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Farm Production Expenditures 2021 Summary

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2021 United States Total Farm Production Expenditure Highlights

Farm production expenditures in the United States are estimated at \$392.9 billion for 2021, up from \$366.2 billion in 2020. The 2021 total farm production expenditures are up 7.3 percent compared with 2020 total farm production expenditures. For the 17-line items, fifteen showed an increase from previous year, while two showed a decrease.

The four largest expenditures at the United States level total \$189.4 billion and account for 48.3 percent of total expenditures in 2021. These include feed, 16.6 percent, farm services, 11.5 percent, livestock, poultry, and related expenses, 10.8 percent, and labor, 9.4 percent.

In 2021, the United States total farm expenditure average per farm is \$196,087, up 7.7 percent from \$182,130 in 2020. On average, United States farm operations spent \$32,540 on feed, \$21,161 on livestock, poultry, and related expenses, \$22,458 on farm services, and \$18,366 on labor. For 2020, United States farms spent an average of \$28,250 on feed, \$22,232 on farm services, \$19,695 on livestock, poultry, and related expenses, and \$18,253 on labor.

Total fuel expense is \$12.9 billion. Diesel, the largest sub-component, is \$8.4 billion, accounting for 65.3 percent. Diesel expenditures are up 18.6 percent from the previous year. Gasoline is \$2.4 billion, up 22.7 percent. LP gas is \$1.4 billion, up 11.6 percent. Other fuel is \$610 million, down 16.4 percent.

The United States economic sales class contributing most to the 2021 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$122.1 billion, 31.1 percent of the United States total, up 4.9 percent from the 2020 level of \$116.4 billion. The next highest is the \$5,000,000 and over class with \$116.9 billion, up 19.4 percent from \$97.9 billion in 2020.

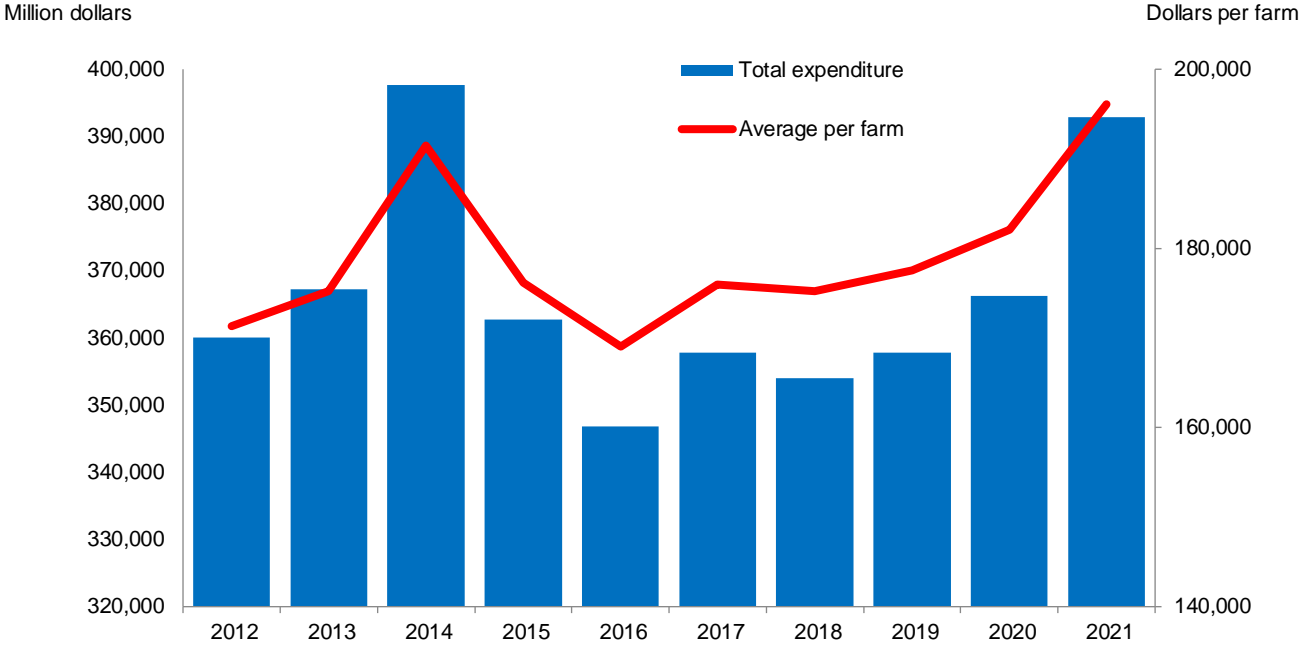
In 2021, crop farms expenditures increased to \$207.6 billion, up 6.2 percent, while livestock farms expenditures increased to \$185.3 billion, up 8.5 percent. The largest expenditures for crop farms are labor at \$25.4 billion (12.2 percent), farm services at \$27.0 billion (13.0 percent), and rent at \$27.3 billion (13.2 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$61.3 billion, accounting for 29.6 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$63.3 billion (34.2 percent of total), livestock, poultry, and related expenses at \$40.1 billion (21.6 percent), and farm services at \$18.0 billion (9.7 percent). Together, these line items account for 65.5 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$219,593 compared to \$175,092 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$124.9 billion (31.8 percent), up from \$112.8 billion in 2020. Other regions, ranked by total expenditures, are the Plains at \$99.2 billion (25.2 percent), West at \$86.7 billion (22.1 percent), Atlantic at \$42.9 billion (10.9 percent), and South at \$39.2 billion (10.0 percent).

Combined total expenditures for the 15 estimate states is \$266.4 billion in 2021 (67.8 percent of the United States total expenditures) and \$242.3 billion in 2020 (66.2 percent). California contributed most to the 2021 United States total expenditures, with expenses of \$42.2 billion, (10.7 percent). California expenditures are up 0.6 percent from the 2020 estimate of \$41.9 billion. Iowa, the next leading state, has \$34.0 billion in expenses, (8.7 percent). Other states with more than \$24 billion in total expenditures are Texas with \$26.0 billion and Nebraska with \$24.5 billion.

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

Farm Production Expenditures, Total, and Average Per Farm by Year – United States: 2012-2021



Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2020 and 2021

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

Expenditure	2020		2021	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry, and related expenses	39,600	10.8	42,400	10.8
Feed	56,800	15.5	65,200	16.6
Farm services	44,700	12.2	45,000	11.5
Rent	30,100	8.2	32,000	8.1
Agricultural chemicals	16,500	4.5	17,800	4.5
Fertilizer, lime, and soil conditioners	24,400	6.7	29,500	7.5
Interest	9,900	2.7	8,700	2.2
Taxes	14,100	3.9	14,700	3.7
Labor	36,700	10.0	36,800	9.4
Fuel	11,100	3.0	12,900	3.3
Farm supplies and repairs	19,400	5.3	20,200	5.1
Farm improvements and construction	14,400	3.9	14,500	3.7
Tractors and self-propelled farm machinery	13,700	3.7	17,600	4.5
Other farm machinery	6,000	1.6	7,000	1.8
Seeds and plants	23,000	6.3	22,300	5.7
Trucks and autos	5,100	1.4	5,200	1.3
Miscellaneous capital expenses	700	0.2	1,100	0.3
Total farm production expenditures	366,200	100.0	392,900	100.0

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.1	24.2	19,695	21,161	39,600	42,400
Feed	53.6	53.4	28,250	32,540	56,800	65,200
Farm services	88.5	90.1	22,232	22,458	44,700	45,000
Rent	27.7	28.0	14,970	15,970	30,100	32,000
Agricultural chemicals	45.2	43.3	8,206	8,884	16,500	17,800
Fertilizer, lime, and soil conditioners	51.1	52.9	12,135	14,723	24,400	29,500
Interest	28.7	27.1	4,924	4,342	9,900	8,700
Taxes	99.4	99.6	7,013	7,336	14,100	14,700
Labor	23.0	23.1	18,253	18,366	36,700	36,800
Fuel	81.3	82.9	5,521	6,438	11,100	12,900
Farm supplies and repairs	78.5	80.1	9,649	10,081	19,400	20,200
Farm improvements and construction	48.9	46.3	7,162	7,237	14,400	14,500
Tractors and self-propelled farm machinery	13.4	14.5	6,814	8,784	13,700	17,600
Other farm machinery	13.3	13.7	2,984	3,494	6,000	7,000
Seeds and plants	38.3	39.7	11,439	11,129	23,000	22,300
Trucks and autos	11.2	11.2	2,536	2,595	5,100	5,200
Miscellaneous capital expenses	4.6	7.0	348	549	700	1,100
Total farm production expenditures	100.0	100.0	182,130	196,087	366,200	392,900

Farm Production Expenditures by Year – United States: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	41,600	46,300	42,800	39,600	42,400
Feed	54,500	53,800	59,400	56,800	65,200
Farm services	43,100	44,100	42,800	44,700	45,000
Rent	29,700	28,800	29,700	30,100	32,000
Agricultural chemicals	15,700	15,400	15,500	16,500	17,800
Fertilizer, lime, and soil conditioners	22,000	23,200	22,300	24,400	29,500
Interest	9,700	9,800	10,500	9,900	8,700
Taxes	12,700	12,800	13,400	14,100	14,700
Labor	36,000	33,900	34,800	36,700	36,800
Fuel	11,900	12,300	12,300	11,100	12,900
Farm supplies and repairs	18,000	17,200	17,600	19,400	20,200
Farm improvements and construction	16,200	12,700	13,500	14,400	14,500
Tractors and self-propelled farm machinery	12,500	11,300	11,900	13,700	17,600
Other farm machinery	5,700	5,200	5,100	6,000	7,000
Seeds and plants	22,500	21,900	21,200	23,000	22,300
Trucks and autos	5,400	4,610	4,430	5,100	5,200
Miscellaneous capital expenses	600	690	570	700	1,100
Total farm production expenditures	357,800	354,000	357,800	366,200	392,900

Farm Production Expenditures by Percent of Total – United States: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry, and related expenses	11.6	13.1	12.0	10.8	10.8
Feed	15.2	15.2	16.6	15.5	16.6
Farm services	12.0	12.5	12.0	12.2	11.5
Rent	8.3	8.1	8.3	8.2	8.1
Agricultural chemicals	4.4	4.4	4.3	4.5	4.5
Fertilizer, lime, and soil conditioners	6.1	6.6	6.2	6.7	7.5
Interest	2.7	2.8	2.9	2.7	2.2
Taxes	3.5	3.6	3.7	3.9	3.7
Labor	10.1	9.6	9.7	10.0	9.4
Fuel	3.3	3.5	3.4	3.0	3.3
Farm supplies and repairs	5.0	4.9	4.9	5.3	5.1
Farm improvements and construction	4.5	3.6	3.8	3.9	3.7
Tractors and self-propelled farm machinery	3.5	3.2	3.3	3.7	4.5
Other farm machinery	1.6	1.5	1.4	1.6	1.8
Seeds and plants	6.3	6.2	5.9	6.3	5.7
Trucks and autos	1.5	1.3	1.2	1.4	1.3
Miscellaneous capital expenses	0.2	0.2	0.2	0.2	0.3
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: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	10.0	8.6	1,698	2,433	1,600	2,300
Feed	16.6	15.5	1,698	2,010	1,600	1,900
Farm services	84.1	86.1	27,798	28,561	26,200	27,000
Rent	28.9	30.3	26,631	28,878	25,100	27,300
Agricultural chemicals	53.5	53.0	15,915	17,031	15,000	16,100
Fertilizer, lime, and soil conditioners	58.6	62.0	22,175	26,763	20,900	25,300
Interest	29.8	27.8	6,260	5,395	5,900	5,100
Taxes	99.7	99.9	9,443	9,944	8,900	9,400
Labor	23.4	23.6	28,647	26,869	27,000	25,400
Fuel	76.6	80.2	7,427	8,463	7,000	8,000
Farm supplies and repairs	73.8	75.7	12,626	12,905	11,900	12,200
Farm improvements and construction	43.0	43.1	8,170	8,251	7,700	7,800
Tractors and self-propelled farm machinery	12.9	15.5	9,761	12,482	9,200	11,800
Other farm machinery	14.0	14.8	4,212	5,141	3,970	4,860
Seeds and plants	51.1	53.8	21,750	21,051	20,500	19,900
Trucks and autos	11.7	12.2	2,918	2,930	2,750	2,770
Miscellaneous capital expenses	3.5	6.8	276	487	260	460
Total farm production expenditures	100.0	100.0	207,404	219,593	195,480	207,590

Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	40.4	38.2	35,576	37,889	38,000	40,100
Feed	86.2	87.2	51,679	59,810	55,200	63,300
Farm services	92.4	93.6	17,320	17,007	18,500	18,000
Rent	26.7	25.9	4,681	4,441	5,000	4,700
Agricultural chemicals	38.0	34.6	1,404	1,606	1,500	1,700
Fertilizer, lime, and soil conditioners	44.5	44.7	3,277	3,968	3,500	4,200
Interest	27.8	26.4	3,745	3,401	4,000	3,600
Taxes	99.2	99.3	4,868	5,008	5,200	5,300
Labor	22.6	22.7	9,081	10,771	9,700	11,400
Fuel	85.4	85.3	3,838	4,630	4,100	4,900
Farm supplies and repairs	82.8	84.0	7,022	7,559	7,500	8,000
Farm improvements and construction	54.0	49.2	6,273	6,331	6,700	6,700
Tractors and self-propelled farm machinery	13.8	13.6	4,213	5,480	4,500	5,800
Other farm machinery	12.7	12.6	1,900	2,022	2,030	2,140
Seeds and plants	27.0	27.2	2,341	2,268	2,500	2,400
Trucks and autos	10.8	10.3	2,200	2,296	2,350	2,430
Miscellaneous capital expenses	5.5	7.1	412	605	440	640
Total farm production expenditures	100.0	100.0	159,829	175,092	170,720	185,310

Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000	5.0	4.8	17,861	18,446	18,350	18,820
\$10,000 - \$49,999	4.8	4.8	36,857	40,047	17,530	18,990
\$50,000 - \$99,999	3.2	3.3	86,151	93,948	11,670	12,870
\$100,000 - \$249,999	6.3	6.1	172,237	178,972	23,240	24,120
\$250,000 - \$499,999	8.7	8.1	359,623	358,589	31,690	31,710
\$500,000 - \$999,999	13.5	12.1	695,297	666,339	49,380	47,390
\$1,000,000 - \$4,999,999	31.8	31.1	1,681,300	1,765,693	116,430	122,080
\$5,000,000 and over	26.7	29.8	11,063,277	13,271,283	97,910	116,920
Total farm production expenditures	100.0	100.0	182,130	196,087	366,200	392,900

Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.0	17.0	457	392	470	400
Feed	52.7	53.2	1,674	1,784	1,720	1,820
Farm services	81.7	84.1	2,385	2,617	2,450	2,670
Rent	8.8	8.7	195	206	200	210
Agricultural chemicals	26.7	24.0	156	147	160	150
Fertilizer, lime, and soil conditioners	33.2	35.7	457	529	470	540
Interest	16.1	13.1	847	588	870	600
Taxes	99.1	99.4	2,784	2,568	2,860	2,620
Labor	12.2	12.3	565	843	580	860
Fuel	72.8	75.1	730	863	750	880
Farm supplies and repairs	68.7	70.7	1,421	1,451	1,460	1,480
Farm improvements and construction	40.2	38.8	2,531	2,490	2,600	2,540
Tractors and self-propelled farm machinery	8.7	10.2	1,333	2,009	1,370	2,050
Other farm machinery	7.4	6.9	389	647	400	660
Seeds and plants	20.2	22.2	360	284	370	290
Trucks and autos	8.0	7.0	1,304	833	1,340	850
Miscellaneous capital expenses	3.8	3.8	273	196	280	200
Total farm production expenditures	100.0	100.0	17,861	18,446	18,350	18,820

Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.0	27.4	1,556	1,898	740	900
Feed	58.4	57.6	3,028	3,564	1,440	1,690
Farm services	91.6	92.4	4,710	5,167	2,240	2,450
Rent	26.4	29.6	1,346	1,265	640	600
Agricultural chemicals	46.6	43.8	799	822	380	390
Fertilizer, lime, and soil conditioners	54.1	55.9	2,124	2,383	1,010	1,130
Interest	24.0	27.9	1,325	1,771	630	840
Taxes	99.6	99.6	3,469	4,112	1,650	1,950
Labor	19.5	21.1	1,283	1,666	610	790
Fuel	82.9	84.5	1,682	2,130	800	1,010
Farm supplies and repairs	80.4	83.5	2,859	3,269	1,360	1,550
Farm improvements and construction	50.0	47.2	3,848	3,269	1,830	1,550
Tractors and self-propelled farm machinery	13.7	12.4	3,848	3,437	1,830	1,630
Other farm machinery	11.7	13.4	1,514	1,223	720	580
Seeds and plants	36.6	37.9	1,240	1,223	590	580
Trucks and autos	10.5	10.9	1,976	2,235	940	1,060
Miscellaneous capital expenses	3.8	8.1	252	612	120	290
Total farm production expenditures	100.0	100.0	36,857	40,047	17,530	18,990

Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.9	32.0	3,617	4,745	490	650
Feed	51.5	53.7	5,906	6,935	800	950
Farm services	98.2	99.5	12,476	12,702	1,690	1,740
Rent	52.6	47.4	5,832	5,475	790	750
Agricultural chemicals	71.9	69.2	3,691	3,577	500	490
Fertilizer, lime, and soil conditioners	81.7	76.9	7,235	8,030	980	1,100
Interest	35.3	40.0	2,953	3,577	400	490
Taxes	100.0	99.9	6,275	6,643	850	910
Labor	31.8	31.2	4,872	7,081	660	970
Fuel	93.3	93.1	3,691	4,672	500	640
Farm supplies and repairs	93.0	90.6	6,570	7,081	890	970
Farm improvements and construction	55.5	51.9	5,611	5,694	760	780
Tractors and self-propelled farm machinery	16.6	17.4	5,537	6,132	750	840
Other farm machinery	20.2	18.3	3,027	2,482	410	340
Seeds and plants	64.7	62.8	5,537	4,599	750	630
Trucks and autos	11.6	14.7	2,879	3,796	390	520
Miscellaneous capital expenses	5.3	9.3	443	730	60	100
Total farm production expenditures	100.0	100.0	86,151	93,948	11,670	12,870

Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.5	35.2	7,411	8,533	1,000	1,150
Feed	48.1	51.5	11,858	12,688	1,600	1,710
Farm services	100.0	99.8	24,679	23,596	3,330	3,180
Rent	69.5	62.3	16,453	14,469	2,220	1,950
Agricultural chemicals	80.7	79.3	8,894	8,904	1,200	1,200
Fertilizer, lime, and soil conditioners	86.8	86.8	16,453	17,586	2,220	2,370
Interest	58.6	47.6	6,374	4,971	860	670
Taxes	100.0	100.0	10,302	9,052	1,390	1,220
Labor	39.2	36.6	9,931	10,462	1,340	1,410
Fuel	96.7	97.8	8,152	8,533	1,100	1,150
Farm supplies and repairs	96.7	96.6	13,711	14,172	1,850	1,910
Farm improvements and construction	60.0	56.3	9,561	8,533	1,290	1,150
Tractors and self-propelled farm machinery	16.3	19.6	6,892	14,024	930	1,890
Other farm machinery	21.2	25.9	3,632	6,084	490	820
Seeds and plants	79.7	78.2	14,007	12,688	1,890	1,710
Trucks and autos	15.0	16.6	3,557	3,562	480	480
Miscellaneous capital expenses	5.5	12.8	371	1,113	50	150
Total farm production expenditures	100.0	100.0	172,237	178,972	23,240	24,120

Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	37.1	38.4	16,682	21,938	1,470	1,940
Feed	48.2	49.3	26,555	30,759	2,340	2,720
Farm services	100.0	99.9	45,279	41,389	3,990	3,660
Rent	73.2	74.9	41,988	38,335	3,700	3,390
Agricultural chemicals	86.7	87.9	21,335	21,147	1,880	1,870
Fertilizer, lime, and soil conditioners	88.1	87.6	34,612	38,901	3,050	3,440
Interest	68.6	59.3	14,072	9,160	1,240	810
Taxes	99.8	100.0	16,909	15,266	1,490	1,350
Labor	49.8	49.4	25,420	22,051	2,240	1,950
Fuel	99.0	98.6	13,050	14,927	1,150	1,320
Farm supplies and repairs	98.9	97.6	25,079	22,504	2,210	1,990
Farm improvements and construction	70.8	63.2	13,731	11,535	1,210	1,020
Tractors and self-propelled farm machinery	22.6	27.4	18,157	23,408	1,600	2,070
Other farm machinery	28.7	31.3	8,284	9,838	730	870
Seeds and plants	83.8	83.6	31,775	29,515	2,800	2,610
Trucks and autos	24.4	23.0	6,128	7,011	540	620
Miscellaneous capital expenses	7.5	10.5	567	905	50	80
Total farm production expenditures	100.0	100.0	359,623	358,589	31,690	31,710

Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	40.9	31.9	58,153	37,402	4,130	2,660
Feed	50.1	39.5	60,546	52,165	4,300	3,710
Farm services	100.0	100.0	83,075	75,928	5,900	5,400
Rent	78.5	79.5	87,299	82,958	6,200	5,900
Agricultural chemicals	90.4	92.4	43,368	44,994	3,080	3,200
Fertilizer, lime, and soil conditioners	88.0	91.5	65,756	73,116	4,670	5,200
Interest	70.6	69.6	22,529	17,717	1,600	1,260
Taxes	100.0	100.0	25,627	25,731	1,820	1,830
Labor	62.0	60.1	48,859	53,712	3,470	3,820
Fuel	98.6	99.6	23,233	25,028	1,650	1,780
Farm supplies and repairs	98.1	98.4	38,017	39,933	2,700	2,840
Farm improvements and construction	72.0	67.8	22,951	19,826	1,630	1,410
Tractors and self-propelled farm machinery	30.6	31.8	35,624	36,839	2,530	2,620
Other farm machinery	37.8	32.8	14,785	15,467	1,050	1,100
Seeds and plants	84.1	85.9	58,012	55,259	4,120	3,930
Trucks and autos	21.8	24.7	6,618	8,577	470	610
Miscellaneous capital expenses	9.6	16.0	845	1,687	60	120
Total farm production expenditures	100.0	100.0	695,297	666,339	49,380	47,390

Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	52.4	44.3	174,729	159,097	12,100	11,000
Feed	57.1	50.2	313,357	297,946	21,700	20,600
Farm services	100.0	100.0	192,058	192,363	13,300	13,300
Rent	73.0	77.5	166,065	205,380	11,500	14,200
Agricultural chemicals	86.2	89.1	88,087	104,137	6,100	7,200
Fertilizer, lime, and soil conditioners	79.4	84.2	124,188	163,437	8,600	11,300
Interest	76.9	70.9	42,744	35,291	2,960	2,440
Taxes	100.0	100.0	42,599	46,138	2,950	3,190
Labor	76.2	74.5	161,733	137,402	11,200	9,500
Fuel	99.7	99.2	47,653	57,275	3,300	3,960
Farm supplies and repairs	98.7	98.3	77,978	82,441	5,400	5,700
Farm improvements and construction	77.8	73.2	38,845	47,729	2,690	3,300
Tractors and self-propelled farm machinery	35.1	38.7	52,563	73,763	3,640	5,100
Other farm machinery	33.4	36.6	23,971	30,229	1,660	2,090
Seeds and plants	77.0	81.7	124,188	120,046	8,600	8,300
Trucks and autos	24.8	26.6	9,675	11,281	670	780
Miscellaneous capital expenses	7.9	14.1	866	1,736	60	120
Total farm production expenditures	100.0	100.0	1,681,300	1,765,693	116,430	122,080

Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	52.3	45.8	2,169,492	2,690,125	19,200	23,700
Feed	60.8	56.1	2,587,571	3,632,236	22,900	32,000
Farm services	100.0	100.0	1,333,333	1,430,193	11,800	12,600
Rent	64.5	73.5	548,023	567,537	4,850	5,000
Agricultural chemicals	84.4	85.1	361,582	374,574	3,200	3,300
Fertilizer, lime, and soil conditioners	74.0	84.0	384,181	501,703	3,400	4,420
Interest	78.3	76.8	151,412	180,477	1,340	1,590
Taxes	100.0	100.0	123,164	185,017	1,090	1,630
Labor	89.7	92.5	1,875,706	1,986,379	16,600	17,500
Fuel	99.3	99.1	209,040	245,176	1,850	2,160
Farm supplies and repairs	99.1	99.1	398,870	426,788	3,530	3,760
Farm improvements and construction	84.1	83.6	270,056	312,145	2,390	2,750
Tractors and self-propelled farm machinery	43.5	48.2	118,644	158,910	1,050	1,400
Other farm machinery	38.0	38.2	61,017	61,294	540	540
Seeds and plants	71.7	81.1	438,418	482,406	3,880	4,250
Trucks and autos	36.3	36.4	30,508	31,782	270	280
Miscellaneous capital expenses	8.7	15.5	2,260	4,540	20	40
Total farm production expenditures	100.0	100.0	11,063,277	13,271,283	97,910	116,920

Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2020 and 2021

[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		
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms	7,000	8,000	4,700	5,500	1,150	1,420	690	740	460	340	
Livestock farms	4,100	4,900	2,400	2,920	830	1,010	600	700	270	270	

Economic class	Fuel production expenditure										
	Total		Diesel		Gasoline		LP gas		Other fuel		
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000	750	880	450	500	240	290	30	60	30	30	
\$10,000 - \$49,999	800	1,010	520	650	220	280	50	60	10	20	
\$50,000 - \$99,999	500	640	330	410	120	160	40	60	10	10	
\$100,000 - \$249,999	1,100	1,150	750	770	190	270	120	90	40	20	
\$250,000 - \$499,999	1,150	1,320	750	900	220	240	130	140	50	40	
\$500,000 - \$999,999	1,650	1,780	1,140	1,210	240	280	200	210	70	80	
\$1,000,000 - \$4,999,999	3,300	3,960	2,060	2,620	450	570	490	560	300	210	
\$5,000,000 and over	1,850	2,160	1,100	1,360	300	340	230	260	220	200	

Region	Fuel production expenditure										
	Total		Diesel		Gasoline		LP gas		Other fuel		
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic	1,420	1,630	870	970	265	370	185	210	100	80	
South	1,300	1,510	820	910	230	330	180	190	70	80	
Midwest	3,270	3,810	2,120	2,440	420	530	580	690	150	150	
Plains	2,690	3,250	1,760	2,300	485	580	165	200	280	170	
West	2,420	2,700	1,530	1,800	580	620	180	150	130	130	
United States	11,100	12,900	7,100	8,420	1,980	2,430	1,290	1,440	730	610	

Farm Production Expenditures – Region, State, and United States: 2020 and 2021

[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			
	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic						
North Carolina	11,520	11,605	2,020	1,800	17.5	15.5
Other States	32,670	31,315	2,080	1,980	6.4	6.3
Total	44,190	42,920	4,100	3,780	9.3	8.8
South						
Arkansas	8,110	8,485	1,220	1,050	15.0	12.4
Florida	7,750	7,900	100	110	1.3	1.4
Georgia	7,160	8,155	1,170	1,190	16.3	14.6
Other States	14,770	14,675	1,850	1,420	12.5	9.7
Total	37,790	39,215	4,340	3,770	11.5	9.6
Midwest						
Illinois	17,650	17,410	630	490	3.6	2.8
Indiana	10,460	11,045	690	590	6.6	5.3
Iowa	28,535	33,990	4,510	5,290	15.8	15.6
Minnesota	17,915	20,170	1,600	1,540	8.9	7.6
Missouri	10,465	11,625	740	820	7.1	7.1
Wisconsin	10,815	11,640	280	300	2.6	2.6
Other States	16,940	19,050	930	1,180	5.5	6.2
Total	112,780	124,930	9,380	10,210	8.3	8.2
Plains						
Kansas	17,300	22,550	5,460	6,760	31.6	30.0
Nebraska	20,280	24,520	5,030	6,520	24.8	26.6
Texas	22,770	26,045	4,670	5,680	20.5	21.8
Other States	24,990	26,060	1,900	2,450	7.6	9.4
Total	85,340	99,175	17,060	21,410	20.0	21.6
West						
California	41,910	42,165	1,190	850	2.8	2.0
Washington	9,690	9,065	420	470	4.3	5.2
Other States	34,500	35,430	3,110	1,910	9.0	5.4
Total	86,100	86,660	4,720	3,230	5.5	3.7
United States	366,200	392,900	39,600	42,400	10.8	10.8

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	3,500	4,230	30.4	36.4	1,180	890	10.2	7.7
Other States	6,140	5,860	18.8	18.7	4,060	3,820	12.4	12.2
Total	9,640	10,090	21.8	23.5	5,240	4,710	11.9	11.0
South								
Arkansas	2,180	2,160	26.9	25.5	740	790	9.1	9.3
Florida	540	570	7.0	7.2	1,380	970	17.8	12.3
Georgia	2,250	2,550	31.4	31.3	690	770	9.6	9.4
Other States	3,330	3,590	22.5	24.5	2,110	1,660	14.3	11.3
Total	8,300	8,870	22.0	22.6	4,920	4,190	13.0	10.7
Midwest								
Illinois	1,040	750	5.9	4.3	1,470	1,480	8.3	8.5
Indiana	1,350	910	12.9	8.2	1,030	1,040	9.8	9.4
Iowa	5,900	7,880	20.7	23.2	2,980	3,180	10.4	9.4
Minnesota	2,710	3,690	15.1	18.3	2,100	1,930	11.7	9.6
Missouri	1,000	1,650	9.6	14.2	1,030	1,060	9.8	9.1
Wisconsin	2,280	2,240	21.1	19.2	1,480	1,580	13.7	13.6
Other States	2,610	2,410	15.4	12.7	1,870	1,960	11.0	10.3
Total	16,890	19,530	15.0	15.6	11,960	12,230	10.6	9.8
Plains								
Kansas	2,470	3,870	14.3	17.2	1,480	1,670	8.6	7.4
Nebraska	2,170	2,960	10.7	12.1	1,860	2,040	9.2	8.3
Texas	4,000	5,170	17.6	19.9	2,690	2,860	11.8	11.0
Other States	2,350	2,280	9.4	8.7	2,660	2,520	10.6	9.7
Total	10,990	14,280	12.9	14.4	8,690	9,090	10.2	9.2
West								
California	4,280	4,980	10.2	11.8	7,680	8,830	18.3	20.9
Washington	860	1,120	8.9	12.4	1,550	1,150	16.0	12.7
Other States	5,840	6,330	16.9	17.9	4,660	4,800	13.5	13.5
Total	10,980	12,430	12.8	14.3	13,890	14,780	16.1	17.1
United States	56,800	65,200	15.5	16.6	44,700	45,000	12.2	11.5

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	510	340	4.4	2.9	360	410	3.1	3.5
Other States	1,410	1,290	4.3	4.1	1,030	1,040	3.2	3.3
Total	1,920	1,630	4.3	3.8	1,390	1,450	3.1	3.4
South								
Arkansas	640	780	7.9	9.2	450	510	5.5	6.0
Florida	90	115	1.2	1.5	330	400	4.3	5.1
Georgia	230	185	3.2	2.3	310	360	4.3	4.4
Other States	970	920	6.6	6.3	680	760	4.6	5.2
Total	1,930	2,000	5.1	5.1	1,770	2,030	4.7	5.2
Midwest								
Illinois	3,590	3,670	20.3	21.1	1,320	1,390	7.5	8.0
Indiana	1,580	1,700	15.1	15.4	580	780	5.5	7.1
Iowa	3,610	3,740	12.7	11.0	1,130	1,350	4.0	4.0
Minnesota	2,010	2,060	11.2	10.2	800	840	4.5	4.2
Missouri	1,300	1,350	12.4	11.6	630	630	6.0	5.4
Wisconsin	580	550	5.4	4.7	320	360	3.0	3.1
Other States	1,420	1,630	8.4	8.6	700	850	4.1	4.5
Total	14,090	14,700	12.5	11.8	5,480	6,200	4.9	5.0
Plains								
Kansas	1,330	2,100	7.7	9.3	760	910	4.4	4.0
Nebraska	2,440	2,970	12.0	12.1	860	1,040	4.2	4.2
Texas	850	1,120	3.7	4.3	650	650	2.9	2.5
Other States	2,620	3,010	10.5	11.6	1,390	1,490	5.6	5.7
Total	7,240	9,200	8.5	9.3	3,660	4,090	4.3	4.1
West								
California	2,180	1,810	5.2	4.3	2,370	2,210	5.7	5.2
Washington	700	510	7.2	5.6	630	520	6.5	5.7
Other States	2,040	2,150	5.9	6.1	1,200	1,300	3.5	3.7
Total	4,920	4,470	5.7	5.2	4,200	4,030	4.9	4.7
United States	30,100	32,000	8.2	8.1	16,500	17,800	4.5	4.5

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	420	550	3.6	4.7	160	120	1.4	1.0
Other States	2,020	2,270	6.2	7.2	940	710	2.9	2.3
Total	2,440	2,820	5.5	6.6	1,100	830	2.5	1.9
South								
Arkansas	480	490	5.9	5.8	180	165	2.2	1.9
Florida	500	450	6.5	5.7	170	70	2.2	0.9
Georgia	380	500	5.3	6.1	90	85	1.3	1.0
Other States	840	930	5.7	6.3	250	220	1.7	1.5
Total	2,200	2,370	5.8	6.0	690	540	1.8	1.4
Midwest								
Illinois	2,070	2,200	11.7	12.6	550	380	3.1	2.2
Indiana	1,050	1,420	10.0	12.9	345	320	3.3	2.9
Iowa	2,080	2,560	7.3	7.5	860	860	3.0	2.5
Minnesota	1,450	1,750	8.1	8.7	660	540	3.7	2.7
Missouri	1,000	1,340	9.6	11.5	395	370	3.8	3.2
Wisconsin	760	990	7.0	8.5	440	410	4.1	3.5
Other States	1,180	1,600	7.0	8.4	540	590	3.2	3.1
Total	9,590	11,860	8.5	9.5	3,790	3,470	3.4	2.8
Plains								
Kansas	1,040	1,440	6.0	6.4	380	300	2.2	1.3
Nebraska	1,380	1,820	6.8	7.4	520	420	2.6	1.7
Texas	1,120	1,170	4.9	4.5	400	490	1.8	1.9
Other States	2,030	2,610	8.1	10.0	990	790	4.0	3.0
Total	5,570	7,040	6.5	7.1	2,290	2,000	2.7	2.0
West								
California	2,170	2,360	5.2	5.6	810	890	1.9	2.1
Washington	510	540	5.3	6.0	180	170	1.9	1.9
Other States	1,920	2,510	5.6	7.1	1,040	800	3.0	2.3
Total	4,600	5,410	5.3	6.2	2,030	1,860	2.4	2.1
United States	24,400	29,500	6.7	7.5	9,900	8,700	2.7	2.2

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	250	230	2.2	2.0	940	910	8.2	7.8
Other States	2,050	1,770	6.3	5.7	2,980	2,960	9.1	9.5
Total	2,300	2,000	5.2	4.7	3,920	3,870	8.9	9.0
South								
Arkansas	160	190	2.0	2.2	320	300	3.9	3.5
Florida	200	320	2.6	4.1	2,010	2,730	25.9	34.6
Georgia	180	190	2.5	2.3	500	650	7.0	8.0
Other States	330	330	2.2	2.2	580	730	3.9	5.0
Total	870	1,030	2.3	2.6	3,410	4,410	9.0	11.2
Midwest								
Illinois	830	760	4.7	4.4	600	630	3.4	3.6
Indiana	465	510	4.4	4.6	470	365	4.5	3.3
Iowa	1,010	1,120	3.5	3.3	790	1,010	2.8	3.0
Minnesota	670	880	3.7	4.4	800	800	4.5	4.0
Missouri	370	380	3.5	3.3	400	375	3.8	3.2
Wisconsin	425	460	3.9	4.0	970	1,020	9.0	8.8
Other States	810	770	4.8	4.0	1,500	1,460	8.9	7.7
Total	4,580	4,880	4.1	3.9	5,530	5,660	4.9	4.5
Plains								
Kansas	510	560	2.9	2.5	640	700	3.7	3.1
Nebraska	1,420	1,230	7.0	5.0	550	750	2.7	3.1
Texas	930	1,120	4.1	4.3	1,460	1,860	6.4	7.1
Other States	930	1,000	3.7	3.8	1,000	950	4.0	3.6
Total	3,790	3,910	4.4	3.9	3,650	4,260	4.3	4.3
West								
California	1,320	1,460	3.1	3.5	12,560	11,100	30.0	26.3
Washington	300	260	3.1	2.9	2,570	2,270	26.5	25.0
Other States	940	1,160	2.7	3.3	5,060	5,230	14.7	14.8
Total	2,560	2,880	3.0	3.3	20,190	18,600	23.4	21.5
United States	14,100	14,700	3.9	3.7	36,700	36,800	10.0	9.4

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	290	340	2.5	2.9	400	440	3.5	3.8
Other States	1,130	1,290	3.5	4.1	2,380	2,310	7.3	7.4
Total	1,420	1,630	3.2	3.8	2,780	2,750	6.3	6.4
South								
Arkansas	320	405	3.9	4.8	310	410	3.8	4.8
Florida	190	185	2.5	2.3	720	490	9.3	6.2
Georgia	230	260	3.2	3.2	270	350	3.8	4.3
Other States	560	660	3.8	4.5	750	900	5.1	6.1
Total	1,300	1,510	3.4	3.9	2,050	2,150	5.4	5.5
Midwest								
Illinois	520	550	2.9	3.2	740	730	4.2	4.2
Indiana	320	360	3.1	3.3	510	540	4.9	4.9
Iowa	620	780	2.2	2.3	1,090	1,120	3.8	3.3
Minnesota	570	650	3.2	3.2	1,040	1,040	5.8	5.2
Missouri	380	450	3.6	3.9	620	620	5.9	5.3
Wisconsin	320	410	3.0	3.5	820	830	7.6	7.1
Other States	540	610	3.2	3.2	1,160	1,230	6.8	6.5
Total	3,270	3,810	2.9	3.0	5,980	6,110	5.3	4.9
Plains								
Kansas	450	580	2.6	2.6	630	810	3.6	3.6
Nebraska	460	730	2.3	3.0	820	930	4.0	3.8
Texas	780	960	3.4	3.7	990	1,170	4.3	4.5
Other States	1,000	980	4.0	3.8	1,490	1,690	6.0	6.5
Total	2,690	3,250	3.2	3.3	3,930	4,600	4.6	4.6
West								
California	1,000	1,100	2.4	2.6	1,840	1,880	4.4	4.5
Washington	260	260	2.7	2.9	530	520	5.5	5.7
Other States	1,160	1,340	3.4	3.8	2,290	2,190	6.6	6.2
Total	2,420	2,700	2.8	3.1	4,660	4,590	5.4	5.3
United States	11,100	12,900	3.0	3.3	19,400	20,200	5.3	5.1

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	310	260	2.7	2.2	250	330	2.2	2.8
Other States	1,950	1,910	6.0	6.1	1,310	1,380	4.0	4.4
Total	2,260	2,170	5.1	5.1	1,560	1,710	3.5	4.0
South								
Arkansas	170	180	2.1	2.1	240	290	3.0	3.4
Florida	280	405	3.6	5.1	170	240	2.2	3.0
Georgia	160	225	2.2	2.8	220	290	3.1	3.6
Other States	560	420	3.8	2.9	700	810	4.7	5.5
Total	1,170	1,230	3.1	3.1	1,330	1,630	3.5	4.2
Midwest								
Illinois	500	430	2.8	2.5	1,140	1,270	6.5	7.3
Indiana	420	310	4.0	2.8	380	760	3.6	6.9
Iowa	670	880	2.3	2.6	720	1,250	2.5	3.7
Minnesota	770	740	4.3	3.7	570	1,450	3.2	7.2
Missouri	680	430	6.5	3.7	650	660	6.2	5.7
Wisconsin	500	610	4.6	5.2	420	560	3.9	4.8
Other States	900	870	5.3	4.6	680	1,420	4.0	7.5
Total	4,440	4,270	3.9	3.4	4,560	7,370	4.0	5.9
Plains								
Kansas	310	470	1.8	2.1	580	940	3.4	4.2
Nebraska	470	390	2.3	1.6	570	720	2.8	2.9
Texas	950	1,000	4.2	3.8	1,440	1,180	6.3	4.5
Other States	860	920	3.4	3.5	1,900	1,770	7.6	6.8
Total	2,590	2,780	3.0	2.8	4,490	4,610	5.3	4.6
West								
California	1,810	1,900	4.3	4.5	560	620	1.3	1.5
Washington	420	470	4.3	5.2	250	230	2.6	2.5
Other States	1,710	1,680	5.0	4.7	950	1,430	2.8	4.0
Total	3,940	4,050	4.6	4.7	1,760	2,280	2.0	2.6
United States	14,400	14,500	3.9	3.7	13,700	17,600	3.7	4.5

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	60	110	0.5	0.9	740	490	6.4	4.2
Other States	820	630	2.5	2.0	1,830	1,530	5.6	4.9
Total	880	740	2.0	1.7	2,570	2,020	5.8	4.7
South								
Arkansas	120	100	1.5	1.2	460	530	5.7	6.2
Florida	40	55	0.5	0.7	900	650	11.6	8.2
Georgia	40	60	0.6	0.7	350	380	4.9	4.7
Other States	160	155	1.1	1.1	790	780	5.3	5.3
Total	360	370	1.0	0.9	2,500	2,340	6.6	6.0
Midwest								
Illinois	445	490	2.5	2.8	1,980	1,910	11.2	11.0
Indiana	195	295	1.9	2.7	980	1,000	9.4	9.1
Iowa	350	560	1.2	1.6	2,010	2,060	7.0	6.1
Minnesota	400	485	2.2	2.4	1,540	1,510	8.6	7.5
Missouri	205	255	2.0	2.2	790	920	7.5	7.9
Wisconsin	320	345	3.0	3.0	760	770	7.0	6.6
Other States	365	740	2.2	3.9	1,490	1,420	8.8	7.5
Total	2,280	3,170	2.0	2.5	9,550	9,590	8.5	7.7
Plains								
Kansas	210	305	1.2	1.4	840	830	4.9	3.7
Nebraska	260	345	1.3	1.4	1,250	1,410	6.2	5.8
Texas	320	310	1.4	1.2	910	800	4.0	3.1
Other States	930	820	3.7	3.1	2,000	2,040	8.0	7.8
Total	1,720	1,780	2.0	1.8	5,000	5,080	5.9	5.1
West								
California	210	190	0.5	0.5	1,640	1,700	3.9	4.0
Washington	90	90	0.9	1.0	320	340	3.3	3.8
Other States	460	660	1.3	1.9	1,420	1,230	4.1	3.5
Total	760	940	0.9	1.1	3,380	3,270	3.9	3.8
United States	6,000	7,000	1.6	1.8	23,000	22,300	6.3	5.7

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Farm Production Expenditures – Region, State, and United States: 2020 and 2021 (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			
	2020	2021	2020	2021	2020	2021	2020	2021
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	120	140	1.0	1.2	10	15	0.1	0.1
Other States	490	490	1.5	1.6	50	75	0.2	0.2
Total	610	630	1.4	1.5	60	90	0.1	0.2
South								
Arkansas	100	115	1.2	1.4	20	20	0.2	0.2
Florida	110	100	1.4	1.3	20	40	0.3	0.5
Georgia	80	90	1.1	1.1	10	20	0.1	0.2
Other States	260	315	1.8	2.1	50	75	0.3	0.5
Total	550	620	1.5	1.6	100	155	0.3	0.4
Midwest								
Illinois	205	255	1.2	1.5	20	25	0.1	0.1
Indiana	75	110	0.7	1.0	20	35	0.2	0.3
Iowa	185	305	0.6	0.9	20	45	0.1	0.1
Minnesota	205	220	1.1	1.1	20	45	0.1	0.2
Missouri	240	245	2.3	2.1	35	70	0.3	0.6
Wisconsin	115	160	1.1	1.4	25	45	0.2	0.4
Other States	225	265	1.3	1.4	20	45	0.1	0.2
Total	1,250	1,560	1.1	1.2	160	310	0.1	0.2
Plains								
Kansas	190	260	1.1	1.2	20	45	0.1	0.2
Nebraska	190	180	0.9	0.7	30	65	0.1	0.3
Texas	520	330	2.3	1.3	90	175	0.4	0.7
Other States	820	670	3.3	2.6	120	70	0.5	0.3
Total	1,720	1,440	2.0	1.5	260	355	0.3	0.4
West								
California	250	225	0.6	0.5	40	60	0.1	0.1
Washington	90	125	0.9	1.4	10	20	0.1	0.2
Other States	630	600	1.8	1.7	70	110	0.2	0.3
Total	970	950	1.1	1.1	120	190	0.1	0.2
United States	5,100	5,200	1.4	1.3	700	1,100	0.2	0.3

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.6	21.4	10,299	9,558	4,100	3,780
Feed	55.5	52.5	24,215	25,512	9,640	10,090
Farm services	89.9	87.0	13,163	11,909	5,240	4,710
Rent	22.3	22.9	4,823	4,121	1,920	1,630
Agricultural chemicals	42.9	34.3	3,492	3,666	1,390	1,450
Fertilizer, lime, and soil conditioners	52.3	56.5	6,129	7,130	2,440	2,820
Interest	27.0	22.6	2,763	2,099	1,100	830
Taxes	100.0	100.0	5,777	5,057	2,300	2,000
Labor	15.2	20.1	9,847	9,785	3,920	3,870
Fuel	83.0	84.7	3,567	4,121	1,420	1,630
Farm supplies and repairs	82.3	84.1	6,983	6,953	2,780	2,750
Farm improvements and construction	57.0	54.1	5,677	5,487	2,260	2,170
Tractors and self-propelled farm machinery	11.2	13.7	3,919	4,324	1,560	1,710
Other farm machinery	15.8	11.2	2,210	1,871	880	740
Seeds and plants	36.3	36.4	6,456	5,107	2,570	2,020
Trucks and autos	9.8	8.0	1,532	1,593	610	630
Miscellaneous capital expenses	2.1	4.6	151	228	60	90
Total farm production expenditures	100.0	100.0	111,002	108,521	44,190	42,920

Farm Production Expenditures Total by Year – Atlantic Region: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,020	4,980	4,660	4,100	3,780
Feed	9,300	9,600	9,310	9,640	10,090
Farm services	5,100	5,700	4,970	5,240	4,710
Rent	1,560	1,540	1,430	1,920	1,630
Agricultural chemicals	1,240	1,330	1,230	1,390	1,450
Fertilizer, lime, and soil conditioners	2,090	2,360	2,150	2,440	2,820
Interest	1,060	1,040	1,190	1,100	830
Taxes	1,670	1,780	1,820	2,300	2,000
Labor	4,680	4,090	3,630	3,920	3,870
Fuel	1,600	1,560	1,550	1,420	1,630
Farm supplies and repairs	2,650	2,650	2,420	2,780	2,750
Farm improvements and construction	2,640	2,300	2,320	2,260	2,170
Tractors and self-propelled farm machinery	1,500	1,970	1,860	1,560	1,710
Other farm machinery	780	950	830	880	740
Seeds and plants	2,460	2,310	2,030	2,570	2,020
Trucks and autos	810	780	630	610	630
Miscellaneous capital expenses	80	85	95	60	90
Total farm production expenditures	43,240	45,025	42,125	44,190	42,920

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.1	22.5	43,913	39,911	2,020	1,800
Feed	50.9	46.6	76,087	93,792	3,500	4,230
Farm services	92.0	86.2	25,652	19,734	1,180	890
Rent	30.6	34.7	11,087	7,539	510	340
Agricultural chemicals	56.8	52.2	7,826	9,091	360	410
Fertilizer, lime, and soil conditioners	65.9	71.4	9,130	12,195	420	550
Interest	22.5	20.9	3,478	2,661	160	120
Taxes	100.0	100.0	5,435	5,100	250	230
Labor	30.6	31.4	20,435	20,177	940	910
Fuel	89.8	90.6	6,304	7,539	290	340
Farm supplies and repairs	86.7	87.4	8,696	9,756	400	440
Farm improvements and construction	59.6	56.3	6,739	5,765	310	260
Tractors and self-propelled farm machinery	11.5	17.3	5,435	7,317	250	330
Other farm machinery	13.0	16.9	1,304	2,439	60	110
Seeds and plants	45.5	47.2	16,087	10,865	740	490
Trucks and autos	10.5	13.1	2,609	3,104	120	140
Miscellaneous capital expenses	2.8	3.3	217	333	10	15
Total farm production expenditures	100.0	100.0	250,435	257,317	11,520	11,605

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.9	21.2	5,907	5,651	2,080	1,980
Feed	56.1	53.3	17,438	16,724	6,140	5,860
Farm services	89.6	87.1	11,531	10,902	4,060	3,820
Rent	21.3	21.4	4,005	3,682	1,410	1,290
Agricultural chemicals	41.1	32.0	2,925	2,968	1,030	1,040
Fertilizer, lime, and soil conditioners	50.6	54.6	5,737	6,478	2,020	2,270
Interest	27.6	22.8	2,670	2,026	940	710
Taxes	100.0	99.9	5,822	5,051	2,050	1,770
Labor	13.1	18.6	8,464	8,447	2,980	2,960
Fuel	82.1	84.0	3,209	3,682	1,130	1,290
Farm supplies and repairs	81.7	83.6	6,759	6,592	2,380	2,310
Farm improvements and construction	56.6	53.8	5,538	5,451	1,950	1,910
Tractors and self-propelled farm machinery	11.1	13.2	3,721	3,938	1,310	1,380
Other farm machinery	16.2	10.5	2,329	1,798	820	630
Seeds and plants	35.0	35.1	5,197	4,366	1,830	1,530
Trucks and autos	9.7	7.3	1,392	1,398	490	490
Miscellaneous capital expenses	2.0	4.8	142	214	50	75
Total farm production expenditures	100.0	100.0	92,786	89,369	32,670	31,315

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.8	25.4	16,920	14,750	4,340	3,770
Feed	61.0	62.3	32,359	34,703	8,300	8,870
Farm services	83.7	92.1	19,181	16,393	4,920	4,190
Rent	21.3	22.6	7,524	7,825	1,930	2,000
Agricultural chemicals	45.2	45.9	6,901	7,942	1,770	2,030
Fertilizer, lime, and soil conditioners	52.1	55.0	8,577	9,272	2,200	2,370
Interest	20.5	19.8	2,690	2,113	690	540
Taxes	99.9	99.8	3,392	4,030	870	1,030
Labor	26.4	25.3	13,294	17,254	3,410	4,410
Fuel	81.6	88.0	5,068	5,908	1,300	1,510
Farm supplies and repairs	75.1	81.6	7,992	8,412	2,050	2,150
Farm improvements and construction	44.4	47.4	4,561	4,812	1,170	1,230
Tractors and self-propelled farm machinery	15.2	16.0	5,185	6,377	1,330	1,630
Other farm machinery	10.6	10.9	1,404	1,448	360	370
Seeds and plants	26.0	35.2	9,747	9,155	2,500	2,340
Trucks and autos	8.9	10.2	2,144	2,426	550	620
Miscellaneous capital expenses	5.7	9.6	390	606	100	155
Total farm production expenditures	100.0	100.0	147,329	153,423	37,790	39,215

Farm Production Expenditures Total by Year – South Region: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,240	3,800	3,780	4,340	3,770
Feed	8,500	8,800	8,360	8,300	8,870
Farm services	4,310	4,400	4,390	4,920	4,190
Rent	1,890	1,900	1,900	1,930	2,000
Agricultural chemicals	1,880	1,780	1,850	1,770	2,030
Fertilizer, lime, and soil conditioners	2,050	2,170	2,150	2,200	2,370
Interest	810	720	900	690	540
Taxes	870	840	900	870	1,030
Labor	3,210	3,090	3,130	3,410	4,410
Fuel	1,460	1,510	1,450	1,300	1,510
Farm supplies and repairs	1,600	1,610	1,710	2,050	2,150
Farm improvements and construction	1,550	1,160	1,330	1,170	1,230
Tractors and self-propelled farm machinery	1,510	1,350	1,500	1,330	1,630
Other farm machinery	470	410	490	360	370
Seeds and plants	2,070	2,080	2,230	2,500	2,340
Trucks and autos	640	660	610	550	620
Miscellaneous capital expenses	50	65	85	100	155
Total farm production expenditures	36,110	36,345	36,765	37,790	39,215

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.0	28.2	28,910	25,000	1,220	1,050
Feed	69.9	72.0	51,659	51,429	2,180	2,160
Farm services	87.4	90.8	17,536	18,810	740	790
Rent	26.3	27.1	15,166	18,571	640	780
Agricultural chemicals	38.9	40.3	10,664	12,143	450	510
Fertilizer, lime, and soil conditioners	46.7	44.3	11,374	11,667	480	490
Interest	25.1	32.5	4,265	3,929	180	165
Taxes	99.4	100.0	3,791	4,524	160	190
Labor	20.1	20.9	7,583	7,143	320	300
Fuel	80.6	83.8	7,583	9,643	320	405
Farm supplies and repairs	76.7	78.9	7,346	9,762	310	410
Farm improvements and construction	42.7	46.0	4,028	4,286	170	180
Tractors and self-propelled farm machinery	11.4	14.7	5,687	6,905	240	290
Other farm machinery	12.2	12.7	2,844	2,381	120	100
Seeds and plants	19.7	22.9	10,900	12,619	460	530
Trucks and autos	9.9	10.1	2,370	2,738	100	115
Miscellaneous capital expenses	4.2	5.9	474	476	20	20
Total farm production expenditures	100.0	100.0	192,180	202,024	8,110	8,485

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	20.1	22.8	2,105	2,316	100	110
Feed	59.7	59.1	11,368	12,000	540	570
Farm services	90.0	91.3	29,053	20,421	1,380	970
Rent	18.0	16.3	1,895	2,421	90	115
Agricultural chemicals	42.5	36.8	6,947	8,421	330	400
Fertilizer, lime, and soil conditioners	47.1	48.8	10,526	9,474	500	450
Interest	17.4	10.2	3,579	1,474	170	70
Taxes	100.0	100.0	4,211	6,737	200	320
Labor	29.6	24.4	42,316	57,474	2,010	2,730
Fuel	73.7	80.8	4,000	3,895	190	185
Farm supplies and repairs	71.5	69.9	15,158	10,316	720	490
Farm improvements and construction	57.2	55.3	5,895	8,526	280	405
Tractors and self-propelled farm machinery	22.8	13.9	3,579	5,053	170	240
Other farm machinery	10.1	6.6	842	1,158	40	55
Seeds and plants	25.2	23.3	18,947	13,684	900	650
Trucks and autos	12.7	7.6	2,316	2,105	110	100
Miscellaneous capital expenses	5.3	9.5	421	842	20	40
Total farm production expenditures	100.0	100.0	163,158	166,316	7,750	7,900

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	40.3	30.9	28,261	28,814	1,170	1,190
Feed	66.6	57.9	54,348	61,743	2,250	2,550
Farm services	69.8	91.4	16,667	18,644	690	770
Rent	16.1	22.5	5,556	4,479	230	185
Agricultural chemicals	60.0	44.7	7,488	8,717	310	360
Fertilizer, lime, and soil conditioners	44.5	53.4	9,179	12,107	380	500
Interest	18.7	24.1	2,174	2,058	90	85
Taxes	100.0	100.0	4,348	4,600	180	190
Labor	27.1	27.7	12,077	15,738	500	650
Fuel	66.8	91.1	5,556	6,295	230	260
Farm supplies and repairs	63.7	84.9	6,522	8,475	270	350
Farm improvements and construction	32.9	44.0	3,865	5,448	160	225
Tractors and self-propelled farm machinery	8.5	16.6	5,314	7,022	220	290
Other farm machinery	6.6	9.9	966	1,453	40	60
Seeds and plants	31.9	36.1	8,454	9,201	350	380
Trucks and autos	6.4	10.4	1,932	2,179	80	90
Miscellaneous capital expenses	3.9	9.1	242	484	10	20
Total farm production expenditures	100.0	100.0	172,947	197,458	7,160	8,155

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	20.4	23.6	14,753	11,378	1,850	1,420
Feed	56.7	61.6	26,555	28,766	3,330	3,590
Farm services	84.7	93.0	16,826	13,301	2,110	1,660
Rent	22.6	23.6	7,735	7,372	970	920
Agricultural chemicals	43.5	51.7	5,423	6,090	680	760
Fertilizer, lime, and soil conditioners	58.3	61.6	6,699	7,452	840	930
Interest	20.7	17.8	1,994	1,763	250	220
Taxes	100.0	99.5	2,632	2,644	330	330
Labor	27.0	26.4	4,625	5,849	580	730
Fuel	89.8	91.1	4,466	5,288	560	660
Farm supplies and repairs	79.7	85.8	5,981	7,212	750	900
Farm improvements and construction	43.9	46.0	4,466	3,365	560	420
Tractors and self-propelled farm machinery	15.9	17.0	5,582	6,490	700	810
Other farm machinery	11.5	12.3	1,276	1,242	160	155
Seeds and plants	26.5	43.6	6,300	6,250	790	780
Trucks and autos	8.0	11.1	2,073	2,524	260	315
Miscellaneous capital expenses	6.9	11.1	399	601	50	75
Total farm production expenditures	100.0	100.0	117,783	117,588	14,770	14,675

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.7	22.9	16,667	18,222	9,380	10,210
Feed	43.3	41.6	30,011	34,856	16,890	19,530
Farm services	90.5	90.4	21,251	21,828	11,960	12,230
Rent	34.0	34.8	25,036	26,236	14,090	14,700
Agricultural chemicals	51.4	51.3	9,737	11,066	5,480	6,200
Fertilizer, lime, and soil conditioners	57.7	60.9	17,040	21,167	9,590	11,860
Interest	37.5	38.8	6,734	6,193	3,790	3,470
Taxes	100.0	100.0	8,138	8,710	4,580	4,880
Labor	20.5	19.4	9,826	10,102	5,530	5,660
Fuel	80.3	84.1	5,810	6,800	3,270	3,810
Farm supplies and repairs	77.3	78.8	10,625	10,905	5,980	6,110
Farm improvements and construction	52.8	45.4	7,889	7,621	4,440	4,270
Tractors and self-propelled farm machinery	13.6	16.7	8,102	13,154	4,560	7,370
Other farm machinery	15.7	17.4	4,051	5,658	2,280	3,170
Seeds and plants	53.6	57.6	16,969	17,116	9,550	9,590
Trucks and autos	11.4	13.5	2,221	2,784	1,250	1,560
Miscellaneous capital expenses	4.4	7.1	284	553	160	310
Total farm production expenditures	100.0	100.0	200,391	222,970	112,780	124,930

Farm Production Expenditures Total by Year – Midwest Region: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	9,570	9,110	10,270	9,380	10,210
Feed	15,000	13,500	18,500	16,890	19,530
Farm services	11,730	11,300	11,670	11,960	12,230
Rent	13,630	13,680	13,800	14,090	14,700
Agricultural chemicals	5,280	5,270	5,150	5,480	6,200
Fertilizer, lime, and soil conditioners	8,520	8,980	8,510	9,590	11,860
Interest	3,550	3,800	3,770	3,790	3,470
Taxes	3,860	4,300	4,300	4,580	4,880
Labor	5,440	5,640	5,860	5,530	5,660
Fuel	3,450	3,820	3,730	3,270	3,810
Farm supplies and repairs	5,380	5,580	5,440	5,980	6,110
Farm improvements and construction	5,220	3,650	4,400	4,440	4,270
Tractors and self-propelled farm machinery	4,000	3,600	3,930	4,560	7,370
Other farm machinery	2,270	2,010	1,980	2,280	3,170
Seeds and plants	9,340	9,270	9,010	9,550	9,590
Trucks and autos	1,360	1,040	1,000	1,250	1,560
Miscellaneous capital expenses	170	185	140	160	310
Total farm production expenditures	107,770	104,735	111,460	112,780	124,930

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	12.1	9.3	8,861	6,911	630	490
Feed	18.5	26.3	14,627	10,578	1,040	750
Farm services	85.0	85.7	20,675	20,874	1,470	1,480
Rent	37.4	40.7	50,492	51,763	3,590	3,670
Agricultural chemicals	62.1	60.4	18,565	19,605	1,320	1,390
Fertilizer, lime, and soil conditioners	63.3	62.9	29,114	31,030	2,070	2,200
Interest	38.4	33.1	7,736	5,360	550	380
Taxes	100.0	100.0	11,674	10,719	830	760
Labor	20.6	20.1	8,439	8,886	600	630
Fuel	78.5	81.9	7,314	7,757	520	550
Farm supplies and repairs	74.3	76.0	10,408	10,296	740	730
Farm improvements and construction	47.8	42.6	7,032	6,065	500	430
Tractors and self-propelled farm machinery	14.5	18.6	16,034	17,913	1,140	1,270
Other farm machinery	14.8	17.3	6,259	6,911	445	490
Seeds and plants	67.9	72.3	27,848	26,939	1,980	1,910
Trucks and autos	12.1	16.0	2,883	3,597	205	255
Miscellaneous capital expenses	5.4	5.2	281	353	20	25
Total farm production expenditures	100.0	100.0	248,242	245,557	17,650	17,410

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.8	21.4	12,432	10,708	690	590
Feed	49.6	40.0	24,324	16,515	1,350	910
Farm services	87.4	83.7	18,559	18,875	1,030	1,040
Rent	31.6	30.7	28,468	30,853	1,580	1,700
Agricultural chemicals	52.6	45.8	10,450	14,156	580	780
Fertilizer, lime, and soil conditioners	65.3	67.5	18,919	25,771	1,050	1,420
Interest	41.2	34.1	6,216	5,808	345	320
Taxes	100.0	100.0	8,378	9,256	465	510
Labor	20.6	14.6	8,468	6,624	470	365
Fuel	75.0	84.3	5,766	6,534	320	360
Farm supplies and repairs	73.2	73.0	9,189	9,800	510	540
Farm improvements and construction	53.2	43.6	7,568	5,626	420	310
Tractors and self-propelled farm machinery	11.0	22.0	6,847	13,793	380	760
Other farm machinery	18.4	13.8	3,514	5,354	195	295
Seeds and plants	55.4	51.9	17,658	18,149	980	1,000
Trucks and autos	10.2	9.1	1,351	1,996	75	110
Miscellaneous capital expenses	3.5	6.6	360	635	20	35
Total farm production expenditures	100.0	100.0	188,468	200,454	10,460	11,045

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.0	21.6	53,059	62,309	4,510	5,290
Feed	34.8	34.5	69,412	92,815	5,900	7,880
Farm services	95.5	93.6	35,059	37,456	2,980	3,180
Rent	39.3	42.3	42,471	44,052	3,610	3,740
Agricultural chemicals	59.0	64.7	13,294	15,901	1,130	1,350
Fertilizer, lime, and soil conditioners	62.7	61.4	24,471	30,153	2,080	2,560
Interest	49.5	42.5	10,118	10,130	860	860
Taxes	100.0	100.0	11,882	13,192	1,010	1,120
Labor	23.5	22.8	9,294	11,896	790	1,010
Fuel	75.9	79.6	7,294	9,187	620	780
Farm supplies and repairs	73.0	76.3	12,824	13,192	1,090	1,120
Farm improvements and construction	55.0	50.2	7,882	10,365	670	880
Tractors and self-propelled farm machinery	18.3	16.2	8,471	14,723	720	1,250
Other farm machinery	20.7	17.4	4,118	6,596	350	560
Seeds and plants	59.5	67.6	23,647	24,264	2,010	2,060
Trucks and autos	14.0	14.7	2,176	3,592	185	305
Miscellaneous capital expenses	3.2	7.6	235	530	20	45
Total farm production expenditures	100.0	100.0	335,706	400,353	28,535	33,990

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	14.9	26.4	23,704	22,849	1,600	1,540
Feed	28.5	44.3	40,148	54,748	2,710	3,690
Farm services	96.8	90.0	31,111	28,635	2,100	1,930
Rent	36.9	41.6	29,778	30,564	2,010	2,060
Agricultural chemicals	55.7	59.0	11,852	12,463	800	840
Fertilizer, lime, and soil conditioners	57.1	61.3	21,481	25,964	1,450	1,750
Interest	39.6	44.1	9,778	8,012	660	540
Taxes	100.0	100.0	9,926	13,056	670	880
Labor	27.1	18.6	11,852	11,869	800	800
Fuel	74.9	87.4	8,444	9,644	570	650
Farm supplies and repairs	73.7	83.9	15,407	15,430	1,040	1,040
Farm improvements and construction	48.3	51.4	11,407	10,979	770	740
Tractors and self-propelled farm machinery	14.4	22.4	8,444	21,513	570	1,450
Other farm machinery	18.6	24.4	5,926	7,196	400	485
Seeds and plants	57.5	59.4	22,815	22,404	1,540	1,510
Trucks and autos	14.1	14.7	3,037	3,264	205	220
Miscellaneous capital expenses	4.3	8.6	296	668	20	45
Total farm production expenditures	100.0	100.0	265,407	299,258	17,915	20,170

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.9	27.5	7,789	8,632	740	820
Feed	62.4	56.3	10,526	17,368	1,000	1,650
Farm services	90.5	88.0	10,842	11,158	1,030	1,060
Rent	24.7	28.3	13,684	14,211	1,300	1,350
Agricultural chemicals	38.5	38.6	6,632	6,632	630	630
Fertilizer, lime, and soil conditioners	48.2	62.8	10,526	14,105	1,000	1,340
Interest	36.7	39.1	4,158	3,895	395	370
Taxes	100.0	100.0	3,895	4,000	370	380
Labor	18.3	20.0	4,211	3,947	400	375
Fuel	81.3	87.3	4,000	4,737	380	450
Farm supplies and repairs	71.4	80.5	6,526	6,526	620	620
Farm improvements and construction	50.7	44.2	7,158	4,526	680	430
Tractors and self-propelled farm machinery	14.5	13.3	6,842	6,947	650	660
Other farm machinery	12.0	12.3	2,158	2,684	205	255
Seeds and plants	32.7	36.4	8,316	9,684	790	920
Trucks and autos	13.6	10.6	2,526	2,579	240	245
Miscellaneous capital expenses	2.9	7.0	368	737	35	70
Total farm production expenditures	100.0	100.0	110,158	122,368	10,465	11,625

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.7	24.2	4,348	4,680	280	300
Feed	45.7	44.2	35,404	34,945	2,280	2,240
Farm services	88.6	89.6	22,981	24,649	1,480	1,580
Rent	40.2	31.6	9,006	8,580	580	550
Agricultural chemicals	51.4	56.5	4,969	5,616	320	360
Fertilizer, lime, and soil conditioners	64.7	61.6	11,801	15,445	760	990
Interest	34.7	35.0	6,832	6,396	440	410
Taxes	100.0	100.0	6,599	7,176	425	460
Labor	25.0	19.4	15,062	15,913	970	1,020
Fuel	78.7	82.4	4,969	6,396	320	410
Farm supplies and repairs	82.3	77.7	12,733	12,949	820	830
Farm improvements and construction	53.3	49.7	7,764	9,516	500	610
Tractors and self-propelled farm machinery	14.4	14.5	6,522	8,736	420	560
Other farm machinery	15.0	21.1	4,969	5,382	320	345
Seeds and plants	63.9	70.2	11,801	12,012	760	770
Trucks and autos	9.9	10.9	1,786	2,496	115	160
Miscellaneous capital expenses	5.5	8.9	388	702	25	45
Total farm production expenditures	100.0	100.0	167,935	181,591	10,815	11,640

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	48.0	26.0	7,482	9,601	930	1,180
Feed	52.7	41.9	20,998	19,609	2,610	2,410
Farm services	88.9	96.4	15,044	15,948	1,870	1,960
Rent	31.7	31.0	11,424	13,263	1,420	1,630
Agricultural chemicals	46.9	42.2	5,632	6,916	700	850
Fertilizer, lime, and soil conditioners	51.8	54.5	9,493	13,019	1,180	1,600
Interest	27.9	40.3	4,344	4,801	540	590
Taxes	100.0	100.0	6,516	6,265	810	770
Labor	14.0	18.6	12,068	11,880	1,500	1,460
Fuel	89.8	85.0	4,344	4,963	540	610
Farm supplies and repairs	87.5	81.2	9,332	10,008	1,160	1,230
Farm improvements and construction	57.9	39.9	7,241	7,079	900	870
Tractors and self-propelled farm machinery	9.6	14.1	5,471	11,554	680	1,420
Other farm machinery	13.2	17.1	2,936	6,021	365	740
Seeds and plants	49.0	53.6	11,987	11,554	1,490	1,420
Trucks and autos	7.4	16.0	1,810	2,156	225	265
Miscellaneous capital expenses	5.8	6.2	161	366	20	45
Total farm production expenditures	100.0	100.0	136,283	155,004	16,940	19,050

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.1	25.6	35,270	44,327	17,060	21,410
Feed	61.9	65.0	22,721	29,565	10,990	14,280
Farm services	86.6	89.1	17,966	18,820	8,690	9,090
Rent	30.6	29.9	14,968	19,048	7,240	9,200
Agricultural chemicals	44.7	45.6	7,567	8,468	3,660	4,090
Fertilizer, lime, and soil conditioners	48.7	47.4	11,515	14,576	5,570	7,040
Interest	25.5	24.7	4,734	4,141	2,290	2,000
Taxes	100.0	100.0	7,835	8,095	3,790	3,910
Labor	23.9	24.5	7,546	8,820	3,650	4,260
Fuel	81.7	79.1	5,561	6,729	2,690	3,250
Farm supplies and repairs	79.2	77.0	8,125	9,524	3,930	4,600
Farm improvements and construction	40.3	39.6	5,355	5,756	2,590	2,780
Tractors and self-propelled farm machinery	14.1	13.1	9,283	9,545	4,490	4,610
Other farm machinery	12.0	13.5	3,556	3,685	1,720	1,780
Seeds and plants	34.0	30.9	10,337	10,518	5,000	5,080
Trucks and autos	12.5	11.9	3,556	2,981	1,720	1,440
Miscellaneous capital expenses	5.7	7.3	538	735	260	355
Total farm production expenditures	100.0	100.0	176,432	205,331	85,340	99,175

Farm Production Expenditures Total by Year – Plains Region: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21,100	23,900	20,010	17,060	21,410
Feed	12,100	12,000	12,250	10,990	14,280
Farm services	9,250	9,300	9,050	8,690	9,090
Rent	7,880	7,470	7,680	7,240	9,200
Agricultural chemicals	3,740	3,640	3,620	3,660	4,090
Fertilizer, lime, and soil conditioners	5,260	5,670	5,420	5,570	7,040
Interest	2,310	2,420	2,500	2,290	2,000
Taxes	4,110	3,660	3,950	3,790	3,910
Labor	4,120	4,150	4,060	3,650	4,260
Fuel	2,950	3,050	2,780	2,690	3,250
Farm supplies and repairs	3,920	3,720	3,790	3,930	4,600
Farm improvements and construction	3,540	2,350	2,500	2,590	2,780
Tractors and self-propelled farm machinery	3,540	2,840	2,940	4,490	4,610
Other farm machinery	1,380	1,260	1,160	1,720	1,780
Seeds and plants	4,940	4,840	4,700	5,000	5,080
Trucks and autos	1,560	1,270	1,370	1,720	1,440
Miscellaneous capital expenses	200	205	150	260	355
Total farm production expenditures	91,900	91,745	87,930	85,340	99,175

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	31.6	27.1	93,654	115,358	5,460	6,760
Feed	46.4	51.2	42,367	66,041	2,470	3,870
Farm services	81.6	83.6	25,386	28,498	1,480	1,670
Rent	40.4	42.7	22,813	35,836	1,330	2,100
Agricultural chemicals	51.3	51.8	13,036	15,529	760	910
Fertilizer, lime, and soil conditioners	55.5	56.9	17,839	24,573	1,040	1,440
Interest	30.7	33.5	6,518	5,119	380	300
Taxes	100.0	100.0	8,748	9,556	510	560
Labor	24.0	21.2	10,978	11,945	640	700
Fuel	72.5	71.8	7,719	9,898	450	580
Farm supplies and repairs	72.9	70.5	10,806	13,823	630	810
Farm improvements and construction	38.8	35.1	5,317	8,020	310	470
Tractors and self-propelled farm machinery	16.2	17.1	9,949	16,041	580	940
Other farm machinery	14.5	17.6	3,602	5,205	210	305
Seeds and plants	42.1	45.1	14,408	14,164	840	830
Trucks and autos	15.1	18.1	3,259	4,437	190	260
Miscellaneous capital expenses	4.1	8.1	343	768	20	45
Total farm production expenditures	100.0	100.0	296,741	384,812	17,300	22,550

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.8	27.0	110,549	145,536	5,030	6,520
Feed	39.6	43.3	47,692	66,071	2,170	2,960
Farm services	87.6	89.4	40,879	45,536	1,860	2,040
Rent	52.2	51.7	53,626	66,295	2,440	2,970
Agricultural chemicals	66.0	64.8	18,901	23,214	860	1,040
Fertilizer, lime, and soil conditioners	64.8	61.2	30,330	40,625	1,380	1,820
Interest	53.8	47.4	11,429	9,375	520	420
Taxes	100.0	100.0	31,209	27,455	1,420	1,230
Labor	26.9	24.6	12,088	16,741	550	750
Fuel	77.4	80.4	10,110	16,295	460	730
Farm supplies and repairs	81.2	80.3	18,022	20,759	820	930
Farm improvements and construction	48.3	44.0	10,330	8,705	470	390
Tractors and self-propelled farm machinery	16.3	18.4	12,527	16,071	570	720
Other farm machinery	18.0	17.1	5,714	7,701	260	345
Seeds and plants	66.0	62.1	27,473	31,473	1,250	1,410
Trucks and autos	15.4	15.3	4,176	4,018	190	180
Miscellaneous capital expenses	8.3	13.0	659	1,451	30	65
Total farm production expenditures	100.0	100.0	445,714	547,321	20,280	24,520

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.1	18.7	18,907	22,996	4,670	5,680
Feed	74.2	75.0	16,194	20,931	4,000	5,170
Farm services	89.7	89.5	10,891	11,579	2,690	2,860
Rent	20.1	19.0	3,441	4,534	850	1,120
Agricultural chemicals	37.9	41.0	2,632	2,632	650	650
Fertilizer, lime, and soil conditioners	45.3	43.5	4,534	4,737	1,120	1,170
Interest	14.3	13.7	1,619	1,984	400	490
Taxes	100.0	100.0	3,765	4,534	930	1,120
Labor	23.1	22.4	5,911	7,530	1,460	1,860
Fuel	84.8	81.1	3,158	3,887	780	960
Farm supplies and repairs	81.5	75.9	4,008	4,737	990	1,170
Farm improvements and construction	42.1	34.9	3,846	4,049	950	1,000
Tractors and self-propelled farm machinery	13.8	9.7	5,830	4,777	1,440	1,180
Other farm machinery	10.1	7.5	1,296	1,255	320	310
Seeds and plants	24.8	19.4	3,684	3,239	910	800
Trucks and autos	9.4	6.4	2,105	1,336	520	330
Miscellaneous capital expenses	3.7	6.6	364	709	90	175
Total farm production expenditures	100.0	100.0	92,186	105,445	22,770	26,045

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.3	37.3	14,296	18,477	1,900	2,450
Feed	53.5	60.0	17,682	17,195	2,350	2,280
Farm services	82.8	90.7	20,015	19,005	2,660	2,520
Rent	38.5	37.4	19,714	22,700	2,620	3,010
Agricultural chemicals	47.3	45.0	10,459	11,237	1,390	1,490
Fertilizer, lime, and soil conditioners	46.4	45.6	15,275	19,683	2,030	2,610
Interest	34.5	33.8	7,449	5,958	990	790
Taxes	100.0	100.0	6,998	7,541	930	1,000
Labor	24.2	29.8	7,524	7,164	1,000	950
Fuel	81.4	78.0	7,524	7,391	1,000	980
Farm supplies and repairs	76.9	80.7	11,211	12,745	1,490	1,690
Farm improvements and construction	34.8	49.0	6,471	6,938	860	920
Tractors and self-propelled farm machinery	12.9	15.8	14,296	13,348	1,900	1,770
Other farm machinery	12.6	21.7	6,998	6,184	930	820
Seeds and plants	36.5	35.6	15,049	15,385	2,000	2,040
Trucks and autos	16.1	18.2	6,170	5,053	820	670
Miscellaneous capital expenses	9.3	6.2	903	528	120	70
Total farm production expenditures	100.0	100.0	188,036	196,531	24,990	26,060

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.7	27.2	15,248	10,443	4,720	3,230
Feed	50.5	50.4	35,471	40,188	10,980	12,430
Farm services	90.2	93.3	44,872	47,785	13,890	14,780
Rent	23.9	23.4	15,894	14,452	4,920	4,470
Agricultural chemicals	37.9	34.4	13,568	13,029	4,200	4,030
Fertilizer, lime, and soil conditioners	40.5	40.6	14,860	17,491	4,600	5,410
Interest	26.7	21.3	6,558	6,014	2,030	1,860
Taxes	96.5	97.7	8,270	9,311	2,560	2,880
Labor	33.5	29.9	65,224	60,136	20,190	18,600
Fuel	79.9	80.3	7,818	8,729	2,420	2,700
Farm supplies and repairs	78.0	81.0	15,054	14,840	4,660	4,590
Farm improvements and construction	48.4	47.7	12,728	13,094	3,940	4,050
Tractors and self-propelled farm machinery	13.1	12.7	5,686	7,371	1,760	2,280
Other farm machinery	9.7	12.5	2,455	3,039	760	940
Seeds and plants	30.1	29.0	10,919	10,572	3,380	3,270
Trucks and autos	12.6	11.1	3,134	3,071	970	950
Miscellaneous capital expenses	5.2	7.0	388	614	120	190
Total farm production expenditures	100.0	100.0	278,146	280,181	86,100	86,660

Farm Production Expenditures Total by Year – West Region: 2017-2021

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

Expenditure	2017	2018	2019	2020	2021
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,670	4,510	4,080	4,720	3,230
Feed	9,600	9,900	10,980	10,980	12,430
Farm services	12,710	13,400	12,720	13,890	14,780
Rent	4,740	4,210	4,890	4,920	4,470
Agricultural chemicals	3,560	3,380	3,650	4,200	4,030
Fertilizer, lime, and soil conditioners	4,080	4,020	4,070	4,600	5,410
Interest	1,970	1,820	2,140	2,030	1,860
Taxes	2,190	2,220	2,430	2,560	2,880
Labor	18,550	16,930	18,120	20,190	18,600
Fuel	2,440	2,360	2,790	2,420	2,700
Farm supplies and repairs	4,450	3,640	4,240	4,660	4,590
Farm improvements and construction	3,250	3,240	2,950	3,940	4,050
Tractors and self-propelled farm machinery	1,950	1,540	1,670	1,760	2,280
Other farm machinery	800	570	640	760	940
Seeds and plants	3,690	3,400	3,230	3,380	3,270
Trucks and autos	1,030	860	820	970	950
Miscellaneous capital expenses	100	150	100	120	190
Total farm production expenditures	78,780	76,150	79,520	86,100	86,660

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.6	19.2	17,098	12,319	1,190	850
Feed	30.3	24.6	61,494	72,174	4,280	4,980
Farm services	93.9	95.5	110,345	127,971	7,680	8,830
Rent	24.7	18.8	31,322	26,232	2,180	1,810
Agricultural chemicals	48.9	49.1	34,052	32,029	2,370	2,210
Fertilizer, lime, and soil conditioners	54.3	62.0	31,178	34,203	2,170	2,360
Interest	25.8	23.6	11,638	12,899	810	890
Taxes	100.0	100.0	18,966	21,159	1,320	1,460
Labor	55.0	50.4	180,460	160,870	12,560	11,100
Fuel	81.6	80.0	14,368	15,942	1,000	1,100
Farm supplies and repairs	83.1	78.3	26,437	27,246	1,840	1,880
Farm improvements and construction	47.4	39.3	26,006	27,536	1,810	1,900
Tractors and self-propelled farm machinery	13.4	10.0	8,046	8,986	560	620
Other farm machinery	8.8	11.3	3,017	2,754	210	190
Seeds and plants	32.2	33.5	23,563	24,638	1,640	1,700
Trucks and autos	10.3	9.4	3,592	3,261	250	225
Miscellaneous capital expenses	6.7	7.3	575	870	40	60
Total farm production expenditures	100.0	100.0	602,155	611,087	41,910	42,165

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2020 and 2021

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

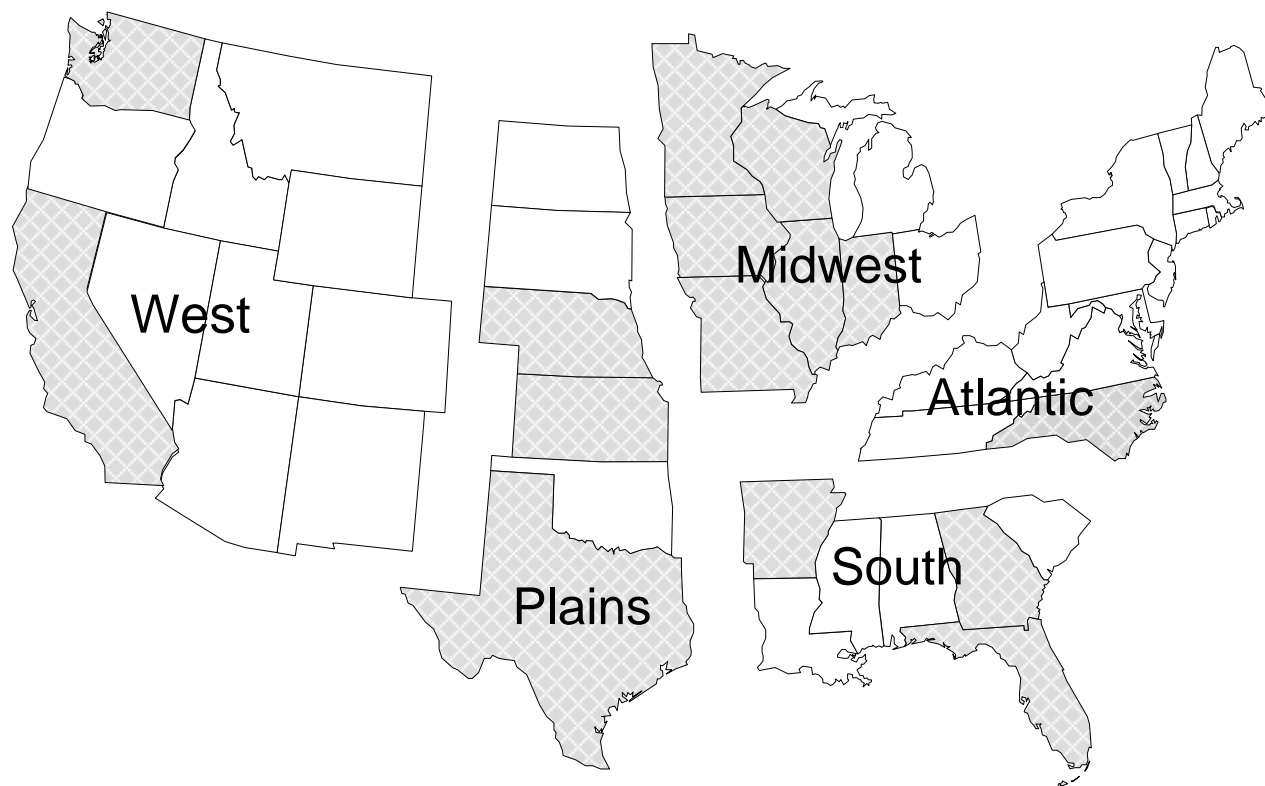
Expenditure	Farms reporting		Average per farm		Total expenditures	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.4	23.5	11,831	13,314	420	470
Feed	48.8	49.7	24,225	31,728	860	1,120
Farm services	85.4	89.7	43,662	32,578	1,550	1,150
Rent	20.7	17.5	19,718	14,448	700	510
Agricultural chemicals	36.5	41.1	17,746	14,731	630	520
Fertilizer, lime, and soil conditioners	41.1	42.1	14,366	15,297	510	540
Interest	24.3	22.7	5,070	4,816	180	170
Taxes	100.0	100.0	8,451	7,365	300	260
Labor	24.6	25.9	72,394	64,306	2,570	2,270
Fuel	79.1	78.2	7,324	7,365	260	260
Farm supplies and repairs	79.0	78.0	14,930	14,731	530	520
Farm improvements and construction	42.8	51.2	11,831	13,314	420	470
Tractors and self-propelled farm machinery	12.5	14.8	7,042	6,516	250	230
Other farm machinery	9.2	11.1	2,535	2,550	90	90
Seeds and plants	30.4	33.4	9,014	9,632	320	340
Trucks and autos	11.8	13.2	2,535	3,541	90	125
Miscellaneous capital expenses	3.1	6.0	282	567	10	20
Total farm production expenditures	100.0	100.0	272,958	256,799	9,690	9,065

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	30.0	30.6	15,212	9,317	3,110	1,910
Feed	57.7	59.1	28,564	30,878	5,840	6,330
Farm services	89.8	93.1	22,793	23,415	4,660	4,800
Rent	24.2	26.0	9,978	10,488	2,040	2,150
Agricultural chemicals	34.5	28.3	5,869	6,341	1,200	1,300
Fertilizer, lime, and soil conditioners	35.8	33.1	9,391	12,244	1,920	2,510
Interest	27.5	20.2	5,087	3,902	1,040	800
Taxes	94.7	96.5	4,598	5,659	940	1,160
Labor	27.8	23.6	24,749	25,512	5,060	5,230
Fuel	79.5	80.8	5,674	6,537	1,160	1,340
Farm supplies and repairs	76.1	82.5	11,201	10,683	2,290	2,190
Farm improvements and construction	49.7	49.9	8,364	8,195	1,710	1,680
Tractors and self-propelled farm machinery	13.1	13.2	4,647	6,976	950	1,430
Other farm machinery	10.0	13.1	2,250	3,220	460	660
Seeds and plants	29.4	26.8	6,945	6,000	1,420	1,230
Trucks and autos	13.6	11.3	3,081	2,927	630	600
Miscellaneous capital expenses	5.0	7.0	342	537	70	110
Total farm production expenditures	100.0	100.0	168,745	172,829	34,500	35,430

Farm Production Expenditure Regions



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

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

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

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

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

¹ Estimate State (shaded on map)

Program History

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Statistical Methodology

Survey: The 2021 Agricultural Resource Management Survey

Publication: *Farm Production Expenditures 2021 Summary* was released on July 29, 2022.

Data Collection: The Agricultural Resource Management Survey (ARMS III) was conducted January through May of 2022.

Sampling: ARMS III is a multi-frame survey, which utilizes a list frame (OL)/area frame (NOL) design. The list frame typically represents the larger, more specialized operations contributing the greater portion of the data expansions. The area frame provides coverage for the 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 a large number of 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 2021 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 2021 sample was 39,401 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 2021, there was three COP commodities: Corn, Rice, and Dairy. The states involved for this year were:

California, Idaho, Oregon, Washington, Arizona, Colorado, New Mexico, Utah, Texas, Kansas, Nebraska, North Dakota, South Dakota, Arkansas, Louisiana, Mississippi, Illinois, Missouri, Iowa, Minnesota, Wisconsin, Indiana, Michigan, Ohio, Florida, Georgia, Kentucky, North Carolina, Tennessee, Virginia, Main, New York, Pennsylvania, Vermont.

Terms and Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

Statistical Procedures

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

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

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

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

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

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

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

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

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

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

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

Information Contacts

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

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Michael Mathison – Cash Rents, Farms, Land in Farms, Grazing Fees	(202) 720-3243
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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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

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