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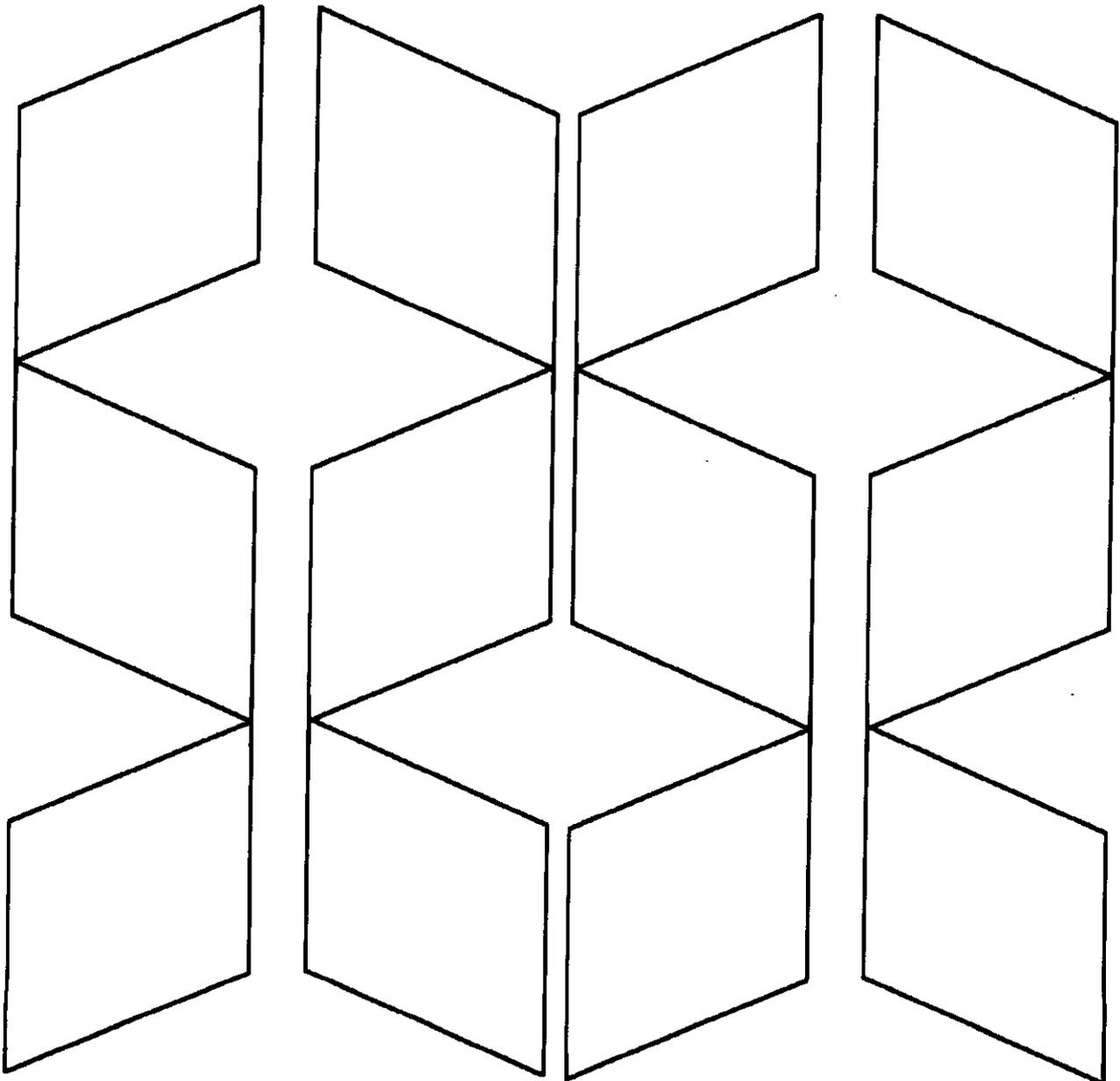
Washington, D.C.



July 1995
Sp Sy 5 (95)

Farm Production Expenditures

1994 Summary



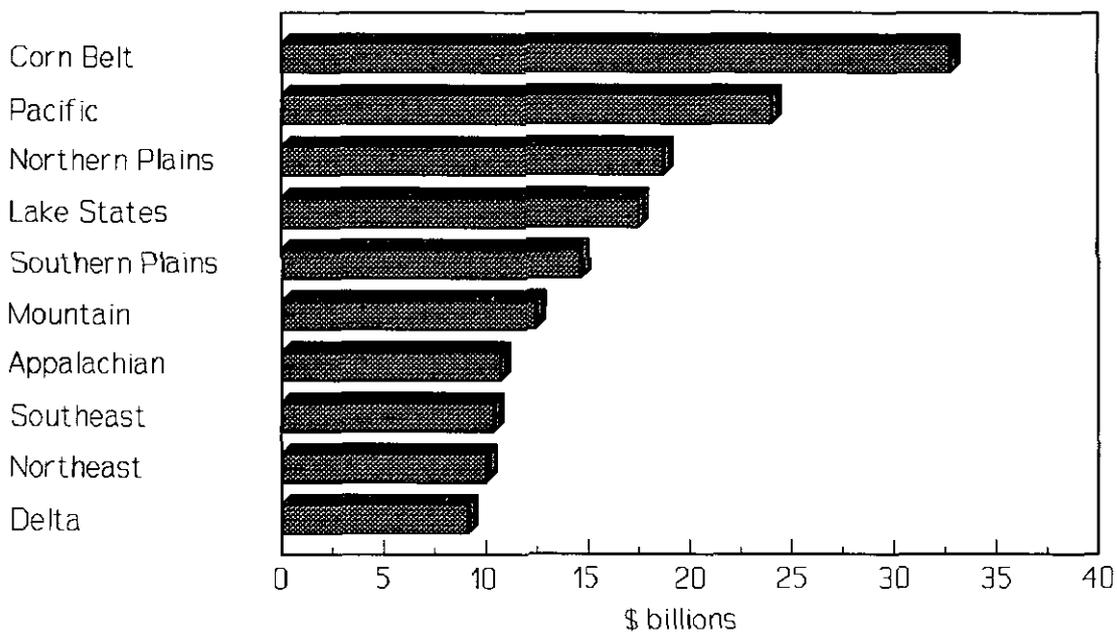
Production Expenditures Up Over 3 Percent in 1994

U.S. farm production expenditures totaled \$160.3 billion in 1994, up 3.3 percent from the revised 1993 total of \$155.2 billion. The largest contributors to the increase were farm service expenditures (up 9.4 percent), fertilizers (up 9.3 percent), chemicals (up 7.5 percent), and farm supplies and repairs (up 6.7 percent). Farm service expenditures accounted for 14.4 percent of the U.S. total production expenses while feed 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 1994 were \$78,737 compared to \$75,320, as revised for 1993. On the average, U.S. farm operations in 1994 spent \$11,299 on farm services; \$11,103 on feed; \$7,566 on rent; and \$7,369 on labor. Revised estimates for 1993 indicated that U.S. farms spent an average of \$10,204 on farm services; \$10,388 on feed; \$7,175 on rent; and \$7,136 for labor.

The Farm Production Region (as defined on page 22) contributing most to the total 1994 U.S. farm production expenditures was the Corn Belt with expenses of \$32.8 billion, 20.5 percent of the U.S. total. Expenditures in the Corn Belt were up 2.2 percent over the revised 1993 level of \$32.1 billion. In total expenditures, the Corn Belt was followed by the Pacific Region at \$24.0 billion (1993 - \$23.4 b); Northern Plains \$18.7 billion (1993 - \$18.5 b); Lake States \$17.5 billion (1993 - \$16.4 b); and the Southern Plains at \$14.6 billion (1993 - \$14.5 b).

1994 Farm Production Expenditures
Farm Production Regions



Farm Production Expenditures: Major Input Items by Value
and Percent of Total, United States, 1993-94 1/

Expenditure - Farm Share :	1993		1994	
	: Million Dols	Percent	Million Dols	Percent
Total Farm Production Expenditures 2/ 3/	155.160	100.0	160,270	100.0
Livestock, Poultry & Related Expenses 4/	16.200	10.4	14,800	9.2
Feed	21,400	13.8	22,600	14.1
Farm Services 5/	21,020	13.5	23,000	14.4
Rent 6/	14,780	9.5	15,400	9.6
Agricultural Chemicals 7/	6,700	4.3	7,200	4.5
Fertilizer, Lime & Soil Conditioners 7/	8,370	5.4	9,150	5.7
Interest	9,300	6.0	9,450	5.9
Taxes (Real Estate & Property)	5,930	3.8	6,200	3.9
Labor	14,700	9.5	15,000	9.4
Fuels	5,090	3.3	5,100	3.2
Farm Supplies & Repairs 8/	10,120	6.5	10,800	6.7
Farm Improvements & Construction 9/	5,650	3.6	5,400	3.4
Tractors and Self-Propelled Farm Machinery	4,440	2.9	4,610	2.9
Other Farm Machinery	3,610	2.3	3,360	2.1
Seeds & Plants 10/	5,150	3.3	5,360	3.3
Trucks & Autos	2,500	1.6	2,560	1.6

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average
per Farm and Total, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	75,320	78,737	155,160	160,270
Livestock, Poultry & Related Expenses 4/	41.0	36.4	7,864	7,271	16,200	14,800
Feed	66.1	64.9	10,388	11,103	21,400	22,600
Farm Services 5/	96.8	96.6	10,204	11,299	21,020	23,000
Rent 6/	39.0	41.1	7,175	7,566	14,780	15,400
Agricultural Chemicals 7/	57.2	59.3	3,252	3,537	6,700	7,200
Fertilizer, Lime & Soil Conditioners 7/	66.6	66.7	4,063	4,495	8,370	9,150
Interest	53.1	54.0	4,515	4,643	9,300	9,450
Taxes (Real Estate & Property)	97.5	97.8	2,879	3,046	5,930	6,200
Labor	40.2	38.6	7,136	7,369	14,700	15,000
Fuels	90.3	89.3	2,471	2,506	5,090	5,100
Farm Supplies & Repairs 8/	85.6	88.9	4,913	5,306	10,120	10,800
Farm Improvements & Construction 9/	63.6	62.0	2,743	2,653	5,650	5,400
Tractors and Self-Propelled Farm Machinery	14.8	12.5	2,155	2,265	4,440	4,610
Other Farm Machinery	25.9	23.8	1,752	1,651	3,610	3,360
Seeds & Plants 10/	59.1	58.3	2,500	2,633	5,150	5,360
Trucks & Autos	14.8	13.2	1,214	1,258	2,500	2,560

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Crop Farms,
Average per Farm and Total, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	88,106	89,451	75,146	79,942
Livestock, Poultry & Related Expenses 4/	17.6	17.9	1,688	1,730	1,440	1,546
Feed	28.1	27.8	1,494	1,574	1,274	1,407
Farm Services 5/	93.7	94.6	13,033	14,271	11,116	12,754
Rent 6/	42.1	47.1	12,724	12,829	10,852	11,465
Agricultural Chemicals 7/	70.1	69.6	6,316	6,635	5,387	5,930
Fertilizer, Lime & Soil Conditioners 7/	75.1	72.6	7,017	7,523	5,985	6,723
Interest	55.1	55.2	5,723	5,636	4,881	5,037
Taxes (Real Estate & Property)	98.2	98.5	3,875	3,869	3,305	3,458
Labor	46.0	41.9	11,986	11,467	10,223	10,248
Fuels	85.7	85.5	3,480	3,418	2,968	3,055
Farm Supplies & Repairs 8/	82.2	86.2	6,881	6,965	5,869	6,225
Farm Improvements & Construction 9/	45.9	47.2	2,673	2,327	2,280	2,080
Tractors and Self-Propelled Farm Machinery	17.3	13.6	3,028	3,054	2,583	2,729
Other Farm Machinery	27.8	23.2	1,976	1,870	1,685	1,671
Seeds & Plants 10/	71.8	72.7	4,642	4,679	3,959	4,182
Trucks & Autos	16.2	13.4	1,412	1,392	1,204	1,244

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Livestock Farms,
Average per Farm and Total, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	66,286	70,352	80,014	80,328
Livestock, Poultry & Related Expenses 4/	57.5	50.9	12,228	11,608	14,760	13,254
Feed	93.0	93.9	16,674	18,561	20,127	21,193
Farm Services 5/	99.3	98.3	8,207	8,974	9,907	10,246
Rent 6/	37.0	36.5	3,252	3,446	3,925	3,935
Agricultural Chemicals 7/	48.1	51.3	1,088	1,112	1,313	1,270
Fertilizer, Lime & Soil Conditioners 7/	60.7	62.0	1,976	2,126	2,385	2,427
Interest	51.7	53.0	3,661	3,865	4,419	4,413
Taxes (Real Estate & Property)	97.0	97.2	2,175	2,401	2,625	2,742
Labor	36.2	36.0	3,710	4,162	4,478	4,752
Fuels	93.6	92.4	1,757	1,791	2,121	2,045
Farm Supplies & Repairs 8/	88.2	91.0	3,522	4,007	4,251	4,575
Farm Improvements & Construction 9/	75.2	73.5	2,792	2,908	3,370	3,320
Tractors and Self-Propelled Farm Machinery	13.0	11.8	1,538	1,647	1,857	1,881
Other Farm Machinery	24.7	24.3	1,595	1,479	1,925	1,689
Seeds & Plants 10/	50.2	46.9	987	1,032	1,191	1,178
Trucks & Autos	13.7	13.0	1,074	1,153	1,296	1,316

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$250,000 and Over, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	640,667	655,278	73,997	78,961
Livestock, Poultry & Related Expenses 4/	54.8	51.6	85,887	75,402	9,920	9,086
Feed	66.0	62.0	102,701	111,046	11,862	13,381
Farm Services 5/	100.0	100.0	83,316	90,755	9,623	10,936
Rent 6/	81.1	78.3	54,372	56,871	6,280	6,853
Agricultural Chemicals 7/	88.0	89.4	27,948	30,116	3,228	3,629
Fertilizer, Lime & Soil Conditioners 7/	86.1	86.5	30,199	32,556	3,488	3,923
Interest	89.0	91.2	30,165	30,315	3,484	3,653
Taxes (Real Estate & Property)	99.6	99.3	14,831	14,481	1,713	1,745
Labor	88.5	88.9	89,558	87,635	10,344	10,560
Fuels	99.3	99.5	16,381	16,432	1,892	1,980
Farm Supplies & Repairs 8/	99.8	99.3	35,827	38,763	4,138	4,671
Farm Improvements & Construction 9/	80.9	80.7	19,861	18,938	2,294	2,282
Tractors and Self-Propelled Farm Machinery	38.4	32.8	13,498	14,365	1,559	1,731
Other Farm Machinery	50.7	50.0	10,121	9,876	1,169	1,190
Seeds & Plants 10/	86.8	85.1	19,939	21,212	2,303	2,556
Trucks & Autos	32.7	31.3	5,169	5,286	597	637

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$100,000 - \$249,999, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	163,758	166,741	36,518	36,833
Livestock, Poultry & Related Expenses 4/	48.8	49.9	11,305	11,046	2,521	2,440
Feed	66.6	67.3	20,341	19,932	4,536	4,403
Farm Services 5/	99.8	100.0	21,511	22,639	4,797	5,001
Rent 6/	82.0	79.8	21,592	22,594	4,815	4,991
Agricultural Chemicals 7/	91.4	90.2	8,735	9,018	1,948	1,992
Fertilizer, Lime & Soil Conditioners 7/	93.0	89.9	10,726	11,702	2,392	2,585
Interest	86.5	85.3	10,498	10,498	2,341	2,319
Taxes (Real Estate & Property)	99.3	99.2	6,587	7,103	1,469	1,569
Labor	74.6	75.9	10,879	10,923	2,426	2,413
Fuels	99.4	98.7	6,206	6,093	1,384	1,346
Farm Supplies & Repairs 8/	99.3	98.5	11,516	11,720	2,568	2,589
Farm Improvements & Construction 9/	72.2	73.2	4,803	4,676	1,071	1,033
Tractors and Self-Propelled Farm Machinery	27.6	24.6	5,637	5,600	1,257	1,237
Other Farm Machinery	46.6	44.7	4,471	4,106	997	907
Seeds & Plants 10/	91.9	89.0	6,462	6,528	1,441	1,442
Trucks & Autos	23.9	21.3	2,336	2,345	521	518

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$40,000 - \$99,999, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	79,826	78,454	22,040	21,065
Livestock, Poultry & Related Expenses 4/	44.9	42.0	6,461	5,549	1,784	1,490
Feed	65.3	65.0	9,960	9,251	2,750	2,484
Farm Services 5/	98.5	99.5	11,347	11,974	3,133	3,215
Rent 6/	65.7	67.9	8,866	8,510	2,448	2,285
Agricultural Chemicals 7/	81.2	80.7	3,535	3,765	976	1,011
Fertilizer, Lime & Soil Conditioners 7/	83.0	87.1	4,875	5,263	1,346	1,413
Interest	70.9	71.5	5,201	4,980	1,436	1,337
Taxes (Real Estate & Property)	98.9	99.3	3,846	3,985	1,062	1,070
Labor	58.9	49.3	3,865	3,866	1,067	1,038
Fuels	97.1	97.8	3,419	3,244	944	871
Farm Supplies & Repairs 8/	95.6	97.8	6,023	6,123	1,663	1,644
Farm Improvements & Construction 9/	69.1	64.6	2,615	2,171	722	583
Tractors and Self-Propelled Farm Machinery	18.2	18.1	2,380	2,641	657	709
Other Farm Machinery	39.7	33.9	2,644	2,287	730	614
Seeds & Plants 10/	83.7	84.2	3,166	3,099	874	832
Trucks & Autos	20.8	20.3	1,532	1,628	423	437

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales \$10,000 - \$39,999, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	29,236	29,233	13,232	12,877
Livestock, Poultry & Related Expenses 4/	42.8	37.0	2,738	2,425	1,239	1,068
Feed	67.5	63.1	2,958	2,904	1,339	1,279
Farm Services 5/	94.7	98.6	4,445	4,799	2,012	2,114
Rent 6/	38.9	40.3	2,108	2,125	954	936
Agricultural Chemicals 7/	62.4	65.7	943	935	427	412
Fertilizer, Lime & Soil Conditioners 7/	72.5	69.1	1,677	1,746	759	769
Interest	51.6	55.7	2,119	2,095	959	923
Taxes (Real Estate & Property)	97.8	98.8	1,739	1,871	787	824
Labor	42.8	39.5	1,226	1,326	555	584
Fuels	94.0	93.9	1,248	1,210	565	533
Farm Supplies & Repairs 8/	88.1	93.8	2,271	2,390	1,028	1,053
Farm Improvements & Construction 9/	60.7	63.7	1,633	1,557	739	686
Tractors and Self-Propelled Farm Machinery	14.7	12.3	1,153	1,144	522	504
Other Farm Machinery	25.3	24.1	1,010	901	457	397
Seeds & Plants 10/	64.6	64.8	871	822	394	362
Trucks & Autos	15.0	13.1	1,056	922	478	406

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Economic Class Gross
Sales Less Than \$10,000, United States, 1993-94 1/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	9,441	10,693	9,373	10,534
Livestock, Poultry & Related Expenses 4/	35.7	29.6	741	727	736	716
Feed	65.6	65.5	921	1,069	914	1,053
Farm Services 5/	96.5	93.7	1,466	1,760	1,455	1,734
Rent 6/	17.3	20.6	285	340	283	335
Agricultural Chemicals 7/	36.8	39.5	123	158	122	156
Fertilizer, Lime & Soil Conditioners 7/	51.2	52.0	388	467	385	460
Interest	37.1	36.4	1,088	1,236	1,080	1,218
Taxes (Real Estate & Property)	96.3	96.3	906	1,007	899	992
Labor	20.5	20.4	311	411	309	405
Fuels	83.7	81.5	308	376	306	370
Farm Supplies & Repairs 8/	77.2	80.6	728	856	723	843
Farm Improvements & Construction 9/	59.7	55.5	830	828	824	816
Tractors and Self-Propelled Farm Machinery	8.2	5.8	449	435	446	429
Other Farm Machinery	15.0	12.8	259	256	257	252
Seeds & Plants 10/	39.2	37.5	139	171	138	168
Trucks & Autos	8.8	7.1	485	571	482	562

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Northeast Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	66,378	71,712	9,419	10,011
Livestock, Poultry & Related Expenses 4/	37.6	36.6	4,179	3,188	593	445
Feed	63.8	63.9	13,735	13,718	1,949	1,915
Farm Services 5/	97.7	96.5	9,591	11,741	1,361	1,639
Rent 6/	31.9	41.3	1,917	2,142	272	299
Agricultural Chemicals 7/	54.6	55.6	1,593	1,956	226	273
Fertilizer, Lime & Soil Conditioners 7/	62.7	66.9	2,579	2,930	366	409
Interest	48.3	44.4	3,235	3,474	459	485
Taxes (Real Estate & Property)	97.8	98.3	3,686	3,782	523	528
Labor	34.6	36.0	8,929	9,334	1,267	1,303
Fuels	95.7	92.1	1,860	2,156	264	301
Farm Supplies & Repairs 8/	91.4	91.9	5,342	6,533	758	912
Farm Improvements & Construction 9/	69.4	67.7	3,354	3,474	476	485
Tractors and Self-Propelled Farm Machinery	15.8	13.7	1,529	1,948	217	272
Other Farm Machinery	31.8	30.0	1,959	2,027	278	283
Seeds & Plants 10/	60.9	66.4	1,952	2,264	277	316
Trucks & Autos	9.4	10.0	839	888	119	124

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Lake States Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	75,115	81,321	16,375	17,484
Livestock, Poultry & Related Expenses 4/	42.0	35.6	4,927	5,088	1,074	1,094
Feed	60.9	58.4	9,592	10,330	2,091	2,221
Farm Services 5/	95.2	98.1	10,060	10,633	2,193	2,286
Rent 6/	41.2	41.8	5,890	6,395	1,284	1,375
Agricultural Chemicals 7/	62.5	69.3	3,326	3,791	725	815
Fertilizer, Lime & Soil Conditioners 7/	61.3	66.8	4,229	4,916	922	1,057
Interest	66.1	63.9	5,491	5,851	1,197	1,258
Taxes (Real Estate & Property)	99.9	99.5	4,257	4,479	928	963
Labor	38.3	42.4	5,862	6,163	1,278	1,325
Fuels	88.1	91.9	2,610	2,707	569	582
Farm Supplies & Repairs 8/	86.1	94.1	6,092	6,819	1,328	1,466
Farm Improvements & Construction 9/	58.3	60.9	2,638	3,023	575	650
Tractors and Self-Propelled Farm Machinery	14.9	15.5	2,826	3,088	616	664
Other Farm Machinery	31.8	37.6	2,514	2,507	548	539
Seeds & Plants 10/	69.0	70.3	3,454	4,028	753	866
Trucks & Autos	13.7	13.5	1,202	1,279	262	275

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Corn Belt Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	75,823	78,332	32,149	32,821
Livestock, Poultry & Related Expenses 4/	35.6	36.2	6,203	6,415	2,630	2,688
Feed	56.7	59.4	9,811	10,461	4,160	4,383
Farm Services 5/	96.7	96.6	7,384	7,286	3,131	3,053
Rent 6/	45.2	44.4	12,866	13,422	5,455	5,624
Agricultural Chemicals 7/	60.5	62.7	4,009	4,556	1,700	1,909
Fertilizer, Lime & Soil Conditioners 7/	66.2	66.8	5,634	5,995	2,389	2,512
Interest	63.4	64.4	4,790	4,852	2,031	2,033
Taxes (Real Estate & Property)	99.9	99.9	3,283	3,360	1,392	1,408
Labor	36.5	30.5	3,262	3,158	1,383	1,323
Fuels	85.4	84.9	2,467	2,427	1,046	1,017
Farm Supplies & Repairs 8/	87.5	86.2	4,399	4,728	1,865	1,981
Farm Improvements & Construction 9/	63.3	59.3	2,844	2,866	1,206	1,201
Tractors and Self-Propelled Farm Machinery	15.3	14.9	2,354	2,360	998	989
Other Farm Machinery	29.3	25.0	1,875	1,690	795	708
Seeds & Plants 10/	65.6	66.0	3,616	3,609	1,533	1,512
Trucks & Autos	16.1	12.8	943	1,031	400	432

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Northern Plains Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	99,139	100,640	18,539	18,719
Livestock, Poultry & Related Expenses 4/	53.3	42.3	18,711	15,231	3,499	2,833
Feed	71.4	62.8	10,155	10,543	1,899	1,961
Farm Services 5/	96.9	96.7	10,471	11,694	1,958	2,175
Rent 6/	65.8	65.6	13,016	14,435	2,434	2,685
Agricultural Chemicals 7/	71.1	72.2	3,652	4,091	683	761
Fertilizer, Lime & Soil Conditioners 7/	60.5	64.9	4,930	5,742	922	1,068
Interest	66.7	69.7	6,016	6,339	1,125	1,179
Taxes (Real Estate & Property)	97.5	99.6	4,861	5,048	909	939
Labor	41.4	43.5	3,225	3,651	603	679
Fuels	94.2	90.2	3,840	3,785	718	704
Farm Supplies & Repairs 8/	89.4	91.6	7,182	7,145	1,343	1,329
Farm Improvements & Construction 9/	61.5	62.6	2,588	2,462	484	458
Tractors and Self-Propelled Farm Machinery	20.7	17.7	3,112	3,118	582	580
Other Farm Machinery	31.0	34.5	2,845	2,570	532	478
Seeds & Plants 10/	67.5	68.7	2,845	3,097	532	576
Trucks & Autos	20.7	17.8	1,652	1,629	309	303

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Appalachian Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	35,258	36,432	10,542	10,711
Livestock, Poultry & Related Expenses 4/	38.2	34.4	3,411	3,633	1,020	1,068
Feed	74.7	69.5	5,746	7,024	1,718	2,065
Farm Services 5/	97.5	95.8	4,428	4,415	1,324	1,298
Rent 6/	27.1	29.7	2,545	2,388	761	702
Agricultural Chemicals 7/	65.9	56.0	1,298	1,245	388	366
Fertilizer, Lime & Soil Conditioners 7/	80.1	77.2	2,144	2,139	641	629
Interest	38.4	38.2	1,863	1,844	557	542
Taxes (Real Estate & Property)	96.7	98.3	1,017	1,078	304	317
Labor	44.4	42.5	3,268	3,381	977	994
Fuels	93.3	92.0	1,241	1,320	371	388
Farm Supplies & Repairs 8/	88.0	90.3	2,314	2,238	692	658
Farm Improvements & Construction 9/	67.3	66.0	1,639	1,378	490	405
Tractors and Self-Propelled Farm Machinery	13.0	9.0	1,301	1,439	389	423
Other Farm Machinery	28.5	19.2	1,314	1,194	393	351
Seeds & Plants 10/	64.8	59.0	886	871	265	256
Trucks & Autos	13.0	10.3	809	793	242	233

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Southeast Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	66,214	68,539	10,283	10,418
Livestock, Poultry & Related Expenses 4/	33.0	31.1	3,928	4,211	610	640
Feed	66.4	64.2	11,455	11,882	1,779	1,806
Farm Services 5/	94.9	96.3	8,429	9,901	1,309	1,505
Rent 6/	33.6	31.6	2,685	2,513	417	382
Agricultural Chemicals 7/	54.3	50.3	4,102	4,118	637	626
Fertilizer, Lime & Soil Conditioners 7/	79.5	73.4	4,726	4,776	734	726
Interest	36.1	37.6	2,968	3,079	461	468
Taxes (Real Estate & Property)	96.0	96.7	1,932	2,053	300	312
Labor	38.0	34.5	9,723	9,651	1,510	1,467
Fuels	84.3	89.0	2,067	1,980	321	301
Farm Supplies & Repairs 8/	76.7	83.0	4,578	4,678	711	711
Farm Improvements & construction 9/	61.4	57.4	2,556	2,586	397	393
Tractors and Self-Propelled Farm Machinery	12.6	11.9	1,951	1,987	303	302
Other Farm Machinery	21.8	17.1	1,172	1,066	182	162
Seeds & Plants 10/	53.3	45.5	2,569	2,632	399	400
Trucks & Autos	11.4	10.4	1,146	1,105	178	168

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Delta States Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	78,535	81,667	8,953	9,065
Livestock, Poultry & Related Expenses 4/	46.8	33.9	8,035	7,784	916	864
Feed	73.0	70.4	16,605	18,000	1,893	1,998
Farm Services 5/	93.3	93.2	11,298	12,820	1,288	1,423
Rent 6/	28.0	35.7	6,868	6,613	783	734
Agricultural Chemicals 7/	48.5	48.2	5,535	5,856	631	650
Fertilizer, Lime & Soil Conditioners 7/	70.9	69.7	3,693	3,964	421	440
Interest	35.6	45.4	3,044	3,324	347	369
Taxes (Real Estate & Property)	86.2	90.5	1,184	1,288	135	143
Labor	35.4	40.1	5,544	5,216	632	579
Fuels	93.6	90.3	2,605	2,532	297	281
Farm Supplies & Repairs 8/	83.9	88.5	4,175	4,847	476	538
Farm Improvements & Construction 9/	67.6	68.0	1,912	1,568	218	174
Tractors and Self-Propelled Farm Machinery	15.9	10.9	2,781	2,622	317	291
Other Farm Machinery	16.7	16.6	1,816	1,604	207	178
Seeds & Plants 10/	59.8	48.8	1,868	2,054	213	228
Trucks & Autos	14.1	9.5	1,456	1,405	166	156

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Southern Plains Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	56,904	57,243	14,539	14,597
Livestock, Poultry & Related Expenses 4/	50.6	40.5	11,683	10,816	2,985	2,758
Feed	84.6	83.0	7,796	8,435	1,992	2,151
Farm Services 5/	98.4	96.6	8,501	8,592	2,172	2,191
Rent 6/	35.6	42.1	3,914	4,796	1,000	1,223
Agricultural Chemicals 7/	34.0	46.5	1,476	1,506	377	384
Fertilizer, Lime & Soil Conditioners 7/	61.5	61.4	2,556	2,847	653	726
Interest	49.4	46.4	3,080	3,024	787	771
Taxes (Real Estate & Property)	97.9	94.7	1,628	1,827	416	466
Labor	35.6	34.5	3,785	3,506	967	894
Fuels	93.0	92.7	2,235	2,220	571	566
Farm Supplies & Repairs 8/	80.2	85.6	3,033	3,016	775	769
Farm Improvements & Construction 9/	69.6	59.5	2,055	1,694	525	432
Tractors and Self-Propelled Farm Machinery	11.6	6.7	1,550	1,420	396	362
Other Farm Machinery	17.3	15.2	1,057	890	270	227
Seeds & Plants 10/	41.6	46.1	1,108	1,137	283	290
Trucks & Autos	14.6	14.9	1,401	1,447	358	369

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Mountain Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	94,465	108,146	10,939	12,426
Livestock, Poultry & Related Expenses 4/	46.2	41.2	13,307	12,211	1,541	1,403
Feed	64.9	59.5	10,812	13,107	1,252	1,506
Farm Services 5/	99.8	98.0	15,639	19,112	1,811	2,196
Rent 6/	46.1	49.2	7,617	8,085	882	929
Agricultural Chemicals 7/	51.2	64.5	2,427	2,863	281	329
Fertilizer, Lime & Soil Conditioners 7/	52.6	51.8	3,739	4,891	433	562
Interest	66.0	60.1	7,340	7,459	850	857
Taxes (Real Estate & Property)	96.3	96.4	3,022	3,316	350	381
Labor	45.2	49.2	9,093	11,654	1,053	1,339
Fuels	90.7	91.8	3,264	3,690	378	424
Farm Supplies & Repairs 8/	88.6	92.8	6,408	8,111	742	932
Farm Improvements & Construction 9/	62.3	67.6	3,247	3,194	376	367
Tractors and Self-Propelled Farm Machinery	14.2	14.2	2,427	3,037	281	349
Other Farm Machinery	26.2	23.1	1,908	2,158	221	248
Seeds & Plants 10/	52.0	55.7	2,358	2,785	273	320
Trucks & Autos	18.9	21.5	1,744	2,289	202	263

See footnotes on page 21.

Farm Production Expenditures: Major Input Items, Average per Farm
and Total, Pacific Region, 1993-94 13/

Expenditure - Farm Share	Farms Reporting 11/		Average per Farm 12/		Total Expenditures	
	1993	1994	1993	1994	1993	1994
	-- Percent --		--- Dollars ---		Million Dollars	
Total Farm Production Expenditures 2/ 3/	100.0	100.0	156,669	161,195	23,422	24,018
Livestock, Poultry & Related Expenses 4/	31.5	30.9	8,903	6,758	1,331	1,007
Feed	42.6	53.6	17,839	17,409	2,667	2,594
Farm Services 5/	98.7	98.2	29,933	35,128	4,475	5,234
Rent 6/	30.7	29.0	9,973	9,711	1,491	1,447
Agricultural Chemicals 7/	61.7	64.7	7,043	7,295	1,053	1,087
Fertilizer, Lime & Soil Conditioners 7/	63.1	58.9	5,940	6,852	888	1,021
Interest	49.0	62.1	9,933	9,987	1,485	1,488
Taxes (Real Estate & Property)	99.0	98.3	4,508	4,987	674	743
Labor	59.5	46.9	33,645	34,208	5,030	5,097
Fuels	90.7	81.9	3,732	3,597	558	536
Farm Supplies & Repairs 8/	83.8	89.5	9,572	10,094	1,431	1,504
Farm Improvements & Construction 9/	53.8	57.0	6,040	5,604	903	835
Tractors and Self-Propelled Farm Machinery	15.6	12.0	2,288	2,537	342	378
Other Farm Machinery	17.2	18.0	1,237	1,248	185	186
Seeds & Plants 10/	44.1	39.8	4,174	4,000	624	596
Trucks & Autos	14.7	12.9	1,773	1,591	265	237

See footnotes on page 21.

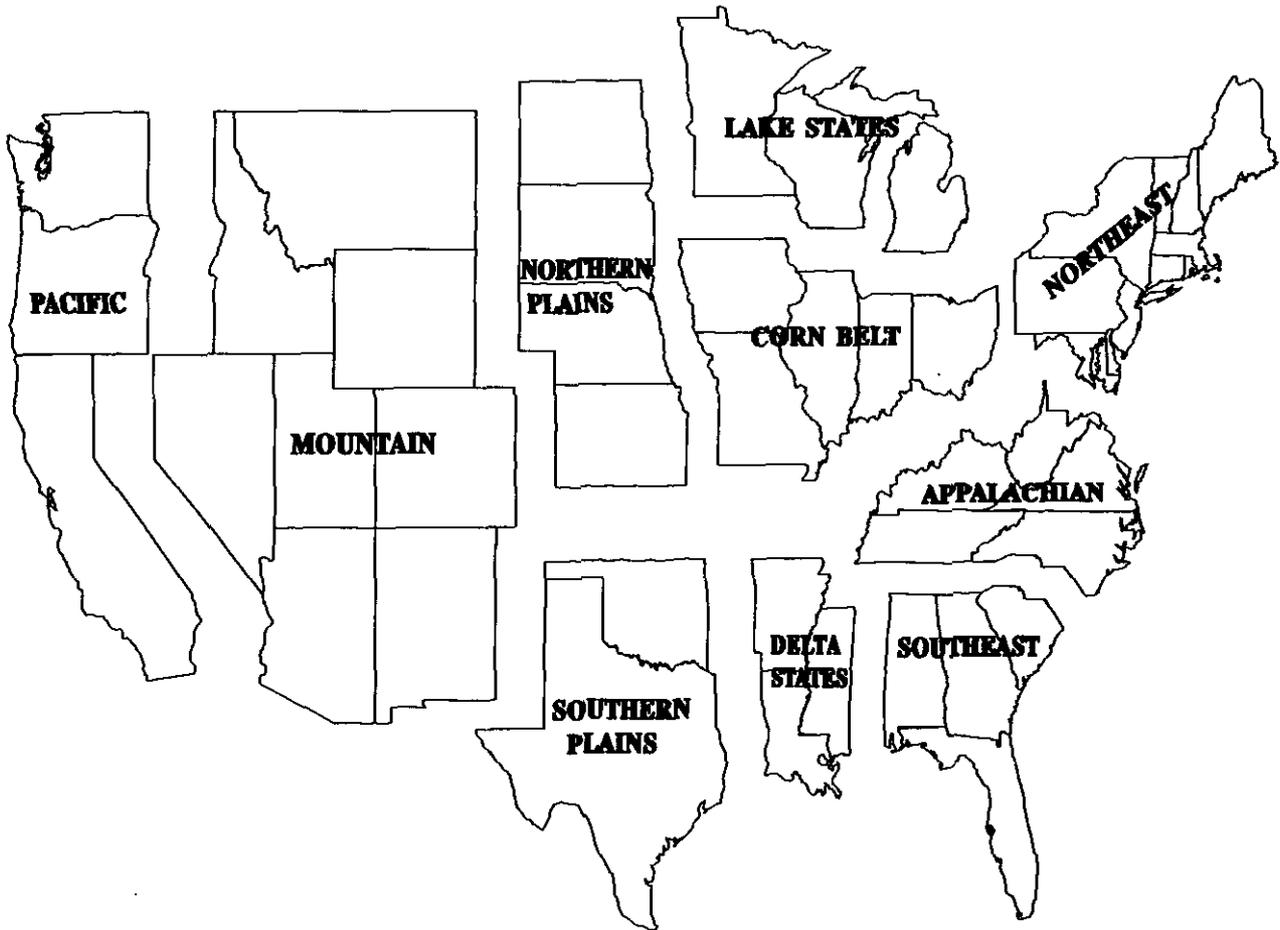
Footnotes

- 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; 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 13,400 farms and ranches contacted in February through April 1995 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. 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 1993 and 1994 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 1990 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 "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, 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.

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 1994 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.2 percent; from 5.3 to 10.7 percent at the Regional level; from 3.4 to 7.1 percent at the U.S. Economic Sales Class level; 2.8 percent for Crop Farms; and 3.7 percent for Livestock Farms. For 1993 total expenditures, the relative sampling errors were as follows for the different domains estimated: at the U.S. level 2.7 percent; from 3.7 to 12.3 percent at the Regional level; from 3.6 to 6.3 percent at the U.S. Economic Sales Class level; 3.1 percent for Crop Farms; and 4.5 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, 1990-94 1/

Expenditure - Farm Share	1990	1991	1992	1993	1994
	Million Dollars				
Total Farm Production Expenditures 2/ 3/	145,620	146,380	145,030	155,160	160,270
Livestock, Poultry & Related Expenses 4/	15,480	14,300	14,200	16,200	14,800
Feed	20,400	19,300	20,100	21,400	22,600
Farm Services 5/	17,110	18,510	18,070	21,020	23,000
Rent 6/	14,050	14,490	14,830	14,780	15,400
Agricultural Chemicals 7/	5,370	6,300	6,450	6,700	7,200
Fertilizer, Lime & Soil Conditioners 7/	8,210	8,630	8,300	8,370	9,150
Interest	10,490	10,400	9,600	9,300	9,450
Taxes (Real Estate & Property)	5,460	5,490	5,720	5,930	6,200
Labor	13,800	13,600	13,700	14,700	15,000
Fuels	5,440	5,360	5,070	5,090	5,100
Farm Supplies & Repairs 8/	9,960	10,100	9,040	10,120	10,800
Farm Improvements & Construction 9/	4,260	4,230	4,300	5,650	5,400
Tractors and Self-Propelled Farm Machinery	4,340	4,120	4,180	4,440	4,610
Other Farm Machinery	4,020	3,740	4,000	3,610	3,360
Seeds & Plants 10/	4,500	5,100	4,900	5,150	5,360
Trucks & Autos	2,550	2,400	2,300	2,500	2,560

See footnotes on page 21.

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The next "Farm Production Expenditures" report will be released in July 1996.

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