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Farm Production Expenditures 2023 Summary

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2023 United States Total Farm Production Expenditure Highlights

Farm production expenditures in the United States are estimated at \$481.9 billion for 2023, up from \$452.5 billion in 2022. The 2023 total farm production expenditures are up 6.5 percent compared with 2022 total farm production expenditures.

The four largest expenditures at the United States level total \$238.7 billion and account for 49.6 percent of total expenditures in 2023. These include feed, 16.6 percent, livestock, poultry, and related expenses, 11.6 percent, farm services, 11.3 percent, and labor, 10.1 percent.

In 2023, the United States total farm expenditure average per farm is \$255,047, up 12.4 percent from \$226,885 in 2022. On average, United States farm operations spent \$42,340 on feed, \$29,479 on livestock, poultry, and related expenses, \$28,844 on farm services, and \$25,669 on labor. For 2022, United States farms spent an average of \$41,917 on feed, \$24,669 on farm services, \$22,563 on livestock, poultry, and related expenses, and \$21,109 on labor.

Total fuel expense is \$16.5 billion. Diesel, the largest sub-component, is \$10.9 billion, accounting for 66.1 percent. Diesel expenditures are down 4.4 percent from the previous year. Gasoline is \$2.8 billion, down 5.7 percent. LP gas is \$1.8 billion, down 15.5 percent. Other fuel is \$1 billion, unchanged.

The United States economic sales class contributing most to the 2023 United States total expenditures is the \$1,000,000 to \$4,999,999 class, with expenses of \$172 billion, 35.7 percent of the United States total, up 15.6 percent from the 2022 level of \$148.7 billion. The next highest is the \$5,000,000 and over class with \$147.6 billion, up 9.4 percent from \$134.9 billion in 2022.

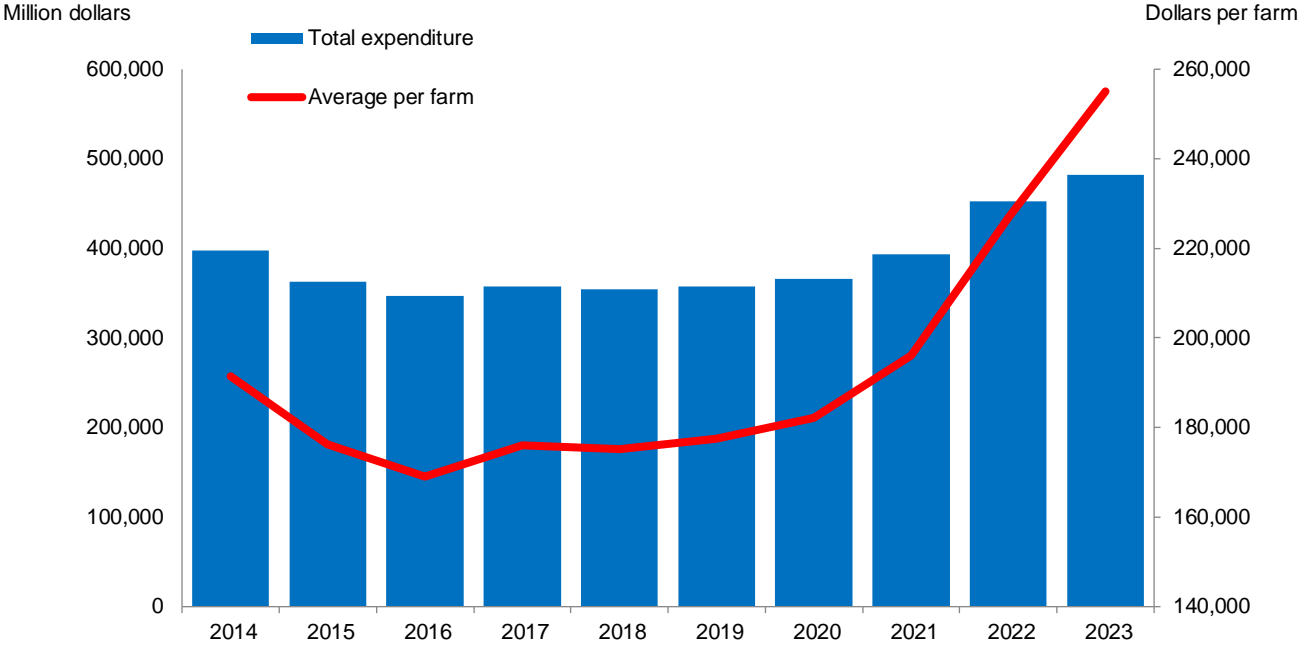
In 2023, crop farms expenditures increased to \$252.5 billion, up 8.2 percent, while livestock farms expenditures increased to \$229.4 billion, up 4.7 percent. The largest expenditures for crop farms are labor at \$36.1 billion (14.3 percent), farm services at \$32.1 billion (12.7 percent), fertilizer, lime, and soil conditioners at \$31.0 billion (12.3 percent), and rent at \$29.7 billion (11.8 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$75.1 billion, accounting for 29.7 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$77.7 billion (33.9 percent of total), livestock, poultry, and related expenses at \$53.6 billion (23.4 percent), and farm services at \$22.4 billion (9.8 percent). Together, these line items account for 67.1 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$298,017 compared to \$220,113 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$151.2 billion (31.4 percent), up from \$144.6 billion in 2022. Other regions, ranked by total expenditures, are the Plains at \$113.7 billion (23.6 percent), West at \$107.0 billion (22.2 percent), Atlantic at \$59.9 billion (12.4 percent), and South at \$50.0 billion (10.4 percent).

Combined total expenditures for the 15 estimate states is \$322.9 billion in 2023 (67.0 percent of the United States total expenditures) and \$302.0 billion in 2022 (66.7 percent). California contributed most to the 2023 United States total expenditures, with expenses of \$52.7 billion, (10.9 percent). California expenditures are up 14.9 percent from the 2022 estimate of \$45.9 billion. Iowa, the next leading state, has \$37.9 billion in expenses, (7.9 percent). Other states with more than \$24 billion in total expenditures are Texas with \$30.6 billion, Nebraska with \$28.5 billion, Minnesota with \$25.0 billion, and Kansas with \$24.2 billion.

For further information on USDA farm expenditures, please visit https://www.nass.usda.gov/Statistics_by_Subject/Economics_and_Prices/index.php

Farm Production Expenditures, Total, and Average Per Farm by Year – United States: 2014-2023



Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	2022		2023	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry, and related expenses	45,000	9.9	55,700	11.6
Feed	83,600	18.5	80,000	16.6
Farm services	49,200	10.9	54,500	11.3
Rent	32,200	7.1	34,800	7.2
Agricultural chemicals	21,400	4.7	21,600	4.5
Fertilizer, lime, and soil conditioners	36,600	8.1	35,800	7.4
Interest	9,000	2.0	11,600	2.4
Taxes	15,700	3.5	16,000	3.3
Labor	42,100	9.3	48,500	10.1
Fuel	17,500	3.9	16,500	3.4
Farm supplies and repairs	21,900	4.8	24,100	5.0
Farm improvements and construction	19,200	4.2	20,200	4.2
Tractors and self-propelled farm machinery	18,700	4.1	18,900	3.9
Other farm machinery	7,900	1.7	8,600	1.8
Seeds and plants	25,000	5.5	27,300	5.7
Trucks and autos	5,900	1.3	5,700	1.2
Miscellaneous capital expenses	1,600	0.4	2,100	0.4
Total farm production expenditures	452,500	100.0	481,900	100.0

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.6	23.3	22,563	29,479	45,000	55,700
Feed	55.4	57.0	41,917	42,340	83,600	80,000
Farm services	88.8	90.7	24,669	28,844	49,200	54,500
Rent	24.8	28.2	16,145	18,418	32,200	34,800
Agricultural chemicals	39.1	42.7	10,730	11,432	21,400	21,600
Fertilizer, lime, and soil conditioners	43.3	46.7	18,351	18,947	36,600	35,800
Interest	25.7	27.8	4,513	6,139	9,000	11,600
Taxes	99.3	99.7	7,872	8,468	15,700	16,000
Labor	21.7	24.7	21,109	25,669	42,100	48,500
Fuel	81.9	82.9	8,775	8,733	17,500	16,500
Farm supplies and repairs	78.8	79.2	10,981	12,755	21,900	24,100
Farm improvements and construction	46.7	48.2	9,627	10,691	19,200	20,200
Tractors and self-propelled farm machinery	13.0	13.8	9,376	10,003	18,700	18,900
Other farm machinery	13.0	13.0	3,961	4,552	7,900	8,600
Seeds and plants	35.9	38.1	12,535	14,449	25,000	27,300
Trucks and autos	10.7	11.4	2,958	3,017	5,900	5,700
Miscellaneous capital expenses	7.8	9.3	802	1,111	1,600	2,100
Total farm production expenditures	100.0	100.0	226,885	255,047	452,500	481,900

Farm Production Expenditures by Year – United States: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii]

Expenditure	2019	2020	2021	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	42,800	39,600	42,400	45,000	55,700
Feed	59,400	56,800	65,200	83,600	80,000
Farm services	42,800	44,700	45,000	49,200	54,500
Rent	29,700	30,100	32,000	32,200	34,800
Agricultural chemicals	15,500	16,500	17,800	21,400	21,600
Fertilizer, lime, and soil conditioners	22,300	24,400	29,500	36,600	35,800
Interest	10,500	9,900	8,700	9,000	11,600
Taxes	13,400	14,100	14,700	15,700	16,000
Labor	34,800	36,700	36,800	42,100	48,500
Fuel	12,300	11,100	12,900	17,500	16,500
Farm supplies and repairs	17,600	19,400	20,200	21,900	24,100
Farm improvements and construction	13,500	14,400	14,500	19,200	20,200
Tractors and self-propelled farm machinery	11,900	13,700	17,600	18,700	18,900
Other farm machinery	5,100	6,000	7,000	7,900	8,600
Seeds and plants	21,200	23,000	22,300	25,000	27,300
Trucks and autos	4,430	5,100	5,200	5,900	5,700
Miscellaneous capital expenses	570	700	1,100	1,600	2,100
Total farm production expenditures	357,800	366,200	392,900	452,500	481,900

Farm Production Expenditures by Percent of Total – United States: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii]

Expenditure	2019	2020	2021	2022	2023
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry, and related expenses	12.0	10.8	10.8	9.9	11.6
Feed	16.6	15.5	16.6	18.5	16.6
Farm services	12.0	12.2	11.5	10.9	11.3
Rent	8.3	8.2	8.1	7.1	7.2
Agricultural chemicals	4.3	4.5	4.5	4.7	4.5
Fertilizer, lime, and soil conditioners	6.2	6.7	7.5	8.1	7.4
Interest	2.9	2.7	2.2	2.0	2.4
Taxes	3.7	3.9	3.7	3.5	3.3
Labor	9.7	10.0	9.4	9.3	10.1
Fuel	3.4	3.0	3.3	3.9	3.4
Farm supplies and repairs	4.9	5.3	5.1	4.8	5.0
Farm improvements and construction	3.8	3.9	3.7	4.2	4.2
Tractors and self-propelled farm machinery	3.3	3.7	4.5	4.1	3.9
Other farm machinery	1.4	1.6	1.8	1.7	1.8
Seeds and plants	5.9	6.3	5.7	5.5	5.7
Trucks and autos	1.2	1.4	1.3	1.3	1.2
Miscellaneous capital expenses	0.2	0.2	0.3	0.4	0.4
Total farm production expenditures	100.0	100.0	100.0	100.0	100.0

Crop Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	9.3	9.8	2,661	2,479	2,400	2,100
Feed	18.4	18.0	2,883	2,715	2,600	2,300
Farm services	84.1	87.6	31,936	37,887	28,800	32,100
Rent	28.2	32.1	29,496	35,054	26,600	29,700
Agricultural chemicals	51.5	54.8	21,401	22,897	19,300	19,400
Fertilizer, lime, and soil conditioners	57.5	60.0	35,262	36,588	31,800	31,000
Interest	26.5	28.8	5,434	7,672	4,900	6,500
Taxes	99.7	99.9	10,756	11,803	9,700	10,000
Labor	24.3	27.1	32,268	42,608	29,100	36,100
Fuel	78.7	80.0	12,198	12,393	11,000	10,500
Farm supplies and repairs	74.3	77.8	14,415	17,586	13,000	14,900
Farm improvements and construction	43.8	43.4	10,756	12,629	9,700	10,700
Tractors and self-propelled farm machinery	14.1	15.7	14,415	15,225	13,000	12,900
Other farm machinery	15.7	15.0	5,988	6,728	5,400	5,700
Seeds and plants	52.4	55.6	24,728	29,153	22,300	24,700
Trucks and autos	11.3	12.0	3,327	3,659	3,000	3,100
Miscellaneous capital expenses	7.8	7.5	887	944	800	800
Total farm production expenditures	100.0	100.0	258,813	298,017	233,400	252,500

Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	37.2	34.2	38,990	51,430	42,600	53,600
Feed	85.9	88.6	74,136	74,554	81,000	77,700
Farm services	92.7	93.1	18,671	21,493	20,400	22,400
Rent	21.9	25.0	5,125	4,894	5,600	5,100
Agricultural chemicals	29.0	32.9	1,922	2,111	2,100	2,200
Fertilizer, lime, and soil conditioners	31.7	36.0	4,393	4,606	4,800	4,800
Interest	24.9	26.9	3,753	4,894	4,100	5,100
Taxes	99.0	99.6	5,492	5,757	6,000	6,000
Labor	19.6	22.8	11,898	11,898	13,000	12,400
Fuel	84.6	85.2	5,949	5,757	6,500	6,000
Farm supplies and repairs	82.6	80.4	8,146	8,828	8,900	9,200
Farm improvements and construction	49.1	52.1	8,695	9,115	9,500	9,500
Tractors and self-propelled farm machinery	12.2	12.3	5,217	5,757	5,700	6,000
Other farm machinery	10.8	11.4	2,288	2,783	2,500	2,900
Seeds and plants	22.4	23.9	2,471	2,495	2,700	2,600
Trucks and autos	10.1	11.0	2,654	2,495	2,900	2,600
Miscellaneous capital expenses	7.9	10.7	732	1,247	800	1,300
Total farm production expenditures	100.0	100.0	200,532	220,113	219,100	229,400

Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Economic Class	Percent of total		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000	4.1	3.4	18,142	17,816	18,360	16,220
\$10,000 - \$49,999	4.8	4.2	45,715	46,081	21,510	20,020
\$50,000 - \$99,999	3.0	3.3	96,581	104,348	13,390	15,960
\$100,000 - \$249,999	5.6	5.0	189,081	190,374	25,490	23,890
\$250,000 - \$499,999	7.6	7.4	389,855	409,249	34,510	35,630
\$500,000 - \$999,999	12.3	10.5	776,242	723,492	55,610	50,630
\$1,000,000 - \$4,999,999	32.9	35.7	2,156,132	1,782,442	148,730	171,970
\$5,000,000 and over	29.8	30.6	14,520,990	11,675,633	134,900	147,580
Total farm production expenditures	100.0	100.0	226,885	255,047	452,500	481,900

Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.4	14.4	425	341	430	310
Feed	54.0	56.8	1,887	1,823	1,910	1,660
Farm services	81.5	84.2	2,352	2,493	2,380	2,270
Rent	6.5	9.8	119	231	120	210
Agricultural chemicals	20.1	23.0	138	154	140	140
Fertilizer, lime, and soil conditioners	24.3	24.3	415	450	420	410
Interest	12.4	12.9	632	791	640	720
Taxes	99.1	99.5	2,490	2,790	2,520	2,540
Labor	10.6	13.8	860	417	870	380
Fuel	71.7	73.1	958	967	970	880
Farm supplies and repairs	68.8	68.1	1,334	1,439	1,350	1,310
Farm improvements and construction	37.8	39.7	2,915	2,318	2,950	2,110
Tractors and self-propelled farm machinery	8.7	8.4	1,660	1,516	1,680	1,380
Other farm machinery	6.9	6.1	415	384	420	350
Seeds and plants	18.9	18.9	208	231	210	210
Trucks and autos	5.2	7.3	1,008	956	1,020	870
Miscellaneous capital expenses	5.1	7.3	326	516	330	470
Total farm production expenditures	100.0	100.0	18,142	17,816	18,360	16,220

Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.3	24.2	1,573	1,588	740	690
Feed	62.2	63.3	4,484	4,327	2,110	1,880
Farm services	93.1	92.8	7,077	5,777	3,330	2,510
Rent	24.7	24.1	1,318	1,174	620	510
Agricultural chemicals	37.9	40.4	744	875	350	380
Fertilizer, lime, and soil conditioners	44.8	50.7	2,317	2,555	1,090	1,110
Interest	24.3	25.7	1,275	1,680	600	730
Taxes	99.2	99.7	4,272	4,327	2,010	1,880
Labor	18.3	18.3	2,572	1,749	1,210	760
Fuel	88.4	86.8	2,699	2,532	1,270	1,100
Farm supplies and repairs	82.5	82.3	3,804	3,637	1,790	1,580
Farm improvements and construction	46.6	49.0	4,484	6,123	2,110	2,660
Tractors and self-propelled farm machinery	11.4	12.5	3,762	4,396	1,770	1,910
Other farm machinery	10.9	12.6	1,041	1,519	490	660
Seeds and plants	32.3	33.7	1,063	1,013	500	440
Trucks and autos	12.8	9.9	2,508	1,818	1,180	790
Miscellaneous capital expenses	7.9	8.1	723	990	340	430
Total farm production expenditures	100.0	100.0	45,715	46,081	21,510	20,020

Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.2	28.7	4,472	4,381	620	670
Feed	56.0	55.2	9,377	6,669	1,300	1,020
Farm services	98.0	99.5	12,406	13,599	1,720	2,080
Rent	42.3	45.5	5,049	5,361	700	820
Agricultural chemicals	61.7	60.6	3,679	4,184	510	640
Fertilizer, lime, and soil conditioners	67.3	69.2	8,872	8,826	1,230	1,350
Interest	34.6	32.7	3,318	3,138	460	480
Taxes	100.0	100.0	6,708	6,996	930	1,070
Labor	28.8	32.1	6,131	9,807	850	1,500
Fuel	90.6	90.5	5,842	5,100	810	780
Farm supplies and repairs	90.2	89.6	7,141	8,238	990	1,260
Farm improvements and construction	56.8	53.4	6,347	8,826	880	1,350
Tractors and self-propelled farm machinery	14.0	17.1	5,554	6,603	770	1,010
Other farm machinery	20.1	12.7	3,390	2,092	470	320
Seeds and plants	56.3	57.8	4,472	5,950	620	910
Trucks and autos	14.2	15.3	2,741	3,596	380	550
Miscellaneous capital expenses	10.8	9.3	1,082	981	150	150
Total farm production expenditures	100.0	100.0	96,581	104,348	13,390	15,960

Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	36.3	34.7	8,160	7,969	1,100	1,000
Feed	50.0	52.9	13,352	12,750	1,800	1,600
Farm services	99.8	99.8	25,369	27,094	3,420	3,400
Rent	58.2	57.8	14,094	12,272	1,900	1,540
Agricultural chemicals	79.2	79.2	11,349	9,802	1,530	1,230
Fertilizer, lime, and soil conditioners	81.8	84.1	21,363	17,850	2,880	2,240
Interest	49.6	46.7	4,970	5,419	670	680
Taxes	99.9	100.0	10,608	11,395	1,430	1,430
Labor	39.7	37.7	11,869	11,634	1,600	1,460
Fuel	95.8	96.2	10,014	9,563	1,350	1,200
Farm supplies and repairs	95.4	96.2	14,094	13,228	1,900	1,660
Farm improvements and construction	63.0	56.1	9,124	15,061	1,230	1,890
Tractors and self-propelled farm machinery	17.6	19.5	10,608	10,838	1,430	1,360
Other farm machinery	24.5	23.7	5,638	5,738	760	720
Seeds and plants	74.6	75.0	12,685	12,909	1,710	1,620
Trucks and autos	14.8	15.3	4,302	4,463	580	560
Miscellaneous capital expenses	13.0	13.8	1,484	2,391	200	300
Total farm production expenditures	100.0	100.0	189,081	190,374	25,490	23,890

Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	40.0	39.0	20,334	24,006	1,800	2,090
Feed	49.4	47.4	28,016	32,506	2,480	2,830
Farm services	100.0	100.0	46,882	50,998	4,150	4,440
Rent	71.0	71.4	36,828	35,837	3,260	3,120
Agricultural chemicals	85.1	84.2	26,887	25,040	2,380	2,180
Fertilizer, lime, and soil conditioners	87.7	88.1	47,221	41,235	4,180	3,590
Interest	57.8	66.4	9,602	13,783	850	1,200
Taxes	99.6	100.0	17,736	16,770	1,570	1,460
Labor	45.9	45.8	29,372	31,012	2,600	2,700
Fuel	99.3	98.4	19,318	16,999	1,710	1,480
Farm supplies and repairs	98.2	97.8	24,627	27,567	2,180	2,400
Farm improvements and construction	64.3	61.9	17,058	22,398	1,510	1,950
Tractors and self-propelled farm machinery	23.1	24.3	16,832	19,641	1,490	1,710
Other farm machinery	29.2	30.7	10,619	12,175	940	1,060
Seeds and plants	81.9	84.6	29,259	29,289	2,590	2,550
Trucks and autos	20.8	19.8	7,343	7,351	650	640
Miscellaneous capital expenses	12.6	15.7	1,920	2,642	170	230
Total farm production expenditures	100.0	100.0	389,855	409,249	34,510	35,630

Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	38.6	43.0	44,807	53,444	3,210	3,740
Feed	48.2	49.6	85,148	70,163	6,100	4,910
Farm services	100.0	100.0	82,356	78,594	5,900	5,500
Rent	75.0	78.7	83,752	88,597	6,000	6,200
Agricultural chemicals	86.8	84.4	53,462	48,871	3,830	3,420
Fertilizer, lime, and soil conditioners	87.0	88.6	96,315	78,594	6,900	5,500
Interest	66.3	69.8	17,448	21,435	1,250	1,500
Taxes	100.0	100.0	27,080	25,865	1,940	1,810
Labor	61.4	60.2	59,604	50,014	4,270	3,500
Fuel	99.5	99.6	33,920	28,865	2,430	2,020
Farm supplies and repairs	98.3	97.9	41,736	41,298	2,990	2,890
Farm improvements and construction	69.4	68.6	25,265	22,292	1,810	1,560
Tractors and self-propelled farm machinery	32.2	28.1	36,711	32,581	2,630	2,280
Other farm machinery	34.7	32.1	16,611	16,290	1,190	1,140
Seeds and plants	83.2	82.5	60,441	53,873	4,330	3,770
Trucks and autos	25.6	24.8	9,492	10,003	680	700
Miscellaneous capital expenses	14.8	17.6	2,094	2,715	150	190
Total farm production expenditures	100.0	100.0	776,242	723,492	55,610	50,630

Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	47.4	48.3	175,413	182,421	12,100	17,600
Feed	51.9	52.0	403,015	346,186	27,800	33,400
Farm services	100.0	100.0	217,454	185,531	15,000	17,900
Rent	75.4	73.7	204,407	165,837	14,100	16,000
Agricultural chemicals	87.9	89.3	124,674	97,430	8,600	9,400
Fertilizer, lime, and soil conditioners	82.2	84.1	205,857	154,436	14,200	14,900
Interest	73.7	72.5	41,026	40,527	2,830	3,910
Taxes	100.0	99.9	51,174	41,978	3,530	4,050
Labor	77.4	75.0	184,111	152,363	12,700	14,700
Fuel	99.7	99.7	81,183	58,043	5,600	5,600
Farm supplies and repairs	99.0	99.2	89,881	74,627	6,200	7,200
Farm improvements and construction	74.0	74.9	72,485	49,129	5,000	4,740
Tractors and self-propelled farm machinery	39.7	34.5	98,579	72,554	6,800	7,000
Other farm machinery	35.3	34.6	40,736	32,857	2,810	3,170
Seeds and plants	79.7	80.5	147,869	112,977	10,200	10,900
Trucks and autos	29.6	26.6	15,367	12,852	1,060	1,240
Miscellaneous capital expenses	16.6	13.9	2,899	2,695	200	260
Total farm production expenditures	100.0	100.0	2,156,132	1,782,442	148,730	171,970

Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	48.9	41.0	2,691,066	2,341,772	25,000	29,600
Feed	59.9	52.3	4,316,469	2,587,025	40,100	32,700
Farm services	100.0	100.0	1,431,647	1,297,468	13,300	16,400
Rent	68.4	68.2	592,034	506,329	5,500	6,400
Agricultural chemicals	87.0	88.2	437,029	333,070	4,060	4,210
Fertilizer, lime, and soil conditioners	83.5	81.9	613,563	530,063	5,700	6,700
Interest	79.1	77.4	182,992	188,291	1,700	2,380
Taxes	100.0	100.0	190,527	139,241	1,770	1,760
Labor	93.4	91.9	1,937,567	1,859,177	18,000	23,500
Fuel	99.9	99.6	361,679	272,152	3,360	3,440
Farm supplies and repairs	99.4	99.1	484,392	458,861	4,500	5,800
Farm improvements and construction	83.3	82.6	399,354	311,709	3,710	3,940
Tractors and self-propelled farm machinery	44.3	41.5	229,279	178,006	2,130	2,250
Other farm machinery	29.7	37.1	88,267	93,354	820	1,180
Seeds and plants	81.4	82.1	520,990	545,886	4,840	6,900
Trucks and autos	33.1	33.6	37,675	27,690	350	350
Miscellaneous capital expenses	20.9	20.3	6,459	5,538	60	70
Total farm production expenditures	100.0	100.0	14,520,990	11,675,633	134,900	147,580

Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii]

Type of farm	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms	11,000	10,500	7,600	7,300	1,700	1,600	1,100	900	600	700
Livestock farms	6,500	6,000	3,800	3,600	1,270	1,200	1,030	900	400	300

Economic class	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000	970	880	520	480	300	300	90	80	60	20
\$10,000 - \$49,999	1,270	1,100	790	730	360	270	90	80	30	20
\$50,000 - \$99,999	810	780	510	510	200	170	70	60	30	40
\$100,000 - \$249,999	1,350	1,200	900	780	280	270	130	100	40	50
\$250,000 - \$499,999	1,710	1,480	1,230	1,030	270	250	170	150	40	50
\$500,000 - \$999,999	2,430	2,020	1,690	1,450	380	290	260	200	100	80
\$1,000,000 - \$4,999,999	5,600	5,600	3,690	3,710	740	760	820	830	350	300
\$5,000,000 and over	3,360	3,440	2,070	2,210	440	490	500	300	350	440

Region	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic	2,400	2,300	1,420	1,340	420	380	340	300	220	280
South	2,000	1,900	1,290	1,250	330	310	270	280	110	60
Midwest	5,500	5,100	3,650	3,380	720	700	880	800	250	220
Plains	4,000	3,700	2,740	2,660	700	650	330	220	230	170
West	3,600	3,500	2,300	2,270	800	760	310	200	190	270
United States	17,500	16,500	11,400	10,900	2,970	2,800	2,130	1,800	1,000	1,000

Farm Production Expenditures – Region, State, and United States: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Total farm production expenditures		Livestock, poultry, and related expenses			
	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic						
North Carolina	14,310	13,840	1,650	2,450	11.5	17.7
Other States	39,450	46,090	1,750	3,300	4.4	7.2
Total	53,760	59,930	3,400	5,750	6.3	9.6
South						
Arkansas	10,375	10,570	1,190	1,260	11.5	11.9
Florida	7,385	8,710	140	120	1.9	1.4
Georgia	10,170	10,890	1,580	2,040	15.5	18.7
Other States	19,340	19,860	1,990	2,170	10.3	10.9
Total	47,270	50,030	4,900	5,590	10.4	11.2
Midwest						
Illinois	22,875	23,120	510	970	2.2	4.2
Indiana	13,545	13,695	890	900	6.6	6.6
Iowa	35,210	37,900	4,760	5,000	13.5	13.2
Minnesota	21,860	25,035	1,430	1,860	6.5	7.4
Missouri	12,085	14,135	1,050	1,060	8.7	7.5
Wisconsin	14,575	14,610	440	740	3.0	5.1
Other States	24,440	22,715	1,620	1,230	6.6	5.4
Total	144,590	151,210	10,700	11,760	7.4	7.8
Plains						
Kansas	23,640	24,160	6,930	9,190	29.3	38.0
Nebraska	28,730	28,465	6,830	7,590	23.8	26.7
Texas	28,500	30,610	5,800	8,600	20.4	28.1
Other States	29,130	30,495	2,440	2,140	8.4	7.0
Total	110,000	113,730	22,000	27,520	20.0	24.2
West						
California	45,880	52,735	650	980	1.4	1.9
Washington	12,870	14,410	500	760	3.9	5.3
Other States	38,130	39,855	2,850	3,340	7.5	8.4
Total	96,880	107,000	4,000	5,080	4.1	4.7
United States	452,500	481,900	45,000	55,700	9.9	11.6

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Feed				Farm services			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	5,250	5,260	36.7	38.0	1,270	1,050	8.9	7.6
Other States	5,850	9,640	14.8	20.9	4,930	5,050	12.5	11.0
Total	11,100	14,900	20.6	24.9	6,200	6,100	11.5	10.2
South								
Arkansas	3,130	3,170	30.2	30.0	810	810	7.8	7.7
Florida	760	420	10.3	4.8	940	1,080	12.7	12.4
Georgia	3,000	3,310	29.5	30.4	1,000	1,110	9.8	10.2
Other States	5,910	5,800	30.6	29.2	1,850	2,100	9.6	10.6
Total	12,800	12,700	27.1	25.4	4,600	5,100	9.7	10.2
Midwest								
Illinois	740	1,130	3.2	4.9	1,800	1,840	7.9	8.0
Indiana	1,690	1,560	12.5	11.4	1,290	1,260	9.5	9.2
Iowa	7,320	8,040	20.8	21.2	2,770	3,240	7.9	8.5
Minnesota	3,570	4,480	16.3	17.9	1,950	2,240	8.9	8.9
Missouri	1,670	1,960	13.8	13.9	1,140	1,160	9.4	8.2
Wisconsin	3,270	2,950	22.4	20.2	1,650	1,980	11.3	13.6
Other States	4,440	2,880	18.2	12.7	2,400	2,680	9.8	11.8
Total	22,700	23,000	15.7	15.2	13,000	14,400	9.0	9.5
Plains								
Kansas	4,850	3,470	20.5	14.4	1,650	2,000	7.0	8.3
Nebraska	4,550	3,450	15.8	12.1	2,370	2,340	8.2	8.2
Texas	6,250	5,250	21.9	17.2	2,940	3,170	10.3	10.4
Other States	4,350	2,630	14.9	8.6	3,240	3,190	11.1	10.5
Total	20,000	14,800	18.2	13.0	10,200	10,700	9.3	9.4
West								
California	6,840	4,940	14.9	9.4	8,670	10,640	18.9	20.2
Washington	1,070	1,230	8.3	8.5	2,030	2,360	15.8	16.4
Other States	9,090	8,430	23.8	21.2	4,500	5,200	11.8	13.0
Total	17,000	14,600	17.5	13.6	15,200	18,200	15.7	17.0
United States	83,600	80,000	18.5	16.6	49,200	54,500	10.9	11.3

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Rent				Agricultural chemicals			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	280	300	2.0	2.2	480	410	3.4	3.0
Other States	1,520	1,700	3.9	3.7	1,320	1,290	3.3	2.8
Total	1,800	2,000	3.3	3.3	1,800	1,700	3.3	2.8
South								
Arkansas	690	930	6.7	8.8	730	700	7.0	6.6
Florida	140	210	1.9	2.4	390	460	5.3	5.3
Georgia	310	260	3.0	2.4	470	370	4.6	3.4
Other States	1,060	1,100	5.5	5.5	1,010	970	5.2	4.9
Total	2,200	2,500	4.7	5.0	2,600	2,500	5.5	5.0
Midwest								
Illinois	4,520	4,280	19.8	18.5	1,940	2,080	8.5	9.0
Indiana	1,740	1,600	12.8	11.7	980	880	7.2	6.4
Iowa	4,180	4,370	11.9	11.5	1,740	1,950	4.9	5.1
Minnesota	2,390	2,710	10.9	10.8	1,140	1,130	5.2	4.5
Missouri	1,100	1,550	9.1	11.0	700	800	5.8	5.7
Wisconsin	680	690	4.7	4.7	510	480	3.5	3.3
Other States	1,490	1,800	6.1	7.9	1,290	1,080	5.3	4.8
Total	16,100	17,000	11.1	11.2	8,300	8,400	5.7	5.6
Plains								
Kansas	1,340	1,320	5.7	5.5	1,090	990	4.6	4.1
Nebraska	2,950	2,740	10.3	9.6	1,190	1,300	4.1	4.6
Texas	1,080	1,110	3.8	3.6	550	570	1.9	1.9
Other States	2,630	3,330	9.0	10.9	1,770	1,940	6.1	6.4
Total	8,000	8,500	7.3	7.5	4,600	4,800	4.2	4.2
West								
California	2,020	2,270	4.4	4.3	2,240	2,290	4.9	4.3
Washington	590	730	4.6	5.1	770	620	6.0	4.3
Other States	1,490	1,800	3.9	4.5	1,090	1,290	2.9	3.2
Total	4,100	4,800	4.2	4.5	4,100	4,200	4.2	3.9
United States	32,200	34,800	7.1	7.2	21,400	21,600	4.7	4.5

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Fertilizer, lime, and soil conditioners				Interest			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	700	640	4.9	4.6	140	250	1.0	1.8
Other States	2,800	2,560	7.1	5.6	740	1,150	1.9	2.5
Total	3,500	3,200	6.5	5.3	880	1,400	1.6	2.3
South								
Arkansas	610	630	5.9	6.0	150	185	1.4	1.8
Florida	570	580	7.7	6.7	110	150	1.5	1.7
Georgia	640	490	6.3	4.5	150	155	1.5	1.4
Other States	1,580	1,200	8.2	6.0	210	310	1.1	1.6
Total	3,400	2,900	7.2	5.8	620	800	1.3	1.6
Midwest								
Illinois	3,400	3,090	14.9	13.4	450	580	2.0	2.5
Indiana	1,860	1,700	13.7	12.4	310	420	2.3	3.1
Iowa	3,450	3,280	9.8	8.7	710	900	2.0	2.4
Minnesota	2,450	2,300	11.2	9.2	510	800	2.3	3.2
Missouri	1,500	1,520	12.4	10.8	330	450	2.7	3.2
Wisconsin	1,280	1,110	8.8	7.6	420	470	2.9	3.2
Other States	2,260	2,000	9.2	8.8	470	580	1.9	2.6
Total	16,200	15,000	11.2	9.9	3,200	4,200	2.2	2.8
Plains								
Kansas	1,650	1,600	7.0	6.6	340	360	1.4	1.5
Nebraska	2,270	2,230	7.9	7.8	420	540	1.5	1.9
Texas	1,250	1,370	4.4	4.5	550	580	1.9	1.9
Other States	2,930	3,500	10.1	11.5	690	920	2.4	3.0
Total	8,100	8,700	7.4	7.6	2,000	2,400	1.8	2.1
West								
California	2,360	3,160	5.1	6.0	1,060	1,340	2.3	2.5
Washington	910	670	7.1	4.6	270	240	2.1	1.7
Other States	2,130	2,170	5.6	5.4	970	1,220	2.5	3.1
Total	5,400	6,000	5.6	5.6	2,300	2,800	2.4	2.6
United States	36,600	35,800	8.1	7.4	9,000	11,600	2.0	2.4

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Taxes				Labor			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	340	280	2.4	2.0	1,650	1,010	11.5	7.3
Other States	1,960	1,720	5.0	3.7	4,950	5,390	12.5	11.7
Total	2,300	2,000	4.3	3.3	6,600	6,400	12.3	10.7
South								
Arkansas	220	185	2.1	1.8	350	380	3.4	3.6
Florida	205	210	2.8	2.4	1,880	2,810	25.5	32.3
Georgia	230	200	2.3	1.8	560	780	5.5	7.2
Other States	425	405	2.2	2.0	710	1,430	3.7	7.2
Total	1,080	1,000	2.3	2.0	3,500	5,400	7.4	10.8
Midwest								
Illinois	860	980	3.8	4.2	1,050	560	4.6	2.4
Indiana	510	480	3.8	3.5	570	750	4.2	5.5
Iowa	1,050	1,050	3.0	2.8	960	1,090	2.7	2.9
Minnesota	760	830	3.5	3.3	930	940	4.3	3.8
Missouri	340	510	2.8	3.6	270	490	2.2	3.5
Wisconsin	490	440	3.4	3.0	1,230	1,290	8.4	8.8
Other States	930	910	3.8	4.0	2,390	1,580	9.8	7.0
Total	4,940	5,200	3.4	3.4	7,400	6,700	5.1	4.4
Plains								
Kansas	520	560	2.2	2.3	600	570	2.5	2.4
Nebraska	1,290	1,340	4.5	4.7	850	840	3.0	3.0
Texas	1,300	1,180	4.6	3.9	1,460	1,640	5.1	5.4
Other States	1,120	1,220	3.8	4.0	1,190	1,150	4.1	3.8
Total	4,230	4,300	3.8	3.8	4,100	4,200	3.7	3.7
West								
California	1,680	1,910	3.7	3.6	12,310	15,950	26.8	30.2
Washington	320	270	2.5	1.9	3,440	4,640	26.7	32.2
Other States	1,150	1,320	3.0	3.3	4,750	5,210	12.5	13.1
Total	3,150	3,500	3.3	3.3	20,500	25,800	21.2	24.1
United States	15,700	16,000	3.5	3.3	42,100	48,500	9.3	10.1

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Fuel				Farm supplies and repairs			
	2022 (million dollars)	2023 (million dollars)	2022 (percent of total)	2023 (percent of total)	2022 (million dollars)	2023 (million dollars)	2022 (percent of total)	2023 (percent of total)
Atlantic								
North Carolina	490	360	3.4	2.6	510	380	3.6	2.7
Other States	1,910	1,940	4.8	4.2	2,670	3,220	6.8	7.0
Total	2,400	2,300	4.5	3.8	3,180	3,600	5.9	6.0
South								
Arkansas	490	450	4.7	4.3	470	410	4.5	3.9
Florida	300	290	4.1	3.3	490	490	6.6	5.6
Georgia	390	330	3.8	3.0	350	400	3.4	3.7
Other States	820	830	4.2	4.2	740	1,100	3.8	5.5
Total	2,000	1,900	4.2	3.8	2,050	2,400	4.3	4.8
Midwest								
Illinois	880	810	3.8	3.5	980	1,070	4.3	4.6
Indiana	530	500	3.9	3.7	680	660	5.0	4.8
Iowa	1,050	920	3.0	2.4	1,400	1,370	4.0	3.6
Minnesota	940	880	4.3	3.5	1,120	1,270	5.1	5.1
Missouri	530	590	4.4	4.2	670	760	5.5	5.4
Wisconsin	530	500	3.6	3.4	970	980	6.7	6.7
Other States	1,040	900	4.3	4.0	1,300	1,390	5.3	6.1
Total	5,500	5,100	3.8	3.4	7,120	7,500	4.9	5.0
Plains								
Kansas	680	580	2.9	2.4	780	820	3.3	3.4
Nebraska	850	820	3.0	2.9	1,010	1,140	3.5	4.0
Texas	1,170	1,040	4.1	3.4	1,300	1,150	4.6	3.8
Other States	1,300	1,260	4.5	4.1	1,560	1,890	5.4	6.2
Total	4,000	3,700	3.6	3.3	4,650	5,000	4.2	4.4
West								
California	1,500	1,480	3.3	2.8	1,970	2,660	4.3	5.0
Washington	450	400	3.5	2.8	650	710	5.1	4.9
Other States	1,650	1,620	4.3	4.1	2,280	2,230	6.0	5.6
Total	3,600	3,500	3.7	3.3	4,900	5,600	5.1	5.2
United States	17,500	16,500	3.9	3.4	21,900	24,100	4.8	5.0

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Farm improvements and construction				Tractors and self-propelled farm machinery			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	360	310	2.5	2.2	360	310	2.5	2.2
Other States	2,340	2,490	5.9	5.4	1,940	1,990	4.9	4.3
Total	2,700	2,800	5.0	4.7	2,300	2,300	4.3	3.8
South								
Arkansas	165	220	1.6	2.1	490	330	4.7	3.1
Florida	380	475	5.1	5.5	260	360	3.5	4.1
Georgia	270	415	2.7	3.8	550	390	5.4	3.6
Other States	485	490	2.5	2.5	1,000	520	5.2	2.6
Total	1,300	1,600	2.8	3.2	2,300	1,600	4.9	3.2
Midwest								
Illinois	990	860	4.3	3.7	1,460	1,450	6.4	6.3
Indiana	480	560	3.5	4.1	520	750	3.8	5.5
Iowa	1,130	1,260	3.2	3.3	1,110	1,680	3.2	4.4
Minnesota	880	1,100	4.0	4.4	1,220	1,440	5.6	5.8
Missouri	600	820	5.0	5.8	820	880	6.8	6.2
Wisconsin	970	870	6.7	6.0	680	700	4.7	4.8
Other States	1,050	1,230	4.3	5.4	1,090	1,400	4.5	6.2
Total	6,100	6,700	4.2	4.4	6,900	8,300	4.8	5.5
Plains								
Kansas	1,130	540	4.8	2.2	630	670	2.7	2.8
Nebraska	980	640	3.4	2.2	1,110	1,140	3.9	4.0
Texas	1,240	1,620	4.4	5.3	1,700	1,360	6.0	4.4
Other States	1,050	1,700	3.6	5.6	1,360	1,930	4.7	6.3
Total	4,400	4,500	4.0	4.0	4,800	5,100	4.4	4.5
West								
California	1,780	1,760	3.9	3.3	730	370	1.6	0.7
Washington	820	710	6.4	4.9	310	200	2.4	1.4
Other States	2,100	2,130	5.5	5.3	1,360	1,030	3.6	2.6
Total	4,700	4,600	4.9	4.3	2,400	1,600	2.5	1.5
United States	19,200	20,200	4.2	4.2	18,700	18,900	4.1	3.9

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Other farm machinery				Seeds and plants			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	80	70	0.6	0.5	630	590	4.4	4.3
Other States	770	1,210	2.0	2.6	2,960	2,540	7.5	5.5
Total	850	1,280	1.6	2.1	3,590	3,130	6.7	5.2
South								
Arkansas	120	80	1.2	0.8	560	670	5.4	6.3
Florida	50	110	0.7	1.3	600	720	8.1	8.3
Georgia	50	70	0.5	0.6	410	420	4.0	3.9
Other States	120	160	0.6	0.8	900	920	4.7	4.6
Total	340	420	0.7	0.8	2,470	2,730	5.2	5.5
Midwest								
Illinois	760	660	3.3	2.9	2,150	2,420	9.4	10.5
Indiana	300	380	2.2	2.8	1,050	1,120	7.8	8.2
Iowa	780	780	2.2	2.1	2,380	2,380	6.8	6.3
Minnesota	590	850	2.7	3.4	1,670	1,950	7.6	7.8
Missouri	340	360	2.8	2.5	830	930	6.9	6.6
Wisconsin	500	320	3.4	2.2	770	830	5.3	5.7
Other States	610	720	2.5	3.2	1,750	1,870	7.2	8.2
Total	3,880	4,070	2.7	2.7	10,600	11,500	7.3	7.6
Plains								
Kansas	310	375	1.3	1.6	950	870	4.0	3.6
Nebraska	370	430	1.3	1.5	1,410	1,550	4.9	5.4
Texas	380	365	1.3	1.2	800	770	2.8	2.5
Other States	790	550	2.7	1.8	2,050	2,460	7.0	8.1
Total	1,850	1,720	1.7	1.5	5,210	5,650	4.7	5.0
West								
California	200	160	0.4	0.3	1,510	2,460	3.3	4.7
Washington	170	330	1.3	2.3	440	430	3.4	3.0
Other States	610	620	1.6	1.6	1,180	1,400	3.1	3.5
Total	980	1,110	1.0	1.0	3,130	4,290	3.2	4.0
United States	7,900	8,600	1.7	1.8	25,000	27,300	5.5	5.7

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Farm Production Expenditures – Region, State, and United States: 2022 and 2023 (continued)

[For definitions of terms used in this table, see Terms and Definitions. Excluding Alaska and Hawaii. Totals may not add due to rounding]

Region and state	Trucks and autos				Miscellaneous capital expenses			
	2022	2023	2022	2023	2022	2023	2022	2023
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	90	140	0.6	1.0	30	30	0.2	0.2
Other States	830	690	2.1	1.5	210	210	0.5	0.5
Total	920	830	1.7	1.4	240	240	0.4	0.4
South								
Arkansas	160	120	1.5	1.1	40	40	0.4	0.4
Florida	130	175	1.8	2.0	40	50	0.5	0.6
Georgia	170	90	1.7	0.8	40	60	0.4	0.6
Other States	420	235	2.2	1.2	110	120	0.6	0.6
Total	880	620	1.9	1.2	230	270	0.5	0.5
Midwest								
Illinois	305	265	1.3	1.1	80	75	0.3	0.3
Indiana	90	135	0.7	1.0	55	40	0.4	0.3
Iowa	340	430	1.0	1.1	80	160	0.2	0.4
Minnesota	245	185	1.1	0.7	65	70	0.3	0.3
Missouri	130	225	1.1	1.6	65	70	0.5	0.5
Wisconsin	130	185	0.9	1.3	55	75	0.4	0.5
Other States	240	335	1.0	1.5	70	130	0.3	0.6
Total	1,480	1,760	1.0	1.2	470	620	0.3	0.4
Plains								
Kansas	150	190	0.6	0.8	40	55	0.2	0.2
Nebraska	230	290	0.8	1.0	50	85	0.2	0.3
Texas	550	510	1.9	1.7	180	325	0.6	1.1
Other States	530	530	1.8	1.7	130	155	0.4	0.5
Total	1,460	1,520	1.3	1.3	400	620	0.4	0.5
West								
California	280	270	0.6	0.5	80	95	0.2	0.2
Washington	110	80	0.9	0.6	20	30	0.2	0.2
Other States	770	620	2.0	1.6	160	225	0.4	0.6
Total	1,160	970	1.2	0.9	260	350	0.3	0.3
United States	5,900	5,700	1.3	1.2	1,600	2,100	0.4	0.4

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.8	25.2	8,608	15,443	3,400	5,750
Feed	57.9	65.9	28,101	40,018	11,100	14,900
Farm services	86.9	88.3	15,696	16,383	6,200	6,100
Rent	17.0	23.2	4,557	5,372	1,800	2,000
Agricultural chemicals	32.0	37.8	4,557	4,566	1,800	1,700
Fertilizer, lime, and soil conditioners	40.6	39.6	8,861	8,595	3,500	3,200
Interest	23.5	22.2	2,228	3,760	880	1,400
Taxes	99.9	100.0	5,823	5,372	2,300	2,000
Labor	17.2	23.7	16,709	17,189	6,600	6,400
Fuel	83.8	84.9	6,076	6,177	2,400	2,300
Farm supplies and repairs	79.2	85.2	8,051	9,669	3,180	3,600
Farm improvements and construction	50.7	57.1	6,835	7,520	2,700	2,800
Tractors and self-propelled farm machinery	11.9	10.4	5,823	6,177	2,300	2,300
Other farm machinery	14.3	14.8	2,152	3,438	850	1,280
Seeds and plants	33.7	33.0	9,089	8,407	3,590	3,130
Trucks and autos	9.8	10.3	2,329	2,229	920	830
Miscellaneous capital expenses	7.9	10.9	608	645	240	240
Total farm production expenditures	100.0	100.0	136,101	160,959	53,760	59,930

Farm Production Expenditures Total by Year – Atlantic Region: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions]

Expenditure	2019	2020	2021	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,660	4,100	3,780	3,400	5,750
Feed	9,310	9,640	10,090	11,100	14,900
Farm services	4,970	5,240	4,710	6,200	6,100
Rent	1,430	1,920	1,630	1,800	2,000
Agricultural chemicals	1,230	1,390	1,450	1,800	1,700
Fertilizer, lime, and soil conditioners	2,150	2,440	2,820	3,500	3,200
Interest	1,190	1,100	830	880	1,400
Taxes	1,820	2,300	2,000	2,300	2,000
Labor	3,630	3,920	3,870	6,600	6,400
Fuel	1,550	1,420	1,630	2,400	2,300
Farm supplies and repairs	2,420	2,780	2,750	3,180	3,600
Farm improvements and construction	2,320	2,260	2,170	2,700	2,800
Tractors and self-propelled farm machinery	1,860	1,560	1,710	2,300	2,300
Other farm machinery	830	880	740	850	1,280
Seeds and plants	2,030	2,570	2,020	3,590	3,130
Trucks and autos	630	610	630	920	830
Miscellaneous capital expenses	95	60	90	240	240
Total farm production expenditures	42,125	44,190	42,920	53,760	59,930

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.5	26.7	36,667	57,176	1,650	2,450
Feed	56.6	59.8	116,667	122,754	5,250	5,260
Farm services	86.8	91.1	28,222	24,504	1,270	1,050
Rent	25.5	25.5	6,222	7,001	280	300
Agricultural chemicals	44.1	45.5	10,667	9,568	480	410
Fertilizer, lime, and soil conditioners	59.2	59.6	15,556	14,936	700	640
Interest	21.3	24.1	3,111	5,834	140	250
Taxes	100.0	100.0	7,556	6,534	340	280
Labor	25.4	28.2	36,667	23,571	1,650	1,010
Fuel	86.2	84.4	10,889	8,401	490	360
Farm supplies and repairs	81.9	80.3	11,333	8,868	510	380
Farm improvements and construction	48.9	45.1	8,000	7,235	360	310
Tractors and self-propelled farm machinery	15.1	12.4	8,000	7,235	360	310
Other farm machinery	10.2	11.8	1,778	1,634	80	70
Seeds and plants	36.4	34.7	14,000	13,769	630	590
Trucks and autos	7.1	8.0	2,000	3,267	90	140
Miscellaneous capital expenses	4.6	6.1	667	700	30	30
Total farm production expenditures	100.0	100.0	318,000	322,987	14,310	13,840

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.8	25.0	5,000	10,016	1,750	3,300
Feed	58.1	66.7	16,714	29,258	5,850	9,640
Farm services	86.9	87.9	14,086	15,327	4,930	5,050
Rent	15.9	22.9	4,343	5,160	1,520	1,700
Agricultural chemicals	30.5	36.8	3,771	3,915	1,320	1,290
Fertilizer, lime, and soil conditioners	38.2	37.1	8,000	7,770	2,800	2,560
Interest	23.7	22.0	2,114	3,490	740	1,150
Taxes	99.9	100.0	5,600	5,220	1,960	1,720
Labor	16.1	23.1	14,143	16,359	4,950	5,390
Fuel	83.5	85.0	5,457	5,888	1,910	1,940
Farm supplies and repairs	78.8	85.9	7,629	9,773	2,670	3,220
Farm improvements and construction	50.9	58.7	6,686	7,557	2,340	2,490
Tractors and self-propelled farm machinery	11.5	10.1	5,543	6,040	1,940	1,990
Other farm machinery	14.9	15.2	2,200	3,672	770	1,210
Seeds and plants	33.4	32.8	8,457	7,709	2,960	2,540
Trucks and autos	10.1	10.6	2,371	2,094	830	690
Miscellaneous capital expenses	8.3	11.5	600	637	210	210
Total farm production expenditures	100.0	100.0	112,714	139,887	39,450	46,090

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.8	24.4	19,238	23,557	4,900	5,590
Feed	62.1	66.3	50,255	53,519	12,800	12,700
Farm services	89.2	88.2	18,060	21,492	4,600	5,100
Rent	21.4	20.2	8,638	10,535	2,200	2,500
Agricultural chemicals	35.1	39.8	10,208	10,535	2,600	2,500
Fertilizer, lime, and soil conditioners	43.0	47.8	13,349	12,221	3,400	2,900
Interest	19.2	19.8	2,434	3,371	620	800
Taxes	100.0	99.2	4,240	4,214	1,080	1,000
Labor	22.5	29.9	13,742	22,756	3,500	5,400
Fuel	80.3	86.9	7,852	8,007	2,000	1,900
Farm supplies and repairs	80.7	75.3	8,049	10,114	2,050	2,400
Farm improvements and construction	43.5	42.2	5,104	6,743	1,300	1,600
Tractors and self-propelled farm machinery	13.3	13.2	9,030	6,743	2,300	1,600
Other farm machinery	7.5	9.2	1,335	1,770	340	420
Seeds and plants	30.0	31.5	9,698	11,504	2,470	2,730
Trucks and autos	10.0	9.1	3,455	2,613	880	620
Miscellaneous capital expenses	8.3	8.4	903	1,138	230	270
Total farm production expenditures	100.0	100.0	185,591	210,830	47,270	50,030

Farm Production Expenditures Total by Year – South Region: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions]

Expenditure	2019	2020	2021	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,780	4,340	3,770	4,900	5,590
Feed	8,360	8,300	8,870	12,800	12,700
Farm services	4,390	4,920	4,190	4,600	5,100
Rent	1,900	1,930	2,000	2,200	2,500
Agricultural chemicals	1,850	1,770	2,030	2,600	2,500
Fertilizer, lime, and soil conditioners	2,150	2,200	2,370	3,400	2,900
Interest	900	690	540	620	800
Taxes	900	870	1,030	1,080	1,000
Labor	3,130	3,410	4,410	3,500	5,400
Fuel	1,450	1,300	1,510	2,000	1,900
Farm supplies and repairs	1,710	2,050	2,150	2,050	2,400
Farm improvements and construction	1,330	1,170	1,230	1,300	1,600
Tractors and self-propelled farm machinery	1,500	1,330	1,630	2,300	1,600
Other farm machinery	490	360	370	340	420
Seeds and plants	2,230	2,500	2,340	2,470	2,730
Trucks and autos	610	550	620	880	620
Miscellaneous capital expenses	85	100	155	230	270
Total farm production expenditures	36,765	37,790	39,215	47,270	50,030

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.9	30.9	28,401	33,466	1,190	1,260
Feed	68.6	66.1	74,702	84,197	3,130	3,170
Farm services	87.5	88.5	19,332	21,514	810	810
Rent	27.2	23.3	16,468	24,701	690	930
Agricultural chemicals	34.5	35.6	17,422	18,592	730	700
Fertilizer, lime, and soil conditioners	40.2	48.4	14,558	16,733	610	630
Interest	25.6	21.6	3,580	4,914	150	185
Taxes	100.0	99.1	5,251	4,914	220	185
Labor	24.3	23.3	8,353	10,093	350	380
Fuel	86.3	83.2	11,695	11,952	490	450
Farm supplies and repairs	80.3	75.9	11,217	10,890	470	410
Farm improvements and construction	42.9	42.5	3,938	5,843	165	220
Tractors and self-propelled farm machinery	16.0	13.4	11,695	8,765	490	330
Other farm machinery	11.0	8.2	2,864	2,125	120	80
Seeds and plants	20.9	20.9	13,365	17,795	560	670
Trucks and autos	12.8	11.5	3,819	3,187	160	120
Miscellaneous capital expenses	11.1	6.3	955	1,062	40	40
Total farm production expenditures	100.0	100.0	247,613	280,744	10,375	10,570

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	16.5	17.8	2,960	2,694	140	120
Feed	68.2	67.9	16,068	9,428	760	420
Farm services	90.2	85.0	19,873	24,242	940	1,080
Rent	11.9	18.6	2,960	4,714	140	210
Agricultural chemicals	28.7	45.4	8,245	10,325	390	460
Fertilizer, lime, and soil conditioners	37.3	49.3	12,051	13,019	570	580
Interest	15.8	16.3	2,326	3,367	110	150
Taxes	100.0	100.0	4,334	4,714	205	210
Labor	23.9	30.6	39,746	63,075	1,880	2,810
Fuel	81.6	80.2	6,342	6,510	300	290
Farm supplies and repairs	78.3	79.5	10,359	10,999	490	490
Farm improvements and construction	49.4	51.6	8,034	10,662	380	475
Tractors and self-propelled farm machinery	15.3	19.9	5,497	8,081	260	360
Other farm machinery	6.2	10.2	1,057	2,469	50	110
Seeds and plants	27.8	26.6	12,685	16,162	600	720
Trucks and autos	8.2	11.8	2,748	3,928	130	175
Miscellaneous capital expenses	7.9	9.8	846	1,122	40	50
Total farm production expenditures	100.0	100.0	156,131	195,511	7,385	8,710

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	20.5	38.1	38,257	52,308	1,580	2,040
Feed	50.6	65.5	72,639	84,872	3,000	3,310
Farm services	91.4	92.8	24,213	28,462	1,000	1,110
Rent	27.6	21.8	7,506	6,667	310	260
Agricultural chemicals	37.1	44.1	11,380	9,487	470	370
Fertilizer, lime, and soil conditioners	52.0	53.1	15,496	12,564	640	490
Interest	19.2	20.4	3,632	3,974	150	155
Taxes	100.0	100.0	5,569	5,128	230	200
Labor	26.8	29.6	13,559	20,000	560	780
Fuel	83.1	91.6	9,443	8,462	390	330
Farm supplies and repairs	80.3	86.2	8,475	10,256	350	400
Farm improvements and construction	43.7	39.1	6,538	10,641	270	415
Tractors and self-propelled farm machinery	13.0	18.3	13,317	10,000	550	390
Other farm machinery	8.9	12.1	1,211	1,795	50	70
Seeds and plants	32.0	34.9	9,927	10,769	410	420
Trucks and autos	10.7	9.5	4,116	2,308	170	90
Miscellaneous capital expenses	9.8	15.1	969	1,538	40	60
Total farm production expenditures	100.0	100.0	246,247	279,231	10,170	10,890

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.0	20.2	16,023	18,691	1,990	2,170
Feed	61.4	66.1	47,585	49,957	5,910	5,800
Farm services	88.6	87.7	14,895	18,088	1,850	2,100
Rent	21.0	19.2	8,535	9,475	1,060	1,100
Agricultural chemicals	37.1	37.5	8,132	8,355	1,010	970
Fertilizer, lime, and soil conditioners	43.2	45.2	12,721	10,336	1,580	1,200
Interest	18.3	20.4	1,691	2,670	210	310
Taxes	99.9	98.7	3,422	3,488	425	405
Labor	19.9	31.9	5,717	12,317	710	1,430
Fuel	76.8	89.2	6,602	7,149	820	830
Farm supplies and repairs	81.9	69.9	5,958	9,475	740	1,100
Farm improvements and construction	41.4	39.5	3,905	4,220	485	490
Tractors and self-propelled farm machinery	11.7	8.9	8,052	4,479	1,000	520
Other farm machinery	6.3	8.2	966	1,378	120	160
Seeds and plants	33.2	35.6	7,246	7,924	900	920
Trucks and autos	9.6	7.1	3,382	2,024	420	235
Miscellaneous capital expenses	7.1	6.3	886	1,034	110	120
Total farm production expenditures	100.0	100.0	155,717	171,059	19,340	19,860

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.2	22.0	19,196	21,689	10,700	11,760
Feed	44.7	42.3	40,725	42,419	22,700	23,000
Farm services	86.2	91.6	23,323	26,558	13,000	14,400
Rent	31.0	34.2	28,884	31,353	16,100	17,000
Agricultural chemicals	47.3	52.5	14,891	15,492	8,300	8,400
Fertilizer, lime, and soil conditioners	53.3	58.8	29,064	27,665	16,200	15,000
Interest	32.0	35.9	5,741	7,746	3,200	4,200
Taxes	100.0	100.0	8,863	9,590	4,940	5,200
Labor	18.1	19.5	13,276	12,357	7,400	6,700
Fuel	82.4	83.9	9,867	9,406	5,500	5,100
Farm supplies and repairs	79.3	82.9	12,774	13,832	7,120	7,500
Farm improvements and construction	47.2	48.4	10,944	12,357	6,100	6,700
Tractors and self-propelled farm machinery	14.8	16.6	12,379	15,308	6,900	8,300
Other farm machinery	16.6	17.6	6,961	7,506	3,880	4,070
Seeds and plants	50.6	53.6	19,017	21,209	10,600	11,500
Trucks and autos	10.3	13.6	2,655	3,246	1,480	1,760
Miscellaneous capital expenses	7.2	8.8	843	1,143	470	620
Total farm production expenditures	100.0	100.0	259,401	278,877	144,590	151,210

Farm Production Expenditures Total by Year – Midwest Region: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions]

Expenditure	2019	2020	2021	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	10,270	9,380	10,210	10,700	11,760
Feed	18,500	16,890	19,530	22,700	23,000
Farm services	11,670	11,960	12,230	13,000	14,400
Rent	13,800	14,090	14,700	16,100	17,000
Agricultural chemicals	5,150	5,480	6,200	8,300	8,400
Fertilizer, lime, and soil conditioners	8,510	9,590	11,860	16,200	15,000
Interest	3,770	3,790	3,470	3,200	4,200
Taxes	4,300	4,580	4,880	4,940	5,200
Labor	5,860	5,530	5,660	7,400	6,700
Fuel	3,730	3,270	3,810	5,500	5,100
Farm supplies and repairs	5,440	5,980	6,110	7,120	7,500
Farm improvements and construction	4,400	4,440	4,270	6,100	6,700
Tractors and self-propelled farm machinery	3,930	4,560	7,370	6,900	8,300
Other farm machinery	1,980	2,280	3,170	3,880	4,070
Seeds and plants	9,010	9,550	9,590	10,600	11,500
Trucks and autos	1,000	1,250	1,560	1,480	1,760
Miscellaneous capital expenses	140	160	310	470	620
Total farm production expenditures	111,460	112,780	124,930	144,590	151,210

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	16.0	14.3	7,214	13,837	510	970
Feed	28.0	25.4	10,467	16,120	740	1,130
Farm services	82.4	88.3	25,460	26,248	1,800	1,840
Rent	34.2	39.2	63,932	61,056	4,520	4,280
Agricultural chemicals	54.7	66.4	27,440	29,672	1,940	2,080
Fertilizer, lime, and soil conditioners	59.8	72.2	48,091	44,080	3,400	3,090
Interest	31.8	37.4	6,365	8,274	450	580
Taxes	100.0	100.0	12,164	13,980	860	980
Labor	21.0	15.3	14,851	7,989	1,050	560
Fuel	76.9	88.1	12,447	11,555	880	810
Farm supplies and repairs	75.4	71.3	13,861	15,264	980	1,070
Farm improvements and construction	48.3	47.6	14,003	12,268	990	860
Tractors and self-propelled farm machinery	20.3	18.2	20,651	20,685	1,460	1,450
Other farm machinery	17.8	20.1	10,750	9,415	760	660
Seeds and plants	66.1	70.9	30,410	34,522	2,150	2,420
Trucks and autos	11.4	11.2	4,314	3,780	305	265
Miscellaneous capital expenses	7.8	8.4	1,132	1,070	80	75
Total farm production expenditures	100.0	100.0	323,550	329,815	22,875	23,120

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	33.1	30.2	16,241	16,886	890	900
Feed	56.4	49.4	30,839	29,268	1,690	1,560
Farm services	87.9	89.1	23,540	23,640	1,290	1,260
Rent	33.8	33.9	31,752	30,019	1,740	1,600
Agricultural chemicals	45.5	50.6	17,883	16,510	980	880
Fertilizer, lime, and soil conditioners	53.6	62.5	33,942	31,895	1,860	1,700
Interest	30.0	40.7	5,657	7,880	310	420
Taxes	100.0	100.0	9,307	9,006	510	480
Labor	16.4	19.1	10,401	14,071	570	750
Fuel	83.9	85.8	9,672	9,381	530	500
Farm supplies and repairs	89.0	87.0	12,409	12,383	680	660
Farm improvements and construction	47.8	51.1	8,759	10,507	480	560
Tractors and self-propelled farm machinery	10.6	17.8	9,489	14,071	520	750
Other farm machinery	10.0	17.9	5,474	7,129	300	380
Seeds and plants	49.1	51.1	19,161	21,013	1,050	1,120
Trucks and autos	10.0	11.5	1,642	2,533	90	135
Miscellaneous capital expenses	6.3	3.7	1,004	750	55	40
Total farm production expenditures	100.0	100.0	247,172	256,942	13,545	13,695

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.4	23.9	56,066	57,937	4,760	5,000
Feed	34.3	31.6	86,219	93,163	7,320	8,040
Farm services	86.8	96.1	32,627	37,543	2,770	3,240
Rent	39.5	42.2	49,234	50,637	4,180	4,370
Agricultural chemicals	59.3	61.9	20,495	22,596	1,740	1,950
Fertilizer, lime, and soil conditioners	59.4	60.1	40,636	38,007	3,450	3,280
Interest	43.2	43.2	8,363	10,429	710	900
Taxes	100.0	100.0	12,367	12,167	1,050	1,050
Labor	23.0	24.9	11,307	12,630	960	1,090
Fuel	76.9	78.5	12,367	10,660	1,050	920
Farm supplies and repairs	73.4	83.1	16,490	15,875	1,400	1,370
Farm improvements and construction	51.1	44.6	13,310	14,600	1,130	1,260
Tractors and self-propelled farm machinery	12.9	17.2	13,074	19,467	1,110	1,680
Other farm machinery	19.0	21.4	9,187	9,038	780	780
Seeds and plants	60.0	61.7	28,033	27,578	2,380	2,380
Trucks and autos	12.5	16.7	4,005	4,983	340	430
Miscellaneous capital expenses	9.1	11.3	942	1,854	80	160
Total farm production expenditures	100.0	100.0	414,723	439,166	35,210	37,900

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.7	21.1	21,311	28,711	1,430	1,860
Feed	35.3	35.6	53,204	69,153	3,570	4,480
Farm services	84.0	94.0	29,061	34,576	1,950	2,240
Rent	38.5	38.8	35,618	41,831	2,390	2,710
Agricultural chemicals	52.6	57.2	16,990	17,443	1,140	1,130
Fertilizer, lime, and soil conditioners	56.8	54.5	36,513	35,503	2,450	2,300
Interest	36.7	37.8	7,601	12,349	510	800
Taxes	100.0	100.0	11,326	12,812	760	830
Labor	17.2	23.3	13,860	14,510	930	940
Fuel	86.4	76.6	14,009	13,584	940	880
Farm supplies and repairs	78.7	81.0	16,692	19,604	1,120	1,270
Farm improvements and construction	47.0	54.3	13,115	16,980	880	1,100
Tractors and self-propelled farm machinery	15.1	16.8	18,182	22,228	1,220	1,440
Other farm machinery	20.2	20.9	8,793	13,121	590	850
Seeds and plants	57.1	54.7	24,888	30,100	1,670	1,950
Trucks and autos	13.8	12.2	3,651	2,856	245	185
Miscellaneous capital expenses	7.5	8.7	969	1,081	65	70
Total farm production expenditures	100.0	100.0	325,782	386,438	21,860	25,035

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	30.4	19.7	11,053	12,100	1,050	1,060
Feed	56.9	60.5	17,579	22,374	1,670	1,960
Farm services	87.3	93.1	12,000	13,242	1,140	1,160
Rent	21.2	32.0	11,579	17,694	1,100	1,550
Agricultural chemicals	36.1	45.9	7,368	9,132	700	800
Fertilizer, lime, and soil conditioners	51.1	57.7	15,789	17,352	1,500	1,520
Interest	30.8	33.8	3,474	5,137	330	450
Taxes	100.0	100.0	3,579	5,822	340	510
Labor	17.1	16.9	2,842	5,594	270	490
Fuel	88.9	82.2	5,579	6,735	530	590
Farm supplies and repairs	79.0	84.5	7,053	8,676	670	760
Farm improvements and construction	49.4	41.6	6,316	9,361	600	820
Tractors and self-propelled farm machinery	15.2	14.4	8,632	10,046	820	880
Other farm machinery	13.9	15.1	3,579	4,110	340	360
Seeds and plants	34.9	34.8	8,737	10,616	830	930
Trucks and autos	7.9	13.5	1,368	2,568	130	225
Miscellaneous capital expenses	7.8	6.6	684	799	65	70
Total farm production expenditures	100.0	100.0	127,211	161,358	12,085	14,135

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.9	24.3	6,864	12,660	440	740
Feed	50.7	49.8	51,014	50,470	3,270	2,950
Farm services	89.1	87.1	25,741	33,875	1,650	1,980
Rent	31.5	31.0	10,608	11,805	680	690
Agricultural chemicals	48.9	47.4	7,956	8,212	510	480
Fertilizer, lime, and soil conditioners	55.2	58.4	19,969	18,991	1,280	1,110
Interest	32.2	34.1	6,552	8,041	420	470
Taxes	100.0	100.0	7,644	7,528	490	440
Labor	17.6	21.0	19,189	22,070	1,230	1,290
Fuel	87.7	82.6	8,268	8,554	530	500
Farm supplies and repairs	84.1	88.2	15,133	16,766	970	980
Farm improvements and construction	48.8	57.4	15,133	14,885	970	870
Tractors and self-propelled farm machinery	15.4	17.0	10,608	11,976	680	700
Other farm machinery	19.8	18.4	7,800	5,475	500	320
Seeds and plants	55.4	55.4	12,012	14,200	770	830
Trucks and autos	11.4	15.5	2,028	3,165	130	185
Miscellaneous capital expenses	8.7	8.8	858	1,283	55	75
Total farm production expenditures	100.0	100.0	227,379	249,957	14,575	14,610

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.4	22.4	13,411	10,109	1,620	1,230
Feed	48.8	43.4	36,755	23,669	4,440	2,880
Farm services	86.1	91.3	19,868	22,026	2,400	2,680
Rent	25.0	26.4	12,334	14,793	1,490	1,800
Agricultural chemicals	40.6	43.6	10,679	8,876	1,290	1,080
Fertilizer, lime, and soil conditioners	43.6	52.0	18,709	16,437	2,260	2,000
Interest	23.3	29.0	3,891	4,767	470	580
Taxes	100.0	100.0	7,699	7,479	930	910
Labor	15.5	17.2	19,785	12,985	2,390	1,580
Fuel	78.8	90.1	8,609	7,397	1,040	900
Farm supplies and repairs	79.5	84.8	10,762	11,424	1,300	1,390
Farm improvements and construction	40.9	47.8	8,692	10,109	1,050	1,230
Tractors and self-propelled farm machinery	14.3	15.9	9,023	11,506	1,090	1,400
Other farm machinery	15.6	13.0	5,050	5,917	610	720
Seeds and plants	41.7	51.2	14,487	15,369	1,750	1,870
Trucks and autos	7.6	13.5	1,987	2,753	240	335
Miscellaneous capital expenses	4.7	11.1	579	1,068	70	130
Total farm production expenditures	100.0	100.0	202,318	186,684	24,440	22,715

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.6	22.5	45,786	60,268	22,000	27,520
Feed	66.0	67.1	41,623	32,412	20,000	14,800
Farm services	89.6	92.8	21,228	23,433	10,200	10,700
Rent	29.2	30.3	16,649	18,615	8,000	8,500
Agricultural chemicals	39.5	39.0	9,573	10,512	4,600	4,800
Fertilizer, lime, and soil conditioners	37.5	40.8	16,857	19,053	8,100	8,700
Interest	25.0	29.5	4,162	5,256	2,000	2,400
Taxes	100.0	99.9	8,803	9,417	4,230	4,300
Labor	22.4	24.4	8,533	9,198	4,100	4,200
Fuel	82.4	80.0	8,325	8,103	4,000	3,700
Farm supplies and repairs	78.2	75.7	9,677	10,950	4,650	5,000
Farm improvements and construction	43.7	46.0	9,157	9,855	4,400	4,500
Tractors and self-propelled farm machinery	13.0	15.3	9,990	11,169	4,800	5,100
Other farm machinery	11.4	9.8	3,850	3,767	1,850	1,720
Seeds and plants	29.1	30.7	10,843	12,373	5,210	5,650
Trucks and autos	11.1	12.0	3,039	3,329	1,460	1,520
Miscellaneous capital expenses	7.7	10.0	832	1,358	400	620
Total farm production expenditures	100.0	100.0	228,928	249,065	110,000	113,730

Farm Production Expenditures Total by Year – Plains Region: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions]

Expenditure	2019	2020	2021	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	20,010	17,060	21,410	22,000	27,520
Feed	12,250	10,990	14,280	20,000	14,800
Farm services	9,050	8,690	9,090	10,200	10,700
Rent	7,680	7,240	9,200	8,000	8,500
Agricultural chemicals	3,620	3,660	4,090	4,600	4,800
Fertilizer, lime, and soil conditioners	5,420	5,570	7,040	8,100	8,700
Interest	2,500	2,290	2,000	2,000	2,400
Taxes	3,950	3,790	3,910	4,230	4,300
Labor	4,060	3,650	4,260	4,100	4,200
Fuel	2,780	2,690	3,250	4,000	3,700
Farm supplies and repairs	3,790	3,930	4,600	4,650	5,000
Farm improvements and construction	2,500	2,590	2,780	4,400	4,500
Tractors and self-propelled farm machinery	2,940	4,490	4,610	4,800	5,100
Other farm machinery	1,160	1,720	1,780	1,850	1,720
Seeds and plants	4,700	5,000	5,080	5,210	5,650
Trucks and autos	1,370	1,720	1,440	1,460	1,520
Miscellaneous capital expenses	150	260	355	400	620
Total farm production expenditures	87,930	85,340	99,175	110,000	113,730

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.9	23.5	120,104	162,799	6,930	9,190
Feed	54.9	47.0	84,055	61,470	4,850	3,470
Farm services	81.2	85.9	28,596	35,430	1,650	2,000
Rent	43.0	42.5	23,224	23,384	1,340	1,320
Agricultural chemicals	51.6	52.1	18,891	17,538	1,090	990
Fertilizer, lime, and soil conditioners	55.0	54.4	28,596	28,344	1,650	1,600
Interest	33.7	32.1	5,893	6,377	340	360
Taxes	100.0	100.0	9,012	9,920	520	560
Labor	22.8	19.0	10,399	10,097	600	570
Fuel	71.2	76.5	11,785	10,275	680	580
Farm supplies and repairs	72.7	68.9	13,518	14,526	780	820
Farm improvements and construction	42.6	41.3	19,584	9,566	1,130	540
Tractors and self-propelled farm machinery	10.1	13.1	10,919	11,869	630	670
Other farm machinery	13.6	12.1	5,373	6,643	310	375
Seeds and plants	45.2	46.2	16,464	15,412	950	870
Trucks and autos	9.8	9.7	2,600	3,366	150	190
Miscellaneous capital expenses	6.4	9.0	693	974	40	55
Total farm production expenditures	100.0	100.0	409,705	427,989	23,640	24,160

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.6	27.3	154,176	168,667	6,830	7,590
Feed	47.0	37.9	102,709	76,667	4,550	3,450
Farm services	91.6	89.6	53,499	52,000	2,370	2,340
Rent	48.3	51.6	66,591	60,889	2,950	2,740
Agricultural chemicals	58.0	57.6	26,862	28,889	1,190	1,300
Fertilizer, lime, and soil conditioners	57.9	61.9	51,242	49,556	2,270	2,230
Interest	46.1	45.8	9,481	12,000	420	540
Taxes	100.0	100.0	29,120	29,778	1,290	1,340
Labor	27.3	25.4	19,187	18,667	850	840
Fuel	79.5	76.2	19,187	18,222	850	820
Farm supplies and repairs	79.7	76.1	22,799	25,333	1,010	1,140
Farm improvements and construction	49.2	44.0	22,122	14,222	980	640
Tractors and self-propelled farm machinery	17.6	17.5	25,056	25,333	1,110	1,140
Other farm machinery	16.6	17.1	8,352	9,556	370	430
Seeds and plants	61.0	62.9	31,828	34,444	1,410	1,550
Trucks and autos	17.7	17.8	5,192	6,444	230	290
Miscellaneous capital expenses	10.1	12.6	1,129	1,889	50	85
Total farm production expenditures	100.0	100.0	648,533	632,556	28,730	28,465

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.9	17.8	23,577	37,246	5,800	8,600
Feed	78.9	77.9	25,407	22,737	6,250	5,250
Farm services	93.1	95.3	11,951	13,729	2,940	3,170
Rent	17.9	20.6	4,390	4,807	1,080	1,110
Agricultural chemicals	32.2	29.1	2,236	2,469	550	570
Fertilizer, lime, and soil conditioners	30.3	32.3	5,081	5,933	1,250	1,370
Interest	15.5	15.8	2,236	2,512	550	580
Taxes	100.0	100.0	5,285	5,110	1,300	1,180
Labor	20.7	25.5	5,935	7,103	1,460	1,640
Fuel	84.9	85.6	4,756	4,504	1,170	1,040
Farm supplies and repairs	80.5	79.2	5,285	4,981	1,300	1,150
Farm improvements and construction	42.5	42.1	5,041	7,016	1,240	1,620
Tractors and self-propelled farm machinery	14.5	15.0	6,911	5,890	1,700	1,360
Other farm machinery	9.5	7.0	1,545	1,581	380	365
Seeds and plants	18.5	17.9	3,252	3,335	800	770
Trucks and autos	8.5	10.3	2,236	2,209	550	510
Miscellaneous capital expenses	8.1	10.3	732	1,408	180	325
Total farm production expenditures	100.0	100.0	115,854	132,568	28,500	30,610

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.9	28.9	18,415	17,219	2,440	2,140
Feed	53.2	66.8	32,830	21,162	4,350	2,630
Farm services	86.1	92.6	24,453	25,668	3,240	3,190
Rent	37.8	35.0	19,849	26,795	2,630	3,330
Agricultural chemicals	41.6	44.7	13,358	15,610	1,770	1,940
Fertilizer, lime, and soil conditioners	36.2	42.8	22,113	28,163	2,930	3,500
Interest	31.7	47.7	5,208	7,403	690	920
Taxes	100.0	99.6	8,453	9,817	1,120	1,220
Labor	23.5	24.3	8,981	9,253	1,190	1,150
Fuel	83.6	72.4	9,811	10,139	1,300	1,260
Farm supplies and repairs	75.9	72.2	11,774	15,208	1,560	1,890
Farm improvements and construction	44.5	56.2	7,925	13,679	1,050	1,700
Tractors and self-propelled farm machinery	9.8	16.0	10,264	15,530	1,360	1,930
Other farm machinery	12.4	11.3	5,962	4,426	790	550
Seeds and plants	31.1	35.9	15,472	19,794	2,050	2,460
Trucks and autos	14.2	14.0	4,000	4,265	530	530
Miscellaneous capital expenses	6.9	9.1	981	1,247	130	155
Total farm production expenditures	100.0	100.0	219,849	245,377	29,130	30,495

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.2	23.7	13,038	18,079	4,000	5,080
Feed	49.2	48.9	55,411	51,959	17,000	14,600
Farm services	94.4	90.5	49,544	64,771	15,200	18,200
Rent	19.4	26.7	13,364	17,082	4,100	4,800
Agricultural chemicals	36.1	38.8	13,364	14,947	4,100	4,200
Fertilizer, lime, and soil conditioners	38.3	41.5	17,601	21,353	5,400	6,000
Interest	23.5	23.3	7,497	9,965	2,300	2,800
Taxes	95.7	98.8	10,267	12,456	3,150	3,500
Labor	32.3	32.6	66,819	91,818	20,500	25,800
Fuel	79.2	79.5	11,734	12,456	3,600	3,500
Farm supplies and repairs	76.9	73.3	15,971	19,930	4,900	5,600
Farm improvements and construction	48.0	44.5	15,319	16,371	4,700	4,600
Tractors and self-propelled farm machinery	11.2	11.2	7,823	5,694	2,400	1,600
Other farm machinery	11.9	10.3	3,194	3,950	980	1,110
Seeds and plants	27.7	32.5	10,202	15,267	3,130	4,290
Trucks and autos	12.3	9.9	3,781	3,452	1,160	970
Miscellaneous capital expenses	8.5	7.5	847	1,246	260	350
Total farm production expenditures	100.0	100.0	315,776	380,796	96,880	107,000

Farm Production Expenditures Total by Year – West Region: 2019-2023

[For definitions of terms used in this table, see Terms and Definitions]

Expenditure	2019	2020	2021	2022	2023
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,080	4,720	3,230	4,000	5,080
Feed	10,980	10,980	12,430	17,000	14,600
Farm services	12,720	13,890	14,780	15,200	18,200
Rent	4,890	4,920	4,470	4,100	4,800
Agricultural chemicals	3,650	4,200	4,030	4,100	4,200
Fertilizer, lime, and soil conditioners	4,070	4,600	5,410	5,400	6,000
Interest	2,140	2,030	1,860	2,300	2,800
Taxes	2,430	2,560	2,880	3,150	3,500
Labor	18,120	20,190	18,600	20,500	25,800
Fuel	2,790	2,420	2,700	3,600	3,500
Farm supplies and repairs	4,240	4,660	4,590	4,900	5,600
Farm improvements and construction	2,950	3,940	4,050	4,700	4,600
Tractors and self-propelled farm machinery	1,670	1,760	2,280	2,400	1,600
Other farm machinery	640	760	940	980	1,110
Seeds and plants	3,230	3,380	3,270	3,130	4,290
Trucks and autos	820	970	950	1,160	970
Miscellaneous capital expenses	100	120	190	260	350
Total farm production expenditures	79,520	86,100	86,660	96,880	107,000

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	17.2	19.3	9,503	15,655	650	980
Feed	31.2	29.8	100,000	78,914	6,840	4,940
Farm services	98.3	95.3	126,754	169,968	8,670	10,640
Rent	19.2	20.8	29,532	36,262	2,020	2,270
Agricultural chemicals	50.8	57.5	32,749	36,581	2,240	2,290
Fertilizer, lime, and soil conditioners	55.3	66.0	34,503	50,479	2,360	3,160
Interest	25.7	23.9	15,497	21,406	1,060	1,340
Taxes	100.0	100.0	24,561	30,511	1,680	1,910
Labor	59.5	51.9	179,971	254,792	12,310	15,950
Fuel	84.6	81.5	21,930	23,642	1,500	1,480
Farm supplies and repairs	85.7	80.7	28,801	42,492	1,970	2,660
Farm improvements and construction	44.3	48.0	26,023	28,115	1,780	1,760
Tractors and self-propelled farm machinery	12.4	8.8	10,673	5,911	730	370
Other farm machinery	7.3	7.7	2,924	2,556	200	160
Seeds and plants	28.4	43.0	22,076	39,297	1,510	2,460
Trucks and autos	10.7	8.2	4,094	4,313	280	270
Miscellaneous capital expenses	8.1	6.8	1,170	1,518	80	95
Total farm production expenditures	100.0	100.0	670,760	842,412	45,880	52,735

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

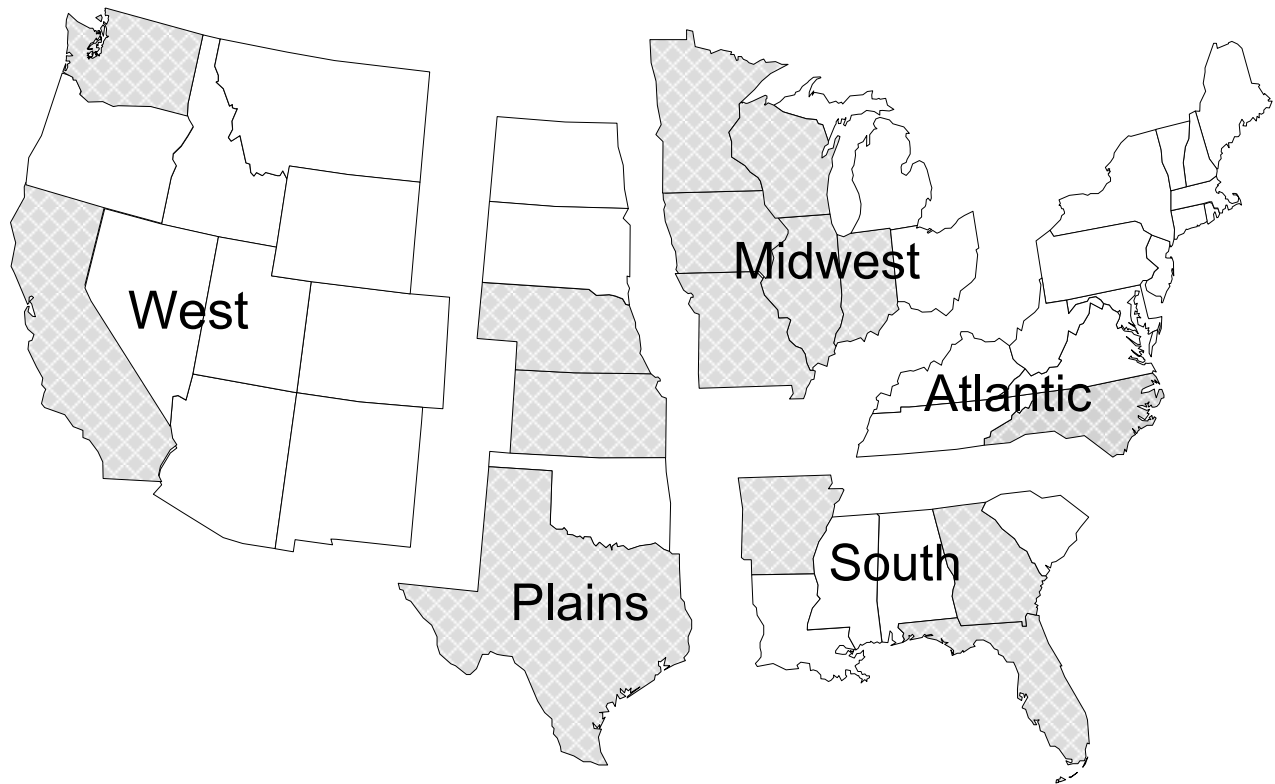
Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.7	23.2	14,205	23,639	500	760
Feed	48.3	45.0	30,398	38,258	1,070	1,230
Farm services	90.2	92.4	57,670	73,406	2,030	2,360
Rent	20.3	26.5	16,761	22,706	590	730
Agricultural chemicals	31.9	41.3	21,875	19,285	770	620
Fertilizer, lime, and soil conditioners	38.7	48.0	25,852	20,840	910	670
Interest	24.8	22.4	7,670	7,465	270	240
Taxes	100.0	100.0	9,091	8,398	320	270
Labor	32.6	31.8	97,727	144,323	3,440	4,640
Fuel	76.4	83.6	12,784	12,442	450	400
Farm supplies and repairs	76.5	82.8	18,466	22,084	650	710
Farm improvements and construction	50.3	49.4	23,295	22,084	820	710
Tractors and self-propelled farm machinery	13.8	11.3	8,807	6,221	310	200
Other farm machinery	9.2	11.5	4,830	10,264	170	330
Seeds and plants	30.1	37.7	12,500	13,375	440	430
Trucks and autos	7.4	7.7	3,125	2,488	110	80
Miscellaneous capital expenses	6.7	6.6	568	933	20	30
Total farm production expenditures	100.0	100.0	365,625	448,212	12,870	14,410

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2022 and 2023

[For definitions of terms used in this table, see Terms and Definitions. Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2022	2023	2022	2023	2022	2023
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.1	25.3	14,026	17,934	2,850	3,340
Feed	55.4	56.0	44,734	45,264	9,090	8,430
Farm services	93.8	88.5	22,146	27,921	4,500	5,200
Rent	19.3	28.6	7,333	9,665	1,490	1,800
Agricultural chemicals	31.9	32.1	5,364	6,927	1,090	1,290
Fertilizer, lime, and soil conditioners	32.5	32.1	10,482	11,652	2,130	2,170
Interest	22.5	23.3	4,774	6,551	970	1,220
Taxes	93.5	98.3	5,659	7,088	1,150	1,320
Labor	23.1	26.2	23,376	27,975	4,750	5,210
Fuel	77.9	78.1	8,120	8,698	1,650	1,620
Farm supplies and repairs	74.0	69.2	11,220	11,974	2,280	2,230
Farm improvements and construction	48.8	42.5	10,335	11,437	2,100	2,130
Tractors and self-propelled farm machinery	10.4	11.9	6,693	5,530	1,360	1,030
Other farm machinery	13.9	11.0	3,002	3,329	610	620
Seeds and plants	27.1	28.1	5,807	7,517	1,180	1,400
Trucks and autos	13.7	10.8	3,789	3,329	770	620
Miscellaneous capital expenses	9.0	8.0	787	1,208	160	225
Total farm production expenditures	100.0	100.0	187,648	213,998	38,130	39,855

Farm Production Expenditure Regions



Atlantic: Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina¹, Pennsylvania, Rhode Island, Tennessee, Vermont, Virginia, West Virginia

South: Alabama, Arkansas¹, Florida¹, Georgia¹, Louisiana, Mississippi, South Carolina

Midwest: Illinois¹, Indiana¹, Iowa¹, Michigan, Minnesota¹, Missouri¹, Ohio, Wisconsin¹

Plains: Kansas¹, Nebraska¹, North Dakota, Oklahoma, South Dakota, Texas¹

West: Arizona, California¹, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington¹, Wyoming

¹ Estimate State (shaded on map)

Program History

The National Agricultural Statistics Service (NASS) has conducted periodic surveys of farm production expenditures since 1956, and annually since 1971. In 1973, Congress required USDA to provide cost of production estimates on an annual basis for wheat, feed grains, cotton, and dairy. Since then, other commodities were added to the cost of production program. In 1985, the Farm Production Expenditure Survey and the Cost of Production Survey were combined and called the Farm Costs and Returns Survey (FCRS). In 1996, the Agricultural Resource Management Survey (ARMS) replaced the former Cropping Practices Survey (CPS) and the FCRS, which improved the efficiency of data collection. The initiative to combine these surveys came from a growing need for more data to perform detailed comparisons of the relationship between various production practices (such as chemical and tillage use) and farm financial conditions.

The first farm production expenditures estimation program was established in calendar year 1993. For earlier years, Farm Production Expenditure publications included only survey indications for expenditures at the United States, regional, size and type of farm levels. Currently, estimates are published for major groupings of farm production expenses for the United States, five Farm Production Regions, eight United States Economic Sales Classes, two Farm Types, the 15 Leading Cash Receipts States, and five Other State groupings.

Also, in 1993, due to increased demand for quality production input data, NASS and the Economic Research Service (ERS) began jointly setting estimates for production input costs. This change in procedure was facilitated by the adoption of new summary adjustments for non-response and farm coverage. The Agricultural Statistics Board establishes estimates for major expenditure items for the current year and considers revisions for the previous year's data. Formal release of expense data occurs before, but in coordination with, the release of related ERS statistics such as net farm income.

One of the primary NASS uses of farm-production expenditure data is for weighting of Prices Paid Indexes. In early 1995, NASS completed a revision of the indexes. To facilitate this process, changes were made in component items estimated in this publication. 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 Building and Fencing Materials were combined with Farm and Land Improvements to make the Farm Improvements and Construction category. Estimates for these levels were revised back to 1990, at the United States level, to provide a more useful series for data users.

The uses of financial and demographic data collected in ARMS Phase III has widespread and significant impact on the agriculture industry. The data collected allows ERS to develop estimates that include farm income, cost of production for selected commodities, farm business balance sheets, farm productivity indicators, and analysis of farm financial and household characteristics. In addition, Congress, USDA, Bureau of Economic Analysis (BEA), researchers, Agricultural Extension, and agribusinesses utilize data to develop forecasts, conduct research projects, and establish and review farm policy. The demand for quality farm expenditure and income data continues to increase as the agricultural community becomes increasingly more complex and integrated.

Economic classification has been revised over time. Before 2002, five United States Economic Classes for Gross Value of Sales were used in previous reports (see table below). In 2002, the United States Economic Classes were updated to be consistent with other NASS economic publications and seven United States Economic Classes for Gross Value of Sales were used. In 2007, a change was made to divide the largest economic class. See table below for historic economic class publication methods.

Prior to 2002	2002 to 2006	2007 to present
Less Than \$10,000	Less Than \$10,000	Less Than \$10,000
\$10,000 - \$39,999	\$10,000 - \$49,999	\$10,000 - \$49,999
\$40,000 - \$99,999	\$50,000 - \$99,999	\$50,000 - \$99,999
\$100,000 - \$249,999	\$100,000 - \$249,999	\$100,000 - \$249,999
\$250,000 and Over	\$250,000 - \$499,999	\$250,000 - \$499,999
-	\$500,000 - \$999,999	\$500,000 - \$999,999
-	\$1,000,000 and Over	\$1,000,000 - \$4,999,999
-	-	\$5,000,000 and Over

In 2003, Congress appropriated funding for the expansion of the ARMS program. The subsequent changes included an increased sample size, recombining of expenditure categories, fuel sub-component estimates, and a fully calibrated summary. ERS funding was used to support ARMS data collection. Sample sizes were increased in the 15 states with the highest cash receipts. The additional samples improved data quality and allowed for the publication of state-level estimates the following year. NASS funding restored the ARMS III sample to historical levels and restored the Field Crops Chemical Use Program and ARMS II - Production Practices Report.

The items included in the Farm Improvement and Construction expenditure were changed in 2003 to include expenses for the operator's dwelling (if the dwelling is owned by the operation). Fuels expense sub-components (diesel, gasoline, LP gas, and other) were published for the first time in 2003. Significant variations in energy prices over the last few years have made energy usage an important issue for all consumers.

In 2004, the first expenditure estimates were published for the 15 Leading Cash Receipts States. The Farm Production Regions were reduced from 10 to 5 regions. This change was made to allow NASS to publish state-level expenditure estimates without disclosing data for unpublished states. The map on page 41 shows the new distribution of regions and states.

In 2005, the Fuel sub-components sample was increased by adding the sub-component questions to two more questionnaire versions (versions four and five) in 2005 and to all questionnaires in 2006.

In 2006, a separate line item was added to the publication: Miscellaneous Capital Expenses. Summary inconsistencies with version five questionnaires dictated that the former Miscellaneous expense be summarized with General Business Expense into Farms Services Expenditure.

In 2008, all eight economic classes were published for Total Farm Production Expenditures. The 2008 summary also included a significant recalibration of the 2007 data and substantial revisions to the 2007 estimates because of farm numbers released in the 2007 Agricultural Census. Similar data and estimate changes were seen due to the farm numbers released in the 2012 and 2017 Census of Agriculture.

For this survey, item level nonresponse is accounted for by imputing data where there are missing values. Beginning in 2014, item level imputations are now done using a multivariate approach. Prior to the implementation of the multivariate approach, NASS used an unweighted conditional means imputation system that placed records into homogenous groups and imputed based off of reported data from those groups. The new multivariate approach uses a regression-based technique that allows for flexibility in the selection of conditional models while providing a valid joint distribution. In this procedure, labeled as Iterative Sequential Regression (ISR), parameter estimates, and imputations are obtained using a Markov Chain Monte Carlo sampling method. Using ISR, we are better able to preserve the relationships within the data and also allow the imputed values to better represent the variability of the data. Records with imputed data are re-edited to ensure the returned value is acceptable. The imputation algorithm delivers an acceptable value more than 99.5 percent of the time and Field Office statisticians are required to manually impute for any missing items.

Statistical Methodology

Survey: The 2023 Agricultural Resource Management Survey

Publication: *Farm Production Expenditures 2023 Summary* was released on July 26, 2024.

Data Collection: The Agricultural Resource Management Survey (ARMS III) was conducted January through May of 2023.

Sampling: ARMS III is a multi-frame survey, which utilizes a list frame (OL)/non-overlapping area frame (NOL) design. The list frame typically represents the larger, more specialized operations contributing the greater portion of the data expansions. The non-overlapping area frame provides coverage for the 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 assure that operations are not double counted. These multiple frame expansions are unbiased and provide more precise expansions than could be obtained by using a single frame approach.

ARMS III covers a population of all farms in the 48 contiguous states (excluding Alaska and Hawaii) that meet the official USDA definition (all establishments that sold or would normally have sold at least \$1,000 of agricultural products during the previous year). These operations include not only traditional agricultural farms such as grain farms and ranching operations, but also specialty farms like orchards, nurseries, and aquaculture.

Sample Design stratifies the population by Farm Value of Sales (FVS). There are eight strata that collapse into fewer strata in states that don't have many operations in the higher economic stratum and are not one of the fifteen leading cash receipts states.

June Area Survey (JAS) area non-overlap tracts for ARMS III with June farm value of sales (FVS) \$1,000 or more, after point determination, were eligible for the 2023 ARMS sample. This includes operations that are determined to have pasture points only.

To ensure consistent and proper execution of survey procedures in farm determination, data collection, and editing of detailed expense, income data, and demographic data, specialized training occurred on the national and state levels prior to the ARMS data collection period. Data are collected using electronic data reporting (EDR), mail return, and personal enumeration.

Sample: The 2023 sample was 39,389 farms and ranches.

Questionnaires: The ARMS III Cost and Returns Report (CRR) version collects information on general farm finances, farm expenses and income, assets, debt, farm household expenses, off-farm income, and farm operator demographic information. The commodity-specific ARMS III Cost of Production (COP) questionnaires collect the same information as the CRR. Additionally, these versions collect information related to the amount spent for selected expense items so that entire farm costs can be allocated to the targeted crop or livestock enterprise.

In 2023, there were three COP commodities: Oats, Peanuts, and Soybeans. The states involved in COP commodities for this year were:

California, Idaho, Montana, Texas, Kansas, Nebraska, North Dakota, South Dakota, Arkansas, Louisiana, Mississippi, Illinois, Missouri, Iowa, Minnesota, Wisconsin, Indiana, Michigan, Ohio, Alabama, Florida, Georgia, South Carolina, Kentucky, North Carolina, Tennessee, Virginia, New York, Pennsylvania.

Terms and Definitions

Agricultural chemicals: This expense line item includes material and application costs.

Average per farm: The average per farm is computed by dividing the line-item total expense by the total number of farms at that level (United States, region, type, economic class, or state).

Expense line items: All expense line items include the operator, landlord, and contractor shares of farm production expenses.

Farm improvements and construction: Includes all expenditures related to new construction or repairs of buildings, fences, operator dwelling (if dwelling is owned by operation), and any improvements to physical structures of land.

Farm services: This is a summation of all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, utilities, general expenses, and miscellaneous business expenses.

Farm supplies and repairs: This expense includes bedding/litter, marketing containers, power farm-shop equipment, oils and lubricants, temporary fencing, miscellaneous non-capital equipment and supplies, repairs and maintenance of equipment not depreciated, and other small, non-capital equipment.

Livestock, poultry, and related expenses: This line item includes purchases and leasing of livestock and poultry. Intra-state and inter-state transfers of livestock are captured.

Miscellaneous capital expenses: Expenditures for depreciable capital purchases that are excluded from the defined expense categories of farm improvements and construction, trucks and autos, tractors and self-propelled equipment, and other farm machinery.

Other fuels: Line item includes all other forms of fuel such as natural gas, coal, fuel oil, kerosene, wood, etc., excluding diesel, gasoline, and LP gas.

Regions: There are 5 agricultural regions based on geographic farm typology. Page 41 shows the regional boundaries and estimating states.

Rent: Rent includes cash rent paid, share rent, plus public and private grazing fees.

Seeds and plants: All purchases of seed, plants, or seed treatments for nursery and farming operation are included. Bedding plants, nursery stock, and seed purchased for resale are excluded.

Taxes: This expense is the sum of real estate taxes and personal property taxes for operator, landlord, and contractor.

Statistical Procedures

Survey Edit: Data were edited using both manual and automated edit procedures. Questionnaires were reviewed for consistency, data relationships, and completeness. Past analysis has shown approximately half of all changes made by editors were for correcting data recorded in the wrong cell. In cases where respondents were unable or unwilling to report data for any item on the questionnaire, the field enumerators or survey statisticians can impute a value. For income cells, debt/asset data, and a few expense items an imputation algorithm supplied data for any marked missing values based on similar size and type of operations after all records have cleared the edit. For other expense items where no data were reported, cells were edited by the survey statistician to a positive value based on other reported values from similar operations, previously reported data, or other administrative sources.

Macro analysis is accomplished using the Interactive Data Analysis System (IDAS). This allows analysts to compare groups of records to find outliers or other unusual relationships. Adjustments to the records for keying and reporting errors are often found and corrected at this level.

Commodity statisticians edit data along with NASS Regional Field Office (RFO) statisticians providing a ground truth understanding of the dataset. IDAS analysis starts early on a national basis before all records are entered into the database and cleaned of errors. Headquarters personnel review outliers, contract pricing, and profitability measures across records. Feedback is provided to RFO editors on specific records and general procedures as record editing progresses.

Outliers: Outliers are checked for accurate data and mitigated through a review process by the Agricultural Statistics Board (ASB). This mitigation is usually a reweighting to the median of the economic class by farm type at the state or regional level. National expense outliers are treated on an individual basis and weighting actions are approved by the ASB.

Calibration: Since 1992, the Direct Expansion (DE) summary has been adjusted for under coverage and total number of farms. In 2003, a second calibrated summary was developed which uses a more robust methodology that adjusts weights based on an increased number of target commodities. The sources for the targets are official USDA-NASS estimates. Additional targets may be added to control for commodities in the COP questionnaire versions. The sample weights are calibrated to these targets to ensure that farms of all sizes are properly represented in the survey results and that their economic activity is fully representative of the farm population.

Estimation: The implementation of the estimates analysis tool Review, Estimation, Comment, Analysis, and Publication (RECAP) was completed in 2018. RECAP improvements have enabled the establishment and revision of some 1,360 estimates now contained in this publication. The RECAP tools provide more administrative data, charting, and sample coverage data analysis to NASS statisticians when completing summary review.

Expenditure estimates are set on the state-level for states that have large samples and high agricultural production. These states are Arkansas, California, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Carolina, Texas, Washington, and Wisconsin. As a final estimate step, state expenditure estimates are reviewed and commented on by the 15 Estimate States. All other states are grouped by region and an estimate is set. These are used by ERS to develop the value-added tables.

After data are summarized, a combined NASS/ERS Board is used for outlier treatment and confirmation of National Expenditure Estimates. This board procedure is consistent with the procedure used to set estimates for other NASS surveys. Seventeen United States level line items are set first on the rounded indication. After the Farm Production Expenditures Board formally approves the national estimates, NASS set estimates for line items in regions, 15 states, type of farm, economic class, and fuel sub-components. NASS publishes the expenditures and ERS staff set USDA estimates for income and demographic data.

Revision Policy: Each publication contains the current year preliminary estimates and the previous year final estimates. Farm Production Expenditure estimates are subject to revision one year after their preliminary release. Revisions are made only when additional information becomes available that changes the summarization of survey results. Additional information may become available when the calibration methodologies for production estimates are improved or revisions

occur in farm number estimates by sales class or other official estimates of commodity production. Data are not subject to revision in the five-year census cycle.

For more information concerning methodology and quality measures, see Farm Production Expenditures Methodology and Quality Measures located at https://www.nass.usda.gov/Publications/Methodology_and_Data_Quality/.

Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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Zoe Johnson – Cash Receipts, Farm Production Expenditures	(202) 720-5446
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Scott Peterson – Prices Received Indexes, Parity Prices, Prices Paid Indexes.....	(202) 221-9297
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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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