	168,500	100.0
Livestock, Poultry & Related Expenses 4/	15,200	9.5	:	15,000	8.9
Feed	22,600	14.1	:	24,500	14.5
Farm Services 5/	23,000	14.3	:	23,800	14.1
Rent 6/	15,400	9.6	:	16,000	9.5
Agricultural Chemicals 7/	7,200	4.5	:	7,700	4.6
Fertilizer, Lime & Soil Conditioners 7/	9,150	5.7	:	10,000	5.9
Interest	9,450	5.9	:	10,300	6.1
Taxes (Real Estate & Property)	6,200	3.9	:	6,400	3.8
Labor	15,000	9.3	:	16,000	9.5
Fuels	5,100	3.2	:	5,500	3.3
Farm Supplies & Repairs 8/	10,800	6.7	:	11,500	6.8
Farm Improvements & Construction 9/	5,400	3.4	:	5,200	3.1
Tractors and Self-Propelled Farm Machinery	4,610	2.9	:	4,750	2.8
Other Farm Machinery	3,360	2.1	:	3,100	1.8
Seeds & Plants 10/	5,360	3.3	:	5,450	3.2
Trucks & Autos	2,560	1.6	:	2,800	1.7

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average
per Farm and Total, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	78,018	81,480	160,670	168,500
Livestock, Poultry & Related Expenses 4/	36.4	34.7	7,381	7,253	15,200	15,000
Feed	64.9	67.5	10,974	11,847	22,600	24,500
Farm Services 5/	96.6	96.5	11,168	11,509	23,000	23,800
Rent 6/	41.1	39.7	7,478	7,737	15,400	16,000
Agricultural Chemicals 7/	59.3	58.8	3,496	3,723	7,200	7,700
Fertilizer, Lime & Soil Conditioners 7/	66.7	65.4	4,443	4,836	9,150	10,000
Interest	54.0	54.1	4,589	4,981	9,450	10,300
Taxes (Real Estate & Property)	97.8	97.7	3,011	3,095	6,200	6,400
Labor	38.6	41.7	7,284	7,737	15,000	16,000
Fuels	89.3	91.3	2,476	2,660	5,100	5,500
Farm Supplies & Repairs 8/	88.9	90.0	5,244	5,561	10,800	11,500
Farm Improvements & Construction 9/	62.0	63.5	2,622	2,515	5,400	5,200
Tractors and Self-Propelled Farm Machinery	12.5	12.5	2,239	2,297	4,610	4,750
Other Farm Machinery	23.8	21.9	1,632	1,499	3,360	3,100
Seeds & Plants 10/	58.3	56.1	2,603	2,635	5,360	5,450
Trucks & Autos	13.2	12.5	1,243	1,354	2,560	2,800

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Crop Farms,
Average per Farm and Total, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million	Dollars
Total Farm Production Expenditures 2/ 3/	100.0	100.0	88,412	97,349	79,942	85,151
Livestock, Poultry & Related Expenses 4/	17.9	15.7	1,710	1,718	1,546	1,503
Feed	27.8	29.1	1,556	1,558	1,407	1,363
Farm Services 5/	94.6	93.9	14,105	15,107	12,754	13,214
Rent 6/	47.1	44.4	12,680	14,073	11,465	12,310
Agricultural Chemicals 7/	69.6	70.6	6,558	7,428	5,930	6,497
Fertilizer, Lime & Soil Conditioners 7/	72.6	74.5	7,435	8,553	6,723	7,481
Interest	55.2	56.4	5,571	6,184	5,037	5,409
Taxes (Real Estate & Property)	98.5	97.9	3,824	4,064	3,458	3,555
Labor	41.9	47.2	11,334	12,625	10,248	11,043
Fuels	85.5	87.8	3,379	3,735	3,055	3,267
Farm Supplies & Repairs 8/	86.2	86.4	6,885	7,700	6,225	6,735
Farm Improvements & Construction 9/	47.2	47.2	2,300	2,301	2,080	2,013
Tractors and Self-Propelled Farm Machinery	13.6	14.9	3,018	3,325	2,729	2,908
Other Farm Machinery	23.2	22.3	1,848	1,913	1,671	1,673
Seeds & Plants 10/	72.7	71.2	4,625	5,023	4,182	4,394
Trucks & Autos	13.4	13.0	1,376	1,601	1,244	1,400

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Livestock Farms,
Average per Farm and Total, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	69,882	69,847	80,728	83,349
Livestock, Poultry & Related Expenses 4/	50.9	48.6	11,820	11,311	13,654	13,497
Feed	93.9	95.6	18,346	19,389	21,193	23,137
Farm Services 5/	98.3	98.5	8,869	8,871	10,246	10,586
Rent 6/	36.5	36.3	3,406	3,092	3,935	3,690
Agricultural Chemicals 7/	51.3	50.2	1,099	1,008	1,270	1,203
Fertilizer, Lime & Soil Conditioners 7/	62.0	58.6	2,101	2,111	2,427	2,519
Interest	53.0	52.5	3,820	4,099	4,413	4,891
Taxes (Real Estate & Property)	97.2	97.6	2,374	2,384	2,742	2,845
Labor	36.0	37.6	4,114	4,154	4,752	4,957
Fuels	92.4	93.9	1,770	1,871	2,045	2,233
Farm Supplies & Repairs 8/	91.0	92.7	3,960	3,993	4,575	4,765
Farm Improvements & Construction 9/	73.5	75.5	2,874	2,671	3,320	3,187
Tractors and Self-Propelled Farm Machinery	11.8	10.7	1,628	1,544	1,881	1,842
Other Farm Machinery	24.3	21.6	1,462	1,196	1,689	1,427
Seeds & Plants 10/	46.9	45.0	1,020	885	1,178	1,056
Trucks & Autos	13.0	12.2	1,139	1,173	1,316	1,400

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$250,000 and Over, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	647,752	700,544	78,961	86,307
Livestock, Poultry & Related Expenses 4/	51.6	49.7	74,537	75,365	9,086	9,285
Feed	62.0	61.3	109,770	128,685	13,381	15,854
Farm Services 5/	100.0	100.0	89,713	93,450	10,936	11,513
Rent 6/	78.3	78.8	56,218	60,974	6,853	7,512
Agricultural Chemicals 7/	89.4	88.3	29,770	32,735	3,629	4,033
Fertilizer, Lime & Soil Conditioners 7/	86.5	86.0	32,182	35,885	3,923	4,421
Interest	91.2	88.8	29,967	32,800	3,653	4,041
Taxes (Real Estate & Property)	99.3	99.2	14,315	14,943	1,745	1,841
Labor	88.9	88.7	86,628	93,385	10,560	11,505
Fuels	99.5	99.6	16,243	17,589	1,980	2,167
Farm Supplies & Repairs 8/	99.3	99.7	38,318	41,834	4,671	5,154
Farm Improvements & Construction 9/	80.7	79.2	18,720	18,506	2,282	2,280
Tractors and Self-Propelled Farm Machinery	32.8	32.7	14,200	15,016	1,731	1,850
Other Farm Machinery	50.0	46.7	9,762	9,237	1,190	1,138
Seeds & Plants 10/	85.1	84.1	20,968	21,526	2,556	2,652
Trucks & Autos	31.3	30.1	5,226	6,047	637	745

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$100,000 - \$249,999, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	164,801	170,603	36,833	37,601
Livestock, Poultry & Related Expenses 4/	49.9	48.3	10,917	11,838	2,440	2,609
Feed	67.3	66.4	19,700	18,993	4,403	4,186
Farm Services 5/	100.0	99.4	22,376	23,748	5,001	5,234
Rent 6/	79.8	78.5	22,331	23,022	4,991	5,074
Agricultural Chemicals 7/	90.2	89.8	8,913	9,387	1,992	2,069
Fertilizer, Lime & Soil Conditioners 7/	89.9	88.6	11,566	12,632	2,585	2,784
Interest	85.3	84.6	10,376	10,808	2,319	2,382
Taxes (Real Estate & Property)	99.2	98.5	7,020	7,237	1,569	1,595
Labor	75.9	72.2	10,796	11,198	2,413	2,468
Fuels	98.7	97.6	6,022	6,443	1,346	1,420
Farm Supplies & Repairs 8/	98.5	97.9	11,584	12,005	2,589	2,646
Farm Improvements & Construction 9/	73.2	70.2	4,622	4,074	1,033	898
Tractors and Self-Propelled Farm Machinery	24.6	23.7	5,535	5,517	1,237	1,216
Other Farm Machinery	44.7	45.1	4,058	3,811	907	840
Seeds & Plants 10/	89.0	87.5	6,452	6,797	1,442	1,498
Trucks & Autos	21.3	24.9	2,318	2,677	518	590

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$40,000 - \$99,999, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	Dollars
Total Farm Production Expenditures 2/ 3/	100.0	100.0	77,218	77,408	21,065	20,188
Livestock, Poultry & Related Expenses 4/	42.0	42.1	5,462	5,107	1,490	1,332
Feed	65.0	66.1	9,106	8,225	2,484	2,145
Farm Services 5/	99.5	99.9	11,785	11,794	3,215	3,076
Rent 6/	67.9	64.7	8,376	8,244	2,285	2,150
Agricultural Chemicals 7/	80.7	80.9	3,706	3,723	1,011	971
Fertilizer, Lime & Soil Conditioners 7/	87.1	84.9	5,180	5,514	1,413	1,438
Interest	71.5	71.3	4,901	5,663	1,337	1,477
Taxes (Real Estate & Property)	99.3	97.0	3,922	4,110	1,070	1,072
Labor	49.3	61.1	3,805	3,995	1,038	1,042
Fuels	97.8	97.9	3,193	3,344	871	872
Farm Supplies & Repairs 8/	97.8	98.3	6,026	6,564	1,644	1,712
Farm Improvements & Construction 9/	64.6	68.0	2,137	2,117	583	552
Tractors and Self-Propelled Farm Machinery	18.1	14.4	2,599	2,446	709	638
Other Farm Machinery	33.9	29.1	2,251	1,944	614	507
Seeds & Plants 10/	84.2	81.8	3,050	2,906	832	758
Trucks & Autos	20.3	13.2	1,602	1,568	437	409

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$10,000 - \$39,999, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	Percent		Dollars		Million Dollars	Dollars
Total Farm Production Expenditures 2/ 3/	100.0	100.0	27,722	29,738	12,877	13,483
Livestock, Poultry & Related Expenses 4/	37.0	35.9	2,299	2,283	1,068	1,035
Feed	63.1	63.2	2,753	2,629	1,279	1,192
Farm Services 5/	98.6	98.1	4,551	4,824	2,114	2,187
Rent 6/	40.3	42.1	2,015	2,060	936	934
Agricultural Chemicals 7/	65.7	68.8	887	1,041	412	472
Fertilizer, Lime & Soil Conditioners 7/	69.1	74.7	1,656	1,963	769	890
Interest	55.7	53.4	1,987	2,486	923	1,127
Taxes (Real Estate & Property)	98.8	97.6	1,774	1,901	824	862
Labor	39.5	42.2	1,257	1,248	584	566
Fuels	93.9	92.9	1,147	1,345	533	610
Farm Supplies & Repairs 8/	93.8	93.0	2,267	2,439	1,053	1,106
Farm Improvements & Construction 9/	63.7	61.7	1,477	1,356	686	615
Tractors and Self-Propelled Farm Machinery	12.3	12.9	1,085	1,385	504	628
Other Farm Machinery	24.1	21.6	855	772	397	350
Seeds & Plants 10/	64.8	66.6	779	834	362	378
Trucks & Autos	13.1	12.7	874	1,103	406	500

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales Less Than \$10,000, United States, 1994-95 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	10,785	10,811	10,534	10,921
Livestock, Poultry & Related Expenses 4/	29.6	27.4	733	732	716	739
Feed	65.5	70.7	1,078	1,112	1,053	1,123
Farm Services 5/	93.7	93.9	1,775	1,772	1,734	1,790
Rent 6/	20.6	19.0	343	327	335	330
Agricultural Chemicals 7/	39.5	38.3	160	153	156	155
Fertilizer, Lime & Soil Conditioners 7/	52.0	48.5	471	462	460	467
Interest	36.4	39.1	1,247	1,260	1,218	1,273
Taxes (Real Estate & Property)	96.3	97.6	1,016	1,020	992	1,030
Labor	20.4	24.1	415	415	405	419
Fuels	81.5	86.6	379	427	370	431
Farm Supplies & Repairs 8/	80.6	83.7	863	873	843	882
Farm Improvements & Construction 9/	55.5	59.8	835	846	816	855
Tractors and Self-Propelled Farm Machinery	5.8	6.9	439	414	429	418
Other Farm Machinery	12.8	12.1	258	262	252	265
Seeds & Plants 10/	37.5	34.4	172	162	168	164
Trucks & Autos	7.1	7.4	575	550	562	556

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Northeast Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million	Dollars
Total Farm Production Expenditures 2/ 3/	100.0	100.0	71,712	78,196	10,011	10,791
Livestock, Poultry & Related Expenses 4/	36.6	38.5	3,188	3,616	445	499
Feed	63.9	65.2	13,718	15,043	1,915	2,076
Farm Services 5/	96.5	98.7	11,741	12,529	1,639	1,729
Rent 6/	41.3	32.4	2,142	2,101	299	290
Agricultural Chemicals 7/	55.6	61.3	1,956	2,283	273	315
Fertilizer, Lime & Soil Conditioners 7/	66.9	73.8	2,930	3,261	409	450
Interest	44.4	49.0	3,474	3,884	485	536
Taxes (Real Estate & Property)	98.3	94.6	3,782	3,891	528	537
Labor	36.0	48.5	9,334	10,290	1,303	1,420
Fuels	92.1	97.0	2,156	2,616	301	361
Farm Supplies & Repairs 8/	91.9	97.5	6,533	6,920	912	955
Farm Improvements & Construction 9/	67.7	71.7	3,474	3,732	485	515
Tractors and Self-Propelled Farm Machinery	13.7	14.5	1,948	1,790	272	247
Other Farm Machinery	30.0	28.9	2,027	2,080	283	287
Seeds & Plants 10/	66.4	66.1	2,264	2,659	316	367
Trucks & Autos	10.0	12.0	888	1,297	124	179

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Lake States Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	80,944	77,511	17,484	17,130
Livestock, Poultry & Related Expenses 4/	35.6	40.3	5,065	4,869	1,094	1,076
Feed	58.4	59.7	10,282	10,706	2,221	2,366
Farm Services 5/	98.1	96.8	10,583	9,891	2,286	2,186
Rent 6/	41.8	37.2	6,366	6,050	1,375	1,337
Agricultural Chemicals 7/	69.3	59.2	3,773	3,543	815	783
Fertilizer, Lime & Soil Conditioners 7/	66.8	62.1	4,894	4,706	1,057	1,040
Interest	63.9	61.6	5,824	5,633	1,258	1,245
Taxes (Real Estate & Property)	99.5	98.1	4,458	4,462	963	986
Labor	42.4	39.9	6,134	5,538	1,325	1,224
Fuels	91.9	90.3	2,694	2,584	582	571
Farm Supplies & Repairs 8/	94.1	91.4	6,787	6,955	1,466	1,537
Farm Improvements & Construction 9/	60.9	56.2	3,009	2,602	650	575
Tractors and Self-Propelled Farm Machinery	15.5	17.7	3,074	3,045	664	673
Other Farm Machinery	37.6	31.3	2,495	2,000	539	442
Seeds & Plants 10/	70.3	63.7	4,009	3,398	866	751
Trucks & Autos	13.5	11.9	1,273	1,299	275	287

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Corn Belt Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million	Dollars
Total Farm Production Expenditures 2/ 3/	100.0	100.0	77,960	77,669	32,821	32,621
Livestock, Poultry & Related Expenses 4/	36.2	33.7	6,385	5,710	2,688	2,398
Feed	59.4	63.1	10,411	10,224	4,383	4,294
Farm Services 5/	96.6	96.4	7,252	7,438	3,053	3,124
Rent 6/	44.4	44.0	13,359	13,724	5,624	5,764
Agricultural Chemicals 7/	62.7	66.7	4,534	4,802	1,909	2,017
Fertilizer, Lime & Soil Conditioners 7/	66.8	67.5	5,967	6,462	2,512	2,714
Interest	64.4	64.1	4,829	5,043	2,033	2,118
Taxes (Real Estate & Property)	99.9	99.4	3,344	3,405	1,408	1,430
Labor	30.5	36.3	3,143	3,029	1,323	1,272
Fuels	84.9	90.1	2,416	2,267	1,017	952
Farm Supplies & Repairs 8/	86.2	87.6	4,705	4,443	1,981	1,866
Farm Improvements & Construction 9/	59.3	62.1	2,853	2,495	1,201	1,048
Tractors and Self-Propelled Farm Machinery	14.9	14.5	2,349	2,338	989	982
Other Farm Machinery	25.0	25.9	1,682	1,514	708	636
Seeds & Plants 10/	66.0	63.1	3,591	3,560	1,512	1,495
Trucks & Autos	12.8	13.5	1,026	1,119	432	470

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Northern Plains Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	101,715	103,535	18,919	19,361
Livestock, Poultry & Related Expenses 4/	42.3	41.0	16,306	14,834	3,033	2,774
Feed	62.8	63.0	10,543	10,487	1,961	1,961
Farm Services 5/	96.7	96.7	11,694	12,230	2,175	2,287
Rent 6/	65.6	60.5	14,435	14,813	2,685	2,770
Agricultural Chemicals 7/	72.2	68.9	4,091	4,556	761	852
Fertilizer, Lime & Soil Conditioners 7/	64.9	62.7	5,742	6,551	1,068	1,225
Interest	69.7	70.9	6,339	7,401	1,179	1,384
Taxes (Real Estate & Property)	99.6	99.3	5,048	5,134	939	960
Labor	43.5	49.9	3,651	3,674	679	687
Fuels	90.2	88.0	3,785	4,059	704	759
Farm Supplies & Repairs 8/	91.6	85.9	7,145	7,267	1,329	1,359
Farm Improvements & Construction 9/	62.6	55.3	2,462	2,214	458	414
Tractors and Self-Propelled Farm Machinery	17.7	13.3	3,118	2,845	580	532
Other Farm Machinery	34.5	28.2	2,570	2,449	478	458
Seeds & Plants 10/	68.7	68.8	3,097	3,134	576	586
Trucks & Autos	17.8	17.5	1,629	1,824	303	341

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Appalachian Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	36,186	39,429	10,711	11,671
Livestock, Poultry & Related Expenses 4/	34.4	31.1	3,608	4,010	1,068	1,187
Feed	69.5	73.2	6,976	7,253	2,065	2,147
Farm Services 5/	95.8	94.1	4,385	4,713	1,298	1,395
Rent 6/	29.7	32.5	2,372	2,807	702	831
Agricultural Chemicals 7/	56.0	58.0	1,236	1,341	366	397
Fertilizer, Lime & Soil Conditioners 7/	77.2	74.8	2,125	2,449	629	725
Interest	38.2	41.6	1,831	2,003	542	593
Taxes (Real Estate & Property)	98.3	99.6	1,071	1,176	317	348
Labor	42.5	50.3	3,358	3,389	994	1,003
Fuels	92.0	92.7	1,311	1,510	388	447
Farm Supplies & Repairs 8/	90.3	92.6	2,223	2,622	658	776
Farm Improvements & Construction 9/	66.0	68.4	1,368	1,365	405	404
Tractors and Self-Propelled Farm Machinery	9.0	10.2	1,429	1,716	423	508
Other Farm Machinery	19.2	18.8	1,186	1,064	351	315
Seeds & Plants 10/	59.0	62.6	865	1,024	256	303
Trucks & Autos	10.3	10.6	787	929	233	275

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Southeast Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	68,093	75,126	10,418	11,494
Livestock, Poultry & Related Expenses 4/	31.1	24.8	4,184	4,741	640	725
Feed	64.2	68.5	11,804	12,680	1,806	1,940
Farm Services 5/	96.3	94.4	9,837	11,111	1,505	1,700
Rent 6/	31.6	32.8	2,497	2,719	382	416
Agricultural Chemicals 7/	50.3	57.1	4,092	4,549	626	696
Fertilizer, Lime & Soil Conditioners 7/	73.4	75.1	4,745	5,000	726	765
Interest	37.6	40.0	3,059	3,752	468	574
Taxes (Real Estate & Property)	96.7	95.6	2,039	2,085	312	319
Labor	34.5	37.9	9,588	10,647	1,467	1,629
Fuels	89.0	91.2	1,967	2,379	301	364
Farm Supplies & Repairs 8/	83.0	87.2	4,647	5,124	711	784
Farm Improvements & construction 9/	57.4	64.7	2,569	2,725	393	417
Tractors and Self-Propelled Farm Machinery	11.9	7.8	1,974	2,163	302	331
Other Farm Machinery	17.1	13.8	1,059	1,059	162	162
Seeds & Plants 10/	45.5	45.6	2,614	2,784	400	426
Trucks & Autos	10.4	7.6	1,098	1,222	168	187

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Delta States Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	81,667	79,270	9,065	8,799
Livestock, Poultry & Related Expenses 4/	33.9	32.1	7,784	7,658	864	850
Feed	70.4	78.0	18,000	17,342	1,998	1,925
Farm Services 5/	93.2	96.1	12,820	12,099	1,423	1,343
Rent 6/	35.7	31.1	6,613	6,171	734	685
Agricultural Chemicals 7/	48.2	53.1	5,856	5,541	650	615
Fertilizer, Lime & Soil Conditioners 7/	69.7	65.7	3,964	4,243	440	471
Interest	45.4	48.0	3,324	3,676	369	408
Taxes (Real Estate & Property)	90.5	88.6	1,288	1,333	143	148
Labor	40.1	36.4	5,216	4,802	579	533
Fuels	90.3	91.0	2,532	2,694	281	299
Farm Supplies & Repairs 8/	88.5	90.4	4,847	4,838	538	537
Farm Improvements & Construction 9/	68.0	68.8	1,568	1,342	174	149
Tractors and Self-Propelled Farm Machinery	10.9	7.9	2,622	2,541	291	282
Other Farm Machinery	16.6	12.0	1,604	1,315	178	146
Seeds & Plants 10/	48.8	50.1	2,054	1,811	228	201
Trucks & Autos	9.5	15.6	1,405	1,649	156	183

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Southern Plains Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	54,804	60,062	14,797	16,397
Livestock, Poultry & Related Expenses 4/	40.5	37.6	10,956	10,832	2,958	2,957
Feed	83.0	83.6	7,967	10,451	2,151	2,853
Farm Services 5/	96.6	98.4	8,115	8,542	2,191	2,332
Rent 6/	42.1	36.4	4,530	4,480	1,223	1,223
Agricultural Chemicals 7/	46.5	42.6	1,422	1,648	384	450
Fertilizer, Lime & Soil Conditioners 7/	61.4	57.8	2,689	3,040	726	830
Interest	46.4	44.9	2,856	3,249	771	887
Taxes (Real Estate & Property)	94.7	96.9	1,726	1,777	466	485
Labor	34.5	31.5	3,311	3,711	894	1,013
Fuels	92.7	92.9	2,096	2,495	566	681
Farm Supplies & Repairs 8/	85.6	90.5	2,848	3,538	769	966
Farm Improvements & Construction 9/	59.5	66.1	1,600	1,707	432	466
Tractors and Self-Propelled Farm Machinery	6.7	8.6	1,341	1,289	362	352
Other Farm Machinery	15.2	15.6	841	817	227	223
Seeds & Plants 10/	46.1	40.0	1,074	1,132	290	309
Trucks & Autos	14.9	11.2	1,367	1,264	369	345

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Mountain Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	109,192	116,882	12,426	13,383
Livestock, Poultry & Related Expenses 4/	41.2	39.9	12,329	13,266	1,403	1,519
Feed	59.5	62.3	13,234	15,956	1,506	1,827
Farm Services 5/	98.0	94.2	19,297	19,118	2,196	2,189
Rent 6/	49.2	56.7	8,163	9,869	929	1,130
Agricultural Chemicals 7/	64.5	57.0	2,891	3,022	329	346
Fertilizer, Lime & Soil Conditioners 7/	51.8	49.4	4,938	5,258	562	602
Interest	60.1	60.0	7,531	7,991	857	915
Taxes (Real Estate & Property)	96.4	98.5	3,348	3,659	381	419
Labor	49.2	50.7	11,766	12,594	1,339	1,442
Fuels	91.8	94.9	3,726	4,245	424	486
Farm Supplies & Repairs 8/	92.8	93.8	8,190	7,886	932	903
Farm Improvements & Construction 9/	67.6	69.1	3,225	3,240	367	371
Tractors and Self-Propelled Farm Machinery	14.2	16.8	3,067	3,432	349	393
Other Farm Machinery	23.1	24.1	2,179	2,114	248	242
Seeds & Plants 10/	55.7	54.9	2,812	2,672	320	306
Trucks & Autos	21.5	17.3	2,311	2,341	263	268

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Pacific Region, 1994-95 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1994	1995	1994	1995	1994	1995
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	156,980	173,806	24,018	26,853
Livestock, Poultry & Related Expenses 4/	30.9	28.1	6,582	6,570	1,007	1,015
Feed	53.6	53.6	16,954	20,136	2,594	3,111
Farm Services 5/	98.2	99.7	34,209	35,696	5,234	5,515
Rent 6/	29.0	33.4	9,458	10,058	1,447	1,554
Agricultural Chemicals 7/	64.7	60.1	7,105	7,955	1,087	1,229
Fertilizer, Lime & Soil Conditioners 7/	58.9	57.2	6,673	7,625	1,021	1,178
Interest	62.1	54.6	9,725	10,615	1,488	1,640
Taxes (Real Estate & Property)	98.3	99.3	4,856	4,971	743	768
Labor	46.9	45.3	33,314	37,392	5,097	5,777
Fuels	81.9	87.2	3,503	3,754	536	580
Farm Supplies & Repairs 8/	89.5	87.0	9,830	11,761	1,504	1,817
Farm Improvements & Construction 9/	57.0	57.8	5,458	5,443	835	841
Tractors and Self-Propelled Farm Machinery	12.0	12.8	2,471	2,913	378	450
Other Farm Machinery	18.0	14.3	1,216	1,223	186	189
Seeds & Plants 10/	39.8	33.1	3,895	4,570	596	706
Trucks & Autos	12.9	9.9	1,549	1,715	237	265

See footnotes on page 21.

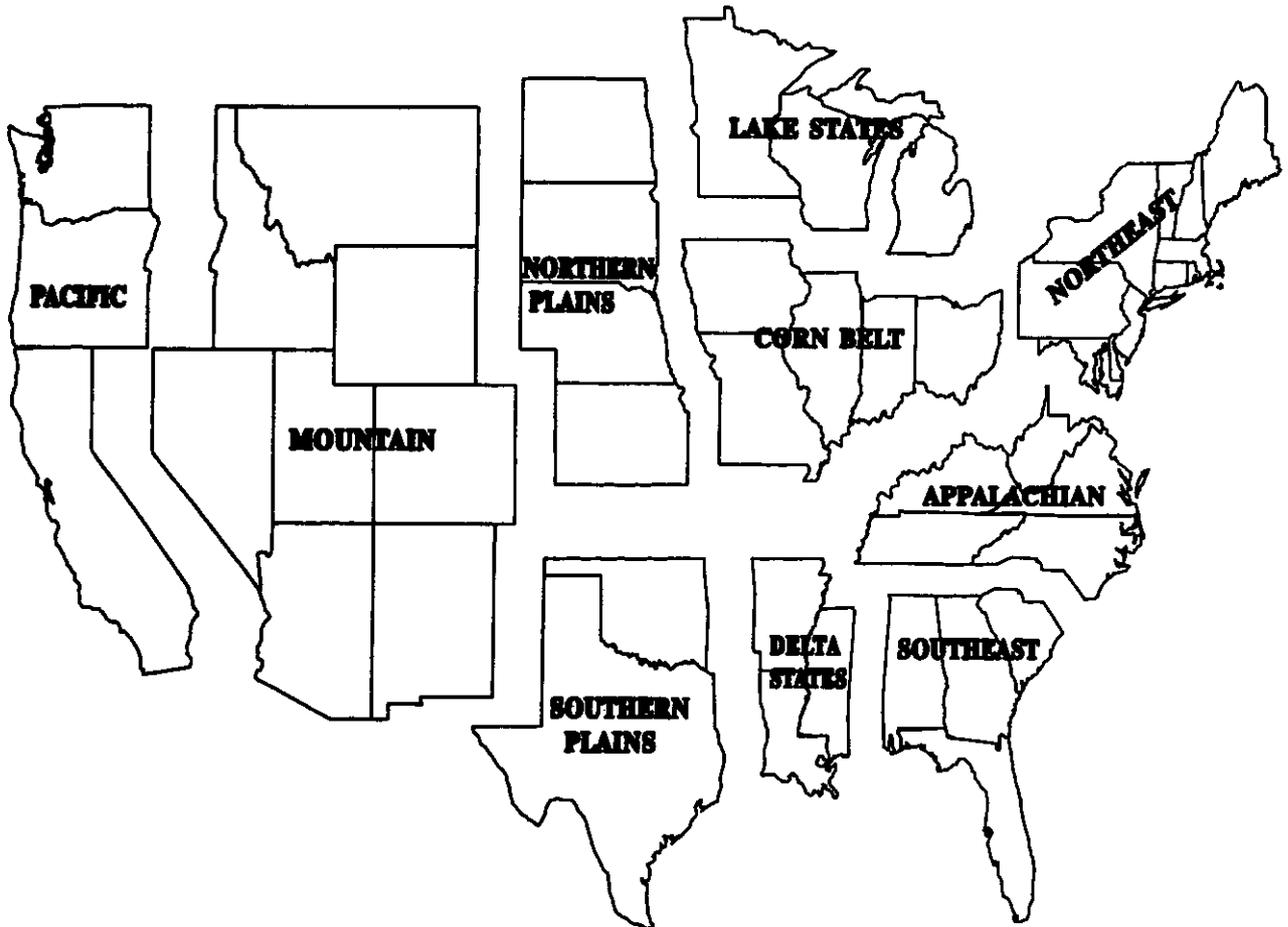
Footnotes

- 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, purchases of miscellaneous equipment and supplies, and repairs and maintenance of equipment.
- 9/ Includes all expenditures related to new construction or repairs of buildings and fences and any improvements to physical structures or 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 Expenditures Regions



Northeast
 Lake States
 Corn Belt
 Northern Plains
 Appalachian
 Southeast
 Delta States
 Southern Plains
 Mountain
 Pacific

CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT.
 MI, MN, WI.
 IL, IN, IA, MO, OH.
 KS, NE, ND, SD.
 KY, NC, TN, VA, WV.
 AL, FL, GA, SC.
 AR, LA, MS.
 OK, TX.
 AZ, CO, ID, MT, NV, NM, UT, WY.
 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. 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 are now 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.

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 with 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 and Land in Farms release. The coverage adjustment expands number of farms by sales class in each of the 10 economic production regions. 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.

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 over 17,500 farms and ranches contacted in February through April 1996 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, 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 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.

Data Comparability: This publication includes estimates for 1994 and 1995 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 1991 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 1995 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 1.9 percent; from 3.1 to 9.4 percent at the Regional level; from 3.2 to 5.4 percent at the U.S. Economic Sales Class level; 2.6 percent for Crop Farms; and 2.9 percent for Livestock Farms. For 1994 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.2 percent; from 3.1 to 9.4 percent at the Regional level; from 3.2 to 5.4 percent at the U.S. Economic Sales Class level; 2.8 percent for Crop Farms; and 2.9 percent for Livestock Farms. The relative sampling errors for major expense items at the U.S. level typically range from 2.0 to 6.0 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, 1991-95 1/

Expenditure - Farm Share	:	1991	:	1992	:	1993	:	1994	:	1995
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