



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 1949-0895

Farm Production Expenditures 2020 Summary

July 2021

USDA



Contents

2020 United States Farm Production Expenditure Highlights	5
Farm Production Expenditures, Total, and Average per Farm by Year – United States: 2011-2020 Chart	6
Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2019 and 2020	7
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	7
Farm Production Expenditures by Year – United States: 2016-2020	8
Farm Production Expenditures by Percent of Total – United States: 2016-2020	8
Crop Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	9
Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	9
Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2019 and 2020	10
Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	10
Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	11
Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	11
Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	12
Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	12
Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	13
Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	13
Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020	14
Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2019 and 2020	15
Farm Production Expenditures – Region, State, and United States: 2019 and 2020	16
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2019 and 2020	25
Farm Production Expenditures Total by Year – Atlantic Region: 2016-2020	25
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2019 and 2020	26
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2019 and 2020	26
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2019 and 2020	27
Farm Production Expenditures Total by Year – South Region: 2016-2020	27
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2019 and 2020	28
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2019 and 2020	28
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2019 and 2020	29
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2019 and 2020	29
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2019 and 2020	30
Farm Production Expenditures Total by Year – Midwest Region: 2016-2020	30
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2019 and 2020	31
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2019 and 2020	31

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2019 and 2020.....	32
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2019 and 2020	32
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2019 and 2020.....	33
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2019 and 2020	33
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2019 and 2020.....	34
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2019 and 2020	35
Farm Production Expenditures Total by Year – Plains Region: 2016-2020.....	35
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2019 and 2020	36
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2019 and 2020.....	36
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2019 and 2020	37
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2019 and 2020	37
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2019 and 2020.....	38
Farm Production Expenditures Total by Year – West Region: 2016-2020.....	38
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2019 and 2020.....	39
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2019 and 2020.....	39
Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2019 and 2020.....	40
Farm Production Expenditures Regions – Map.....	41
Program History	42
Statistical Methodology.....	44
Terms and Definitions.....	45
Statistical Procedures.....	46
Information Contacts.....	48

2020 United States Total Farm Production Expenditure Highlights

Farm production expenditures in the United States are estimated at \$366.2 billion for 2020, up from \$357.8 billion in 2019. The 2020 total farm production expenditures are up 2.3 percent compared with 2019 total farm production expenditures. For the 17-line items, thirteen showed an increase from previous year, while four showed a decrease.

The four largest expenditures at the United States level total \$177.8 billion and account for 48.5 percent of total expenditures in 2020. These include feed, 15.5 percent, farm services, 12.2 percent, livestock, poultry, and related expenses, 10.8 percent, and labor, 10.0 percent.

In 2020, the United States total farm expenditure average per farm is \$182,130, up 2.6 percent from \$177,564 in 2019. On average, United States farm operations spent \$28,250 on feed, \$19,695 on livestock, poultry, and related expenses, \$22,232 on farm services, and \$18,253 on labor. For 2019, United States farms spent an average of \$29,478 on feed, \$21,240 on farm services, \$21,240 on livestock, poultry, and related expenses, and \$17,270 on labor.

Total fuel expense is \$11.1 billion. Diesel, the largest sub-component, is \$7.1 billion, accounting for 64.0 percent. Diesel expenditures are down 10.1 percent from the previous year. Gasoline is \$2.0 billion, down 11.6 percent. LP gas is \$1.3 billion, down 11.0 percent. Other fuel is \$730 million, up 2.8 percent.

The United States economic sales class contributing most to the 2020 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$116.4 billion, 31.8 percent of the United States total, up 2.4 percent from the 2019 level of \$113.7 billion. The next highest is the \$5,000,000 and over class with \$97.9 billion, unchanged from \$97.9 billion in 2019.

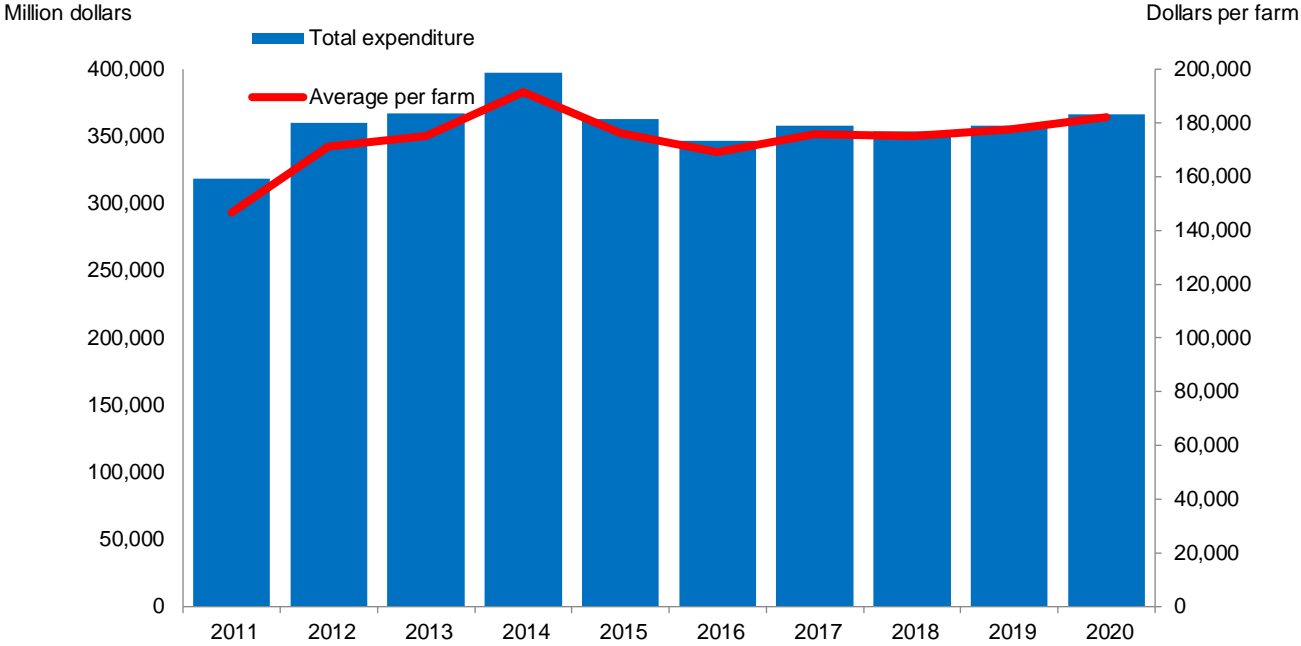
In 2020, crop farms expenditures increased to \$195.5 billion, up 7.6 percent, while livestock farms expenditures decreased to \$170.7 billion, down 3.1 percent. The largest expenditures for crop farms are labor at \$27.0 billion (13.8 percent), farm services at \$26.2 billion (13.4 percent), and rent at \$25.1 billion (12.8 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$56.4 billion, accounting for 28.9 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$55.2 billion (32.3 percent of total), livestock, poultry, and related expenses at \$38.0 billion (22.3 percent), and farm services at \$18.5 billion (10.8 percent). Together, these line items account for 65.4 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$208,571 compared to \$160,203 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$112.8 billion (30.8 percent), up from \$111.5 billion in 2019. Other regions, ranked by total expenditures, are the West at \$86.1 billion (23.5 percent), Plains at \$85.3 billion (23.3 percent), Atlantic at \$44.2 billion (12.1 percent), and South at \$37.8 billion (10.3 percent). The Plains decreased \$2.59 billion from 2019, which is the largest regional decrease.

Combined total expenditures for the 15 estimate states is \$242.3 billion in 2020 (66.2 percent of the United States total expenditures) and \$242.2 billion in 2019 (67.7 percent). California contributed most to the 2020 United States total expenditures, with expenses of \$41.9 billion, (11.4 percent). California expenditures are down 1.8 percent from the 2019 estimate of \$42.7 billion. Iowa, the next leading state, has \$28.5 billion in expenses, (7.8 percent). Other states with more than \$20 billion in total expenditures are Texas with \$22.8 billion and Nebraska with \$20.3 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: 2011-2020



Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2019 and 2020

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

Expenditure	2019		2020	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry, and related expenses	42,800	12.0	39,600	10.8
Feed	59,400	16.6	56,800	15.5
Farm services	42,800	12.0	44,700	12.2
Rent	29,700	8.3	30,100	8.2
Agricultural chemicals	15,500	4.3	16,500	4.5
Fertilizer, lime, and soil conditioners	22,300	6.2	24,400	6.7
Interest	10,500	2.9	9,900	2.7
Taxes	13,400	3.7	14,100	3.9
Labor	34,800	9.7	36,700	10.0
Fuel	12,300	3.4	11,100	3.0
Farm supplies and repairs	17,600	4.9	19,400	5.3
Farm improvements and construction	13,500	3.8	14,400	3.9
Tractors and self-propelled farm machinery	11,900	3.3	13,700	3.7
Other farm machinery	5,100	1.4	6,000	1.6
Seeds and plants	21,200	5.9	23,000	6.3
Trucks and autos	4,430	1.2	5,100	1.4
Miscellaneous capital expenses	570	0.2	700	0.2
Total farm production expenditures	357,800	100.0	366,200	100.0

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.7	26.1	21,240	19,695	42,800	39,600
Feed	53.0	53.6	29,478	28,250	59,400	56,800
Farm services	90.0	88.5	21,240	22,232	42,800	44,700
Rent	28.0	27.7	14,739	14,970	29,700	30,100
Agricultural chemicals	41.8	45.2	7,692	8,206	15,500	16,500
Fertilizer, lime, and soil conditioners	48.6	51.1	11,067	12,135	22,300	24,400
Interest	29.8	28.7	5,211	4,924	10,500	9,900
Taxes	99.6	99.4	6,650	7,013	13,400	14,100
Labor	23.0	23.0	17,270	18,253	34,800	36,700
Fuel	81.5	81.3	6,104	5,521	12,300	11,100
Farm supplies and repairs	77.8	78.5	8,734	9,649	17,600	19,400
Farm improvements and construction	44.5	48.9	6,700	7,162	13,500	14,400
Tractors and self-propelled farm machinery	13.0	13.4	5,906	6,814	11,900	13,700
Other farm machinery	13.3	13.3	2,531	2,984	5,100	6,000
Seeds and plants	37.2	38.3	10,521	11,439	21,200	23,000
Trucks and autos	11.0	11.2	2,198	2,536	4,430	5,100
Miscellaneous capital expenses	4.3	4.6	283	348	570	700
Total farm production expenditures	100.0	100.0	177,564	182,130	357,800	366,200

Farm Production Expenditures by Year – United States: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	40,000	41,600	46,300	42,800	39,600
Feed	55,600	54,500	53,800	59,400	56,800
Farm services	41,700	43,100	44,100	42,800	44,700
Rent	29,800	29,700	28,800	29,700	30,100
Agricultural chemicals	15,200	15,700	15,400	15,500	16,500
Fertilizer, lime, and soil conditioners	23,500	22,000	23,200	22,300	24,400
Interest	9,100	9,700	9,800	10,500	9,900
Taxes	11,900	12,700	12,800	13,400	14,100
Labor	34,100	36,000	33,900	34,800	36,700
Fuel	11,300	11,900	12,300	12,300	11,100
Farm supplies and repairs	17,600	18,000	17,200	17,600	19,400
Farm improvements and construction	14,500	16,200	12,700	13,500	14,400
Tractors and self-propelled farm machinery	10,600	12,500	11,300	11,900	13,700
Other farm machinery	5,000	5,700	5,200	5,100	6,000
Seeds and plants	21,800	22,500	21,900	21,200	23,000
Trucks and autos	4,400	5,400	4,610	4,430	5,100
Miscellaneous capital expenses	800	600	690	570	700
Total farm production expenditures	346,900	357,800	354,000	357,800	366,200

Farm Production Expenditures by Percent of Total – United States: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry, and related expenses	11.5	11.6	13.1	12.0	10.8
Feed	16.0	15.2	15.2	16.6	15.5
Farm services	12.0	12.0	12.5	12.0	12.2
Rent	8.6	8.3	8.1	8.3	8.2
Agricultural chemicals	4.4	4.4	4.4	4.3	4.5
Fertilizer, lime, and soil conditioners	6.8	6.1	6.6	6.2	6.7
Interest	2.6	2.7	2.8	2.9	2.7
Taxes	3.4	3.5	3.6	3.7	3.9
Labor	9.8	10.1	9.6	9.7	10.0
Fuel	3.3	3.3	3.5	3.4	3.0
Farm supplies and repairs	5.1	5.0	4.9	4.9	5.3
Farm improvements and construction	4.2	4.5	3.6	3.8	3.9
Tractors and self-propelled farm machinery	3.1	3.5	3.2	3.3	3.7
Other farm machinery	1.4	1.6	1.5	1.4	1.6
Seeds and plants	6.3	6.3	6.2	5.9	6.3
Trucks and autos	1.3	1.5	1.3	1.2	1.4
Miscellaneous capital expenses	0.2	0.2	0.2	0.2	0.2
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: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	10.3	10.0	2,119	1,698	2,000	1,600
Feed	16.5	16.6	1,589	1,698	1,500	1,600
Farm services	85.8	84.1	25,428	27,798	24,000	26,200
Rent	29.1	28.9	26,488	26,631	25,000	25,100
Agricultural chemicals	53.0	53.5	14,727	15,915	13,900	15,000
Fertilizer, lime, and soil conditioners	59.9	58.6	20,025	22,175	18,900	20,900
Interest	29.7	29.8	5,933	6,260	5,600	5,900
Taxes	99.6	99.7	9,006	9,443	8,500	8,900
Labor	24.8	23.4	26,912	29,814	25,400	27,000
Fuel	77.8	76.6	8,158	7,427	7,700	7,000
Farm supplies and repairs	72.3	73.8	11,337	12,626	10,700	11,900
Farm improvements and construction	40.7	43.0	6,781	8,170	6,400	7,700
Tractors and self-propelled farm machinery	13.3	12.9	8,052	9,761	7,600	9,200
Other farm machinery	13.3	14.0	3,232	4,212	3,050	3,970
Seeds and plants	52.3	51.1	20,025	21,750	18,900	20,500
Trucks and autos	11.6	11.7	2,405	2,918	2,270	2,750
Miscellaneous capital expenses	3.3	3.5	233	276	220	260
Total farm production expenditures	100.0	100.0	192,451	208,571	181,640	195,480

Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	37.4	40.4	38,087	35,576	40,800	38,000
Feed	85.2	86.2	54,050	51,679	57,900	55,200
Farm services	93.7	92.4	17,550	17,320	18,800	18,500
Rent	27.0	26.7	4,388	4,681	4,700	5,000
Agricultural chemicals	32.0	38.0	1,494	1,404	1,600	1,500
Fertilizer, lime, and soil conditioners	38.7	44.5	3,174	3,277	3,400	3,500
Interest	29.9	27.8	4,574	3,745	4,900	4,000
Taxes	99.5	99.2	4,574	4,868	4,900	5,200
Labor	21.5	22.6	8,775	9,456	9,400	9,700
Fuel	84.8	85.4	4,294	3,838	4,600	4,100
Farm supplies and repairs	82.6	82.8	6,441	7,022	6,900	7,500
Farm improvements and construction	47.8	54.0	6,628	6,273	7,100	6,700
Tractors and self-propelled farm machinery	12.8	13.8	4,014	4,213	4,300	4,500
Other farm machinery	13.3	12.7	1,914	1,900	2,050	2,030
Seeds and plants	23.9	27.0	2,147	2,341	2,300	2,500
Trucks and autos	10.3	10.8	2,016	2,200	2,160	2,350
Miscellaneous capital expenses	5.1	5.5	327	412	350	440
Total farm production expenditures	100.0	100.0	164,447	160,203	176,160	170,720

Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000	4.5	5.1	15,684	18,192	16,150	18,350
\$10,000 - \$49,999	4.7	4.8	34,958	37,152	16,700	17,530
\$50,000 - \$99,999	3.2	3.2	86,221	86,299	11,620	11,670
\$100,000 - \$249,999	6.4	6.4	170,280	173,720	23,010	23,240
\$250,000 - \$499,999	8.9	8.6	359,241	357,808	31,800	31,690
\$500,000 - \$999,999	13.1	13.5	660,476	697,550	46,940	49,380
\$1,000,000 - \$4,999,999	31.8	31.7	1,640,352	1,682,744	113,660	116,430
\$5,000,000 and over	27.4	26.8	11,051,919	11,142,373	97,920	97,910
Total farm production expenditures	100.0	100.0	177,564	182,130	357,800	366,200

Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	17.2	21.0	388	457	400	470
Feed	51.8	52.7	1,457	1,674	1,500	1,720
Farm services	84.2	81.7	1,797	2,385	1,850	2,450
Rent	10.1	8.8	253	195	260	200
Agricultural chemicals	23.3	26.7	146	156	150	160
Fertilizer, lime, and soil conditioners	32.1	33.2	379	457	390	470
Interest	15.5	16.1	709	847	730	870
Taxes	99.2	99.1	2,273	2,784	2,340	2,860
Labor	12.1	12.2	379	895	390	580
Fuel	72.5	72.8	767	730	790	750
Farm supplies and repairs	68.3	68.7	1,088	1,421	1,120	1,460
Farm improvements and construction	36.1	40.2	2,719	2,531	2,800	2,600
Tractors and self-propelled farm machinery	9.2	8.7	1,486	1,333	1,530	1,370
Other farm machinery	7.5	7.4	495	389	510	400
Seeds and plants	20.2	20.2	262	360	270	370
Trucks and autos	7.3	8.0	942	1,304	970	1,340
Miscellaneous capital expenses	3.3	3.8	146	273	150	280
Total farm production expenditures	100.0	100.0	15,684	18,192	16,150	18,350

Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.1	26.0	1,570	1,556	750	740
Feed	57.9	58.4	2,931	3,028	1,400	1,440
Farm services	92.4	91.6	4,898	4,710	2,340	2,240
Rent	26.3	26.4	1,319	1,346	630	640
Agricultural chemicals	41.8	46.6	754	799	360	380
Fertilizer, lime, and soil conditioners	50.3	54.1	1,800	2,124	860	1,010
Interest	26.3	24.0	1,403	1,325	670	630
Taxes	99.8	99.6	4,040	3,469	1,930	1,650
Labor	19.0	19.5	1,444	1,577	690	610
Fuel	85.1	82.9	1,696	1,682	810	800
Farm supplies and repairs	79.9	80.4	2,742	2,859	1,310	1,360
Farm improvements and construction	43.0	50.0	3,412	3,848	1,630	1,830
Tractors and self-propelled farm machinery	12.7	13.7	2,952	3,848	1,410	1,830
Other farm machinery	12.8	11.7	1,047	1,514	500	720
Seeds and plants	33.7	36.6	1,109	1,240	530	590
Trucks and autos	9.8	10.5	1,591	1,976	760	940
Miscellaneous capital expenses	3.5	3.8	251	252	120	120
Total farm production expenditures	100.0	100.0	34,958	37,152	16,700	17,530

Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	34.0	28.9	4,452	3,617	600	490
Feed	50.0	51.5	5,194	5,906	700	800
Farm services	98.4	98.2	12,391	12,476	1,670	1,690
Rent	50.2	52.6	5,342	5,832	720	790
Agricultural chemicals	67.7	71.9	3,562	3,691	480	500
Fertilizer, lime, and soil conditioners	71.2	81.7	6,233	7,235	840	980
Interest	45.6	35.3	3,413	2,953	460	400
Taxes	100.0	100.0	6,010	6,275	810	850
Labor	33.2	31.8	5,417	5,020	730	660
Fuel	92.1	93.3	4,452	3,691	600	500
Farm supplies and repairs	89.5	93.0	6,010	6,570	810	890
Farm improvements and construction	59.1	55.5	6,455	5,611	870	760
Tractors and self-propelled farm machinery	21.2	16.6	7,420	5,537	1,000	750
Other farm machinery	19.1	20.2	1,855	3,027	250	410
Seeds and plants	59.3	64.7	5,120	5,537	690	750
Trucks and autos	14.9	11.6	2,449	2,879	330	390
Miscellaneous capital expenses	5.2	5.3	445	443	60	60
Total farm production expenditures	100.0	100.0	86,221	86,299	11,620	11,670

Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.3	32.5	9,250	7,411	1,250	1,000
Feed	48.6	48.1	12,950	11,858	1,750	1,600
Farm services	99.6	100.0	23,533	24,679	3,180	3,330
Rent	65.3	69.5	16,725	16,453	2,260	2,220
Agricultural chemicals	79.1	80.7	8,880	8,894	1,200	1,200
Fertilizer, lime, and soil conditioners	81.8	86.8	14,801	16,453	2,000	2,220
Interest	55.9	58.6	6,512	6,374	880	860
Taxes	100.0	100.0	9,176	10,302	1,240	1,390
Labor	39.6	39.2	11,174	11,413	1,510	1,340
Fuel	94.9	96.7	8,066	8,152	1,090	1,100
Farm supplies and repairs	95.7	96.7	12,802	13,711	1,730	1,850
Farm improvements and construction	56.8	60.0	7,400	9,561	1,000	1,290
Tractors and self-propelled farm machinery	15.1	16.3	7,104	6,892	960	930
Other farm machinery	21.6	21.2	4,292	3,632	580	490
Seeds and plants	78.5	79.7	13,913	14,007	1,880	1,890
Trucks and autos	15.3	15.0	3,256	3,557	440	480
Miscellaneous capital expenses	7.2	5.5	444	371	60	50
Total farm production expenditures	100.0	100.0	170,280	173,720	23,010	23,240

Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	36.4	37.1	15,816	16,682	1,400	1,470
Feed	48.2	48.2	24,627	26,555	2,180	2,340
Farm services	100.0	100.0	49,254	45,279	4,360	3,990
Rent	75.4	73.2	45,300	41,988	4,010	3,700
Agricultural chemicals	89.3	86.7	22,707	21,335	2,010	1,880
Fertilizer, lime, and soil conditioners	90.5	88.1	34,568	34,612	3,060	3,050
Interest	69.3	68.6	14,347	14,072	1,270	1,240
Taxes	100.0	99.8	16,719	16,909	1,480	1,490
Labor	51.0	49.8	24,853	23,604	2,200	2,240
Fuel	98.9	99.0	15,929	13,050	1,410	1,150
Farm supplies and repairs	98.0	98.9	21,464	25,079	1,900	2,210
Farm improvements and construction	61.3	70.8	13,782	13,731	1,220	1,210
Tractors and self-propelled farm machinery	18.0	22.6	10,732	18,157	950	1,600
Other farm machinery	30.1	28.7	8,360	8,284	740	730
Seeds and plants	83.9	83.8	35,020	31,775	3,100	2,800
Trucks and autos	20.5	24.4	5,084	6,128	450	540
Miscellaneous capital expenses	8.2	7.5	678	567	60	50
Total farm production expenditures	100.0	100.0	359,241	357,808	31,800	31,690

Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	43.0	40.9	53,468	58,153	3,800	4,130
Feed	50.6	50.1	62,896	60,546	4,470	4,300
Farm services	99.8	100.0	80,203	83,075	5,700	5,900
Rent	75.6	78.5	85,831	87,299	6,100	6,200
Agricultural chemicals	86.4	90.4	40,805	43,368	2,900	3,080
Fertilizer, lime, and soil conditioners	84.0	88.0	60,082	65,756	4,270	4,670
Interest	77.0	70.6	20,262	22,529	1,440	1,600
Taxes	100.0	100.0	25,468	25,627	1,810	1,820
Labor	62.8	62.0	44,745	51,112	3,180	3,470
Fuel	99.8	98.6	26,593	23,233	1,890	1,650
Farm supplies and repairs	97.8	98.1	36,443	38,017	2,590	2,700
Farm improvements and construction	70.2	72.0	19,558	22,951	1,390	1,630
Tractors and self-propelled farm machinery	24.1	30.6	26,593	35,624	1,890	2,530
Other farm machinery	31.2	37.8	12,241	14,785	870	1,050
Seeds and plants	84.0	84.1	57,267	58,012	4,070	4,120
Trucks and autos	25.5	21.8	7,457	6,618	530	470
Miscellaneous capital expenses	5.2	9.6	563	845	40	60
Total farm production expenditures	100.0	100.0	660,476	697,550	46,940	49,380

Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	54.8	52.4	202,049	174,729	14,000	12,100
Feed	59.4	57.1	291,528	313,357	20,200	21,700
Farm services	100.0	100.0	193,390	192,058	13,400	13,300
Rent	74.1	73.0	163,083	166,065	11,300	11,500
Agricultural chemicals	82.4	86.2	83,706	88,087	5,800	6,100
Fertilizer, lime, and soil conditioners	80.2	79.4	112,570	124,188	7,800	8,600
Interest	79.3	76.9	49,791	42,744	3,450	2,960
Taxes	100.0	100.0	38,967	42,599	2,700	2,950
Labor	76.1	76.2	158,753	163,177	11,000	11,200
Fuel	99.5	99.7	53,110	47,653	3,680	3,300
Farm supplies and repairs	98.1	98.7	73,604	77,978	5,100	5,400
Farm improvements and construction	74.7	77.8	37,812	38,845	2,620	2,690
Tractors and self-propelled farm machinery	31.6	35.1	47,915	52,563	3,320	3,640
Other farm machinery	32.8	33.4	19,628	23,971	1,360	1,660
Seeds and plants	76.7	77.0	102,468	124,188	7,100	8,600
Trucks and autos	26.7	24.8	10,968	9,675	760	670
Miscellaneous capital expenses	9.4	7.9	1,010	866	70	60
Total farm production expenditures	100.0	100.0	1,640,352	1,682,744	113,660	116,430

Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	63.7	52.3	2,325,056	2,169,492	20,600	19,200
Feed	64.6	60.8	3,069,977	2,587,571	27,200	22,900
Farm services	100.0	100.0	1,162,528	1,333,333	10,300	11,800
Rent	70.6	64.5	498,871	548,023	4,420	4,850
Agricultural chemicals	80.9	84.4	293,454	361,582	2,600	3,200
Fertilizer, lime, and soil conditioners	77.2	74.0	347,630	384,181	3,080	3,400
Interest	79.7	78.3	180,587	151,412	1,600	1,340
Taxes	100.0	100.0	123,025	123,164	1,090	1,090
Labor	91.8	89.7	1,704,289	1,954,802	15,100	16,600
Fuel	98.2	99.3	229,120	209,040	2,030	1,850
Farm supplies and repairs	97.1	99.1	343,115	398,870	3,040	3,530
Farm improvements and construction	81.2	84.1	222,348	270,056	1,970	2,390
Tractors and self-propelled farm machinery	36.7	43.5	94,808	118,644	840	1,050
Other farm machinery	33.5	38.0	32,731	61,017	290	540
Seeds and plants	75.8	71.7	401,806	438,418	3,560	3,880
Trucks and autos	30.4	36.3	21,445	30,508	190	270
Miscellaneous capital expenses	11.0	8.7	1,129	2,260	10	20
Total farm production expenditures	100.0	100.0	11,051,919	11,142,373	97,920	97,910

Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2019 and 2020

[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		
	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020	
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms	7,700	7,000	5,300	4,700	1,260	1,150	740	690	400	460	
Livestock farms	4,600	4,100	2,600	2,400	980	830	710	600	310	270	

Economic class	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000	790	750	440	450	270	240	60	30	20	30
\$10,000 - \$49,999	810	800	510	520	230	220	50	50	20	10
\$50,000 - \$99,999	600	500	380	330	160	120	50	40	10	10
\$100,000 - \$249,999	1,090	1,100	710	750	230	190	110	120	40	40
\$250,000 - \$499,999	1,410	1,150	940	750	250	220	180	130	40	50
\$500,000 - \$999,999	1,890	1,650	1,250	1,140	310	240	220	200	110	70
\$1,000,000 - \$4,999,999	3,680	3,300	2,390	2,060	460	450	560	490	270	300
\$5,000,000 and over	2,030	1,850	1,280	1,100	330	300	220	230	200	220

Region	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2019	2020	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic	1,550	1,420	910	870	300	265	200	185	140	100
South	1,450	1,300	890	820	300	230	170	180	90	70
Midwest	3,730	3,270	2,270	2,120	500	420	750	580	210	150
Plains	2,780	2,690	1,930	1,760	530	485	170	165	150	280
West	2,790	2,420	1,900	1,530	610	580	160	180	120	130
United States	12,300	11,100	7,900	7,100	2,240	1,980	1,450	1,290	710	730

Farm Production Expenditures – Region, State, and United States: 2019 and 2020

[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			
	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic						
North Carolina	11,595	11,520	2,460	2,020	21.2	17.5
Other States	30,530	32,670	2,200	2,080	7.2	6.4
Total	42,125	44,190	4,660	4,100	11.1	9.3
South						
Arkansas	8,570	8,110	1,050	1,220	12.3	15.0
Florida	6,070	7,750	120	100	2.0	1.3
Georgia	7,385	7,160	1,110	1,170	15.0	16.3
Other States	14,740	14,770	1,500	1,850	10.2	12.5
Total	36,765	37,790	3,780	4,340	10.3	11.5
Midwest						
Illinois	15,595	17,650	560	630	3.6	3.6
Indiana	10,355	10,460	700	690	6.8	6.6
Iowa	30,380	28,535	4,940	4,510	16.3	15.8
Minnesota	17,850	17,915	1,720	1,600	9.6	8.9
Missouri	10,080	10,465	1,170	740	11.6	7.1
Wisconsin	10,550	10,815	330	280	3.1	2.6
Other States	16,650	16,940	850	930	5.1	5.5
Total	111,460	112,780	10,270	9,380	9.2	8.3
Plains						
Kansas	19,885	17,300	6,880	5,460	34.6	31.6
Nebraska	21,060	20,280	5,610	5,030	26.6	24.8
Texas	23,035	22,770	4,470	4,670	19.4	20.5
Other States	23,950	24,990	3,050	1,900	12.7	7.6
Total	87,930	85,340	20,010	17,060	22.8	20.0
West						
California	42,695	41,910	1,200	1,190	2.8	2.8
Washington	7,085	9,690	150	420	2.1	4.3
Other States	29,740	34,500	2,730	3,110	9.2	9.0
Total	79,520	86,100	4,080	4,720	5.1	5.5
United States	357,800	366,200	42,800	39,600	12.0	10.8

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	3,740	3,500	32.3	30.4	1,150	1,180	9.9	10.2
Other States	5,570	6,140	18.2	18.8	3,820	4,060	12.5	12.4
Total	9,310	9,640	22.1	21.8	4,970	5,240	11.8	11.9
South								
Arkansas	2,300	2,180	26.8	26.9	910	740	10.6	9.1
Florida	320	540	5.3	7.0	930	1,380	15.3	17.8
Georgia	2,080	2,250	28.2	31.4	790	690	10.7	9.6
Other States	3,660	3,330	24.8	22.5	1,760	2,110	11.9	14.3
Total	8,360	8,300	22.7	22.0	4,390	4,920	11.9	13.0
Midwest								
Illinois	780	1,040	5.0	5.9	1,390	1,470	8.9	8.3
Indiana	1,380	1,350	13.3	12.9	960	1,030	9.3	9.8
Iowa	6,920	5,900	22.8	20.7	2,710	2,980	8.9	10.4
Minnesota	3,210	2,710	18.0	15.1	2,010	2,100	11.3	11.7
Missouri	1,340	1,000	13.3	9.6	1,080	1,030	10.7	9.8
Wisconsin	2,150	2,280	20.4	21.1	1,470	1,480	13.9	13.7
Other States	2,720	2,610	16.3	15.4	2,050	1,870	12.3	11.0
Total	18,500	16,890	16.6	15.0	11,670	11,960	10.5	10.6
Plains								
Kansas	3,030	2,470	15.2	14.3	1,600	1,480	8.0	8.6
Nebraska	2,450	2,170	11.6	10.7	1,830	1,860	8.7	9.2
Texas	4,730	4,000	20.5	17.6	2,830	2,690	12.3	11.8
Other States	2,040	2,350	8.5	9.4	2,790	2,660	11.6	10.6
Total	12,250	10,990	13.9	12.9	9,050	8,690	10.3	10.2
West								
California	4,700	4,280	11.0	10.2	7,080	7,680	16.6	18.3
Washington	630	860	8.9	8.9	1,370	1,550	19.3	16.0
Other States	5,650	5,840	19.0	16.9	4,270	4,660	14.4	13.5
Total	10,980	10,980	13.8	12.8	12,720	13,890	16.0	16.1
United States	59,400	56,800	16.6	15.5	42,800	44,700	12.0	12.2

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	310	510	2.7	4.4	310	360	2.7	3.1
Other States	1,120	1,410	3.7	4.3	920	1,030	3.0	3.2
Total	1,430	1,920	3.4	4.3	1,230	1,390	2.9	3.1
South								
Arkansas	720	640	8.4	7.9	405	450	4.7	5.5
Florida	130	90	2.1	1.2	320	330	5.3	4.3
Georgia	230	230	3.1	3.2	325	310	4.4	4.3
Other States	820	970	5.6	6.6	800	680	5.4	4.6
Total	1,900	1,930	5.2	5.1	1,850	1,770	5.0	4.7
Midwest								
Illinois	3,400	3,590	21.8	20.3	1,220	1,320	7.8	7.5
Indiana	1,530	1,580	14.8	15.1	560	580	5.4	5.5
Iowa	3,850	3,610	12.7	12.7	1,130	1,130	3.7	4.0
Minnesota	2,050	2,010	11.5	11.2	720	800	4.0	4.5
Missouri	1,040	1,300	10.3	12.4	510	630	5.1	6.0
Wisconsin	590	580	5.6	5.4	300	320	2.8	3.0
Other States	1,340	1,420	8.0	8.4	710	700	4.3	4.1
Total	13,800	14,090	12.4	12.5	5,150	5,480	4.6	4.9
Plains								
Kansas	1,580	1,330	7.9	7.7	820	760	4.1	4.4
Nebraska	2,480	2,440	11.8	12.0	870	860	4.1	4.2
Texas	850	850	3.7	3.7	630	650	2.7	2.9
Other States	2,770	2,620	11.6	10.5	1,300	1,390	5.4	5.6
Total	7,680	7,240	8.7	8.5	3,620	3,660	4.1	4.3
West								
California	2,910	2,180	6.8	5.2	2,430	2,370	5.7	5.7
Washington	390	700	5.5	7.2	400	630	5.6	6.5
Other States	1,590	2,040	5.3	5.9	820	1,200	2.8	3.5
Total	4,890	4,920	6.1	5.7	3,650	4,200	4.6	4.9
United States	29,700	30,100	8.3	8.2	15,500	16,500	4.3	4.5

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019 (million dollars)	2020 (million dollars)	2019 (percent of total)	2020 (percent of total)	2019 (million dollars)	2020 (million dollars)	2019 (percent of total)	2020 (percent of total)
Atlantic								
North Carolina	430	420	3.7	3.6	190	160	1.6	1.4
Other States	1,720	2,020	5.6	6.2	1,000	940	3.3	2.9
Total	2,150	2,440	5.1	5.5	1,190	1,100	2.8	2.5
South								
Arkansas	465	480	5.4	5.9	200	180	2.3	2.2
Florida	430	500	7.1	6.5	150	170	2.5	2.2
Georgia	405	380	5.5	5.3	180	90	2.4	1.3
Other States	850	840	5.8	5.7	370	250	2.5	1.7
Total	2,150	2,200	5.8	5.8	900	690	2.4	1.8
Midwest								
Illinois	1,730	2,070	11.1	11.7	580	550	3.7	3.1
Indiana	950	1,050	9.2	10.0	400	345	3.9	3.3
Iowa	1,780	2,080	5.9	7.3	800	860	2.6	3.0
Minnesota	1,330	1,450	7.5	8.1	590	660	3.3	3.7
Missouri	840	1,000	8.3	9.6	430	395	4.3	3.8
Wisconsin	680	760	6.4	7.0	485	440	4.6	4.1
Other States	1,200	1,180	7.2	7.0	485	540	2.9	3.2
Total	8,510	9,590	7.6	8.5	3,770	3,790	3.4	3.4
Plains								
Kansas	1,120	1,040	5.6	6.0	390	380	2.0	2.2
Nebraska	1,300	1,380	6.2	6.8	560	520	2.7	2.6
Texas	970	1,120	4.2	4.9	570	400	2.5	1.8
Other States	2,030	2,030	8.5	8.1	980	990	4.1	4.0
Total	5,420	5,570	6.2	6.5	2,500	2,290	2.8	2.7
West								
California	2,280	2,170	5.3	5.2	930	810	2.2	1.9
Washington	350	510	4.9	5.3	140	180	2.0	1.9
Other States	1,440	1,920	4.8	5.6	1,070	1,040	3.6	3.0
Total	4,070	4,600	5.1	5.3	2,140	2,030	2.7	2.4
United States	22,300	24,400	6.2	6.7	10,500	9,900	2.9	2.7

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	270	250	2.3	2.2	880	940	7.6	8.2
Other States	1,550	2,050	5.1	6.3	2,750	2,980	9.0	9.1
Total	1,820	2,300	4.3	5.2	3,630	3,920	8.6	8.9
South								
Arkansas	175	160	2.0	2.0	380	320	4.4	3.9
Florida	180	200	3.0	2.6	1,710	2,010	28.2	25.9
Georgia	160	180	2.2	2.5	490	500	6.6	7.0
Other States	385	330	2.6	2.2	550	580	3.7	3.9
Total	900	870	2.4	2.3	3,130	3,410	8.5	9.0
Midwest								
Illinois	660	830	4.2	4.7	540	600	3.5	3.4
Indiana	480	465	4.6	4.4	435	470	4.2	4.5
Iowa	880	1,010	2.9	3.5	840	790	2.8	2.8
Minnesota	710	670	4.0	3.7	830	800	4.6	4.5
Missouri	330	370	3.3	3.5	395	400	3.9	3.8
Wisconsin	380	425	3.6	3.9	1,130	970	10.7	9.0
Other States	860	810	5.2	4.8	1,690	1,500	10.2	8.9
Total	4,300	4,580	3.9	4.1	5,860	5,530	5.3	4.9
Plains								
Kansas	550	510	2.8	2.9	760	640	3.8	3.7
Nebraska	1,400	1,420	6.6	7.0	790	550	3.8	2.7
Texas	1,040	930	4.5	4.1	1,540	1,460	6.7	6.4
Other States	960	930	4.0	3.7	970	1,000	4.1	4.0
Total	3,950	3,790	4.5	4.4	4,060	3,650	4.6	4.3
West								
California	1,300	1,320	3.0	3.1	12,360	12,560	28.9	30.0
Washington	210	300	3.0	3.1	2,220	2,570	31.3	26.5
Other States	920	940	3.1	2.7	3,540	5,060	11.9	14.7
Total	2,430	2,560	3.1	3.0	18,120	20,190	22.8	23.4
United States	13,400	14,100	3.7	3.9	34,800	36,700	9.7	10.0

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019 (million dollars)	2020 (million dollars)	2019 (percent of total)	2020 (percent of total)	2019 (million dollars)	2020 (million dollars)	2019 (percent of total)	2020 (percent of total)
Atlantic								
North Carolina	320	290	2.8	2.5	360	400	3.1	3.5
Other States	1,230	1,130	4.0	3.5	2,060	2,380	6.7	7.3
Total	1,550	1,420	3.7	3.2	2,420	2,780	5.7	6.3
South								
Arkansas	370	320	4.3	3.9	380	310	4.4	3.8
Florida	220	190	3.6	2.5	380	720	6.3	9.3
Georgia	280	230	3.8	3.2	230	270	3.1	3.8
Other States	580	560	3.9	3.8	720	750	4.9	5.1
Total	1,450	1,300	3.9	3.4	1,710	2,050	4.7	5.4
Midwest								
Illinois	550	520	3.5	2.9	710	740	4.6	4.2
Indiana	365	320	3.5	3.1	460	510	4.4	4.9
Iowa	720	620	2.4	2.2	1,060	1,090	3.5	3.8
Minnesota	700	570	3.9	3.2	880	1,040	4.9	5.8
Missouri	395	380	3.9	3.6	520	620	5.2	5.9
Wisconsin	380	320	3.6	3.0	730	820	6.9	7.6
Other States	620	540	3.7	3.2	1,080	1,160	6.5	6.8
Total	3,730	3,270	3.3	2.9	5,440	5,980	4.9	5.3
Plains								
Kansas	520	450	2.6	2.6	670	630	3.4	3.6
Nebraska	510	460	2.4	2.3	780	820	3.7	4.0
Texas	820	780	3.6	3.4	890	990	3.9	4.3
Other States	930	1,000	3.9	4.0	1,450	1,490	6.1	6.0
Total	2,780	2,690	3.2	3.2	3,790	3,930	4.3	4.6
West								
California	1,305	1,000	3.1	2.4	2,210	1,840	5.2	4.4
Washington	185	260	2.6	2.7	340	530	4.8	5.5
Other States	1,300	1,160	4.4	3.4	1,690	2,290	5.7	6.6
Total	2,790	2,420	3.5	2.8	4,240	4,660	5.3	5.4
United States	12,300	11,100	3.4	3.0	17,600	19,400	4.9	5.3

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	330	310	2.8	2.7	240	250	2.1	2.2
Other States	1,990	1,950	6.5	6.0	1,620	1,310	5.3	4.0
Total	2,320	2,260	5.5	5.1	1,860	1,560	4.4	3.5
South								
Arkansas	250	170	2.9	2.1	260	240	3.0	3.0
Florida	395	280	6.5	3.6	130	170	2.1	2.2
Georgia	250	160	3.4	2.2	255	220	3.5	3.1
Other States	435	560	3.0	3.8	855	700	5.8	4.7
Total	1,330	1,170	3.6	3.1	1,500	1,330	4.1	3.5
Midwest								
Illinois	445	500	2.9	2.8	690	1,140	4.4	6.5
Indiana	420	420	4.1	4.0	480	380	4.6	3.6
Iowa	1,370	670	4.5	2.3	770	720	2.5	2.5
Minnesota	500	770	2.8	4.3	590	570	3.3	3.2
Missouri	355	680	3.5	6.5	570	650	5.7	6.2
Wisconsin	500	500	4.7	4.6	310	420	2.9	3.9
Other States	810	900	4.9	5.3	520	680	3.1	4.0
Total	4,400	4,440	3.9	3.9	3,930	4,560	3.5	4.0
Plains								
Kansas	290	310	1.5	1.8	415	580	2.1	3.4
Nebraska	330	470	1.6	2.3	455	570	2.2	2.8
Texas	970	950	4.2	4.2	1,070	1,440	4.6	6.3
Other States	910	860	3.8	3.4	1,000	1,900	4.2	7.6
Total	2,500	2,590	2.8	3.0	2,940	4,490	3.3	5.3
West								
California	1,160	1,810	2.7	4.3	570	560	1.3	1.3
Washington	200	420	2.8	4.3	150	250	2.1	2.6
Other States	1,590	1,710	5.3	5.0	950	950	3.2	2.8
Total	2,950	3,940	3.7	4.6	1,670	1,760	2.1	2.0
United States	13,500	14,400	3.8	3.9	11,900	13,700	3.3	3.7

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019	2020	2019	2020	2019	2020	2019	2020
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	90	60	0.8	0.5	400	740	3.4	6.4
Other States	740	820	2.4	2.5	1,630	1,830	5.3	5.6
Total	830	880	2.0	2.0	2,030	2,570	4.8	5.8
South								
Arkansas	80	120	0.9	1.5	480	460	5.6	5.7
Florida	35	40	0.6	0.5	510	900	8.4	11.6
Georgia	55	40	0.7	0.6	430	350	5.8	4.9
Other States	320	160	2.2	1.1	810	790	5.5	5.3
Total	490	360	1.3	1.0	2,230	2,500	6.1	6.6
Midwest								
Illinois	340	445	2.2	2.5	1,820	1,980	11.7	11.2
Indiana	185	195	1.8	1.9	960	980	9.3	9.4
Iowa	390	350	1.3	1.2	1,950	2,010	6.4	7.0
Minnesota	285	400	1.6	2.2	1,570	1,540	8.8	8.6
Missouri	230	205	2.3	2.0	680	790	6.7	7.5
Wisconsin	235	320	2.2	3.0	760	760	7.2	7.0
Other States	315	365	1.9	2.2	1,270	1,490	7.6	8.8
Total	1,980	2,280	1.8	2.0	9,010	9,550	8.1	8.5
Plains								
Kansas	255	210	1.3	1.2	820	840	4.1	4.9
Nebraska	195	260	0.9	1.3	1,260	1,250	6.0	6.2
Texas	240	320	1.0	1.4	860	910	3.7	4.0
Other States	470	930	2.0	3.7	1,760	2,000	7.3	8.0
Total	1,160	1,720	1.3	2.0	4,700	5,000	5.3	5.9
West								
California	190	210	0.4	0.5	1,760	1,640	4.1	3.9
Washington	50	90	0.7	0.9	250	320	3.5	3.3
Other States	400	460	1.3	1.3	1,220	1,420	4.1	4.1
Total	640	760	0.8	0.9	3,230	3,380	4.1	3.9
United States	5,100	6,000	1.4	1.6	21,200	23,000	5.9	6.3

--continued

Farm Production Expenditures – Region, State, and United States: 2019 and 2020 (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			
	2019 (million dollars)	2020 (million dollars)	2019 (percent of total)	2020 (percent of total)	2019 (million dollars)	2020 (million dollars)	2019 (percent of total)	2020 (percent of total)
North Carolina	100	120	0.9	1.0	15	10	0.1	0.1
Other States	530	490	1.7	1.5	80	50	0.3	0.2
Total	630	610	1.5	1.4	95	60	0.2	0.1
Arkansas	115	100	1.3	1.2	30	20	(Z)	0.2
Florida	105	110	1.7	1.4	5	20	0.1	0.3
Georgia	105	80	1.4	1.1	10	10	0.1	0.1
Other States	285	260	1.9	1.8	40	50	0.3	0.3
Total	610	550	1.7	1.5	85	100	0.2	0.3
Illinois	170	205	1.1	1.2	10	20	0.1	0.1
Indiana	75	75	0.7	0.7	15	20	0.1	0.2
Iowa	240	185	0.8	0.6	30	20	0.1	0.1
Minnesota	130	205	0.7	1.1	25	20	0.1	0.1
Missouri	170	240	1.7	2.3	25	35	0.2	0.3
Wisconsin	100	115	0.9	1.1	20	25	0.2	0.2
Other States	115	225	0.7	1.3	15	20	0.1	0.1
Total	1,000	1,250	0.9	1.1	140	160	0.1	0.1
Kansas	170	190	0.9	1.1	15	20	0.1	0.1
Nebraska	215	190	1.0	0.9	25	30	0.1	0.1
Texas	500	520	2.2	2.3	55	90	0.2	0.4
Other States	485	820	2.0	3.3	55	120	0.2	0.5
Total	1,370	1,720	1.6	2.0	150	260	0.2	0.3
California	300	250	0.7	0.6	10	40	(Z)	0.1
Washington	45	90	0.6	0.9	5	10	0.1	0.1
Other States	475	630	1.6	1.8	85	70	0.3	0.2
Total	820	970	1.0	1.1	100	120	0.1	0.1
United States	4,430	5,100	1.2	1.4	570	700	0.2	0.2

(Z) Less than half of the unit shown.

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.6	25.6	11,679	10,299	4,660	4,100
Feed	56.0	55.5	23,333	24,215	9,310	9,640
Farm services	88.7	89.9	12,456	13,163	4,970	5,240
Rent	24.2	22.3	3,584	4,823	1,430	1,920
Agricultural chemicals	37.2	42.9	3,083	3,492	1,230	1,390
Fertilizer, lime, and soil conditioners	51.9	52.3	5,388	6,129	2,150	2,440
Interest	27.8	27.0	2,982	2,763	1,190	1,100
Taxes	100.0	100.0	4,561	5,777	1,820	2,300
Labor	22.3	15.2	9,098	9,847	3,630	3,920
Fuel	88.4	83.0	3,885	3,567	1,550	1,420
Farm supplies and repairs	84.0	82.3	6,065	6,983	2,420	2,780
Farm improvements and construction	49.0	57.0	5,815	5,677	2,320	2,260
Tractors and self-propelled farm machinery	15.0	11.2	4,662	3,919	1,860	1,560
Other farm machinery	18.0	15.8	2,080	2,210	830	880
Seeds and plants	36.9	36.3	5,088	6,456	2,030	2,570
Trucks and autos	10.9	9.8	1,579	1,532	630	610
Miscellaneous capital expenses	4.0	2.1	238	151	95	60
Total farm production expenditures	100.0	100.0	105,576	111,002	42,125	44,190

Farm Production Expenditures Total by Year – Atlantic Region: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,780	4,020	4,980	4,660	4,100
Feed	9,430	9,300	9,600	9,310	9,640
Farm services	5,100	5,100	5,700	4,970	5,240
Rent	1,740	1,560	1,540	1,430	1,920
Agricultural chemicals	1,160	1,240	1,330	1,230	1,390
Fertilizer, lime, and soil conditioners	2,190	2,090	2,360	2,150	2,440
Interest	950	1,060	1,040	1,190	1,100
Taxes	1,600	1,670	1,780	1,820	2,300
Labor	4,560	4,680	4,090	3,630	3,920
Fuel	1,390	1,600	1,560	1,550	1,420
Farm supplies and repairs	2,550	2,650	2,650	2,420	2,780
Farm improvements and construction	2,440	2,640	2,300	2,320	2,260
Tractors and self-propelled farm machinery	1,510	1,500	1,970	1,860	1,560
Other farm machinery	700	780	950	830	880
Seeds and plants	2,200	2,460	2,310	2,030	2,570
Trucks and autos	710	810	780	630	610
Miscellaneous capital expenses	100	80	85	95	60
Total farm production expenditures	42,110	43,240	45,025	42,125	44,190

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.0	23.1	53,247	43,913	2,460	2,020
Feed	54.3	50.9	80,952	76,087	3,740	3,500
Farm services	86.2	92.0	24,892	25,652	1,150	1,180
Rent	28.1	30.6	6,710	11,087	310	510
Agricultural chemicals	48.7	56.8	6,710	7,826	310	360
Fertilizer, lime, and soil conditioners	62.5	65.9	9,307	9,130	430	420
Interest	23.2	22.5	4,113	3,478	190	160
Taxes	100.0	100.0	5,844	5,435	270	250
Labor	32.7	30.6	19,048	20,435	880	940
Fuel	89.3	89.8	6,926	6,304	320	290
Farm supplies and repairs	81.4	86.7	7,792	8,696	360	400
Farm improvements and construction	46.5	59.6	7,143	6,739	330	310
Tractors and self-propelled farm machinery	12.4	11.5	5,195	5,435	240	250
Other farm machinery	15.0	13.0	1,948	1,304	90	60
Seeds and plants	37.9	45.5	8,658	16,087	400	740
Trucks and autos	13.7	10.5	2,165	2,609	100	120
Miscellaneous capital expenses	6.0	2.8	325	217	15	10
Total farm production expenditures	100.0	100.0	250,974	250,435	11,595	11,520

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.9	25.9	6,236	5,907	2,200	2,080
Feed	56.2	56.1	15,788	17,438	5,570	6,140
Farm services	89.0	89.6	10,828	11,531	3,820	4,060
Rent	23.7	21.3	3,175	4,005	1,120	1,410
Agricultural chemicals	35.7	41.1	2,608	2,925	920	1,030
Fertilizer, lime, and soil conditioners	50.5	50.6	4,875	5,737	1,720	2,020
Interest	28.4	27.6	2,834	2,670	1,000	940
Taxes	100.0	100.0	4,393	5,822	1,550	2,050
Labor	21.0	13.1	7,795	8,464	2,750	2,980
Fuel	88.3	82.1	3,486	3,209	1,230	1,130
Farm supplies and repairs	84.3	81.7	5,839	6,759	2,060	2,380
Farm improvements and construction	49.3	56.6	5,641	5,538	1,990	1,950
Tractors and self-propelled farm machinery	15.3	11.1	4,592	3,721	1,620	1,310
Other farm machinery	18.4	16.2	2,098	2,329	740	820
Seeds and plants	36.8	35.0	4,620	5,197	1,630	1,830
Trucks and autos	10.6	9.7	1,502	1,392	530	490
Miscellaneous capital expenses	3.7	2.0	227	142	80	50
Total farm production expenditures	100.0	100.0	86,536	92,786	30,530	32,670

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.7	23.8	14,737	16,920	3,780	4,340
Feed	60.8	61.0	32,593	32,359	8,360	8,300
Farm services	88.1	83.7	17,115	19,181	4,390	4,920
Rent	23.7	21.3	7,407	7,524	1,900	1,930
Agricultural chemicals	38.5	45.2	7,212	6,901	1,850	1,770
Fertilizer, lime, and soil conditioners	52.1	52.1	8,382	8,577	2,150	2,200
Interest	25.2	20.5	3,509	2,690	900	690
Taxes	99.8	99.9	3,509	3,392	900	870
Labor	22.8	26.4	12,203	13,294	3,130	3,410
Fuel	85.9	81.6	5,653	5,068	1,450	1,300
Farm supplies and repairs	79.6	75.1	6,667	7,992	1,710	2,050
Farm improvements and construction	43.2	44.4	5,185	4,561	1,330	1,170
Tractors and self-propelled farm machinery	15.5	15.2	5,848	5,185	1,500	1,330
Other farm machinery	12.4	10.6	1,910	1,404	490	360
Seeds and plants	29.4	26.0	8,694	9,747	2,230	2,500
Trucks and autos	11.3	8.9	2,378	2,144	610	550
Miscellaneous capital expenses	5.7	5.7	331	390	85	100
Total farm production expenditures	100.0	100.0	143,333	147,329	36,765	37,790

Farm Production Expenditures Total by Year – South Region: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,190	3,240	3,800	3,780	4,340
Feed	8,620	8,500	8,800	8,360	8,300
Farm services	4,200	4,310	4,400	4,390	4,920
Rent	1,800	1,890	1,900	1,900	1,930
Agricultural chemicals	1,960	1,880	1,780	1,850	1,770
Fertilizer, lime, and soil conditioners	2,240	2,050	2,170	2,150	2,200
Interest	690	810	720	900	690
Taxes	880	870	840	900	870
Labor	3,400	3,210	3,090	3,130	3,410
Fuel	1,480	1,460	1,510	1,450	1,300
Farm supplies and repairs	1,630	1,600	1,610	1,710	2,050
Farm improvements and construction	1,260	1,550	1,160	1,330	1,170
Tractors and self-propelled farm machinery	1,130	1,510	1,350	1,500	1,330
Other farm machinery	350	470	410	490	360
Seeds and plants	2,080	2,070	2,080	2,230	2,500
Trucks and autos	550	640	660	610	550
Miscellaneous capital expenses	60	50	65	85	100
Total farm production expenditures	35,520	36,110	36,345	36,765	37,790

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.3	22.0	24,823	28,910	1,050	1,220
Feed	72.7	69.9	54,374	51,659	2,300	2,180
Farm services	89.4	87.4	21,513	17,536	910	740
Rent	27.5	26.3	17,021	15,166	720	640
Agricultural chemicals	37.6	38.9	9,574	10,664	405	450
Fertilizer, lime, and soil conditioners	43.1	46.7	10,993	11,374	465	480
Interest	32.8	25.1	4,728	4,265	200	180
Taxes	100.0	99.4	4,137	3,791	175	160
Labor	23.5	20.1	8,983	7,583	380	320
Fuel	88.9	80.6	8,747	7,583	370	320
Farm supplies and repairs	75.4	76.7	8,983	7,346	380	310
Farm improvements and construction	51.9	42.7	5,910	4,028	250	170
Tractors and self-propelled farm machinery	14.0	11.4	6,147	5,687	260	240
Other farm machinery	8.6	12.2	1,891	2,844	80	120
Seeds and plants	18.6	19.7	11,348	10,900	480	460
Trucks and autos	9.3	9.9	2,719	2,370	115	100
Miscellaneous capital expenses	7.5	4.2	709	474	30	20
Total farm production expenditures	100.0	100.0	202,600	192,180	8,570	8,110

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.6	20.1	2,532	2,105	120	100
Feed	54.7	59.7	6,751	11,368	320	540
Farm services	95.5	90.0	19,620	29,053	930	1,380
Rent	23.2	18.0	2,743	1,895	130	90
Agricultural chemicals	46.0	42.5	6,751	6,947	320	330
Fertilizer, lime, and soil conditioners	57.1	47.1	9,072	10,526	430	500
Interest	18.3	17.4	3,165	3,579	150	170
Taxes	100.0	100.0	3,797	4,211	180	200
Labor	25.3	29.6	36,076	42,316	1,710	2,010
Fuel	82.0	73.7	4,641	4,000	220	190
Farm supplies and repairs	79.4	71.5	8,017	15,158	380	720
Farm improvements and construction	44.3	57.2	8,333	5,895	395	280
Tractors and self-propelled farm machinery	16.6	22.8	2,743	3,579	130	170
Other farm machinery	10.6	10.1	738	842	35	40
Seeds and plants	31.4	25.2	10,759	18,947	510	900
Trucks and autos	11.2	12.7	2,215	2,316	105	110
Miscellaneous capital expenses	3.2	5.3	105	421	5	20
Total farm production expenditures	100.0	100.0	128,059	163,158	6,070	7,750

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.5	40.3	26,747	28,261	1,110	1,170
Feed	56.0	66.6	50,120	54,348	2,080	2,250
Farm services	91.2	69.8	19,036	16,667	790	690
Rent	19.8	16.1	5,542	5,556	230	230
Agricultural chemicals	35.0	60.0	7,831	7,488	325	310
Fertilizer, lime, and soil conditioners	43.0	44.5	9,759	9,179	405	380
Interest	17.1	18.7	4,337	2,174	180	90
Taxes	100.0	100.0	3,855	4,348	160	180
Labor	21.3	27.1	11,807	12,077	490	500
Fuel	91.4	66.8	6,747	5,556	280	230
Farm supplies and repairs	78.2	63.7	5,542	6,522	230	270
Farm improvements and construction	39.1	32.9	6,024	3,865	250	160
Tractors and self-propelled farm machinery	11.4	8.5	6,145	5,314	255	220
Other farm machinery	10.5	6.6	1,325	966	55	40
Seeds and plants	35.3	31.9	10,361	8,454	430	350
Trucks and autos	9.6	6.4	2,530	1,932	105	80
Miscellaneous capital expenses	5.6	3.9	241	242	10	10
Total farm production expenditures	100.0	100.0	177,952	172,947	7,385	7,160

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.5	20.4	11,971	14,753	1,500	1,850
Feed	60.7	56.7	29,210	26,555	3,660	3,330
Farm services	83.9	84.7	14,046	16,826	1,760	2,110
Rent	24.0	22.6	6,544	7,735	820	970
Agricultural chemicals	37.2	43.5	6,385	5,423	800	680
Fertilizer, lime, and soil conditioners	56.3	58.3	6,784	6,699	850	840
Interest	27.9	20.7	2,953	1,994	370	250
Taxes	99.6	100.0	3,073	2,632	385	330
Labor	22.1	27.0	4,389	4,625	550	580
Fuel	84.6	89.8	4,629	4,466	580	560
Farm supplies and repairs	81.5	79.7	5,746	5,981	720	750
Farm improvements and construction	41.2	43.9	3,472	4,466	435	560
Tractors and self-propelled farm machinery	16.8	15.9	6,824	5,582	855	700
Other farm machinery	14.9	11.5	2,554	1,276	320	160
Seeds and plants	30.4	26.5	6,464	6,300	810	790
Trucks and autos	12.7	8.0	2,275	2,073	285	260
Miscellaneous capital expenses	6.0	6.9	319	399	40	50
Total farm production expenditures	100.0	100.0	117,638	117,783	14,740	14,770

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.9	27.7	18,158	16,667	10,270	9,380
Feed	40.5	43.3	32,709	30,011	18,500	16,890
Farm services	89.8	90.5	20,633	21,251	11,670	11,960
Rent	32.0	34.0	24,399	25,036	13,800	14,090
Agricultural chemicals	49.3	51.4	9,105	9,737	5,150	5,480
Fertilizer, lime, and soil conditioners	54.8	57.7	15,046	17,040	8,510	9,590
Interest	36.0	37.5	6,665	6,734	3,770	3,790
Taxes	100.0	100.0	7,603	8,138	4,300	4,580
Labor	17.5	20.5	10,361	9,826	5,860	5,530
Fuel	79.3	80.3	6,595	5,810	3,730	3,270
Farm supplies and repairs	78.7	77.3	9,618	10,625	5,440	5,980
Farm improvements and construction	45.5	52.8	7,779	7,889	4,400	4,440
Tractors and self-propelled farm machinery	13.3	13.6	6,948	8,102	3,930	4,560
Other farm machinery	15.5	15.7	3,501	4,051	1,980	2,280
Seeds and plants	50.9	53.6	15,930	16,969	9,010	9,550
Trucks and autos	10.1	11.4	1,768	2,221	1,000	1,250
Miscellaneous capital expenses	3.4	4.4	248	284	140	160
Total farm production expenditures	100.0	100.0	197,065	200,391	111,460	112,780

Farm Production Expenditures Total by Year – Midwest Region: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	9,230	9,570	9,110	10,270	9,380
Feed	16,700	15,000	13,500	18,500	16,890
Farm services	11,900	11,730	11,300	11,670	11,960
Rent	13,750	13,630	13,680	13,800	14,090
Agricultural chemicals	5,090	5,280	5,270	5,150	5,480
Fertilizer, lime, and soil conditioners	9,090	8,520	8,980	8,510	9,590
Interest	3,420	3,550	3,800	3,770	3,790
Taxes	3,790	3,860	4,300	4,300	4,580
Labor	5,890	5,440	5,640	5,860	5,530
Fuel	3,220	3,450	3,820	3,730	3,270
Farm supplies and repairs	5,560	5,380	5,580	5,440	5,980
Farm improvements and construction	4,740	5,220	3,650	4,400	4,440
Tractors and self-propelled farm machinery	3,550	4,000	3,600	3,930	4,560
Other farm machinery	2,080	2,270	2,010	1,980	2,280
Seeds and plants	9,470	9,340	9,270	9,010	9,550
Trucks and autos	1,170	1,360	1,040	1,000	1,250
Miscellaneous capital expenses	240	170	185	140	160
Total farm production expenditures	108,890	107,770	104,735	111,460	112,780

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	13.0	12.1	7,843	8,861	560	630
Feed	25.3	18.5	10,924	14,627	780	1,040
Farm services	80.8	85.0	19,468	20,675	1,390	1,470
Rent	39.7	37.4	47,619	50,492	3,400	3,590
Agricultural chemicals	60.9	62.1	17,087	18,565	1,220	1,320
Fertilizer, lime, and soil conditioners	61.6	63.3	24,230	29,114	1,730	2,070
Interest	32.9	38.4	8,123	7,736	580	550
Taxes	100.0	100.0	9,244	11,674	660	830
Labor	17.8	20.6	7,563	8,439	540	600
Fuel	70.7	78.5	7,703	7,314	550	520
Farm supplies and repairs	67.5	74.3	9,944	10,408	710	740
Farm improvements and construction	40.2	47.8	6,232	7,032	445	500
Tractors and self-propelled farm machinery	16.2	14.5	9,664	16,034	690	1,140
Other farm machinery	15.1	14.8	4,762	6,259	340	445
Seeds and plants	66.2	67.9	25,490	27,848	1,820	1,980
Trucks and autos	12.2	12.1	2,381	2,883	170	205
Miscellaneous capital expenses	1.7	5.4	140	281	10	20
Total farm production expenditures	100.0	100.0	218,417	248,242	15,595	17,650

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.1	29.8	12,500	12,432	700	690
Feed	54.3	49.6	24,643	24,324	1,380	1,350
Farm services	96.0	87.4	17,143	18,559	960	1,030
Rent	31.3	31.6	27,321	28,468	1,530	1,580
Agricultural chemicals	44.6	52.6	10,000	10,450	560	580
Fertilizer, lime, and soil conditioners	52.2	65.3	16,964	18,919	950	1,050
Interest	46.1	41.2	7,143	6,216	400	345
Taxes	100.0	100.0	8,571	8,378	480	465
Labor	17.8	20.6	7,768	8,468	435	470
Fuel	81.6	75.0	6,518	5,766	365	320
Farm supplies and repairs	85.8	73.2	8,214	9,189	460	510
Farm improvements and construction	45.0	53.2	7,500	7,568	420	420
Tractors and self-propelled farm machinery	17.3	11.0	8,571	6,847	480	380
Other farm machinery	14.4	18.4	3,304	3,514	185	195
Seeds and plants	47.6	55.4	17,143	17,658	960	980
Trucks and autos	7.1	10.2	1,339	1,351	75	75
Miscellaneous capital expenses	4.2	3.5	268	360	15	20
Total farm production expenditures	100.0	100.0	184,911	188,468	10,355	10,460

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	20.6	25.0	57,913	53,059	4,940	4,510
Feed	28.2	34.8	81,125	69,412	6,920	5,900
Farm services	96.2	95.5	31,770	35,059	2,710	2,980
Rent	41.6	39.3	45,135	42,471	3,850	3,610
Agricultural chemicals	57.1	59.0	13,247	13,294	1,130	1,130
Fertilizer, lime, and soil conditioners	56.1	62.7	20,868	24,471	1,780	2,080
Interest	46.2	49.5	9,379	10,118	800	860
Taxes	100.0	100.0	10,317	11,882	880	1,010
Labor	16.6	23.5	9,848	9,294	840	790
Fuel	75.2	75.9	8,441	7,294	720	620
Farm supplies and repairs	70.0	73.0	12,427	12,824	1,060	1,090
Farm improvements and construction	44.1	55.0	16,061	7,882	1,370	670
Tractors and self-propelled farm machinery	13.7	18.3	9,027	8,471	770	720
Other farm machinery	15.3	20.7	4,572	4,118	390	350
Seeds and plants	59.1	59.5	22,860	23,647	1,950	2,010
Trucks and autos	13.1	14.0	2,814	2,176	240	185
Miscellaneous capital expenses	4.6	3.2	352	235	30	20
Total farm production expenditures	100.0	100.0	356,155	335,706	30,380	28,535

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.4	14.9	25,294	23,704	1,720	1,600
Feed	35.9	28.5	47,206	40,148	3,210	2,710
Farm services	95.3	96.8	29,559	31,111	2,010	2,100
Rent	38.7	36.9	30,147	29,778	2,050	2,010
Agricultural chemicals	54.9	55.7	10,588	11,852	720	800
Fertilizer, lime, and soil conditioners	54.3	57.1	19,559	21,481	1,330	1,450
Interest	37.9	39.6	8,676	9,778	590	660
Taxes	100.0	100.0	10,441	9,926	710	670
Labor	22.2	27.1	12,206	11,852	830	800
Fuel	79.9	74.9	10,294	8,444	700	570
Farm supplies and repairs	76.1	73.7	12,941	15,407	880	1,040
Farm improvements and construction	46.5	48.3	7,353	11,407	500	770
Tractors and self-propelled farm machinery	17.1	14.4	8,676	8,444	590	570
Other farm machinery	16.4	18.6	4,191	5,926	285	400
Seeds and plants	56.7	57.5	23,088	22,815	1,570	1,540
Trucks and autos	10.1	14.1	1,912	3,037	130	205
Miscellaneous capital expenses	5.6	4.3	368	296	25	20
Total farm production expenditures	100.0	100.0	262,500	265,407	17,850	17,915

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.5	26.9	12,290	7,789	1,170	740
Feed	54.1	62.4	14,076	10,526	1,340	1,000
Farm services	85.3	90.5	11,345	10,842	1,080	1,030
Rent	20.8	24.7	10,924	13,684	1,040	1,300
Agricultural chemicals	37.6	38.5	5,357	6,632	510	630
Fertilizer, lime, and soil conditioners	51.0	48.2	8,824	10,526	840	1,000
Interest	31.7	36.7	4,517	4,158	430	395
Taxes	100.0	100.0	3,466	3,895	330	370
Labor	14.5	18.3	4,149	4,211	395	400
Fuel	77.9	81.3	4,149	4,000	395	380
Farm supplies and repairs	71.2	71.4	5,462	6,526	520	620
Farm improvements and construction	37.4	50.7	3,729	7,158	355	680
Tractors and self-propelled farm machinery	12.4	14.5	5,987	6,842	570	650
Other farm machinery	13.2	12.0	2,416	2,158	230	205
Seeds and plants	29.3	32.7	7,143	8,316	680	790
Trucks and autos	9.1	13.6	1,786	2,526	170	240
Miscellaneous capital expenses	2.9	2.9	263	368	25	35
Total farm production expenditures	100.0	100.0	105,882	110,158	10,080	10,465

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.3	21.7	5,085	4,348	330	280
Feed	47.1	45.7	33,128	35,404	2,150	2,280
Farm services	90.5	88.6	22,650	22,981	1,470	1,480
Rent	34.7	40.2	9,091	9,006	590	580
Agricultural chemicals	51.1	51.4	4,622	4,969	300	320
Fertilizer, lime, and soil conditioners	53.1	64.7	10,478	11,801	680	760
Interest	48.4	34.7	7,473	6,832	485	440
Taxes	99.9	100.0	5,855	6,599	380	425
Labor	23.1	25.0	17,411	15,062	1,130	970
Fuel	84.8	78.7	5,855	4,969	380	320
Farm supplies and repairs	85.2	82.3	11,248	12,733	730	820
Farm improvements and construction	56.8	53.3	7,704	7,764	500	500
Tractors and self-propelled farm machinery	14.9	14.4	4,777	6,522	310	420
Other farm machinery	23.5	15.0	3,621	4,969	235	320
Seeds and plants	68.0	63.9	11,710	11,801	760	760
Trucks and autos	14.0	9.9	1,541	1,786	100	115
Miscellaneous capital expenses	5.0	5.5	308	388	20	25
Total farm production expenditures	100.0	100.0	162,558	167,935	10,550	10,815

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.0	48.0	6,811	7,482	850	930
Feed	39.9	52.7	21,795	20,998	2,720	2,610
Farm services	88.1	88.9	16,426	15,044	2,050	1,870
Rent	24.9	31.7	10,737	11,424	1,340	1,420
Agricultural chemicals	44.2	46.9	5,689	5,632	710	700
Fertilizer, lime, and soil conditioners	55.1	51.8	9,615	9,493	1,200	1,180
Interest	21.9	27.9	3,886	4,344	485	540
Taxes	100.0	100.0	6,891	6,516	860	810
Labor	14.7	14.0	13,542	12,068	1,690	1,500
Fuel	83.9	89.8	4,968	4,344	620	540
Farm supplies and repairs	91.3	87.5	8,654	9,332	1,080	1,160
Farm improvements and construction	49.5	57.9	6,490	7,241	810	900
Tractors and self-propelled farm machinery	7.2	9.6	4,167	5,471	520	680
Other farm machinery	13.6	13.2	2,524	2,936	315	365
Seeds and plants	42.3	49.0	10,176	11,987	1,270	1,490
Trucks and autos	7.1	7.4	921	1,810	115	225
Miscellaneous capital expenses	1.5	5.8	120	161	15	20
Total farm production expenditures	100.0	100.0	133,413	136,283	16,650	16,940

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.7	25.1	41,326	35,270	20,010	17,060
Feed	62.7	61.9	25,299	22,721	12,250	10,990
Farm services	90.1	86.6	18,691	17,966	9,050	8,690
Rent	31.8	30.6	15,861	14,968	7,680	7,240
Agricultural chemicals	41.2	44.7	7,476	7,567	3,620	3,660
Fertilizer, lime, and soil conditioners	41.0	48.7	11,194	11,515	5,420	5,570
Interest	30.5	25.5	5,163	4,734	2,500	2,290
Taxes	100.0	100.0	8,158	7,835	3,950	3,790
Labor	24.3	23.9	8,385	7,546	4,060	3,650
Fuel	77.5	81.7	5,741	5,561	2,780	2,690
Farm supplies and repairs	73.1	79.2	7,827	8,125	3,790	3,930
Farm improvements and construction	40.5	40.3	5,163	5,355	2,500	2,590
Tractors and self-propelled farm machinery	10.6	14.1	6,072	9,283	2,940	4,490
Other farm machinery	9.3	12.0	2,396	3,556	1,160	1,720
Seeds and plants	29.7	34.0	9,707	10,337	4,700	5,000
Trucks and autos	10.9	12.5	2,829	3,556	1,370	1,720
Miscellaneous capital expenses	3.7	5.7	310	538	150	260
Total farm production expenditures	100.0	100.0	181,599	176,432	87,930	85,340

Farm Production Expenditures Total by Year – Plains Region: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	20,850	21,100	23,900	20,010	17,060
Feed	11,400	12,100	12,000	12,250	10,990
Farm services	9,250	9,250	9,300	9,050	8,690
Rent	8,210	7,880	7,470	7,680	7,240
Agricultural chemicals	3,670	3,740	3,640	3,620	3,660
Fertilizer, lime, and soil conditioners	5,730	5,260	5,670	5,420	5,570
Interest	2,270	2,310	2,420	2,500	2,290
Taxes	3,480	4,110	3,660	3,950	3,790
Labor	4,000	4,120	4,150	4,060	3,650
Fuel	2,770	2,950	3,050	2,780	2,690
Farm supplies and repairs	3,770	3,920	3,720	3,790	3,930
Farm improvements and construction	2,910	3,540	2,350	2,500	2,590
Tractors and self-propelled farm machinery	3,050	3,540	2,840	2,940	4,490
Other farm machinery	1,160	1,380	1,260	1,160	1,720
Seeds and plants	5,010	4,940	4,840	4,700	5,000
Trucks and autos	1,260	1,560	1,270	1,370	1,720
Miscellaneous capital expenses	220	200	205	150	260
Total farm production expenditures	89,010	91,900	91,745	87,930	85,340

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.7	31.6	117,607	93,654	6,880	5,460
Feed	47.5	46.4	51,795	42,367	3,030	2,470
Farm services	89.0	81.6	27,350	25,386	1,600	1,480
Rent	41.7	40.4	27,009	22,813	1,580	1,330
Agricultural chemicals	47.1	51.3	14,017	13,036	820	760
Fertilizer, lime, and soil conditioners	49.3	55.5	19,145	17,839	1,120	1,040
Interest	37.8	30.7	6,667	6,518	390	380
Taxes	100.0	100.0	9,402	8,748	550	510
Labor	25.2	24.0	12,991	10,978	760	640
Fuel	72.0	72.5	8,889	7,719	520	450
Farm supplies and repairs	68.6	72.9	11,453	10,806	670	630
Farm improvements and construction	42.7	38.8	4,957	5,317	290	310
Tractors and self-propelled farm machinery	10.0	16.2	7,094	9,949	415	580
Other farm machinery	13.2	14.5	4,359	3,602	255	210
Seeds and plants	41.2	42.1	14,017	14,408	820	840
Trucks and autos	12.3	15.1	2,906	3,259	170	190
Miscellaneous capital expenses	2.6	4.1	256	343	15	20
Total farm production expenditures	100.0	100.0	339,915	296,741	19,885	17,300

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.4	26.8	122,757	110,549	5,610	5,030
Feed	41.0	39.6	53,611	47,692	2,450	2,170
Farm services	90.5	87.6	40,044	40,879	1,830	1,860
Rent	51.5	52.2	54,267	53,626	2,480	2,440
Agricultural chemicals	62.4	66.0	19,037	18,901	870	860
Fertilizer, lime, and soil conditioners	57.3	64.8	28,446	30,330	1,300	1,380
Interest	51.3	53.8	12,254	11,429	560	520
Taxes	100.0	100.0	30,635	31,209	1,400	1,420
Labor	26.5	26.9	17,287	12,088	790	550
Fuel	75.2	77.4	11,160	10,110	510	460
Farm supplies and repairs	76.4	81.2	17,068	18,022	780	820
Farm improvements and construction	45.5	48.3	7,221	10,330	330	470
Tractors and self-propelled farm machinery	12.7	16.3	9,956	12,527	455	570
Other farm machinery	12.4	18.0	4,267	5,714	195	260
Seeds and plants	60.0	66.0	27,571	27,473	1,260	1,250
Trucks and autos	18.4	15.4	4,705	4,176	215	190
Miscellaneous capital expenses	6.5	8.3	547	659	25	30
Total farm production expenditures	100.0	100.0	460,832	445,714	21,060	20,280

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.7	23.1	18,097	18,907	4,470	4,670
Feed	70.1	74.2	19,150	16,194	4,730	4,000
Farm services	89.1	89.7	11,457	10,891	2,830	2,690
Rent	20.6	20.1	3,441	3,441	850	850
Agricultural chemicals	31.7	37.9	2,551	2,632	630	650
Fertilizer, lime, and soil conditioners	34.6	45.3	3,927	4,534	970	1,120
Interest	16.8	14.3	2,308	1,619	570	400
Taxes	99.9	100.0	4,211	3,765	1,040	930
Labor	24.9	23.1	6,235	5,911	1,540	1,460
Fuel	75.6	84.8	3,320	3,158	820	780
Farm supplies and repairs	70.6	81.5	3,603	4,008	890	990
Farm improvements and construction	34.1	42.1	3,927	3,846	970	950
Tractors and self-propelled farm machinery	10.2	13.8	4,332	5,830	1,070	1,440
Other farm machinery	5.9	10.1	972	1,296	240	320
Seeds and plants	17.8	24.8	3,482	3,684	860	910
Trucks and autos	6.9	9.4	2,024	2,105	500	520
Miscellaneous capital expenses	2.7	3.7	223	364	55	90
Total farm production expenditures	100.0	100.0	93,259	92,186	23,035	22,770

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.4	25.3	22,932	14,296	3,050	1,900
Feed	63.3	53.5	15,338	17,682	2,040	2,350
Farm services	92.5	82.8	20,977	20,015	2,790	2,660
Rent	41.4	38.5	20,827	19,714	2,770	2,620
Agricultural chemicals	48.8	47.3	9,774	10,459	1,300	1,390
Fertilizer, lime, and soil conditioners	43.6	46.4	15,263	15,275	2,030	2,030
Interest	45.6	34.5	7,368	7,449	980	990
Taxes	100.0	100.0	7,218	6,998	960	930
Labor	22.1	24.2	7,293	7,524	970	1,000
Fuel	84.1	81.4	6,992	7,524	930	1,000
Farm supplies and repairs	78.8	76.9	10,902	11,211	1,450	1,490
Farm improvements and construction	49.7	34.8	6,842	6,471	910	860
Tractors and self-propelled farm machinery	10.7	12.9	7,519	14,296	1,000	1,900
Other farm machinery	12.9	12.6	3,534	6,998	470	930
Seeds and plants	36.5	36.5	13,233	15,049	1,760	2,000
Trucks and autos	15.1	16.1	3,647	6,170	485	820
Miscellaneous capital expenses	5.2	9.3	414	903	55	120
Total farm production expenditures	100.0	100.0	180,075	188,036	23,950	24,990

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.2	27.7	13,172	15,248	4,080	4,720
Feed	50.7	50.5	35,448	35,471	10,980	10,980
Farm services	93.2	90.2	41,065	44,872	12,720	13,890
Rent	23.1	23.9	15,787	15,894	4,890	4,920
Agricultural chemicals	37.8	37.9	11,784	13,568	3,650	4,200
Fertilizer, lime, and soil conditioners	42.2	40.5	13,140	14,860	4,070	4,600
Interest	23.9	26.7	6,909	6,558	2,140	2,030
Taxes	97.4	96.5	7,845	8,270	2,430	2,560
Labor	32.1	33.5	58,499	65,224	18,120	20,190
Fuel	79.0	79.9	9,007	7,818	2,790	2,420
Farm supplies and repairs	74.2	78.0	13,688	15,054	4,240	4,660
Farm improvements and construction	44.1	48.4	9,524	12,728	2,950	3,940
Tractors and self-propelled farm machinery	12.0	13.1	5,391	5,686	1,670	1,760
Other farm machinery	10.1	9.7	2,066	2,455	640	760
Seeds and plants	30.6	30.1	10,428	10,919	3,230	3,380
Trucks and autos	12.3	12.6	2,647	3,134	820	970
Miscellaneous capital expenses	5.9	5.2	323	388	100	120
Total farm production expenditures	100.0	100.0	256,723	278,146	79,520	86,100

Farm Production Expenditures Total by Year – West Region: 2016-2020

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

Expenditure	2016	2017	2018	2019	2020
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	2,950	3,670	4,510	4,080	4,720
Feed	9,450	9,600	9,900	10,980	10,980
Farm services	11,250	12,710	13,400	12,720	13,890
Rent	4,300	4,740	4,210	4,890	4,920
Agricultural chemicals	3,320	3,560	3,380	3,650	4,200
Fertilizer, lime, and soil conditioners	4,250	4,080	4,020	4,070	4,600
Interest	1,770	1,970	1,820	2,140	2,030
Taxes	2,150	2,190	2,220	2,430	2,560
Labor	16,250	18,550	16,930	18,120	20,190
Fuel	2,440	2,440	2,360	2,790	2,420
Farm supplies and repairs	4,090	4,450	3,640	4,240	4,660
Farm improvements and construction	3,150	3,250	3,240	2,950	3,940
Tractors and self-propelled farm machinery	1,360	1,950	1,540	1,670	1,760
Other farm machinery	710	800	570	640	760
Seeds and plants	3,040	3,690	3,400	3,230	3,380
Trucks and autos	710	1,030	860	820	970
Miscellaneous capital expenses	180	100	150	100	120
Total farm production expenditures	71,370	78,780	76,150	79,520	86,100

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.6	23.6	17,167	17,098	1,200	1,190
Feed	36.9	30.3	67,239	61,494	4,700	4,280
Farm services	99.1	93.9	101,288	110,345	7,080	7,680
Rent	18.9	24.7	41,631	31,322	2,910	2,180
Agricultural chemicals	51.2	48.9	34,764	34,052	2,430	2,370
Fertilizer, lime, and soil conditioners	54.9	54.3	32,618	31,178	2,280	2,170
Interest	24.3	25.8	13,305	11,638	930	810
Taxes	100.0	100.0	18,598	18,966	1,300	1,320
Labor	56.8	55.0	176,824	180,460	12,360	12,560
Fuel	78.4	81.6	18,670	14,368	1,305	1,000
Farm supplies and repairs	70.6	83.1	31,617	26,437	2,210	1,840
Farm improvements and construction	36.5	47.4	16,595	26,006	1,160	1,810
Tractors and self-propelled farm machinery	8.4	13.4	8,155	8,046	570	560
Other farm machinery	7.8	8.8	2,718	3,017	190	210
Seeds and plants	30.1	32.2	25,179	23,563	1,760	1,640
Trucks and autos	12.1	10.3	4,292	3,592	300	250
Miscellaneous capital expenses	2.3	6.7	143	575	10	40
Total farm production expenditures	100.0	100.0	610,801	602,155	42,695	41,910

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2019 and 2020

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

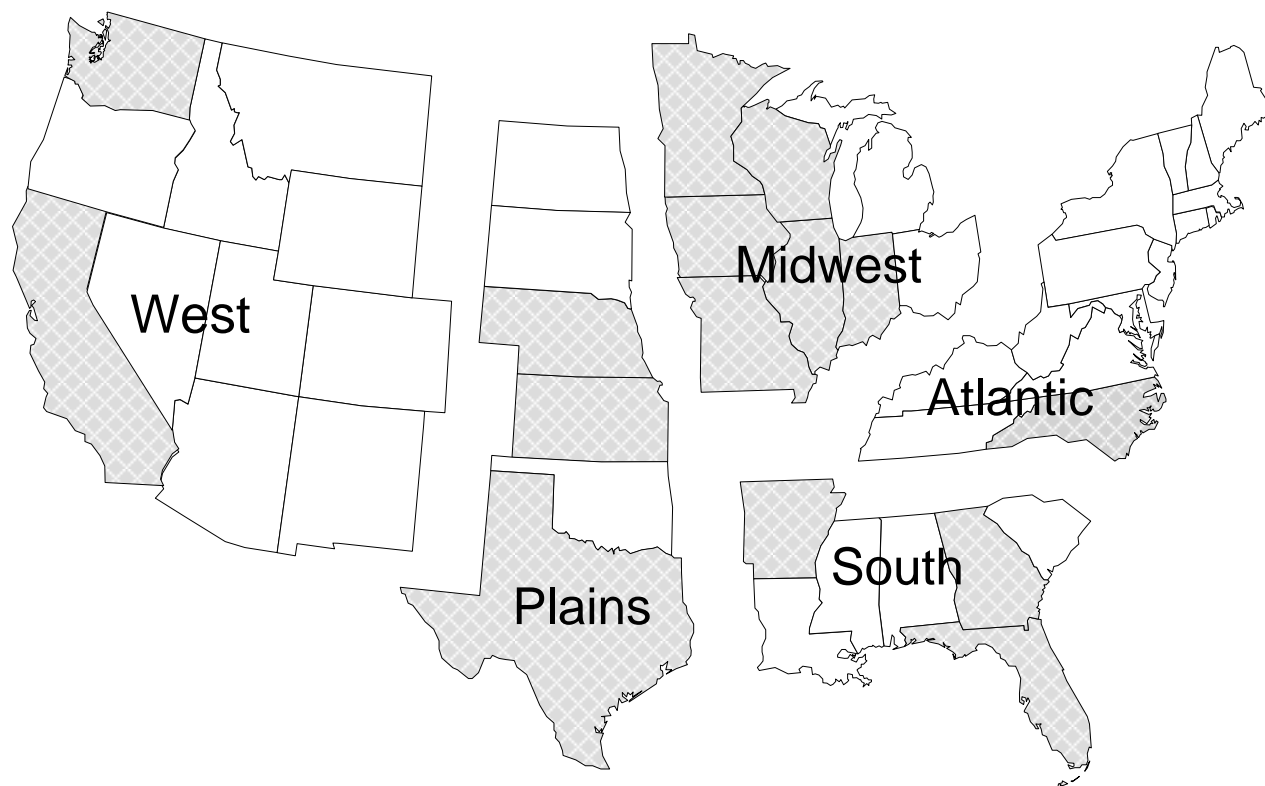
Expenditure	Farms reporting		Average per farm		Total expenditures	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.5	22.4	4,213	11,831	150	420
Feed	56.1	48.8	17,697	24,225	630	860
Farm services	86.6	85.4	38,483	43,662	1,370	1,550
Rent	17.3	20.7	10,955	19,718	390	700
Agricultural chemicals	35.8	36.5	11,236	17,746	400	630
Fertilizer, lime, and soil conditioners	36.5	41.1	9,831	14,366	350	510
Interest	23.6	24.3	3,933	5,070	140	180
Taxes	100.0	100.0	5,899	8,451	210	300
Labor	27.6	24.6	62,360	72,394	2,220	2,570
Fuel	81.6	79.1	5,197	7,324	185	260
Farm supplies and repairs	78.1	79.0	9,551	14,930	340	530
Farm improvements and construction	43.8	42.8	5,618	11,831	200	420
Tractors and self-propelled farm machinery	9.7	12.5	4,213	7,042	150	250
Other farm machinery	7.0	9.2	1,404	2,535	50	90
Seeds and plants	24.8	30.4	7,022	9,014	250	320
Trucks and autos	9.7	11.8	1,264	2,535	45	90
Miscellaneous capital expenses	2.1	3.1	140	282	5	10
Total farm production expenditures	100.0	100.0	199,017	272,958	7,085	9,690

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.4	30.0	13,366	15,212	2,730	3,110
Feed	54.4	57.7	27,662	28,564	5,650	5,840
Farm services	92.3	89.8	20,906	22,793	4,270	4,660
Rent	25.6	24.2	7,785	9,978	1,590	2,040
Agricultural chemicals	33.6	34.5	4,015	5,869	820	1,200
Fertilizer, lime, and soil conditioners	38.9	35.8	7,050	9,391	1,440	1,920
Interest	23.8	27.5	5,239	5,087	1,070	1,040
Taxes	96.1	94.7	4,504	4,598	920	940
Labor	24.5	27.8	17,332	24,749	3,540	5,060
Fuel	78.8	79.5	6,365	5,674	1,300	1,160
Farm supplies and repairs	74.8	76.1	8,274	11,201	1,690	2,290
Farm improvements and construction	46.8	49.7	7,785	8,364	1,590	1,710
Tractors and self-propelled farm machinery	13.6	13.1	4,651	4,647	950	950
Other farm machinery	11.5	10.0	1,958	2,250	400	460
Seeds and plants	31.8	29.4	5,973	6,945	1,220	1,420
Trucks and autos	12.8	13.6	2,326	3,081	475	630
Miscellaneous capital expenses	7.8	5.0	416	342	85	70
Total farm production expenditures	100.0	100.0	145,606	168,745	29,740	34,500

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 (Core) 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 2020 Agricultural Resource Management Survey

Publication: *Farm Production Expenditures 2020 Summary* was released on July 30, 2021.

Data Collection: The Agricultural Resource Management Survey (ARMS III) was conducted January through May of 2021.

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 2020 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 2020 sample was 33,892 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 2020, there was one COP commodity: Hogs. The States involved for this year were:

Oklahoma, Texas, Kansas, Nebraska, South Dakota, Illinois, Missouri, Iowa, Minnesota, Indiana, Michigan, Ohio, North Carolina, and Pennsylvania.

Terms and Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

Statistical Procedures

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

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

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

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

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

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

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

After data are summarized, a combined NASS/ERS Board is used for outlier treatment and confirmation of National Expenditure Estimates. This board procedure is consistent with the procedure used to set estimates for other NASS surveys. Seventeen United States level line items are set first on the rounded indication. After the Farm Production Expenditures Board formally approves the national estimates, NASS and ERS staff 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.

Tony Dorn, Chief, Environmental, Economics, and Demographics Branch	(202) 720-6146
Bruce Boess, Head, Economics Section.....	(202) 720-4447
Stephanie Brennan – Farm Production Expenditures.....	(202) 690-0392
Kuan Chen – Prices, Prices Indexes, Parity Prices.....	(202) 690-3347
Doug Farmer – Chemical Use, Land Values.....	(202) 690-3229
Zoe Johnson – Cash Receipts, Farm Production Expenditures	(202) 720-5446
Thomas Laidley – Prices Received Indexes, Parity Prices.....	(202) 221-9280
Michael Mathison – Cash Rents, Farms, Land in Farms, Grazing Fees	(202) 720-3243
Max Reason – Prices Received Indexes, Parity Prices, Prices Paid Indexes	(202) 720-8844
Theresa Varner – Farm Labor	(202) 690-3231

Released July 30, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.