



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 1949-0895

Farm Production Expenditures 2019 Summary

July 2020

USDA



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2019 United States Total Farm Production Expenditure Highlights

Farm production expenditures in the United States are estimated at \$357.8 billion for 2019, up from \$354.0 billion in 2018. The 2019 total farm production expenditures are up 1.1 percent compared with 2018 total farm production expenditures. For the 17 line items, nine showed an increase from previous year, while seven showed a decrease, and one remained the same.

The four largest expenditures at the United States level total \$179.8 billion and account for 50.3 percent of total expenditures in 2019. These include feed, 16.6 percent, farm services, 12.0 percent, livestock, poultry, and related expenses, 12.0 percent, and labor, 9.7 percent.

In 2019, the United States total farm expenditure average per farm is \$177,564, up 1.4 percent from \$175,169 in 2018. On average, United States farm operations spent \$29,478 on feed, \$21,240 on livestock, poultry, and related expenses, \$21,240 on farm services, and \$17,270 on labor. For 2018, United States farms spent an average of \$26,622 on feed, \$21,822 on farm services, \$22,911 on livestock, poultry, and related expenses, and \$16,775 on labor.

Total fuel expense is \$12.3 billion. Diesel, the largest sub component, is \$7.9 billion, accounting for 64.2 percent. Diesel expenditures are down 2.5 percent from the previous year. Gasoline is \$2.2 billion, up 5.2 percent. LP gas is \$1.5 billion, up 2.8 percent. Other fuel is \$710 million, up 7.6 percent.

The United States economic sales class contributing most to the 2019 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$113.7 billion, 31.8 percent of the United States total, up 0.3 percent from the 2018 level of \$113.3 billion. The next highest is the \$5,000,000 and over class with \$97.9 billion, up from \$92.5 billion in 2018.

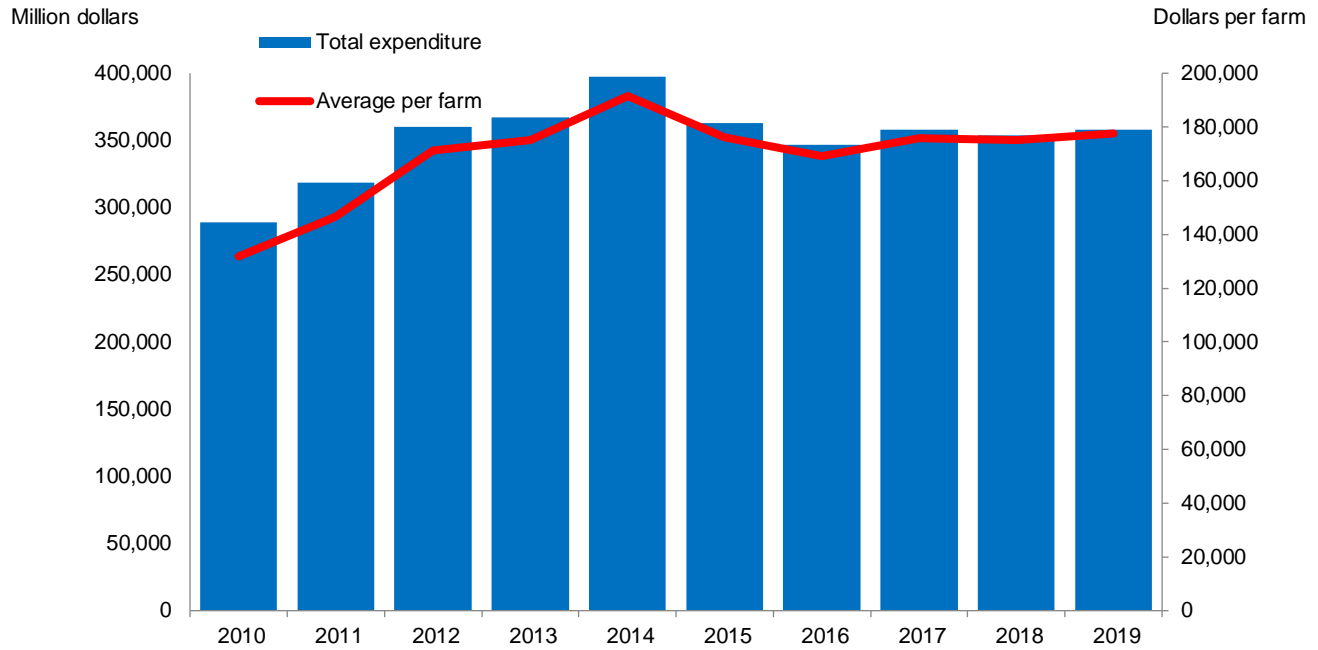
In 2019, crop farms expenditures decreased to \$181.6 billion, down 0.1 percent, while livestock farms expenditures increased to \$176.2 billion, up 2.4 percent. The largest expenditures for crop farms are labor at \$25.4 billion (14.0 percent), rent at \$25.0 billion (13.8 percent of total), and farm services at \$24.0 billion (13.2 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$51.7 billion, accounting for 28.5 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$57.9 billion (32.9 percent of total), livestock, poultry, and related expenses at \$40.8 billion (23.2 percent), and farm services at \$18.8 billion (10.7 percent). Together, these line items account for 66.7 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$192,451 compared to \$164,447 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$111.5 billion (31.2 percent), up from \$104.7 billion in 2018. Other regions, ranked by total expenditures, are the Plains at \$87.9 billion (24.6 percent), West at \$79.5 billion (22.2 percent), Atlantic at \$42.1 billion (11.8 percent), and South at \$36.8 billion (10.3 percent). The Plains decreased \$3.82 billion from 2018, which is the largest regional decrease.

Combined total expenditures for the 15 estimate states is \$242.2 billion in 2019 (67.7 percent of the United States total expenditures) and \$232.8 billion in 2018 (65.8 percent). California contributed most to the 2019 United States total expenditures, with expenses of \$42.7 billion, (11.9 percent). California expenditures are up 16.1 percent from the 2018 estimate of \$36.8 billion. Iowa, the next leading state, has \$30.4 billion in expenses, (8.5 percent). Other states with more than \$20 billion in total expenditures are Texas with \$23.0 billion and Nebraska with \$21.1 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: 2010-2019



Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2018 and 2019

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

Expenditure	2018		2019	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry, and related expenses	46,300	13.1	42,800	12.0
Feed	53,800	15.2	59,400	16.6
Farm services	44,100	12.5	42,800	12.0
Rent	28,800	8.1	29,700	8.3
Agricultural chemicals	15,400	4.4	15,500	4.3
Fertilizer, lime, and soil conditioners	23,200	6.6	22,300	6.2
Interest	9,800	2.8	10,500	2.9
Taxes	12,800	3.6	13,400	3.7
Labor	33,900	9.6	34,800	9.7
Fuel	12,300	3.5	12,300	3.4
Farm supplies and repairs	17,200	4.9	17,600	4.9
Farm improvements and construction	12,700	3.6	13,500	3.8
Tractors and self-propelled farm machinery	11,300	3.2	11,900	3.3
Other farm machinery	5,200	1.5	5,100	1.4
Seeds and plants	21,900	6.2	21,200	5.9
Trucks and autos	4,610	1.3	4,430	1.2
Miscellaneous capital expenses	690	0.2	570	0.2
Total farm production expenditures	354,000	100.0	357,800	100.0

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.1	24.7	22,911	21,240	46,300	42,800
Feed	55.8	53.0	26,622	29,478	53,800	59,400
Farm services	92.7	90.0	21,822	21,240	44,100	42,800
Rent	27.3	28.0	14,251	14,739	28,800	29,700
Agricultural chemicals	45.4	41.8	7,620	7,692	15,400	15,500
Fertilizer, lime, and soil conditioners	50.2	48.6	11,480	11,067	23,200	22,300
Interest	31.8	29.8	4,849	5,211	9,800	10,500
Taxes	99.6	99.6	6,334	6,650	12,800	13,400
Labor	23.1	23.0	16,775	17,270	33,900	34,800
Fuel	84.6	81.5	6,086	6,104	12,300	12,300
Farm supplies and repairs	81.6	77.8	8,511	8,734	17,200	17,600
Farm improvements and construction	44.5	44.5	6,284	6,700	12,700	13,500
Tractors and self-propelled farm machinery	13.0	13.0	5,592	5,906	11,300	11,900
Other farm machinery	14.9	13.3	2,573	2,531	5,200	5,100
Seeds and plants	38.4	37.2	10,837	10,521	21,900	21,200
Trucks and autos	12.2	11.0	2,281	2,198	4,610	4,430
Miscellaneous capital expenses	4.8	4.3	341	283	690	570
Total farm production expenditures	100.0	100.0	175,169	177,564	354,000	357,800

Farm Production Expenditures by Year – United States: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	45,400	40,000	41,600	46,300	42,800
Feed	58,500	55,600	54,500	53,800	59,400
Farm services	41,600	41,700	43,100	44,100	42,800
Rent	31,000	29,800	29,700	28,800	29,700
Agricultural chemicals	14,600	15,200	15,700	15,400	15,500
Fertilizer, lime, and soil conditioners	25,500	23,500	22,000	23,200	22,300
Interest	9,500	9,100	9,700	9,800	10,500
Taxes	12,800	11,900	12,700	12,800	13,400
Labor	31,800	34,100	36,000	33,900	34,800
Fuel	12,300	11,300	11,900	12,300	12,300
Farm supplies and repairs	18,700	17,600	18,000	17,200	17,600
Farm improvements and construction	16,100	14,500	16,200	12,700	13,500
Tractors and self-propelled farm machinery	11,900	10,600	12,500	11,300	11,900
Other farm machinery	6,100	5,000	5,700	5,200	5,100
Seeds and plants	21,300	21,800	22,500	21,900	21,200
Trucks and autos	5,000	4,400	5,400	4,610	4,430
Miscellaneous capital expenses	700	800	600	690	570
Total farm production expenditures	362,800	346,900	357,800	354,000	357,800

Farm Production Expenditures by Percent of Total – United States: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry, and related expenses	12.5	11.5	11.6	13.1	12.0
Feed	16.1	16.0	15.2	15.2	16.6
Farm services	11.5	12.0	12.0	12.5	12.0
Rent	8.5	8.6	8.3	8.1	8.3
Agricultural chemicals	4.0	4.4	4.4	4.4	4.3
Fertilizer, lime, and soil conditioners	7.0	6.8	6.1	6.6	6.2
Interest	2.6	2.6	2.7	2.8	2.9
Taxes	3.5	3.4	3.5	3.6	3.7
Labor	8.8	9.8	10.1	9.6	9.7
Fuel	3.4	3.3	3.3	3.5	3.4
Farm supplies and repairs	5.2	5.1	5.0	4.9	4.9
Farm improvements and construction	4.4	4.2	4.5	3.6	3.8
Tractors and self-propelled farm machinery	3.3	3.1	3.5	3.2	3.3
Other farm machinery	1.7	1.4	1.6	1.5	1.4
Seeds and plants	5.9	6.3	6.3	6.2	5.9
Trucks and autos	1.4	1.3	1.5	1.3	1.2
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: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	8.8	10.3	2,401	2,119	2,100	2,000
Feed	18.0	16.5	1,715	1,589	1,500	1,500
Farm services	88.7	85.8	28,360	25,428	24,800	24,000
Rent	31.0	29.1	27,560	26,488	24,100	25,000
Agricultural chemicals	57.0	53.0	15,781	14,727	13,800	13,900
Fertilizer, lime, and soil conditioners	61.3	59.9	22,757	20,025	19,900	18,900
Interest	34.8	29.7	6,404	5,933	5,600	5,600
Taxes	99.8	99.6	9,149	9,006	8,000	8,500
Labor	26.4	24.8	28,017	26,912	24,500	25,400
Fuel	80.4	77.8	8,920	8,158	7,800	7,700
Farm supplies and repairs	76.9	72.3	12,236	11,337	10,700	10,700
Farm improvements and construction	41.6	40.7	7,433	6,781	6,500	6,400
Tractors and self-propelled farm machinery	13.9	13.3	8,119	8,052	7,100	7,600
Other farm machinery	15.4	13.3	3,820	3,232	3,340	3,050
Seeds and plants	53.9	52.3	22,300	20,025	19,500	18,900
Trucks and autos	12.3	11.6	2,745	2,405	2,400	2,270
Miscellaneous capital expenses	4.1	3.3	309	233	270	220
Total farm production expenditures	100.0	100.0	208,026	192,451	181,910	181,640

Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	37.4	37.4	38,554	38,087	44,200	40,800
Feed	84.7	85.2	45,619	54,050	52,300	57,900
Farm services	95.7	93.7	16,835	17,550	19,300	18,800
Rent	24.6	27.0	4,100	4,388	4,700	4,700
Agricultural chemicals	36.6	32.0	1,396	1,494	1,600	1,600
Fertilizer, lime, and soil conditioners	41.6	38.7	2,878	3,174	3,300	3,400
Interest	29.6	29.9	3,664	4,574	4,200	4,900
Taxes	99.5	99.5	4,187	4,574	4,800	4,900
Labor	20.7	21.5	8,199	8,775	9,400	9,400
Fuel	87.8	84.8	3,925	4,294	4,500	4,600
Farm supplies and repairs	85.3	82.6	5,670	6,441	6,500	6,900
Farm improvements and construction	46.6	47.8	5,408	6,628	6,200	7,100
Tractors and self-propelled farm machinery	12.3	12.8	3,664	4,014	4,200	4,300
Other farm machinery	14.6	13.3	1,622	1,914	1,860	2,050
Seeds and plants	26.6	23.9	2,093	2,147	2,400	2,300
Trucks and autos	12.1	10.3	1,928	2,016	2,210	2,160
Miscellaneous capital expenses	5.3	5.1	366	327	420	350
Total farm production expenditures	100.0	100.0	150,108	164,447	172,090	176,160

Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000	4.7	4.5	15,996	15,684	16,490	16,150
\$10,000 - \$49,999	5.0	4.7	36,667	34,958	17,640	16,700
\$50,000 - \$99,999	3.3	3.2	87,053	86,221	11,760	11,620
\$100,000 - \$249,999	6.8	6.4	178,338	170,280	24,040	23,010
\$250,000 - \$499,999	8.9	8.9	354,357	359,241	31,350	31,800
\$500,000 - \$999,999	13.3	13.1	651,360	660,476	46,950	46,940
\$1,000,000 - \$4,999,999	32.0	31.8	1,627,496	1,640,352	113,290	113,660
\$5,000,000 and over	26.1	27.4	10,426,156	11,051,919	92,480	97,920
Total farm production expenditures	100.0	100.0	175,169	177,564	354,000	357,800

Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	19.2	17.2	446	388	460	400
Feed	57.9	51.8	1,649	1,457	1,700	1,500
Farm services	88.6	84.2	2,202	1,797	2,270	1,850
Rent	9.0	10.1	175	253	180	260
Agricultural chemicals	27.0	23.3	136	146	140	150
Fertilizer, lime, and soil conditioners	32.0	32.1	398	379	410	390
Interest	18.4	15.5	786	709	810	730
Taxes	99.5	99.2	2,250	2,273	2,320	2,340
Labor	11.3	12.1	524	379	540	390
Fuel	77.2	72.5	795	767	820	790
Farm supplies and repairs	72.7	68.3	1,135	1,088	1,170	1,120
Farm improvements and construction	35.1	36.1	2,134	2,719	2,200	2,800
Tractors and self-propelled farm machinery	9.1	9.2	1,533	1,486	1,580	1,530
Other farm machinery	8.7	7.5	456	495	470	510
Seeds and plants	18.5	20.2	175	262	180	270
Trucks and autos	9.0	7.3	1,038	942	1,070	970
Miscellaneous capital expenses	3.3	3.3	165	146	170	150
Total farm production expenditures	100.0	100.0	15,996	15,684	16,490	16,150

Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.1	26.1	1,767	1,570	850	750
Feed	56.8	57.9	2,869	2,931	1,380	1,400
Farm services	93.7	92.4	5,197	4,898	2,500	2,340
Rent	27.0	26.3	1,393	1,319	670	630
Agricultural chemicals	47.4	41.8	769	754	370	360
Fertilizer, lime, and soil conditioners	55.9	50.3	2,141	1,800	1,030	860
Interest	29.4	26.3	1,642	1,403	790	670
Taxes	99.5	99.8	3,409	4,040	1,640	1,930
Labor	20.7	19.0	1,663	1,444	800	690
Fuel	87.1	85.1	1,933	1,696	930	810
Farm supplies and repairs	84.8	79.9	2,806	2,742	1,350	1,310
Farm improvements and construction	46.6	43.0	3,409	3,412	1,640	1,630
Tractors and self-propelled farm machinery	13.9	12.7	3,097	2,952	1,490	1,410
Other farm machinery	16.5	12.8	1,247	1,047	600	500
Seeds and plants	40.7	33.7	1,289	1,109	620	530
Trucks and autos	11.1	9.8	1,642	1,591	790	760
Miscellaneous capital expenses	5.2	3.5	395	251	190	120
Total farm production expenditures	100.0	100.0	36,667	34,958	17,640	16,700

Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.8	34.0	4,367	4,452	590	600
Feed	54.3	50.0	5,404	5,194	730	700
Farm services	99.7	98.4	12,880	12,391	1,740	1,670
Rent	49.2	50.2	6,070	5,342	820	720
Agricultural chemicals	70.2	67.7	3,849	3,562	520	480
Fertilizer, lime, and soil conditioners	74.2	71.2	7,032	6,233	950	840
Interest	44.9	45.6	3,405	3,413	460	460
Taxes	100.0	100.0	5,922	6,010	800	810
Labor	30.2	33.2	5,330	5,417	720	730
Fuel	94.9	92.1	4,664	4,452	630	600
Farm supplies and repairs	95.4	89.5	6,884	6,010	930	810
Farm improvements and construction	52.5	59.1	5,774	6,455	780	870
Tractors and self-propelled farm machinery	12.0	21.2	4,738	7,420	640	1,000
Other farm machinery	16.8	19.1	1,777	1,855	240	250
Seeds and plants	64.2	59.3	5,700	5,120	770	690
Trucks and autos	13.9	14.9	2,813	2,449	380	330
Miscellaneous capital expenses	7.0	5.2	444	445	60	60
Total farm production expenditures	100.0	100.0	87,053	86,221	11,760	11,620

Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.2	32.3	8,160	9,250	1,100	1,250
Feed	49.0	48.6	11,795	12,950	1,590	1,750
Farm services	99.9	99.6	24,629	23,533	3,320	3,180
Rent	61.3	65.3	16,469	16,725	2,220	2,260
Agricultural chemicals	81.6	79.1	9,941	8,880	1,340	1,200
Fertilizer, lime, and soil conditioners	83.7	81.8	17,136	14,801	2,310	2,000
Interest	59.6	55.9	6,528	6,512	880	880
Taxes	99.9	100.0	9,644	9,176	1,300	1,240
Labor	39.1	39.6	12,018	11,174	1,620	1,510
Fuel	97.0	94.9	9,050	8,066	1,220	1,090
Farm supplies and repairs	96.5	95.7	12,760	12,802	1,720	1,730
Farm improvements and construction	57.6	56.8	9,050	7,400	1,220	1,000
Tractors and self-propelled farm machinery	18.6	15.1	8,383	7,104	1,130	960
Other farm machinery	25.4	21.6	4,228	4,292	570	580
Seeds and plants	76.1	78.5	13,947	13,913	1,880	1,880
Trucks and autos	17.6	15.3	4,006	3,256	540	440
Miscellaneous capital expenses	7.7	7.2	593	444	80	60
Total farm production expenditures	100.0	100.0	178,338	170,280	24,040	23,010

Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	36.5	36.4	19,216	15,816	1,700	1,400
Feed	48.0	48.2	24,867	24,627	2,200	2,180
Farm services	100.0	100.0	47,135	49,254	4,170	4,360
Rent	78.6	75.4	43,065	45,300	3,810	4,010
Agricultural chemicals	86.1	89.3	22,380	22,707	1,980	2,010
Fertilizer, lime, and soil conditioners	88.0	90.5	34,023	34,568	3,010	3,060
Interest	65.0	69.3	12,434	14,347	1,100	1,270
Taxes	99.8	100.0	15,825	16,719	1,400	1,480
Labor	53.6	51.0	24,302	24,853	2,150	2,200
Fuel	98.1	98.9	15,372	15,929	1,360	1,410
Farm supplies and repairs	96.9	98.0	21,702	21,464	1,920	1,900
Farm improvements and construction	62.8	61.3	9,834	13,782	870	1,220
Tractors and self-propelled farm machinery	21.5	18.0	15,485	10,732	1,370	950
Other farm machinery	29.2	30.1	8,477	8,360	750	740
Seeds and plants	88.2	83.9	34,249	35,020	3,030	3,100
Trucks and autos	21.2	20.5	5,426	5,084	480	450
Miscellaneous capital expenses	6.3	8.2	565	678	50	60
Total farm production expenditures	100.0	100.0	354,357	359,241	31,350	31,800

Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	34.8	43.0	45,782	53,468	3,300	3,800
Feed	42.6	50.6	47,170	62,896	3,400	4,470
Farm services	100.0	99.8	80,466	80,203	5,800	5,700
Rent	79.0	75.6	84,628	85,831	6,100	6,100
Agricultural chemicals	89.3	86.4	40,927	40,805	2,950	2,900
Fertilizer, lime, and soil conditioners	88.4	84.0	65,344	60,082	4,710	4,270
Interest	71.3	77.0	20,117	20,262	1,450	1,440
Taxes	100.0	100.0	24,695	25,468	1,780	1,810
Labor	68.7	62.8	53,690	44,745	3,870	3,180
Fuel	98.9	99.8	25,805	26,593	1,860	1,890
Farm supplies and repairs	98.3	97.8	35,932	36,443	2,590	2,590
Farm improvements and construction	69.9	70.2	23,030	19,558	1,660	1,390
Tractors and self-propelled farm machinery	25.0	24.1	23,446	26,593	1,690	1,890
Other farm machinery	32.9	31.2	11,654	12,241	840	870
Seeds and plants	87.4	84.0	61,043	57,267	4,400	4,070
Trucks and autos	22.8	25.5	6,937	7,457	500	530
Miscellaneous capital expenses	8.6	5.2	694	563	50	40
Total farm production expenditures	100.0	100.0	651,360	660,476	46,950	46,940

Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	53.6	54.8	214,050	202,049	14,900	14,000
Feed	57.9	59.4	295,934	291,528	20,600	20,200
Farm services	100.0	100.0	205,430	193,390	14,300	13,400
Rent	69.3	74.1	165,206	163,083	11,500	11,300
Agricultural chemicals	84.7	82.4	80,448	83,706	5,600	5,800
Fertilizer, lime, and soil conditioners	76.7	80.2	112,053	112,570	7,800	7,800
Interest	80.3	79.3	40,942	49,791	2,850	3,450
Taxes	100.0	100.0	36,776	38,967	2,560	2,700
Labor	76.3	76.1	147,967	158,753	10,300	11,000
Fuel	99.6	99.5	52,866	53,110	3,680	3,680
Farm supplies and repairs	97.8	98.1	66,370	73,604	4,620	5,100
Farm improvements and construction	72.5	74.7	30,599	37,812	2,130	2,620
Tractors and self-propelled farm machinery	28.2	31.6	39,362	47,915	2,740	3,320
Other farm machinery	33.5	32.8	19,537	19,628	1,360	1,360
Seeds and plants	76.2	76.7	109,180	102,468	7,600	7,100
Trucks and autos	26.7	26.7	9,769	10,968	680	760
Miscellaneous capital expenses	7.1	9.4	1,006	1,010	70	70
Total farm production expenditures	100.0	100.0	1,627,496	1,640,352	113,290	113,660

Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	54.0	63.7	2,638,106	2,325,056	23,400	20,600
Feed	60.6	64.6	2,502,818	3,069,977	22,200	27,200
Farm services	100.0	100.0	1,127,396	1,162,528	10,000	10,300
Rent	68.1	70.6	394,589	498,871	3,500	4,420
Agricultural chemicals	84.8	80.9	281,849	293,454	2,500	2,600
Fertilizer, lime, and soil conditioners	77.9	77.2	335,964	347,630	2,980	3,080
Interest	81.7	79.7	164,600	180,587	1,460	1,600
Taxes	100.0	100.0	112,740	123,025	1,000	1,090
Labor	95.2	91.8	1,567,080	1,704,289	13,900	15,100
Fuel	100.0	98.2	202,931	229,120	1,800	2,030
Farm supplies and repairs	98.6	97.1	326,945	343,115	2,900	3,040
Farm improvements and construction	81.7	81.2	248,027	222,348	2,200	1,970
Tractors and self-propelled farm machinery	36.1	36.7	74,408	94,808	660	840
Other farm machinery	37.0	33.5	41,714	32,731	370	290
Seeds and plants	77.0	75.8	385,569	401,806	3,420	3,560
Trucks and autos	33.4	30.4	19,166	21,445	170	190
Miscellaneous capital expenses	9.0	11.0	2,255	1,129	20	10
Total farm production expenditures	100.0	100.0	10,426,156	11,051,919	92,480	97,920

Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms	7,800	7,700	5,400	5,300	1,230	1,260	740	740	430	400
Livestock farms	4,500	4,600	2,700	2,600	900	980	670	710	230	310

Economic class	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000	820	790	440	440	300	270	50	60	30	20
\$10,000 - \$49,999	930	810	600	510	250	230	60	50	20	20
\$50,000 - \$99,999	630	600	400	380	160	160	50	50	20	10
\$100,000 - \$249,999	1,220	1,090	860	710	220	230	100	110	40	40
\$250,000 - \$499,999	1,360	1,410	1,000	940	200	250	120	180	40	40
\$500,000 - \$999,999	1,860	1,890	1,290	1,250	280	310	210	220	80	110
\$1,000,000 - \$4,999,999	3,680	3,680	2,390	2,390	460	460	540	560	290	270
\$5,000,000 and over	1,800	2,030	1,120	1,280	260	330	280	220	140	200

Region	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic	1,560	1,550	930	910	280	300	220	200	130	140
South	1,510	1,450	950	890	270	300	190	170	100	90
Midwest	3,820	3,730	2,540	2,270	480	500	640	750	160	210
Plains	3,050	2,780	2,110	1,930	560	530	220	170	160	150
West	2,360	2,790	1,570	1,900	540	610	140	160	110	120
United States	12,300	12,300	8,100	7,900	2,130	2,240	1,410	1,450	660	710

Farm Production Expenditures – Region, State, and United States: 2018 and 2019

[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			
	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic						
North Carolina	12,110	11,595	2,770	2,460	22.9	21.2
Other States	32,915	30,530	2,210	2,200	6.7	7.2
Total	45,025	42,125	4,980	4,660	11.1	11.1
South						
Arkansas	8,160	8,570	910	1,050	11.2	12.3
Florida	5,490	6,070	80	120	1.5	2.0
Georgia	7,675	7,385	1,070	1,110	13.9	15.0
Other States	15,020	14,740	1,740	1,500	11.6	10.2
Total	36,345	36,765	3,800	3,780	10.5	10.3
Midwest						
Illinois	16,050	15,595	530	560	3.3	3.6
Indiana	10,125	10,355	550	700	5.4	6.8
Iowa	25,320	30,380	4,050	4,940	16.0	16.3
Minnesota	15,955	17,850	1,370	1,720	8.6	9.6
Missouri	10,315	10,080	1,030	1,170	10.0	11.6
Wisconsin	10,050	10,550	610	330	6.1	3.1
Other States	16,920	16,650	970	850	5.7	5.1
Total	104,735	111,460	9,110	10,270	8.7	9.2
Plains						
Kansas	17,260	19,885	6,380	6,880	37.0	34.6
Nebraska	24,240	21,060	8,090	5,610	33.4	26.6
Texas	25,080	23,035	5,910	4,470	23.6	19.4
Other States	25,165	23,950	3,520	3,050	14.0	12.7
Total	91,745	87,930	23,900	20,010	26.1	22.8
West						
California	36,770	42,695	990	1,200	2.7	2.8
Washington	8,190	7,085	230	150	2.8	2.1
Other States	31,190	29,740	3,290	2,730	10.5	9.2
Total	76,150	79,520	4,510	4,080	5.9	5.1
United States	354,000	357,800	46,300	42,800	13.1	12.0

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	3,760	3,740	31.0	32.3	1,640	1,150	13.5	9.9
Other States	5,840	5,570	17.7	18.2	4,060	3,820	12.3	12.5
Total	9,600	9,310	21.3	22.1	5,700	4,970	12.7	11.8
South								
Arkansas	2,130	2,300	26.1	26.8	940	910	11.5	10.6
Florida	510	320	9.3	5.3	640	930	11.7	15.3
Georgia	2,260	2,080	29.4	28.2	880	790	11.5	10.7
Other States	3,900	3,660	26.0	24.8	1,940	1,760	12.9	11.9
Total	8,800	8,360	24.2	22.7	4,400	4,390	12.1	11.9
Midwest								
Illinois	820	780	5.1	5.0	1,520	1,390	9.5	8.9
Indiana	1,130	1,380	11.2	13.3	990	960	9.8	9.3
Iowa	4,270	6,920	16.9	22.8	2,500	2,710	9.9	8.9
Minnesota	2,030	3,210	12.7	18.0	1,840	2,010	11.5	11.3
Missouri	1,410	1,340	13.7	13.3	1,080	1,080	10.5	10.7
Wisconsin	1,790	2,150	17.8	20.4	1,400	1,470	13.9	13.9
Other States	2,050	2,720	12.1	16.3	1,970	2,050	11.6	12.3
Total	13,500	18,500	12.9	16.6	11,300	11,670	10.8	10.5
Plains								
Kansas	2,300	3,030	13.3	15.2	1,360	1,600	7.9	8.0
Nebraska	3,100	2,450	12.8	11.6	2,010	1,830	8.3	8.7
Texas	4,750	4,730	18.9	20.5	3,100	2,830	12.4	12.3
Other States	1,850	2,040	7.4	8.5	2,830	2,790	11.2	11.6
Total	12,000	12,250	13.1	13.9	9,300	9,050	10.1	10.3
West								
California	4,500	4,700	12.2	11.0	7,330	7,080	19.9	16.6
Washington	870	630	10.6	8.9	1,650	1,370	20.1	19.3
Other States	4,530	5,650	14.5	19.0	4,420	4,270	14.2	14.4
Total	9,900	10,980	13.0	13.8	13,400	12,720	17.6	16.0
United States	53,800	59,400	15.2	16.6	44,100	42,800	12.5	12.0

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	250	310	2.1	2.7	320	310	2.6	2.7
Other States	1,290	1,120	3.9	3.7	1,010	920	3.1	3.0
Total	1,540	1,430	3.4	3.4	1,330	1,230	3.0	2.9
South								
Arkansas	730	720	8.9	8.4	460	405	5.6	4.7
Florida	110	130	2.0	2.1	300	320	5.5	5.3
Georgia	220	230	2.9	3.1	320	325	4.2	4.4
Other States	840	820	5.6	5.6	700	800	4.7	5.4
Total	1,900	1,900	5.2	5.2	1,780	1,850	4.9	5.0
Midwest								
Illinois	3,280	3,400	20.4	21.8	1,210	1,220	7.5	7.8
Indiana	1,490	1,530	14.7	14.8	560	560	5.5	5.4
Iowa	3,690	3,850	14.6	12.7	1,090	1,130	4.3	3.7
Minnesota	2,080	2,050	13.0	11.5	730	720	4.6	4.0
Missouri	1,180	1,040	11.4	10.3	580	510	5.6	5.1
Wisconsin	560	590	5.6	5.6	320	300	3.2	2.8
Other States	1,400	1,340	8.3	8.0	780	710	4.6	4.3
Total	13,680	13,800	13.1	12.4	5,270	5,150	5.0	4.6
Plains								
Kansas	1,320	1,580	7.6	7.9	770	820	4.5	4.1
Nebraska	2,440	2,480	10.1	11.8	870	870	3.6	4.1
Texas	800	850	3.2	3.7	610	630	2.4	2.7
Other States	2,910	2,770	11.6	11.6	1,390	1,300	5.5	5.4
Total	7,470	7,680	8.1	8.7	3,640	3,620	4.0	4.1
West								
California	1,950	2,910	5.3	6.8	2,000	2,430	5.4	5.7
Washington	460	390	5.6	5.5	480	400	5.9	5.6
Other States	1,800	1,590	5.8	5.3	900	820	2.9	2.8
Total	4,210	4,890	5.5	6.1	3,380	3,650	4.4	4.6
United States	28,800	29,700	8.1	8.3	15,400	15,500	4.4	4.3

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	410	430	3.4	3.7	150	190	1.2	1.6
Other States	1,950	1,720	5.9	5.6	890	1,000	2.7	3.3
Total	2,360	2,150	5.2	5.1	1,040	1,190	2.3	2.8
South								
Arkansas	485	465	5.9	5.4	180	200	2.2	2.3
Florida	310	430	5.6	7.1	100	150	1.8	2.5
Georgia	455	405	5.9	5.5	110	180	1.4	2.4
Other States	920	850	6.1	5.8	330	370	2.2	2.5
Total	2,170	2,150	6.0	5.8	720	900	2.0	2.4
Midwest								
Illinois	1,850	1,730	11.5	11.1	530	580	3.3	3.7
Indiana	1,080	950	10.7	9.2	350	400	3.5	3.9
Iowa	1,790	1,780	7.1	5.9	890	800	3.5	2.6
Minnesota	1,420	1,330	8.9	7.5	640	590	4.0	3.3
Missouri	910	840	8.8	8.3	370	430	3.6	4.3
Wisconsin	660	680	6.6	6.4	460	485	4.6	4.6
Other States	1,270	1,200	7.5	7.2	560	485	3.3	2.9
Total	8,980	8,510	8.6	7.6	3,800	3,770	3.6	3.4
Plains								
Kansas	970	1,120	5.6	5.6	390	390	2.3	2.0
Nebraska	1,360	1,300	5.6	6.2	550	560	2.3	2.7
Texas	1,060	970	4.2	4.2	530	570	2.1	2.5
Other States	2,280	2,030	9.1	8.5	950	980	3.8	4.1
Total	5,670	5,420	6.2	6.2	2,420	2,500	2.6	2.8
West								
California	2,030	2,280	5.5	5.3	710	930	1.9	2.2
Washington	380	350	4.6	4.9	150	140	1.8	2.0
Other States	1,610	1,440	5.2	4.8	960	1,070	3.1	3.6
Total	4,020	4,070	5.3	5.1	1,820	2,140	2.4	2.7
United States	23,200	22,300	6.6	6.2	9,800	10,500	2.8	2.9

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	240	270	2.0	2.3	730	880	6.0	7.6
Other States	1,540	1,550	4.7	5.1	3,360	2,750	10.2	9.0
Total	1,780	1,820	4.0	4.3	4,090	3,630	9.1	8.6
South								
Arkansas	155	175	1.9	2.0	320	380	3.9	4.4
Florida	200	180	3.6	3.0	1,540	1,710	28.1	28.2
Georgia	200	160	2.6	2.2	530	490	6.9	6.6
Other States	285	385	1.9	2.6	700	550	4.7	3.7
Total	840	900	2.3	2.4	3,090	3,130	8.5	8.5
Midwest								
Illinois	600	660	3.7	4.2	550	540	3.4	3.5
Indiana	510	480	5.0	4.6	520	435	5.1	4.2
Iowa	900	880	3.6	2.9	770	840	3.0	2.8
Minnesota	720	710	4.5	4.0	670	830	4.2	4.6
Missouri	310	330	3.0	3.3	350	395	3.4	3.9
Wisconsin	400	380	4.0	3.6	1,110	1,130	11.0	10.7
Other States	860	860	5.1	5.2	1,670	1,690	9.9	10.2
Total	4,300	4,300	4.1	3.9	5,640	5,860	5.4	5.3
Plains								
Kansas	480	550	2.8	2.8	560	760	3.2	3.8
Nebraska	1,200	1,400	5.0	6.6	780	790	3.2	3.8
Texas	1,020	1,040	4.1	4.5	2,050	1,540	8.2	6.7
Other States	960	960	3.8	4.0	760	970	3.0	4.1
Total	3,660	3,950	4.0	4.5	4,150	4,060	4.5	4.6
West								
California	1,160	1,300	3.2	3.0	10,170	12,360	27.7	28.9
Washington	250	210	3.1	3.0	2,090	2,220	25.5	31.3
Other States	810	920	2.6	3.1	4,670	3,540	15.0	11.9
Total	2,220	2,430	2.9	3.1	16,930	18,120	22.2	22.8
United States	12,800	13,400	3.6	3.7	33,900	34,800	9.6	9.7

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	290	320	2.4	2.8	330	360	2.7	3.1
Other States	1,270	1,230	3.9	4.0	2,320	2,060	7.0	6.7
Total	1,560	1,550	3.5	3.7	2,650	2,420	5.9	5.7
South								
Arkansas	390	370	4.8	4.3	355	380	4.4	4.4
Florida	170	220	3.1	3.6	300	380	5.5	6.3
Georgia	290	280	3.8	3.8	275	230	3.6	3.1
Other States	660	580	4.4	3.9	680	720	4.5	4.9
Total	1,510	1,450	4.2	3.9	1,610	1,710	4.4	4.7
Midwest								
Illinois	560	550	3.5	3.5	780	710	4.9	4.6
Indiana	380	365	3.8	3.5	520	460	5.1	4.4
Iowa	780	720	3.1	2.4	1,060	1,060	4.2	3.5
Minnesota	650	700	4.1	3.9	840	880	5.3	4.9
Missouri	395	395	3.8	3.9	580	520	5.6	5.2
Wisconsin	395	380	3.9	3.6	700	730	7.0	6.9
Other States	660	620	3.9	3.7	1,100	1,080	6.5	6.5
Total	3,820	3,730	3.6	3.3	5,580	5,440	5.3	4.9
Plains								
Kansas	490	520	2.8	2.6	600	670	3.5	3.4
Nebraska	610	510	2.5	2.4	820	780	3.4	3.7
Texas	880	820	3.5	3.6	910	890	3.6	3.9
Other States	1,070	930	4.3	3.9	1,390	1,450	5.5	6.1
Total	3,050	2,780	3.3	3.2	3,720	3,790	4.1	4.3
West								
California	970	1,305	2.6	3.1	1,530	2,210	4.2	5.2
Washington	210	185	2.6	2.6	410	340	5.0	4.8
Other States	1,180	1,300	3.8	4.4	1,700	1,690	5.5	5.7
Total	2,360	2,790	3.1	3.5	3,640	4,240	4.8	5.3
United States	12,300	12,300	3.5	3.4	17,200	17,600	4.9	4.9

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	350	330	2.9	2.8	300	240	2.5	2.1
Other States	1,950	1,990	5.9	6.5	1,670	1,620	5.1	5.3
Total	2,300	2,320	5.1	5.5	1,970	1,860	4.4	4.4
South								
Arkansas	150	250	1.8	2.9	225	260	2.8	3.0
Florida	320	395	5.8	6.5	200	130	3.6	2.1
Georgia	210	250	2.7	3.4	295	255	3.8	3.5
Other States	480	435	3.2	3.0	630	855	4.2	5.8
Total	1,160	1,330	3.2	3.6	1,350	1,500	3.7	4.1
Midwest								
Illinois	500	445	3.1	2.9	740	690	4.6	4.4
Indiana	500	420	4.9	4.1	340	480	3.4	4.6
Iowa	610	1,370	2.4	4.5	550	770	2.2	2.5
Minnesota	470	500	2.9	2.8	400	590	2.5	3.3
Missouri	450	355	4.4	3.5	510	570	4.9	5.7
Wisconsin	400	500	4.0	4.7	280	310	2.8	2.9
Other States	720	810	4.3	4.9	780	520	4.6	3.1
Total	3,650	4,400	3.5	3.9	3,600	3,930	3.4	3.5
Plains								
Kansas	190	290	1.1	1.5	380	415	2.2	2.1
Nebraska	390	330	1.6	1.6	390	455	1.6	2.2
Texas	980	970	3.9	4.2	850	1,070	3.4	4.6
Other States	790	910	3.1	3.8	1,220	1,000	4.8	4.2
Total	2,350	2,500	2.6	2.8	2,840	2,940	3.1	3.3
West								
California	1,260	1,160	3.4	2.7	340	570	0.9	1.3
Washington	400	200	4.9	2.8	150	150	1.8	2.1
Other States	1,580	1,590	5.1	5.3	1,050	950	3.4	3.2
Total	3,240	2,950	4.3	3.7	1,540	1,670	2.0	2.1
United States	12,700	13,500	3.6	3.8	11,300	11,900	3.2	3.3

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	80	90	0.7	0.8	410	400	3.4	3.4
Other States	870	740	2.6	2.4	1,900	1,630	5.8	5.3
Total	950	830	2.1	2.0	2,310	2,030	5.1	4.8
South								
Arkansas	85	80	1.0	0.9	510	480	6.3	5.6
Florida	60	35	1.1	0.6	495	510	9.0	8.4
Georgia	105	55	1.4	0.7	345	430	4.5	5.8
Other States	160	320	1.1	2.2	730	810	4.9	5.5
Total	410	490	1.1	1.3	2,080	2,230	5.7	6.1
Midwest								
Illinois	440	340	2.7	2.2	1,940	1,820	12.1	11.7
Indiana	175	185	1.7	1.8	940	960	9.3	9.3
Iowa	260	390	1.0	1.3	1,930	1,950	7.6	6.4
Minnesota	385	285	2.4	1.6	1,590	1,570	10.0	8.8
Missouri	185	230	1.8	2.3	710	680	6.9	6.7
Wisconsin	170	235	1.7	2.2	720	760	7.2	7.2
Other States	395	315	2.3	1.9	1,440	1,270	8.5	7.6
Total	2,010	1,980	1.9	1.8	9,270	9,010	8.9	8.1
Plains								
Kansas	215	255	1.2	1.3	750	820	4.3	4.1
Nebraska	225	195	0.9	0.9	1,220	1,260	5.0	6.0
Texas	250	240	1.0	1.0	850	860	3.4	3.7
Other States	570	470	2.3	2.0	2,020	1,760	8.0	7.3
Total	1,260	1,160	1.4	1.3	4,840	4,700	5.3	5.3
West								
California	130	190	0.4	0.4	1,490	1,760	4.1	4.1
Washington	75	50	0.9	0.7	310	250	3.8	3.5
Other States	365	400	1.2	1.3	1,600	1,220	5.1	4.1
Total	570	640	0.7	0.8	3,400	3,230	4.5	4.1
United States	5,200	5,100	1.5	1.4	21,900	21,200	6.2	5.9

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Farm Production Expenditures – Region, State, and United States: 2018 and 2019 (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			
	2018	2019	2018	2019	2018	2019	2018	2019
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	70	100	0.6	0.9	10	15	0.1	0.1
Other States	710	530	2.2	1.7	75	80	0.2	0.3
Total	780	630	1.7	1.5	85	95	0.2	0.2
South								
Arkansas	120	115	1.5	1.3	15	30	(Z)	(Z)
Florida	150	105	2.7	1.7	5	5	0.1	0.1
Georgia	95	105	1.2	1.4	15	10	0.2	0.1
Other States	295	285	2.0	1.9	30	40	0.2	0.3
Total	660	610	1.8	1.7	65	85	0.2	0.2
Midwest								
Illinois	170	170	1.1	1.1	30	10	0.2	0.1
Indiana	80	75	0.8	0.7	10	15	0.1	0.1
Iowa	155	240	0.6	0.8	25	30	0.1	0.1
Minnesota	90	130	0.6	0.7	30	25	0.2	0.1
Missouri	210	170	2.0	1.7	55	25	0.5	0.2
Wisconsin	50	100	0.5	0.9	25	20	0.2	0.2
Other States	285	115	1.7	0.7	10	15	0.1	0.1
Total	1,040	1,000	1.0	0.9	185	140	0.2	0.1
Plains								
Kansas	90	170	0.5	0.9	15	15	0.1	0.1
Nebraska	160	215	0.7	1.0	25	25	0.1	0.1
Texas	450	500	1.8	2.2	80	55	0.3	0.2
Other States	570	485	2.3	2.0	85	55	0.3	0.2
Total	1,270	1,370	1.4	1.6	205	150	0.2	0.2
West								
California	190	300	0.5	0.7	20	10	0.1	(Z)
Washington	60	45	0.7	0.6	15	5	0.2	0.1
Other States	610	475	2.0	1.6	115	85	0.4	0.3
Total	860	820	1.1	1.0	150	100	0.2	0.1
United States	4,610	4,430	1.3	1.2	690	570	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: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.1	27.6	12,428	11,679	4,980	4,660
Feed	60.4	56.0	23,958	23,333	9,600	9,310
Farm services	88.8	88.7	14,225	12,456	5,700	4,970
Rent	20.1	24.2	3,843	3,584	1,540	1,430
Agricultural chemicals	37.4	37.2	3,319	3,083	1,330	1,230
Fertilizer, lime, and soil conditioners	50.8	51.9	5,890	5,388	2,360	2,150
Interest	27.3	27.8	2,595	2,982	1,040	1,190
Taxes	100.0	100.0	4,442	4,561	1,780	1,820
Labor	20.5	22.3	10,207	9,098	4,090	3,630
Fuel	88.2	88.4	3,893	3,885	1,560	1,550
Farm supplies and repairs	85.9	84.0	6,613	6,065	2,650	2,420
Farm improvements and construction	45.9	49.0	5,740	5,815	2,300	2,320
Tractors and self-propelled farm machinery	13.5	15.0	4,916	4,662	1,970	1,860
Other farm machinery	17.2	18.0	2,371	2,080	950	830
Seeds and plants	37.1	36.9	5,765	5,088	2,310	2,030
Trucks and autos	12.1	10.9	1,947	1,579	780	630
Miscellaneous capital expenses	3.5	4.0	212	238	85	95
Total farm production expenditures	100.0	100.0	112,366	105,576	45,025	42,125

Farm Production Expenditures Total by Year – Atlantic Region: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,150	3,780	4,020	4,980	4,660
Feed	10,050	9,430	9,300	9,600	9,310
Farm services	4,820	5,100	5,100	5,700	4,970
Rent	1,730	1,740	1,560	1,540	1,430
Agricultural chemicals	1,190	1,160	1,240	1,330	1,230
Fertilizer, lime, and soil conditioners	2,290	2,190	2,090	2,360	2,150
Interest	1,080	950	1,060	1,040	1,190
Taxes	1,700	1,600	1,670	1,780	1,820
Labor	4,160	4,560	4,680	4,090	3,630
Fuel	1,650	1,390	1,600	1,560	1,550
Farm supplies and repairs	2,910	2,550	2,650	2,650	2,420
Farm improvements and construction	2,420	2,440	2,640	2,300	2,320
Tractors and self-propelled farm machinery	2,120	1,510	1,500	1,970	1,860
Other farm machinery	880	700	780	950	830
Seeds and plants	2,020	2,200	2,460	2,310	2,030
Trucks and autos	910	710	810	780	630
Miscellaneous capital expenses	110	100	80	85	95
Total farm production expenditures	44,190	42,110	43,240	45,025	42,125

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.3	25.0	59,698	53,247	2,770	2,460
Feed	48.1	54.3	81,034	80,952	3,760	3,740
Farm services	97.2	86.2	35,345	24,892	1,640	1,150
Rent	24.0	28.1	5,388	6,710	250	310
Agricultural chemicals	58.5	48.7	6,897	6,710	320	310
Fertilizer, lime, and soil conditioners	62.4	62.5	8,836	9,307	410	430
Interest	26.4	23.2	3,233	4,113	150	190
Taxes	100.0	100.0	5,172	5,844	240	270
Labor	24.8	32.7	15,733	19,048	730	880
Fuel	92.4	89.3	6,250	6,926	290	320
Farm supplies and repairs	86.8	81.4	7,112	7,792	330	360
Farm improvements and construction	45.3	46.5	7,543	7,143	350	330
Tractors and self-propelled farm machinery	15.9	12.4	6,466	5,195	300	240
Other farm machinery	18.4	15.0	1,724	1,948	80	90
Seeds and plants	43.0	37.9	8,836	8,658	410	400
Trucks and autos	11.9	13.7	1,509	2,165	70	100
Miscellaneous capital expenses	4.3	6.0	216	325	10	15
Total farm production expenditures	100.0	100.0	260,991	250,974	12,110	11,595

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.0	27.9	6,238	6,236	2,210	2,200
Feed	62.0	56.2	16,483	15,788	5,840	5,570
Farm services	87.7	89.0	11,459	10,828	4,060	3,820
Rent	19.6	23.7	3,641	3,175	1,290	1,120
Agricultural chemicals	34.6	35.7	2,851	2,608	1,010	920
Fertilizer, lime, and soil conditioners	49.3	50.5	5,504	4,875	1,950	1,720
Interest	27.4	28.4	2,512	2,834	890	1,000
Taxes	100.0	100.0	4,347	4,393	1,540	1,550
Labor	20.0	21.0	9,483	7,795	3,360	2,750
Fuel	87.6	88.3	3,585	3,486	1,270	1,230
Farm supplies and repairs	85.8	84.3	6,548	5,839	2,320	2,060
Farm improvements and construction	46.0	49.3	5,504	5,641	1,950	1,990
Tractors and self-propelled farm machinery	13.2	15.3	4,714	4,592	1,670	1,620
Other farm machinery	17.1	18.4	2,456	2,098	870	740
Seeds and plants	36.3	36.8	5,363	4,620	1,900	1,630
Trucks and autos	12.1	10.6	2,004	1,502	710	530
Miscellaneous capital expenses	3.4	3.7	212	227	75	80
Total farm production expenditures	100.0	100.0	92,901	86,536	32,915	30,530

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.0	23.7	14,729	14,737	3,800	3,780
Feed	67.5	60.8	34,109	32,593	8,800	8,360
Farm services	93.6	88.1	17,054	17,115	4,400	4,390
Rent	19.5	23.7	7,364	7,407	1,900	1,900
Agricultural chemicals	50.3	38.5	6,899	7,212	1,780	1,850
Fertilizer, lime, and soil conditioners	55.1	52.1	8,411	8,382	2,170	2,150
Interest	23.6	25.2	2,791	3,509	720	900
Taxes	99.8	99.8	3,256	3,509	840	900
Labor	21.2	22.8	11,977	12,203	3,090	3,130
Fuel	88.6	85.9	5,853	5,653	1,510	1,450
Farm supplies and repairs	83.2	79.6	6,240	6,667	1,610	1,710
Farm improvements and construction	40.1	43.2	4,496	5,185	1,160	1,330
Tractors and self-propelled farm machinery	14.6	15.5	5,233	5,848	1,350	1,500
Other farm machinery	12.2	12.4	1,589	1,910	410	490
Seeds and plants	31.7	29.4	8,062	8,694	2,080	2,230
Trucks and autos	10.6	11.3	2,558	2,378	660	610
Miscellaneous capital expenses	3.9	5.7	252	331	65	85
Total farm production expenditures	100.0	100.0	140,872	143,333	36,345	36,765

Farm Production Expenditures Total by Year – South Region: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,180	3,190	3,240	3,800	3,780
Feed	8,750	8,620	8,500	8,800	8,360
Farm services	4,180	4,200	4,310	4,400	4,390
Rent	2,070	1,800	1,890	1,900	1,900
Agricultural chemicals	1,840	1,960	1,880	1,780	1,850
Fertilizer, lime, and soil conditioners	2,420	2,240	2,050	2,170	2,150
Interest	790	690	810	720	900
Taxes	900	880	870	840	900
Labor	3,550	3,400	3,210	3,090	3,130
Fuel	1,560	1,480	1,460	1,510	1,450
Farm supplies and repairs	1,820	1,630	1,600	1,610	1,710
Farm improvements and construction	1,330	1,260	1,550	1,160	1,330
Tractors and self-propelled farm machinery	1,380	1,130	1,510	1,350	1,500
Other farm machinery	510	350	470	410	490
Seeds and plants	2,190	2,080	2,070	2,080	2,230
Trucks and autos	570	550	640	660	610
Miscellaneous capital expenses	40	60	50	65	85
Total farm production expenditures	37,080	35,520	36,110	36,345	36,765

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.3	29.3	21,412	24,823	910	1,050
Feed	68.2	72.7	50,118	54,374	2,130	2,300
Farm services	92.0	89.4	22,118	21,513	940	910
Rent	22.8	27.5	17,176	17,021	730	720
Agricultural chemicals	48.7	37.6	10,824	9,574	460	405
Fertilizer, lime, and soil conditioners	53.5	43.1	11,412	10,993	485	465
Interest	35.5	32.8	4,235	4,728	180	200
Taxes	100.0	100.0	3,647	4,137	155	175
Labor	19.2	23.5	7,529	8,983	320	380
Fuel	83.9	88.9	9,176	8,747	390	370
Farm supplies and repairs	74.8	75.4	8,353	8,983	355	380
Farm improvements and construction	34.2	51.9	3,529	5,910	150	250
Tractors and self-propelled farm machinery	14.4	14.0	5,294	6,147	225	260
Other farm machinery	13.0	8.6	2,000	1,891	85	80
Seeds and plants	21.4	18.6	12,000	11,348	510	480
Trucks and autos	10.4	9.3	2,824	2,719	120	115
Miscellaneous capital expenses	5.0	7.5	353	709	15	30
Total farm production expenditures	100.0	100.0	192,000	202,600	8,160	8,570

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.4	18.6	1,684	2,532	80	120
Feed	65.2	54.7	10,737	6,751	510	320
Farm services	88.8	95.5	13,474	19,620	640	930
Rent	15.6	23.2	2,316	2,743	110	130
Agricultural chemicals	46.3	46.0	6,316	6,751	300	320
Fertilizer, lime, and soil conditioners	51.4	57.1	6,526	9,072	310	430
Interest	17.3	18.3	2,105	3,165	100	150
Taxes	100.0	100.0	4,211	3,797	200	180
Labor	25.4	25.3	32,421	36,076	1,540	1,710
Fuel	83.7	82.0	3,579	4,641	170	220
Farm supplies and repairs	77.4	79.4	6,316	8,017	300	380
Farm improvements and construction	46.6	44.3	6,737	8,333	320	395
Tractors and self-propelled farm machinery	13.9	16.6	4,211	2,743	200	130
Other farm machinery	10.4	10.6	1,263	738	60	35
Seeds and plants	32.4	31.4	10,421	10,759	495	510
Trucks and autos	9.3	11.2	3,158	2,215	150	105
Miscellaneous capital expenses	1.3	3.2	105	105	5	5
Total farm production expenditures	100.0	100.0	115,579	128,059	5,490	6,070

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.0	18.5	25,721	26,747	1,070	1,110
Feed	58.1	56.0	54,327	50,120	2,260	2,080
Farm services	88.8	91.2	21,154	19,036	880	790
Rent	18.7	19.8	5,288	5,542	220	230
Agricultural chemicals	52.1	35.0	7,692	7,831	320	325
Fertilizer, lime, and soil conditioners	62.8	43.0	10,938	9,759	455	405
Interest	23.9	17.1	2,644	4,337	110	180
Taxes	100.0	100.0	4,808	3,855	200	160
Labor	24.7	21.3	12,740	11,807	530	490
Fuel	85.0	91.4	6,971	6,747	290	280
Farm supplies and repairs	81.2	78.2	6,611	5,542	275	230
Farm improvements and construction	35.1	39.1	5,048	6,024	210	250
Tractors and self-propelled farm machinery	14.4	11.4	7,091	6,145	295	255
Other farm machinery	14.6	10.5	2,524	1,325	105	55
Seeds and plants	32.1	35.3	8,293	10,361	345	430
Trucks and autos	10.6	9.6	2,284	2,530	95	105
Miscellaneous capital expenses	3.7	5.6	361	241	15	10
Total farm production expenditures	100.0	100.0	184,495	177,952	7,675	7,385

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.4	25.5	13,766	11,971	1,740	1,500
Feed	71.3	60.7	30,854	29,210	3,900	3,660
Farm services	97.4	83.9	15,348	14,046	1,940	1,760
Rent	20.1	24.0	6,646	6,544	840	820
Agricultural chemicals	51.7	37.2	5,538	6,385	700	800
Fertilizer, lime, and soil conditioners	54.5	56.3	7,278	6,784	920	850
Interest	21.9	27.9	2,611	2,953	330	370
Taxes	99.7	99.6	2,255	3,073	285	385
Labor	19.2	22.1	5,538	4,389	700	550
Fuel	93.2	84.6	5,222	4,629	660	580
Farm supplies and repairs	88.8	81.5	5,380	5,746	680	720
Farm improvements and construction	41.3	41.2	3,797	3,472	480	435
Tractors and self-propelled farm machinery	15.0	16.8	4,984	6,824	630	855
Other farm machinery	11.9	14.9	1,266	2,554	160	320
Seeds and plants	34.7	30.4	5,775	6,464	730	810
Trucks and autos	11.1	12.7	2,334	2,275	295	285
Miscellaneous capital expenses	4.6	6.0	237	319	30	40
Total farm production expenditures	100.0	100.0	118,829	117,638	15,020	14,740

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.8	22.9	16,061	18,158	9,110	10,270
Feed	42.5	40.5	23,801	32,709	13,500	18,500
Farm services	94.4	89.8	19,922	20,633	11,300	11,670
Rent	33.2	32.0	24,118	24,399	13,680	13,800
Agricultural chemicals	52.5	49.3	9,291	9,105	5,270	5,150
Fertilizer, lime, and soil conditioners	57.7	54.8	15,832	15,046	8,980	8,510
Interest	42.8	36.0	6,700	6,665	3,800	3,770
Taxes	100.0	100.0	7,581	7,603	4,300	4,300
Labor	20.6	17.5	9,944	10,361	5,640	5,860
Fuel	83.5	79.3	6,735	6,595	3,820	3,730
Farm supplies and repairs	81.9	78.7	9,838	9,618	5,580	5,440
Farm improvements and construction	48.6	45.5	6,435	7,779	3,650	4,400
Tractors and self-propelled farm machinery	13.0	13.3	6,347	6,948	3,600	3,930
Other farm machinery	19.6	15.5	3,544	3,501	2,010	1,980
Seeds and plants	52.0	50.9	16,343	15,930	9,270	9,010
Trucks and autos	11.5	10.1	1,834	1,768	1,040	1,000
Miscellaneous capital expenses	4.8	3.4	326	248	185	140
Total farm production expenditures	100.0	100.0	184,653	197,065	104,735	111,460

Farm Production Expenditures Total by Year – Midwest Region: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	10,850	9,230	9,570	9,110	10,270
Feed	16,950	16,700	15,000	13,500	18,500
Farm services	11,470	11,900	11,730	11,300	11,670
Rent	14,380	13,750	13,630	13,680	13,800
Agricultural chemicals	4,840	5,090	5,280	5,270	5,150
Fertilizer, lime, and soil conditioners	10,310	9,090	8,520	8,980	8,510
Interest	3,410	3,420	3,550	3,800	3,770
Taxes	4,270	3,790	3,860	4,300	4,300
Labor	5,320	5,890	5,440	5,640	5,860
Fuel	3,660	3,220	3,450	3,820	3,730
Farm supplies and repairs	5,540	5,560	5,380	5,580	5,440
Farm improvements and construction	5,390	4,740	5,220	3,650	4,400
Tractors and self-propelled farm machinery	3,540	3,550	4,000	3,600	3,930
Other farm machinery	2,250	2,080	2,270	2,010	1,980
Seeds and plants	9,550	9,470	9,340	9,270	9,010
Trucks and autos	1,150	1,170	1,360	1,040	1,000
Miscellaneous capital expenses	200	240	170	185	140
Total farm production expenditures	113,080	108,890	107,770	104,735	111,460

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	13.6	13.0	7,361	7,843	530	560
Feed	28.0	25.3	11,389	10,924	820	780
Farm services	90.0	80.8	21,111	19,468	1,520	1,390
Rent	35.1	39.7	45,556	47,619	3,280	3,400
Agricultural chemicals	62.6	60.9	16,806	17,087	1,210	1,220
Fertilizer, lime, and soil conditioners	66.5	61.6	25,694	24,230	1,850	1,730
Interest	38.5	32.9	7,361	8,123	530	580
Taxes	100.0	100.0	8,333	9,244	600	660
Labor	21.3	17.8	7,639	7,563	550	540
Fuel	78.6	70.7	7,778	7,703	560	550
Farm supplies and repairs	76.6	67.5	10,833	9,944	780	710
Farm improvements and construction	45.1	40.2	6,944	6,232	500	445
Tractors and self-propelled farm machinery	15.8	16.2	10,278	9,664	740	690
Other farm machinery	18.9	15.1	6,111	4,762	440	340
Seeds and plants	63.0	66.2	26,944	25,490	1,940	1,820
Trucks and autos	11.0	12.2	2,361	2,381	170	170
Miscellaneous capital expenses	4.4	1.7	417	140	30	10
Total farm production expenditures	100.0	100.0	222,917	218,417	16,050	15,595

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	19.7	32.1	9,804	12,500	550	700
Feed	43.4	54.3	20,143	24,643	1,130	1,380
Farm services	91.2	96.0	17,647	17,143	990	960
Rent	36.5	31.3	26,560	27,321	1,490	1,530
Agricultural chemicals	56.9	44.6	9,982	10,000	560	560
Fertilizer, lime, and soil conditioners	60.3	52.2	19,251	16,964	1,080	950
Interest	39.0	46.1	6,239	7,143	350	400
Taxes	100.0	100.0	9,091	8,571	510	480
Labor	21.8	17.8	9,269	7,768	520	435
Fuel	72.9	81.6	6,774	6,518	380	365
Farm supplies and repairs	75.0	85.8	9,269	8,214	520	460
Farm improvements and construction	51.7	45.0	8,913	7,500	500	420
Tractors and self-propelled farm machinery	12.2	17.3	6,061	8,571	340	480
Other farm machinery	20.7	14.4	3,119	3,304	175	185
Seeds and plants	56.4	47.6	16,756	17,143	940	960
Trucks and autos	8.8	7.1	1,426	1,339	80	75
Miscellaneous capital expenses	1.9	4.2	178	268	10	15
Total farm production expenditures	100.0	100.0	180,481	184,911	10,125	10,355

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.1	20.6	47,093	57,913	4,050	4,940
Feed	34.6	28.2	49,651	81,125	4,270	6,920
Farm services	98.5	96.2	29,070	31,770	2,500	2,710
Rent	41.6	41.6	42,907	45,135	3,690	3,850
Agricultural chemicals	58.0	57.1	12,674	13,247	1,090	1,130
Fertilizer, lime, and soil conditioners	58.0	56.1	20,814	20,868	1,790	1,780
Interest	47.2	46.2	10,349	9,379	890	800
Taxes	100.0	100.0	10,465	10,317	900	880
Labor	21.9	16.6	8,953	9,848	770	840
Fuel	81.0	75.2	9,070	8,441	780	720
Farm supplies and repairs	77.2	70.0	12,326	12,427	1,060	1,060
Farm improvements and construction	46.6	44.1	7,093	16,061	610	1,370
Tractors and self-propelled farm machinery	9.8	13.7	6,395	9,027	550	770
Other farm machinery	14.4	15.3	3,023	4,572	260	390
Seeds and plants	60.1	59.1	22,442	22,860	1,930	1,950
Trucks and autos	11.4	13.1	1,802	2,814	155	240
Miscellaneous capital expenses	3.9	4.6	291	352	25	30
Total farm production expenditures	100.0	100.0	294,419	356,155	25,320	30,380

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.7	22.4	20,000	25,294	1,370	1,720
Feed	45.4	35.9	29,635	47,206	2,030	3,210
Farm services	96.2	95.3	26,861	29,559	1,840	2,010
Rent	39.3	38.7	30,365	30,147	2,080	2,050
Agricultural chemicals	55.3	54.9	10,657	10,588	730	720
Fertilizer, lime, and soil conditioners	56.4	54.3	20,730	19,559	1,420	1,330
Interest	51.0	37.9	9,343	8,676	640	590
Taxes	100.0	100.0	10,511	10,441	720	710
Labor	20.3	22.2	9,781	12,206	670	830
Fuel	85.4	79.9	9,489	10,294	650	700
Farm supplies and repairs	85.8	76.1	12,263	12,941	840	880
Farm improvements and construction	49.8	46.5	6,861	7,353	470	500
Tractors and self-propelled farm machinery	12.4	17.1	5,839	8,676	400	590
Other farm machinery	21.8	16.4	5,620	4,191	385	285
Seeds and plants	56.8	56.7	23,212	23,088	1,590	1,570
Trucks and autos	10.8	10.1	1,314	1,912	90	130
Miscellaneous capital expenses	6.5	5.6	438	368	30	25
Total farm production expenditures	100.0	100.0	232,920	262,500	15,955	17,850

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.1	21.5	10,842	12,290	1,030	1,170
Feed	57.2	54.1	14,842	14,076	1,410	1,340
Farm services	96.1	85.3	11,368	11,345	1,080	1,080
Rent	26.0	20.8	12,421	10,924	1,180	1,040
Agricultural chemicals	43.0	37.6	6,105	5,357	580	510
Fertilizer, lime, and soil conditioners	55.4	51.0	9,579	8,824	910	840
Interest	38.7	31.7	3,895	4,517	370	430
Taxes	100.0	100.0	3,263	3,466	310	330
Labor	18.6	14.5	3,684	4,149	350	395
Fuel	85.9	77.9	4,158	4,149	395	395
Farm supplies and repairs	81.5	71.2	6,105	5,462	580	520
Farm improvements and construction	44.0	37.4	4,737	3,729	450	355
Tractors and self-propelled farm machinery	13.0	12.4	5,368	5,987	510	570
Other farm machinery	13.3	13.2	1,947	2,416	185	230
Seeds and plants	35.0	29.3	7,474	7,143	710	680
Trucks and autos	10.9	9.1	2,211	1,786	210	170
Miscellaneous capital expenses	6.3	2.9	579	263	55	25
Total farm production expenditures	100.0	100.0	108,579	105,882	10,315	10,080

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.2	27.3	9,414	5,085	610	330
Feed	57.2	47.1	27,623	33,128	1,790	2,150
Farm services	91.6	90.5	21,605	22,650	1,400	1,470
Rent	31.7	34.7	8,642	9,091	560	590
Agricultural chemicals	47.5	51.1	4,938	4,622	320	300
Fertilizer, lime, and soil conditioners	53.7	53.1	10,185	10,478	660	680
Interest	40.2	48.4	7,099	7,473	460	485
Taxes	100.0	99.9	6,173	5,855	400	380
Labor	23.4	23.1	17,130	17,411	1,110	1,130
Fuel	80.1	84.8	6,096	5,855	395	380
Farm supplies and repairs	79.8	85.2	10,802	11,248	700	730
Farm improvements and construction	52.1	56.8	6,173	7,704	400	500
Tractors and self-propelled farm machinery	12.2	14.9	4,321	4,777	280	310
Other farm machinery	25.7	23.5	2,623	3,621	170	235
Seeds and plants	56.2	68.0	11,111	11,710	720	760
Trucks and autos	8.9	14.0	772	1,541	50	100
Miscellaneous capital expenses	7.3	5.0	386	308	25	20
Total farm production expenditures	100.0	100.0	155,093	162,558	10,050	10,550

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	14.6	25.0	7,772	6,811	970	850
Feed	35.6	39.9	16,426	21,795	2,050	2,720
Farm services	94.6	88.1	15,785	16,426	1,970	2,050
Rent	27.7	24.9	11,218	10,737	1,400	1,340
Agricultural chemicals	49.4	44.2	6,250	5,689	780	710
Fertilizer, lime, and soil conditioners	55.9	55.1	10,176	9,615	1,270	1,200
Interest	43.7	21.9	4,487	3,886	560	485
Taxes	100.0	100.0	6,891	6,891	860	860
Labor	18.9	14.7	13,381	13,542	1,670	1,690
Fuel	91.4	83.9	5,288	4,968	660	620
Farm supplies and repairs	90.7	91.3	8,814	8,654	1,100	1,080
Farm improvements and construction	51.6	49.5	5,769	6,490	720	810
Tractors and self-propelled farm machinery	14.5	7.2	6,250	4,167	780	520
Other farm machinery	23.5	13.6	3,165	2,524	395	315
Seeds and plants	46.0	42.3	11,538	10,176	1,440	1,270
Trucks and autos	15.3	7.1	2,284	921	285	115
Miscellaneous capital expenses	3.6	1.5	80	120	10	15
Total farm production expenditures	100.0	100.0	135,577	133,413	16,920	16,650

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.6	22.7	49,299	41,326	23,900	20,010
Feed	65.0	62.7	24,752	25,299	12,000	12,250
Farm services	91.7	90.1	19,183	18,691	9,300	9,050
Rent	31.0	31.8	15,408	15,861	7,470	7,680
Agricultural chemicals	45.0	41.2	7,508	7,476	3,640	3,620
Fertilizer, lime, and soil conditioners	46.6	41.0	11,696	11,194	5,670	5,420
Interest	29.7	30.5	4,992	5,163	2,420	2,500
Taxes	99.8	100.0	7,550	8,158	3,660	3,950
Labor	25.5	24.3	8,560	8,385	4,150	4,060
Fuel	82.2	77.5	6,291	5,741	3,050	2,780
Farm supplies and repairs	76.8	73.1	7,673	7,827	3,720	3,790
Farm improvements and construction	36.8	40.5	4,847	5,163	2,350	2,500
Tractors and self-propelled farm machinery	12.5	10.6	5,858	6,072	2,840	2,940
Other farm machinery	11.1	9.3	2,599	2,396	1,260	1,160
Seeds and plants	31.1	29.7	9,983	9,707	4,840	4,700
Trucks and autos	11.5	10.9	2,620	2,829	1,270	1,370
Miscellaneous capital expenses	5.3	3.7	423	310	205	150
Total farm production expenditures	100.0	100.0	189,243	181,599	91,745	87,930

Farm Production Expenditures Total by Year – Plains Region: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23,260	20,850	21,100	23,900	20,010
Feed	12,150	11,400	12,100	12,000	12,250
Farm services	9,130	9,250	9,250	9,300	9,050
Rent	8,080	8,210	7,880	7,470	7,680
Agricultural chemicals	3,650	3,670	3,740	3,640	3,620
Fertilizer, lime, and soil conditioners	6,000	5,730	5,260	5,670	5,420
Interest	2,260	2,270	2,310	2,420	2,500
Taxes	3,650	3,480	4,110	3,660	3,950
Labor	4,070	4,000	4,120	4,150	4,060
Fuel	2,950	2,770	2,950	3,050	2,780
Farm supplies and repairs	4,110	3,770	3,920	3,720	3,790
Farm improvements and construction	3,150	2,910	3,540	2,350	2,500
Tractors and self-propelled farm machinery	3,040	3,050	3,540	2,840	2,940
Other farm machinery	1,600	1,160	1,380	1,260	1,160
Seeds and plants	4,790	5,010	4,940	4,840	4,700
Trucks and autos	1,490	1,260	1,560	1,270	1,370
Miscellaneous capital expenses	150	220	200	205	150
Total farm production expenditures	93,530	89,010	91,900	91,745	87,930

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	19.0	24.7	108,319	117,607	6,380	6,880
Feed	43.0	47.5	39,049	51,795	2,300	3,030
Farm services	89.9	89.0	23,090	27,350	1,360	1,600
Rent	43.8	41.7	22,411	27,009	1,320	1,580
Agricultural chemicals	53.5	47.1	13,073	14,017	770	820
Fertilizer, lime, and soil conditioners	55.9	49.3	16,469	19,145	970	1,120
Interest	36.6	37.8	6,621	6,667	390	390
Taxes	100.0	100.0	8,149	9,402	480	550
Labor	21.7	25.2	9,508	12,991	560	760
Fuel	74.6	72.0	8,319	8,889	490	520
Farm supplies and repairs	75.9	68.6	10,187	11,453	600	670
Farm improvements and construction	31.0	42.7	3,226	4,957	190	290
Tractors and self-propelled farm machinery	11.7	10.0	6,452	7,094	380	415
Other farm machinery	13.5	13.2	3,650	4,359	215	255
Seeds and plants	45.5	41.2	12,733	14,017	750	820
Trucks and autos	9.1	12.3	1,528	2,906	90	170
Miscellaneous capital expenses	3.0	2.6	255	256	15	15
Total farm production expenditures	100.0	100.0	293,039	339,915	17,260	19,885

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.5	22.4	176,253	122,757	8,090	5,610
Feed	46.9	41.0	67,538	53,611	3,100	2,450
Farm services	94.4	90.5	43,791	40,044	2,010	1,830
Rent	51.7	51.5	53,159	54,267	2,440	2,480
Agricultural chemicals	60.4	62.4	18,954	19,037	870	870
Fertilizer, lime, and soil conditioners	61.5	57.3	29,630	28,446	1,360	1,300
Interest	54.2	51.3	11,983	12,254	550	560
Taxes	99.6	100.0	26,144	30,635	1,200	1,400
Labor	31.5	26.5	16,993	17,287	780	790
Fuel	83.3	75.2	13,290	11,160	610	510
Farm supplies and repairs	85.2	76.4	17,865	17,068	820	780
Farm improvements and construction	46.3	45.5	8,497	7,221	390	330
Tractors and self-propelled farm machinery	13.3	12.7	8,497	9,956	390	455
Other farm machinery	20.2	12.4	4,902	4,267	225	195
Seeds and plants	61.8	60.0	26,580	27,571	1,220	1,260
Trucks and autos	14.9	18.4	3,486	4,705	160	215
Miscellaneous capital expenses	7.3	6.5	545	547	25	25
Total farm production expenditures	100.0	100.0	528,105	460,832	24,240	21,060

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.3	18.7	23,927	18,097	5,910	4,470
Feed	72.5	70.1	19,231	19,150	4,750	4,730
Farm services	90.3	89.1	12,551	11,457	3,100	2,830
Rent	18.2	20.6	3,239	3,441	800	850
Agricultural chemicals	35.7	31.7	2,470	2,551	610	630
Fertilizer, lime, and soil conditioners	39.9	34.6	4,291	3,927	1,060	970
Interest	15.4	16.8	2,146	2,308	530	570
Taxes	99.9	99.9	4,130	4,211	1,020	1,040
Labor	23.5	24.9	8,300	6,235	2,050	1,540
Fuel	81.4	75.6	3,563	3,320	880	820
Farm supplies and repairs	73.7	70.6	3,684	3,603	910	890
Farm improvements and construction	32.5	34.1	3,968	3,927	980	970
Tractors and self-propelled farm machinery	9.8	10.2	3,441	4,332	850	1,070
Other farm machinery	6.5	5.9	1,012	972	250	240
Seeds and plants	17.1	17.8	3,441	3,482	850	860
Trucks and autos	7.8	6.9	1,822	2,024	450	500
Miscellaneous capital expenses	4.4	2.7	324	223	80	55
Total farm production expenditures	100.0	100.0	101,538	93,259	25,080	23,035

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	34.2	29.4	26,466	22,932	3,520	3,050
Feed	67.2	63.3	13,910	15,338	1,850	2,040
Farm services	94.3	92.5	21,278	20,977	2,830	2,790
Rent	41.7	41.4	21,880	20,827	2,910	2,770
Agricultural chemicals	53.2	48.8	10,451	9,774	1,390	1,300
Fertilizer, lime, and soil conditioners	49.8	43.6	17,143	15,263	2,280	2,030
Interest	44.8	45.6	7,143	7,368	950	980
Taxes	99.6	100.0	7,218	7,218	960	960
Labor	28.8	22.1	5,714	7,293	760	970
Fuel	86.8	84.1	8,045	6,992	1,070	930
Farm supplies and repairs	80.0	78.8	10,451	10,902	1,390	1,450
Farm improvements and construction	44.2	49.7	5,940	6,842	790	910
Tractors and self-propelled farm machinery	17.5	10.7	9,173	7,519	1,220	1,000
Other farm machinery	15.5	12.9	4,286	3,534	570	470
Seeds and plants	40.2	36.5	15,188	13,233	2,020	1,760
Trucks and autos	18.5	15.1	4,286	3,647	570	485
Miscellaneous capital expenses	7.5	5.2	639	414	85	55
Total farm production expenditures	100.0	100.0	189,211	180,075	25,165	23,950

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	33.7	28.2	14,539	13,172	4,510	4,080
Feed	50.1	50.7	31,915	35,448	9,900	10,980
Farm services	95.3	93.2	43,198	41,065	13,400	12,720
Rent	26.9	23.1	13,572	15,787	4,210	4,890
Agricultural chemicals	39.3	37.8	10,896	11,784	3,380	3,650
Fertilizer, lime, and soil conditioners	36.9	42.2	12,959	13,140	4,020	4,070
Interest	28.0	23.9	5,867	6,909	1,820	2,140
Taxes	98.0	97.4	7,157	7,845	2,220	2,430
Labor	29.1	32.1	54,578	58,499	16,930	18,120
Fuel	82.4	79.0	7,608	9,007	2,360	2,790
Farm supplies and repairs	81.9	74.2	11,734	13,688	3,640	4,240
Farm improvements and construction	50.5	44.1	10,445	9,524	3,240	2,950
Tractors and self-propelled farm machinery	11.6	12.0	4,965	5,391	1,540	1,670
Other farm machinery	11.7	10.1	1,838	2,066	570	640
Seeds and plants	32.4	30.6	10,961	10,428	3,400	3,230
Trucks and autos	15.6	12.3	2,772	2,647	860	820
Miscellaneous capital expenses	6.1	5.9	484	323	150	100
Total farm production expenditures	100.0	100.0	245,487	256,723	76,150	79,520

Farm Production Expenditures Total by Year – West Region: 2015-2019

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

Expenditure	2015	2016	2017	2018	2019
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,960	2,950	3,670	4,510	4,080
Feed	10,600	9,450	9,600	9,900	10,980
Farm services	12,000	11,250	12,710	13,400	12,720
Rent	4,740	4,300	4,740	4,210	4,890
Agricultural chemicals	3,080	3,320	3,560	3,380	3,650
Fertilizer, lime, and soil conditioners	4,480	4,250	4,080	4,020	4,070
Interest	1,960	1,770	1,970	1,820	2,140
Taxes	2,280	2,150	2,190	2,220	2,430
Labor	14,700	16,250	18,550	16,930	18,120
Fuel	2,480	2,440	2,440	2,360	2,790
Farm supplies and repairs	4,320	4,090	4,450	3,640	4,240
Farm improvements and construction	3,810	3,150	3,250	3,240	2,950
Tractors and self-propelled farm machinery	1,820	1,360	1,950	1,540	1,670
Other farm machinery	860	710	800	570	640
Seeds and plants	2,750	3,040	3,690	3,400	3,230
Trucks and autos	880	710	1,030	860	820
Miscellaneous capital expenses	200	180	100	150	100
Total farm production expenditures	74,920	71,370	78,780	76,150	79,520

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.6	24.6	14,265	17,167	990	1,200
Feed	39.9	36.9	64,841	67,239	4,500	4,700
Farm services	96.8	99.1	105,620	101,288	7,330	7,080
Rent	18.7	18.9	28,098	41,631	1,950	2,910
Agricultural chemicals	51.1	51.2	28,818	34,764	2,000	2,430
Fertilizer, lime, and soil conditioners	53.7	54.9	29,251	32,618	2,030	2,280
Interest	24.6	24.3	10,231	13,305	710	930
Taxes	99.9	100.0	16,715	18,598	1,160	1,300
Labor	49.4	56.8	146,542	176,824	10,170	12,360
Fuel	84.4	78.4	13,977	18,670	970	1,305
Farm supplies and repairs	85.4	70.6	22,046	31,617	1,530	2,210
Farm improvements and construction	46.3	36.5	18,156	16,595	1,260	1,160
Tractors and self-propelled farm machinery	10.8	8.4	4,899	8,155	340	570
Other farm machinery	11.3	7.8	1,873	2,718	130	190
Seeds and plants	35.2	30.1	21,470	25,179	1,490	1,760
Trucks and autos	10.3	12.1	2,738	4,292	190	300
Miscellaneous capital expenses	3.4	2.3	288	143	20	10
Total farm production expenditures	100.0	100.0	529,827	610,801	36,770	42,695

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	35.3	28.5	6,443	4,213	230	150
Feed	51.4	56.1	24,370	17,697	870	630
Farm services	86.8	86.6	46,218	38,483	1,650	1,370
Rent	17.7	17.3	12,885	10,955	460	390
Agricultural chemicals	44.3	35.8	13,445	11,236	480	400
Fertilizer, lime, and soil conditioners	41.5	36.5	10,644	9,831	380	350
Interest	27.1	23.6	4,202	3,933	150	140
Taxes	100.0	100.0	7,003	5,899	250	210
Labor	27.4	27.6	58,543	62,360	2,090	2,220
Fuel	79.6	81.6	5,882	5,197	210	185
Farm supplies and repairs	77.2	78.1	11,485	9,551	410	340
Farm improvements and construction	46.2	43.8	11,204	5,618	400	200
Tractors and self-propelled farm machinery	10.7	9.7	4,202	4,213	150	150
Other farm machinery	9.7	7.0	2,101	1,404	75	50
Seeds and plants	35.6	24.8	8,683	7,022	310	250
Trucks and autos	10.4	9.7	1,681	1,264	60	45
Miscellaneous capital expenses	3.1	2.1	420	140	15	5
Total farm production expenditures	100.0	100.0	229,412	199,017	8,190	7,085

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	36.2	29.4	16,041	13,366	3,290	2,730
Feed	53.4	54.4	22,087	27,662	4,530	5,650
Farm services	96.2	92.3	21,550	20,906	4,420	4,270
Rent	31.3	25.6	8,776	7,785	1,800	1,590
Agricultural chemicals	34.5	33.6	4,388	4,015	900	820
Fertilizer, lime, and soil conditioners	30.4	38.9	7,850	7,050	1,610	1,440
Interest	29.3	23.8	4,681	5,239	960	1,070
Taxes	97.0	96.1	3,949	4,504	810	920
Labor	22.6	24.5	22,769	17,332	4,670	3,540
Fuel	82.2	78.8	5,753	6,365	1,180	1,300
Farm supplies and repairs	81.5	74.8	8,289	8,274	1,700	1,690
Farm improvements and construction	52.7	46.8	7,704	7,785	1,580	1,590
Tractors and self-propelled farm machinery	12.1	13.6	5,119	4,651	1,050	950
Other farm machinery	12.2	11.5	1,780	1,958	365	400
Seeds and plants	30.9	31.8	7,801	5,973	1,600	1,220
Trucks and autos	18.3	12.8	2,974	2,326	610	475
Miscellaneous capital expenses	7.5	7.8	561	416	115	85
Total farm production expenditures	100.0	100.0	152,072	145,606	31,190	29,740

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. The Farm Production Expenditure Survey and the Cost of Production Survey were combined and called the Farm Costs and Returns Survey (FCRS) beginning in 1985. The Agricultural Resource Management Survey (ARMS) replaced the former Cropping Practices Survey (CPS) and the FCRS in 1996, 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.

NASS initiated an estimation program in calendar year 1993 for Farm Production Expenditures. 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.

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, 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 restoration and 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 un-weighted 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 2019 Agricultural Resource Management Survey

Publication: *Farm Production Expenditures 2019 Summary* was released on July 31, 2020.

Data Collection: The Agricultural Resource Management Survey (ARMS III) was conducted January through May of 2019.

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 8 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 Core 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 2019 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 2019 sample was 33,943 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 2019, there were three COP commodities: Barley, Cotton and Sorghum. The States involved for this year were:

Barley: Arizona, California, Colorado, Idaho, Minnesota, Montana, North Dakota, Oregon, Pennsylvania, South Dakota, Virginia, Washington, Wisconsin, Wyoming.

Cotton: Alabama, Arizona, Arkansas, California, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas.

Sorghum: Colorado, Kansas, Missouri, Nebraska, New Mexico, Oklahoma, North Dakota, Texas.

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, which you can refer to page 41 for a breakdown of 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 if appropriate 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 for 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. 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 was completed in 2018. RECAP improvements have enabled the establishment and revision of some 1360 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.

The following states are assigned large enough samples that expenditure estimates are set: 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 for them. These are used by ERS to develop the value added tables (Income and Expense estimates by state).

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 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 subcomponents. NASS publishes the expenditures and ERS staff set USDA estimates for income and demographic data.

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

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

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

Information Contacts

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

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Stephanie Brennan – Farm Production Expenditures	(202) 690-0392
Kuan Chen – Prices, Prices Indexes, Parity Prices.....	(202) 690-3347
Doug Farmer – Chemical Use	(202) 690-3229
Michael Mathison – Cash Rents, Farms, Land in Farms, Grazing Fees	(202) 720-3243
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Released July 31, 2020, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Access to NASS Reports

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

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

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