



United States  
Department of  
Agriculture

National  
Agricultural  
Statistics  
Service



ISSN: 1949-0895

# Farm Production Expenditures 2023 Summary

## July 2024

# USDA





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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.

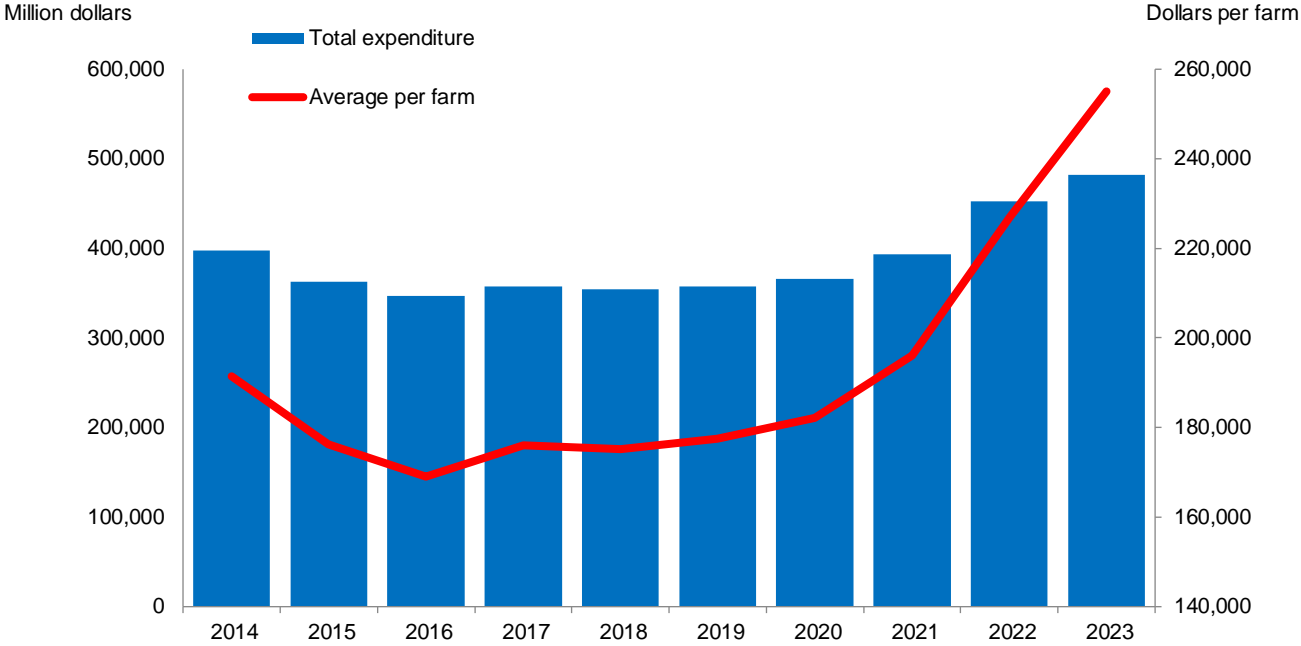
In 2023, crop farms expenditures increased to \$252.5 billion, up 8.2 percent, while livestock farms expenditures increased to \$229.4 billion, up 4.7 percent. The largest expenditures for crop farms are labor at \$36.1 billion (14.3 percent), farm services at \$32.1 billion (12.7 percent), fertilizer, 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](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)
<b>Atlantic</b>						
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
<b>South</b>						
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
<b>Midwest</b>						
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
<b>Plains</b>						
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
<b>West</b>						
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
<b>United States .....</b>	<b>452,500</b>	<b>481,900</b>	<b>45,000</b>	<b>55,700</b>	<b>9.9</b>	<b>11.6</b>

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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)
<b>Atlantic</b>								
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
<b>South</b>								
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
<b>Midwest</b>								
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
<b>Plains</b>								
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
<b>West</b>								
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
<b>United States .....</b>	<b>83,600</b>	<b>80,000</b>	<b>18.5</b>	<b>16.6</b>	<b>49,200</b>	<b>54,500</b>	<b>10.9</b>	<b>11.3</b>

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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)
<b>Atlantic</b>								
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
<b>South</b>								
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
<b>Midwest</b>								
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
<b>Plains</b>								
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
<b>West</b>								
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
<b>United States .....</b>	<b>32,200</b>	<b>34,800</b>	<b>7.1</b>	<b>7.2</b>	<b>21,400</b>	<b>21,600</b>	<b>4.7</b>	<b>4.5</b>

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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)
<b>Atlantic</b>								
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
<b>Total .....</b>	<b>3,500</b>	<b>3,200</b>	<b>6.5</b>	<b>5.3</b>	<b>880</b>	<b>1,400</b>	<b>1.6</b>	<b>2.3</b>
<b>South</b>								
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
<b>Total .....</b>	<b>3,400</b>	<b>2,900</b>	<b>7.2</b>	<b>5.8</b>	<b>620</b>	<b>800</b>	<b>1.3</b>	<b>1.6</b>
<b>Midwest</b>								
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
<b>Total .....</b>	<b>16,200</b>	<b>15,000</b>	<b>11.2</b>	<b>9.9</b>	<b>3,200</b>	<b>4,200</b>	<b>2.2</b>	<b>2.8</b>
<b>Plains</b>								
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
<b>Total .....</b>	<b>8,100</b>	<b>8,700</b>	<b>7.4</b>	<b>7.6</b>	<b>2,000</b>	<b>2,400</b>	<b>1.8</b>	<b>2.1</b>
<b>West</b>								
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
<b>Total .....</b>	<b>5,400</b>	<b>6,000</b>	<b>5.6</b>	<b>5.6</b>	<b>2,300</b>	<b>2,800</b>	<b>2.4</b>	<b>2.6</b>
<b>United States .....</b>	<b>36,600</b>	<b>35,800</b>	<b>8.1</b>	<b>7.4</b>	<b>9,000</b>	<b>11,600</b>	<b>2.0</b>	<b>2.4</b>

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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)
<b>Atlantic</b>								
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
<b>Total .....</b>	<b>2,300</b>	<b>2,000</b>	<b>4.3</b>	<b>3.3</b>	<b>6,600</b>	<b>6,400</b>	<b>12.3</b>	<b>10.7</b>
<b>South</b>								
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
<b>Total .....</b>	<b>1,080</b>	<b>1,000</b>	<b>2.3</b>	<b>2.0</b>	<b>3,500</b>	<b>5,400</b>	<b>7.4</b>	<b>10.8</b>
<b>Midwest</b>								
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
<b>Total .....</b>	<b>4,940</b>	<b>5,200</b>	<b>3.4</b>	<b>3.4</b>	<b>7,400</b>	<b>6,700</b>	<b>5.1</b>	<b>4.4</b>
<b>Plains</b>								
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
<b>Total .....</b>	<b>4,230</b>	<b>4,300</b>	<b>3.8</b>	<b>3.8</b>	<b>4,100</b>	<b>4,200</b>	<b>3.7</b>	<b>3.7</b>
<b>West</b>								
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
<b>Total .....</b>	<b>3,150</b>	<b>3,500</b>	<b>3.3</b>	<b>3.3</b>	<b>20,500</b>	<b>25,800</b>	<b>21.2</b>	<b>24.1</b>
<b>United States .....</b>	<b>15,700</b>	<b>16,000</b>	<b>3.5</b>	<b>3.3</b>	<b>42,100</b>	<b>48,500</b>	<b>9.3</b>	<b>10.1</b>

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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	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)
<b>Atlantic</b>								
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
<b>South</b>								
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
<b>Midwest</b>								
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
<b>Plains</b>								
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
<b>West</b>								
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
<b>United States .....</b>	<b>17,500</b>	<b>16,500</b>	<b>3.9</b>	<b>3.4</b>	<b>21,900</b>	<b>24,100</b>	<b>4.8</b>	<b>5.0</b>

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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)
<b>Atlantic</b>								
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
<b>South</b>								
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
<b>Midwest</b>								
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
<b>Plains</b>								
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
<b>West</b>								
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
<b>United States .....</b>	<b>19,200</b>	<b>20,200</b>	<b>4.2</b>	<b>4.2</b>	<b>18,700</b>	<b>18,900</b>	<b>4.1</b>	<b>3.9</b>

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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)
<b>Atlantic</b>								
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
<b>Total .....</b>	<b>850</b>	<b>1,280</b>	<b>1.6</b>	<b>2.1</b>	<b>3,590</b>	<b>3,130</b>	<b>6.7</b>	<b>5.2</b>
<b>South</b>								
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
<b>Total .....</b>	<b>340</b>	<b>420</b>	<b>0.7</b>	<b>0.8</b>	<b>2,470</b>	<b>2,730</b>	<b>5.2</b>	<b>5.5</b>
<b>Midwest</b>								
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
<b>Total .....</b>	<b>3,880</b>	<b>4,070</b>	<b>2.7</b>	<b>2.7</b>	<b>10,600</b>	<b>11,500</b>	<b>7.3</b>	<b>7.6</b>
<b>Plains</b>								
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
<b>Total .....</b>	<b>1,850</b>	<b>1,720</b>	<b>1.7</b>	<b>1.5</b>	<b>5,210</b>	<b>5,650</b>	<b>4.7</b>	<b>5.0</b>
<b>West</b>								
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
<b>Total .....</b>	<b>980</b>	<b>1,110</b>	<b>1.0</b>	<b>1.0</b>	<b>3,130</b>	<b>4,290</b>	<b>3.2</b>	<b>4.0</b>
<b>United States .....</b>	<b>7,900</b>	<b>8,600</b>	<b>1.7</b>	<b>1.8</b>	<b>25,000</b>	<b>27,300</b>	<b>5.5</b>	<b>5.7</b>

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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)
<b>Atlantic</b>								
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
<b>South</b>								
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
<b>Midwest</b>								
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
<b>Plains</b>								
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
<b>West</b>								
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
<b>United States .....</b>	<b>5,900</b>	<b>5,700</b>	<b>1.3</b>	<b>1.2</b>	<b>1,600</b>	<b>2,100</b>	<b>0.4</b>	<b>0.4</b>



## 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

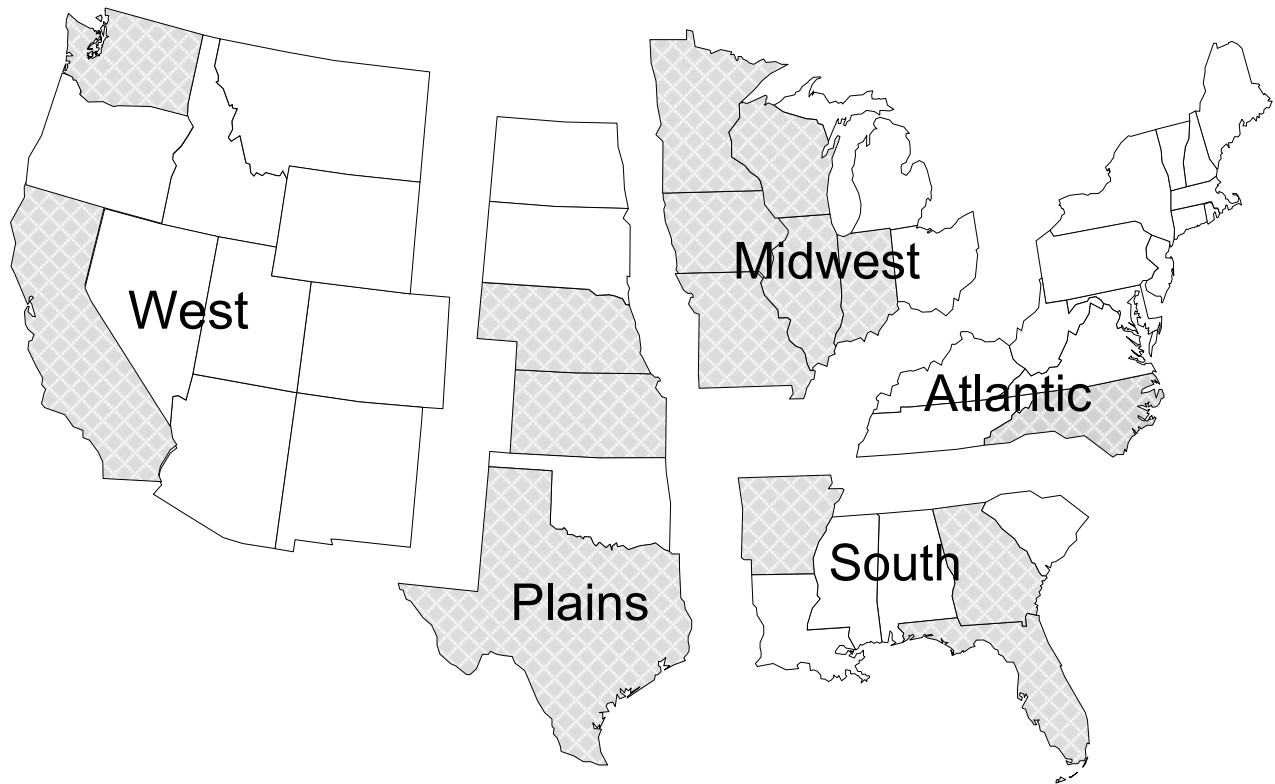
## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2022 and 2023

[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 Carolina<sup>1</sup>, Pennsylvania, Rhode Island, Tennessee, Vermont, Virginia, West Virginia

**South:** Alabama, Arkansas<sup>1</sup>, Florida<sup>1</sup>, Georgia<sup>1</sup>, Louisiana, Mississippi, South Carolina

**Midwest:** Illinois<sup>1</sup>, Indiana<sup>1</sup>, Iowa<sup>1</sup>, Michigan, Minnesota<sup>1</sup>, Missouri<sup>1</sup>, Ohio, Wisconsin<sup>1</sup>

**Plains:** Kansas<sup>1</sup>, Nebraska<sup>1</sup>, North Dakota, Oklahoma, South Dakota, Texas<sup>1</sup>

**West:** Arizona, California<sup>1</sup>, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington<sup>1</sup>, Wyoming

<sup>1</sup> 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/](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](mailto:nass@nass.usda.gov).

Bryan Combs, Chief, Environmental, Economics, and Demographics Branch.....	(202) 720-6146
Max Reason, Acting Head, Economics Section .....	(202) 720-4447
Stephanie Brennan – Farm Production Expenditures.....	(202) 690-0392
Doug Farmer – Chemical Use, Land Values.....	(202) 690-3229
Zoe Johnson – Cash Receipts, Farm Production Expenditures .....	(202) 720-5446
Michael Mathison – Cash Rents, Farms, Land in Farms, Grazing Fees .....	(202) 720-3243
Scott Peterson – Prices Received Indexes, Parity Prices, Prices Paid Indexes.....	(202) 221-9297
Max Reason – Prices Received Indexes, Parity Prices, Prices Paid Indexes .....	(202) 720-8844
Theresa Varner – Farm Labor .....	(202) 690-3231



Released July 26, 2024, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

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