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Farm Production Expenditures 2018 Summary

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2018 United States Total Farm Production Expenditure Highlights

Farm production expenditures in the United States are estimated at \$354.0 billion for 2018, down from \$357.8 billion in 2017. The 2018 total farm production expenditures are down 1.1 percent compared with 2017 total farm production expenditures. For the 17 line items, 7 showed an increase from previous year, while the rest showed a decrease.

The four largest expenditures at the United States level total \$178.1 billion and account for 50.3 percent of total expenditures in 2018. These include feed, 15.2 percent, farm services, 12.5 percent, livestock, poultry and related expenses, 13.1 percent, and labor, 9.6 percent.

In 2018, the United States total farm expenditure average per farm is \$175,169, down 0.4 percent from \$175,935 in 2017. On average, United States farm operations spent \$26,622 on feed, \$22,911 on livestock, poultry and related expenses, \$21,822 on farm services, and \$16,775 on labor. For 2017, United States farms spent an average of \$26,798 on feed, \$21,193 on farm services, \$20,455 on livestock, poultry, and related expenses, and \$17,702 on labor.

Total fuel expense is \$12.3 billion. Diesel, the largest sub component, is \$8.1 billion, accounting for 65.9 percent. Diesel expenditures are up 8.0 percent from the previous year. Gasoline is \$2.13 billion, down 3.2 percent. LP gas is \$1.41 billion, up 0.7 percent. Other fuel is \$660 million, down 17.5 percent.

The United States economic sales class contributing most to the 2018 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$113.3 billion, 32.0 percent of the United States total, down 2.2 percent from the 2017 level of \$115.9 billion. The next highest is the \$5,000,000 and Over class with \$92.5 billion, up from \$91.2 billion in 2017.

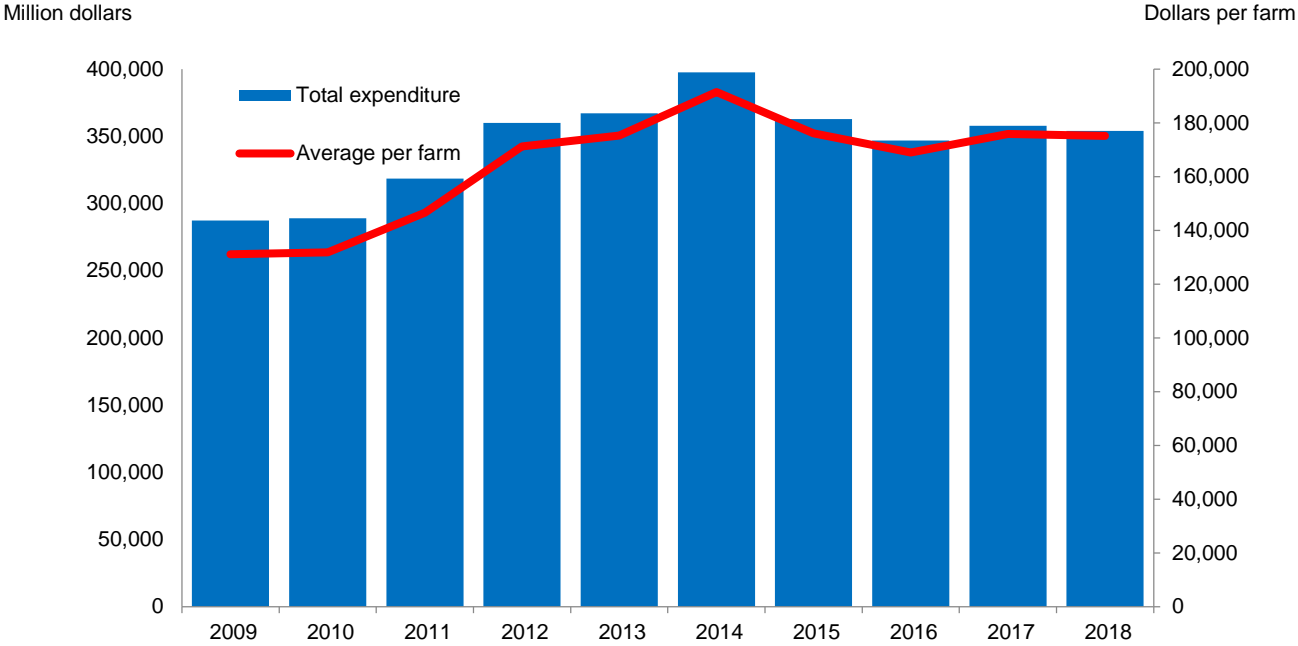
In 2018, crop farms expenditures decreased to \$181.9 billion, down 1.5 percent, while livestock farms expenditures decreased to \$172.1 billion, down 0.6 percent. The largest expenditures for crop farms are rent at \$24.1 billion (13.2 percent of total), labor at \$24.5 billion (13.5 percent), and farm services at \$24.8 billion (13.6 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$53.2 billion, accounting for 29.2 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$52.3 billion (30.4 percent of total), livestock, poultry and related expenses at \$44.2 billion (25.7 percent), and farm services at \$19.3 billion (11.2 percent). Together, these line items account for 67.3 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$208,026 compared to \$150,108 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$104.7 billion (29.6 percent), down from \$107.8 billion in 2017. Other regions, ranked by total expenditures, are the Plains at \$91.7 billion (25.9 percent), West at \$76.2 billion (21.5 percent), Atlantic at \$45.0 billion (12.7 percent), and South at \$36.3 billion (10.3 percent). The Midwest decreased \$3.1 billion from 2017, which is the largest regional decrease.

Combined total expenditures for the 15 estimate states is \$232.8 billion in 2018 (65.8 percent of the United States total expenditures) and \$236.0 billion in 2017 (65.9 percent). California contributed most to the 2018 United States total expenditures, with expenses of \$36.8 billion, (10.4 percent). California expenditures are down 2.7 percent from the 2017 estimate of \$37.8 billion. Iowa, the next leading state, has \$25.3 billion in expenses, (7.2 percent). Other states with more than \$20 billion in total expenditures are Texas with \$25.1 billion and Nebraska with \$24.2 billion.

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

Farm Production Expenditures, Total, and Average Per Farm by Year – United States: 2009-2018



Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2017 and 2018

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

Expenditure	2017		2018	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry, and related expenses	41,600	11.6	46,300	13.1
Feed	54,500	15.2	53,800	15.2
Farm services	43,100	12.0	44,100	12.5
Rent	29,700	8.3	28,800	8.1
Agricultural chemicals	15,700	4.4	15,400	4.4
Fertilizer, lime, and soil conditioners	22,000	6.1	23,200	6.6
Interest	9,700	2.7	9,800	2.8
Taxes	12,700	3.5	12,800	3.6
Labor	36,000	10.1	33,900	9.6
Fuel	11,900	3.3	12,300	3.5
Farm supplies and repairs	18,000	5.0	17,200	4.9
Farm improvements and construction	16,200	4.5	12,700	3.6
Tractors and self-propelled farm machinery	12,500	3.5	11,300	3.2
Other farm machinery	5,700	1.6	5,200	1.5
Seeds and plants	22,500	6.3	21,900	6.2
Trucks and autos	5,400	1.5	4,610	1.3
Miscellaneous capital expenses	600	0.2	690	0.2
Total farm production expenditures	357,800	100.0	354,000	100.0

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.4	25.1	20,455	22,911	41,600	46,300
Feed	57.0	55.8	26,798	26,622	54,500	53,800
Farm services	91.1	92.7	21,193	21,822	43,100	44,100
Rent	26.1	27.3	14,604	14,251	29,700	28,800
Agricultural chemicals	39.6	45.4	7,720	7,620	15,700	15,400
Fertilizer, lime, and soil conditioners	46.7	50.2	10,818	11,480	22,000	23,200
Interest	31.9	31.8	4,770	4,849	9,700	9,800
Taxes	99.6	99.6	6,245	6,334	12,700	12,800
Labor	23.2	23.1	17,702	16,775	36,000	33,900
Fuel	84.1	84.6	5,851	6,086	11,900	12,300
Farm supplies and repairs	80.8	81.6	8,851	8,511	18,000	17,200
Farm improvements and construction	49.2	44.5	7,966	6,284	16,200	12,700
Tractors and self-propelled farm machinery	13.2	13.0	6,146	5,592	12,500	11,300
Other farm machinery	14.8	14.9	2,803	2,573	5,700	5,200
Seeds and plants	37.2	38.4	11,064	10,837	22,500	21,900
Trucks and autos	13.7	12.2	2,655	2,281	5,400	4,610
Miscellaneous capital expenses	4.7	4.8	295	341	600	690
Total farm production expenditures	100.0	100.0	175,935	175,169	357,800	354,000

Farm Production Expenditures by Year – United States: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	45,100	45,400	40,000	41,600	46,300
Feed	63,700	58,500	55,600	54,500	53,800
Farm services	45,300	41,600	41,700	43,100	44,100
Rent	32,600	31,000	29,800	29,700	28,800
Agricultural chemicals	15,800	14,600	15,200	15,700	15,400
Fertilizer, lime, and soil conditioners	28,000	25,500	23,500	22,000	23,200
Interest	9,700	9,500	9,100	9,700	9,800
Taxes	13,600	12,800	11,900	12,700	12,800
Labor	34,200	31,800	34,100	36,000	33,900
Fuel	16,700	12,300	11,300	11,900	12,300
Farm supplies and repairs	19,900	18,700	17,600	18,000	17,200
Farm improvements and construction	18,200	16,100	14,500	16,200	12,700
Tractors and self-propelled farm machinery	16,900	11,900	10,600	12,500	11,300
Other farm machinery	9,000	6,100	5,000	5,700	5,200
Seeds and plants	22,100	21,300	21,800	22,500	21,900
Trucks and autos	6,200	5,000	4,400	5,400	4,610
Miscellaneous capital expenses	600	700	800	600	690
Total farm production expenditures	397,600	362,800	346,900	357,800	354,000

Farm Production Expenditures by Percent of Total – United States: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry, and related expenses	11.3	12.5	11.5	11.6	13.1
Feed	16.0	16.1	16.0	15.2	15.2
Farm services	11.4	11.5	12.0	12.0	12.5
Rent	8.2	8.5	8.6	8.3	8.1
Agricultural chemicals	4.0	4.0	4.4	4.4	4.4
Fertilizer, lime, and soil conditioners	7.0	7.0	6.8	6.1	6.6
Interest	2.4	2.6	2.6	2.7	2.8
Taxes	3.4	3.5	3.4	3.5	3.6
Labor	8.6	8.8	9.8	10.1	9.6
Fuel	4.2	3.4	3.3	3.3	3.5
Farm supplies and repairs	5.0	5.2	5.1	5.0	4.9
Farm improvements and construction	4.6	4.4	4.2	4.5	3.6
Tractors and self-propelled farm machinery	4.3	3.3	3.1	3.5	3.2
Other farm machinery	2.3	1.7	1.4	1.6	1.5
Seeds and plants	5.6	5.9	6.3	6.3	6.2
Trucks and autos	1.6	1.4	1.3	1.5	1.3
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: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	11.2	8.8	2,329	2,401	2,000	2,100
Feed	19.5	18.0	2,096	1,715	1,800	1,500
Farm services	89.5	88.7	28,182	28,360	24,200	24,800
Rent	31.8	31.0	28,997	27,560	24,900	24,100
Agricultural chemicals	54.5	57.0	16,304	15,781	14,000	13,800
Fertilizer, lime, and soil conditioners	59.2	61.3	21,660	22,757	18,600	19,900
Interest	35.0	34.8	6,405	6,404	5,500	5,600
Taxes	99.9	99.8	9,083	9,149	7,800	8,000
Labor	26.8	26.4	30,627	28,017	26,300	24,500
Fuel	82.4	80.4	8,734	8,920	7,500	7,800
Farm supplies and repairs	78.4	76.9	12,693	12,236	10,900	10,700
Farm improvements and construction	45.5	41.6	8,152	7,433	7,000	6,500
Tractors and self-propelled farm machinery	14.0	13.9	9,200	8,119	7,900	7,100
Other farm machinery	17.0	15.4	4,192	3,820	3,600	3,340
Seeds and plants	55.2	53.9	23,058	22,300	19,800	19,500
Trucks and autos	13.5	12.3	3,074	2,745	2,640	2,400
Miscellaneous capital expenses	4.3	4.1	268	309	230	270
Total farm production expenditures	100.0	100.0	215,055	208,026	184,670	181,910

Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	39.3	37.4	33,702	38,554	39,600	44,200
Feed	84.4	84.7	44,851	45,619	52,700	52,300
Farm services	92.3	95.7	16,085	16,835	18,900	19,300
Rent	21.9	24.6	4,085	4,100	4,800	4,700
Agricultural chemicals	28.6	36.6	1,447	1,396	1,700	1,600
Fertilizer, lime, and soil conditioners	37.5	41.6	2,894	2,878	3,400	3,300
Interest	29.6	29.6	3,574	3,664	4,200	4,200
Taxes	99.3	99.5	4,170	4,187	4,900	4,800
Labor	20.6	20.7	8,255	8,199	9,700	9,400
Fuel	85.3	87.8	3,745	3,925	4,400	4,500
Farm supplies and repairs	82.5	85.3	6,043	5,670	7,100	6,500
Farm improvements and construction	51.9	46.6	7,830	5,408	9,200	6,200
Tractors and self-propelled farm machinery	12.6	12.3	3,915	3,664	4,600	4,200
Other farm machinery	13.2	14.6	1,787	1,622	2,100	1,860
Seeds and plants	24.0	26.6	2,298	2,093	2,700	2,400
Trucks and autos	13.9	12.1	2,349	1,928	2,760	2,210
Miscellaneous capital expenses	5.0	5.3	315	366	370	420
Total farm production expenditures	100.0	100.0	147,346	150,108	173,130	172,090

Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000	4.7	4.7	16,020	15,996	16,650	16,490
\$10,000 - \$49,999	5.1	5.0	37,864	36,667	18,330	17,640
\$50,000 - \$99,999	3.4	3.3	92,092	87,053	12,310	11,760
\$100,000 - \$249,999	6.6	6.8	174,594	178,338	23,750	24,040
\$250,000 - \$499,999	9.0	8.9	359,181	354,357	32,100	31,350
\$500,000 - \$999,999	13.3	13.3	662,587	651,360	47,640	46,950
\$1,000,000 - \$4,999,999	32.4	32.0	1,647,050	1,627,496	115,870	113,290
\$5,000,000 and over	25.5	26.1	10,150,334	10,426,156	91,150	92,480
Total farm production expenditures	100.0	100.0	175,935	175,169	357,800	354,000

Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.2	19.2	452	446	470	460
Feed	58.1	57.9	1,616	1,649	1,680	1,700
Farm services	84.9	88.6	2,126	2,202	2,210	2,270
Rent	7.4	9.0	164	175	170	180
Agricultural chemicals	18.6	27.0	115	136	120	140
Fertilizer, lime, and soil conditioners	26.7	32.0	337	398	350	410
Interest	18.8	18.4	818	786	850	810
Taxes	99.3	99.5	2,184	2,250	2,270	2,320
Labor	10.7	11.3	481	524	500	540
Fuel	75.0	77.2	664	795	690	820
Farm supplies and repairs	70.6	72.7	1,203	1,135	1,250	1,170
Farm improvements and construction	38.8	35.1	2,540	2,134	2,640	2,200
Tractors and self-propelled farm machinery	8.3	9.1	1,443	1,533	1,500	1,580
Other farm machinery	7.7	8.7	471	456	490	470
Seeds and plants	16.8	18.5	183	175	190	180
Trucks and autos	8.7	9.0	1,087	1,038	1,130	1,070
Miscellaneous capital expenses	2.9	3.3	135	165	140	170
Total farm production expenditures	100.0	100.0	16,020	15,996	16,650	16,490

Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.9	25.1	1,859	1,767	900	850
Feed	59.4	56.8	2,975	2,869	1,440	1,380
Farm services	95.4	93.7	5,350	5,197	2,590	2,500
Rent	24.8	27.0	1,467	1,393	710	670
Agricultural chemicals	42.0	47.4	723	769	350	370
Fertilizer, lime, and soil conditioners	51.7	55.9	1,797	2,141	870	1,030
Interest	27.6	29.4	1,487	1,642	720	790
Taxes	99.6	99.5	3,512	3,409	1,700	1,640
Labor	21.5	20.7	1,694	1,663	820	800
Fuel	89.2	87.1	1,900	1,933	920	930
Farm supplies and repairs	85.8	84.8	2,954	2,806	1,430	1,350
Farm improvements and construction	52.6	46.6	3,739	3,409	1,810	1,640
Tractors and self-propelled farm machinery	15.4	13.9	3,450	3,097	1,670	1,490
Other farm machinery	14.4	16.5	1,136	1,247	550	600
Seeds and plants	39.4	40.7	1,219	1,289	590	620
Trucks and autos	14.2	11.1	2,293	1,642	1,110	790
Miscellaneous capital expenses	5.4	5.2	310	395	150	190
Total farm production expenditures	100.0	100.0	37,864	36,667	18,330	17,640

Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	32.8	32.8	4,788	4,367	640	590
Feed	56.3	54.3	6,284	5,404	840	730
Farm services	99.4	99.7	13,541	12,880	1,810	1,740
Rent	49.3	49.2	5,835	6,070	780	820
Agricultural chemicals	68.4	70.2	3,741	3,849	500	520
Fertilizer, lime, and soil conditioners	75.5	74.2	6,509	7,032	870	950
Interest	45.9	44.9	3,516	3,405	470	460
Taxes	100.0	100.0	6,135	5,922	820	800
Labor	33.2	30.2	4,638	5,330	620	720
Fuel	95.2	94.9	4,414	4,664	590	630
Farm supplies and repairs	93.9	95.4	7,556	6,884	1,010	930
Farm improvements and construction	59.1	52.5	7,032	5,774	940	780
Tractors and self-propelled farm machinery	14.9	12.0	5,087	4,738	680	640
Other farm machinery	22.6	16.8	2,918	1,777	390	240
Seeds and plants	65.4	64.2	5,611	5,700	750	770
Trucks and autos	21.0	13.9	4,040	2,813	540	380
Miscellaneous capital expenses	6.6	7.0	449	444	60	60
Total farm production expenditures	100.0	100.0	92,092	87,053	12,310	11,760

Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	34.6	32.2	8,822	8,160	1,200	1,100
Feed	50.3	49.0	11,468	11,795	1,560	1,590
Farm services	99.8	99.9	24,553	24,629	3,340	3,320
Rent	61.5	61.3	16,467	16,469	2,240	2,220
Agricultural chemicals	78.6	81.6	9,483	9,941	1,290	1,340
Fertilizer, lime, and soil conditioners	83.5	83.7	15,144	17,136	2,060	2,310
Interest	55.8	59.6	6,102	6,528	830	880
Taxes	100.0	99.9	9,704	9,644	1,320	1,300
Labor	40.2	39.1	12,130	12,018	1,650	1,620
Fuel	97.1	97.0	8,233	9,050	1,120	1,220
Farm supplies and repairs	96.0	96.5	12,497	12,760	1,700	1,720
Farm improvements and construction	62.3	57.6	9,557	9,050	1,300	1,220
Tractors and self-propelled farm machinery	16.2	18.6	8,013	8,383	1,090	1,130
Other farm machinery	25.1	25.4	4,117	4,228	560	570
Seeds and plants	76.9	76.1	13,894	13,947	1,890	1,880
Trucks and autos	18.8	17.6	3,896	4,006	530	540
Miscellaneous capital expenses	7.9	7.7	515	593	70	80
Total farm production expenditures	100.0	100.0	174,594	178,338	23,750	24,040

Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	38.2	36.5	17,120	19,216	1,530	1,700
Feed	50.3	48.0	28,309	24,867	2,530	2,200
Farm services	100.0	100.0	46,436	47,135	4,150	4,170
Rent	78.0	78.6	44,310	43,065	3,960	3,810
Agricultural chemicals	88.8	86.1	22,379	22,380	2,000	1,980
Fertilizer, lime, and soil conditioners	89.5	88.0	32,449	34,023	2,900	3,010
Interest	68.9	65.0	11,861	12,434	1,060	1,100
Taxes	100.0	99.8	16,113	15,825	1,440	1,400
Labor	55.0	53.6	23,610	24,302	2,110	2,150
Fuel	99.6	98.1	14,322	15,372	1,280	1,360
Farm supplies and repairs	98.5	96.9	22,491	21,702	2,010	1,920
Farm improvements and construction	71.1	62.8	13,987	9,834	1,250	870
Tractors and self-propelled farm machinery	25.7	21.5	18,686	15,485	1,670	1,370
Other farm machinery	35.8	29.2	8,280	8,477	740	750
Seeds and plants	85.1	88.2	33,009	34,249	2,950	3,030
Trucks and autos	23.6	21.2	5,259	5,426	470	480
Miscellaneous capital expenses	6.8	6.3	559	565	50	50
Total farm production expenditures	100.0	100.0	359,181	354,357	32,100	31,350

Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	40.2	34.8	43,950	45,782	3,160	3,300
Feed	46.0	42.6	53,547	47,170	3,850	3,400
Farm services	100.0	100.0	77,886	80,466	5,600	5,800
Rent	78.7	79.0	87,622	84,628	6,300	6,100
Agricultural chemicals	87.8	89.3	41,725	40,927	3,000	2,950
Fertilizer, lime, and soil conditioners	88.6	88.4	61,196	65,344	4,400	4,710
Interest	78.8	71.3	21,280	20,117	1,530	1,450
Taxes	100.0	100.0	24,896	24,695	1,790	1,780
Labor	65.2	68.7	52,851	53,690	3,800	3,870
Fuel	98.7	98.9	25,174	25,805	1,810	1,860
Farm supplies and repairs	98.9	98.3	37,413	35,932	2,690	2,590
Farm improvements and construction	73.1	69.9	26,565	23,030	1,910	1,660
Tractors and self-propelled farm machinery	24.1	25.0	25,452	23,446	1,830	1,690
Other farm machinery	34.6	32.9	14,186	11,654	1,020	840
Seeds and plants	85.1	87.4	59,805	61,043	4,300	4,400
Trucks and autos	26.6	22.8	8,345	6,937	600	500
Miscellaneous capital expenses	9.2	8.6	695	694	50	50
Total farm production expenditures	100.0	100.0	662,587	651,360	47,640	46,950

Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	54.8	53.6	181,947	214,050	12,800	14,900
Feed	56.2	57.9	301,350	295,934	21,200	20,600
Farm services	100.0	100.0	196,162	205,430	13,800	14,300
Rent	72.8	69.3	167,733	165,206	11,800	11,500
Agricultural chemicals	84.0	84.7	83,866	80,448	5,900	5,600
Fertilizer, lime, and soil conditioners	79.2	76.7	109,453	112,053	7,700	7,800
Interest	80.3	80.3	40,654	40,942	2,860	2,850
Taxes	100.0	100.0	35,679	36,776	2,510	2,560
Labor	76.4	76.3	160,625	147,967	11,300	10,300
Fuel	99.6	99.6	52,168	52,866	3,670	3,680
Farm supplies and repairs	99.2	97.8	69,225	66,370	4,870	4,620
Farm improvements and construction	78.4	72.5	54,584	30,599	3,840	2,130
Tractors and self-propelled farm machinery	30.7	28.2	46,624	39,362	3,280	2,740
Other farm machinery	38.0	33.5	21,322	19,537	1,500	1,360
Seeds and plants	77.6	76.2	113,717	109,180	8,000	7,600
Trucks and autos	29.9	26.7	10,945	9,769	770	680
Miscellaneous capital expenses	9.5	7.1	995	1,006	70	70
Total farm production expenditures	100.0	100.0	1,647,050	1,627,496	115,870	113,290

Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	58.6	54.0	2,327,394	2,638,106	20,900	23,400
Feed	63.8	60.6	2,383,073	2,502,818	21,400	22,200
Farm services	100.0	100.0	1,069,042	1,127,396	9,600	10,000
Rent	66.2	68.1	416,481	394,589	3,740	3,500
Agricultural chemicals	85.4	84.8	282,851	281,849	2,540	2,500
Fertilizer, lime, and soil conditioners	80.2	77.9	317,372	335,964	2,850	2,980
Interest	84.3	81.7	153,675	164,600	1,380	1,460
Taxes	100.0	100.0	94,655	112,740	850	1,000
Labor	91.8	95.2	1,692,650	1,567,080	15,200	13,900
Fuel	99.4	100.0	202,673	202,931	1,820	1,800
Farm supplies and repairs	99.4	98.6	338,530	326,945	3,040	2,900
Farm improvements and construction	86.9	81.7	279,510	248,027	2,510	2,200
Tractors and self-propelled farm machinery	43.4	36.1	86,860	74,408	780	660
Other farm machinery	35.3	37.0	50,111	41,714	450	370
Seeds and plants	79.3	77.0	426,503	385,569	3,830	3,420
Trucks and autos	44.3	33.4	27,840	19,166	250	170
Miscellaneous capital expenses	11.0	9.0	1,114	2,255	10	20
Total farm production expenditures	100.0	100.0	10,150,334	10,426,156	91,150	92,480

Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms	7,500	7,800	4,940	5,400	1,250	1,230	740	740	570	430
Livestock farms	4,400	4,500	2,560	2,700	950	900	660	670	230	230

Economic class	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000	690	820	360	440	260	300	50	50	20	30
\$10,000 - \$49,999	920	930	580	600	260	250	60	60	20	20
\$50,000 - \$99,999	590	630	370	400	150	160	50	50	20	20
\$100,000 - \$249,999	1,120	1,220	710	860	260	220	110	100	40	40
\$250,000 - \$499,999	1,280	1,360	850	1,000	230	200	130	120	70	40
\$500,000 - \$999,999	1,810	1,860	1,230	1,290	290	280	210	210	80	80
\$1,000,000 - \$4,999,999	3,670	3,680	2,310	2,390	520	460	610	540	230	290
\$5,000,000 and over	1,820	1,800	1,090	1,120	230	260	180	280	320	140

Region	Fuel production expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic	1,600	1,560	900	930	320	280	230	220	150	130
South	1,460	1,510	920	950	260	270	210	190	70	100
Midwest	3,450	3,820	2,160	2,540	510	480	640	640	140	160
Plains	2,950	3,050	1,930	2,110	570	560	175	220	275	160
West	2,440	2,360	1,590	1,570	540	540	145	140	165	110
United States	11,900	12,300	7,500	8,100	2,200	2,130	1,400	1,410	800	660

Farm Production Expenditures – Region, State, and United States: 2017 and 2018

[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			
	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic						
North Carolina	11,235	12,110	2,350	2,770	20.9	22.9
Other States	32,005	32,915	1,670	2,210	5.2	6.7
Total	43,240	45,025	4,020	4,980	9.3	11.1
South						
Arkansas	8,190	8,160	800	910	9.8	11.2
Florida	5,950	5,490	70	80	1.2	1.5
Georgia	7,205	7,675	980	1,070	13.6	13.9
Other States	14,765	15,020	1,390	1,740	9.4	11.6
Total	36,110	36,345	3,240	3,800	9.0	10.5
Midwest						
Illinois	16,835	16,050	880	530	5.2	3.3
Indiana	10,285	10,125	590	550	5.7	5.4
Iowa	26,395	25,320	4,240	4,050	16.1	16.0
Minnesota	16,030	15,955	1,300	1,370	8.1	8.6
Missouri	10,170	10,315	930	1,030	9.1	10.0
Wisconsin	11,425	10,050	630	610	5.5	6.1
Other States	16,630	16,920	1,000	970	6.0	5.7
Total	107,770	104,735	9,570	9,110	8.9	8.7
Plains						
Kansas	18,635	17,260	6,590	6,380	35.4	37.0
Nebraska	22,595	24,240	6,330	8,090	28.0	33.4
Texas	24,550	25,080	4,600	5,910	18.7	23.6
Other States	26,120	25,165	3,580	3,520	13.7	14.0
Total	91,900	91,745	21,100	23,900	23.0	26.1
West						
California	37,795	36,770	680	990	1.8	2.7
Washington	8,665	8,190	630	230	7.3	2.8
Other States	32,320	31,190	2,360	3,290	7.3	10.5
Total	78,780	76,150	3,670	4,510	4.7	5.9
United States	357,800	354,000	41,600	46,300	11.6	13.1

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	3,400	3,760	30.3	31.0	1,030	1,640	9.2	13.5
Other States	5,900	5,840	18.4	17.7	4,070	4,060	12.7	12.3
Total	9,300	9,600	21.5	21.3	5,100	5,700	11.8	12.7
South								
Arkansas	2,160	2,130	26.4	26.1	970	940	11.8	11.5
Florida	520	510	8.7	9.3	800	640	13.4	11.7
Georgia	2,100	2,260	29.1	29.4	720	880	10.0	11.5
Other States	3,720	3,900	25.2	26.0	1,820	1,940	12.3	12.9
Total	8,500	8,800	23.5	24.2	4,310	4,400	11.9	12.1
Midwest								
Illinois	1,000	820	5.9	5.1	1,500	1,520	8.9	9.5
Indiana	1,150	1,130	11.2	11.2	1,070	990	10.4	9.8
Iowa	4,400	4,270	16.7	16.9	2,610	2,500	9.9	9.9
Minnesota	2,250	2,030	14.0	12.7	1,920	1,840	12.0	11.5
Missouri	1,770	1,410	17.4	13.7	1,040	1,080	10.2	10.5
Wisconsin	1,930	1,790	16.9	17.8	1,590	1,400	13.9	13.9
Other States	2,500	2,050	15.0	12.1	2,000	1,970	12.0	11.6
Total	15,000	13,500	13.9	12.9	11,730	11,300	10.9	10.8
Plains								
Kansas	2,600	2,300	14.0	13.3	1,340	1,360	7.2	7.9
Nebraska	3,000	3,100	13.3	12.8	1,990	2,010	8.8	8.3
Texas	4,400	4,750	17.9	18.9	3,020	3,100	12.3	12.4
Other States	2,100	1,850	8.0	7.4	2,900	2,830	11.1	11.2
Total	12,100	12,000	13.2	13.1	9,250	9,300	10.1	10.1
West								
California	3,400	4,500	9.0	12.2	6,530	7,330	17.3	19.9
Washington	1,100	870	12.7	10.6	1,320	1,650	15.2	20.1
Other States	5,100	4,530	15.8	14.5	4,860	4,420	15.0	14.2
Total	9,600	9,900	12.2	13.0	12,710	13,400	16.1	17.6
United States	54,500	53,800	15.2	15.2	43,100	44,100	12.0	12.5

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	280	250	2.5	2.1	310	320	2.8	2.6
Other States	1,280	1,290	4.0	3.9	930	1,010	2.9	3.1
Total	1,560	1,540	3.6	3.4	1,240	1,330	2.9	3.0
South								
Arkansas	730	730	8.9	8.9	450	460	5.5	5.6
Florida	130	110	2.2	2.0	430	300	7.2	5.5
Georgia	220	220	3.1	2.9	310	320	4.3	4.2
Other States	810	840	5.5	5.6	690	700	4.7	4.7
Total	1,890	1,900	5.2	5.2	1,880	1,780	5.2	4.9
Midwest								
Illinois	3,590	3,280	21.3	20.4	1,130	1,210	6.7	7.5
Indiana	1,520	1,490	14.8	14.7	560	560	5.4	5.5
Iowa	3,720	3,690	14.1	14.6	1,140	1,090	4.3	4.3
Minnesota	1,840	2,080	11.5	13.0	780	730	4.9	4.6
Missouri	990	1,180	9.7	11.4	580	580	5.7	5.6
Wisconsin	580	560	5.1	5.6	360	320	3.2	3.2
Other States	1,390	1,400	8.4	8.3	730	780	4.4	4.6
Total	13,630	13,680	12.6	13.1	5,280	5,270	4.9	5.0
Plains								
Kansas	1,360	1,320	7.3	7.6	740	770	4.0	4.5
Nebraska	2,400	2,440	10.6	10.1	830	870	3.7	3.6
Texas	1,120	800	4.6	3.2	700	610	2.9	2.4
Other States	3,000	2,910	11.5	11.6	1,470	1,390	5.6	5.5
Total	7,880	7,470	8.6	8.1	3,740	3,640	4.1	4.0
West								
California	2,230	1,950	5.9	5.3	1,910	2,000	5.1	5.4
Washington	540	460	6.2	5.6	560	480	6.5	5.9
Other States	1,970	1,800	6.1	5.8	1,090	900	3.4	2.9
Total	4,740	4,210	6.0	5.5	3,560	3,380	4.5	4.4
United States	29,700	28,800	8.3	8.1	15,700	15,400	4.4	4.4

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017 (million dollars)	2018 (million dollars)	2017 (percent of total)	2018 (percent of total)	2017 (million dollars)	2018 (million dollars)	2017 (percent of total)	2018 (percent of total)
Atlantic								
North Carolina	460	410	4.1	3.4	160	150	1.4	1.2
Other States	1,630	1,950	5.1	5.9	900	890	2.8	2.7
Total	2,090	2,360	4.8	5.2	1,060	1,040	2.5	2.3
South								
Arkansas	435	485	5.3	5.9	200	180	2.4	2.2
Florida	455	310	7.6	5.6	160	100	2.7	1.8
Georgia	360	455	5.0	5.9	150	110	2.1	1.4
Other States	800	920	5.4	6.1	300	330	2.0	2.2
Total	2,050	2,170	5.7	6.0	810	720	2.2	2.0
Midwest								
Illinois	1,720	1,850	10.2	11.5	460	530	2.7	3.3
Indiana	960	1,080	9.3	10.7	370	350	3.6	3.5
Iowa	1,810	1,790	6.9	7.1	830	890	3.1	3.5
Minnesota	1,310	1,420	8.2	8.9	600	640	3.7	4.0
Missouri	850	910	8.4	8.8	320	370	3.1	3.6
Wisconsin	720	660	6.3	6.6	450	460	3.9	4.6
Other States	1,150	1,270	6.9	7.5	520	560	3.1	3.3
Total	8,520	8,980	7.9	8.6	3,550	3,800	3.3	3.6
Plains								
Kansas	950	970	5.1	5.6	380	390	2.0	2.3
Nebraska	1,270	1,360	5.6	5.6	580	550	2.6	2.3
Texas	1,000	1,060	4.1	4.2	400	530	1.6	2.1
Other States	2,040	2,280	7.8	9.1	950	950	3.6	3.8
Total	5,260	5,670	5.7	6.2	2,310	2,420	2.5	2.6
West								
California	1,980	2,030	5.2	5.5	840	710	2.2	1.9
Washington	410	380	4.7	4.6	160	150	1.8	1.8
Other States	1,690	1,610	5.2	5.2	970	960	3.0	3.1
Total	4,080	4,020	5.2	5.3	1,970	1,820	2.5	2.4
United States	22,000	23,200	6.1	6.6	9,700	9,800	2.7	2.8

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	230	240	2.0	2.0	1,070	730	9.5	6.0
Other States	1,440	1,540	4.5	4.7	3,610	3,360	11.3	10.2
Total	1,670	1,780	3.9	4.0	4,680	4,090	10.8	9.1
South								
Arkansas	170	155	2.1	1.9	310	320	3.8	3.9
Florida	170	200	2.9	3.6	1,550	1,540	26.1	28.1
Georgia	170	200	2.4	2.6	610	530	8.5	6.9
Other States	360	285	2.4	1.9	740	700	5.0	4.7
Total	870	840	2.4	2.3	3,210	3,090	8.9	8.5
Midwest								
Illinois	510	600	3.0	3.7	570	550	3.4	3.4
Indiana	435	510	4.2	5.0	500	520	4.9	5.1
Iowa	820	900	3.1	3.6	910	770	3.4	3.0
Minnesota	620	720	3.9	4.5	730	670	4.6	4.2
Missouri	265	310	2.6	3.0	390	350	3.8	3.4
Wisconsin	380	400	3.3	4.0	1,050	1,110	9.2	11.0
Other States	830	860	5.0	5.1	1,290	1,670	7.8	9.9
Total	3,860	4,300	3.6	4.1	5,440	5,640	5.0	5.4
Plains								
Kansas	620	480	3.3	2.8	610	560	3.3	3.2
Nebraska	1,300	1,200	5.8	5.0	770	780	3.4	3.2
Texas	1,050	1,020	4.3	4.1	1,900	2,050	7.7	8.2
Other States	1,140	960	4.4	3.8	840	760	3.2	3.0
Total	4,110	3,660	4.5	4.0	4,120	4,150	4.5	4.5
West								
California	1,110	1,160	2.9	3.2	11,700	10,170	31.0	27.7
Washington	210	250	2.4	3.1	2,100	2,090	24.2	25.5
Other States	870	810	2.7	2.6	4,750	4,670	14.7	15.0
Total	2,190	2,220	2.8	2.9	18,550	16,930	23.5	22.2
United States	12,700	12,800	3.5	3.6	36,000	33,900	10.1	9.6

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017 (million dollars)	2018 (million dollars)	2017 (percent of total)	2018 (percent of total)	2017 (million dollars)	2018 (million dollars)	2017 (percent of total)	2018 (percent of total)
Atlantic								
North Carolina	320	290	2.8	2.4	430	330	3.8	2.7
Other States	1,280	1,270	4.0	3.9	2,220	2,320	6.9	7.0
Total	1,600	1,560	3.7	3.5	2,650	2,650	6.1	5.9
South								
Arkansas	380	390	4.6	4.8	315	355	3.8	4.4
Florida	200	170	3.4	3.1	345	300	5.8	5.5
Georgia	230	290	3.2	3.8	280	275	3.9	3.6
Other States	650	660	4.4	4.4	660	680	4.5	4.5
Total	1,460	1,510	4.0	4.2	1,600	1,610	4.4	4.4
Midwest								
Illinois	510	560	3.0	3.5	730	780	4.3	4.9
Indiana	360	380	3.5	3.8	520	520	5.1	5.1
Iowa	650	780	2.5	3.1	950	1,060	3.6	4.2
Minnesota	620	650	3.9	4.1	880	840	5.5	5.3
Missouri	380	395	3.7	3.8	530	580	5.2	5.6
Wisconsin	370	395	3.2	3.9	790	700	6.9	7.0
Other States	560	660	3.4	3.9	980	1,100	5.9	6.5
Total	3,450	3,820	3.2	3.6	5,380	5,580	5.0	5.3
Plains								
Kansas	510	490	2.7	2.8	680	600	3.6	3.5
Nebraska	570	610	2.5	2.5	830	820	3.7	3.4
Texas	890	880	3.6	3.5	1,010	910	4.1	3.6
Other States	980	1,070	3.8	4.3	1,400	1,390	5.4	5.5
Total	2,950	3,050	3.2	3.3	3,920	3,720	4.3	4.1
West								
California	1,020	970	2.7	2.6	1,900	1,530	5.0	4.2
Washington	200	210	2.3	2.6	430	410	5.0	5.0
Other States	1,220	1,180	3.8	3.8	2,120	1,700	6.6	5.5
Total	2,440	2,360	3.1	3.1	4,450	3,640	5.6	4.8
United States	11,900	12,300	3.3	3.5	18,000	17,200	5.0	4.9

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017 (million dollars)	2018 (million dollars)	2017 (percent of total)	2018 (percent of total)	2017 (million dollars)	2018 (million dollars)	2017 (percent of total)	2018 (percent of total)
Atlantic								
North Carolina	280	350	2.5	2.9	290	300	2.6	2.5
Other States	2,360	1,950	7.4	5.9	1,210	1,670	3.8	5.1
Total	2,640	2,300	6.1	5.1	1,500	1,970	3.5	4.4
South								
Arkansas	160	150	2.0	1.8	330	225	4.0	2.8
Florida	350	320	5.9	5.8	125	200	2.1	3.6
Georgia	280	210	3.9	2.7	285	295	4.0	3.8
Other States	760	480	5.1	3.2	770	630	5.2	4.2
Total	1,550	1,160	4.3	3.2	1,510	1,350	4.2	3.7
Midwest								
Illinois	700	500	4.2	3.1	860	740	5.1	4.6
Indiana	490	500	4.8	4.9	440	340	4.3	3.4
Iowa	960	610	3.6	2.4	650	550	2.5	2.2
Minnesota	650	470	4.1	2.9	520	400	3.2	2.5
Missouri	460	450	4.5	4.4	460	510	4.5	4.9
Wisconsin	950	400	8.3	4.0	440	280	3.9	2.8
Other States	1,010	720	6.1	4.3	630	780	3.8	4.6
Total	5,220	3,650	4.8	3.5	4,000	3,600	3.7	3.4
Plains								
Kansas	470	190	2.5	1.1	530	380	2.8	2.2
Nebraska	570	390	2.5	1.6	510	390	2.3	1.6
Texas	1,250	980	5.1	3.9	1,310	850	5.3	3.4
Other States	1,250	790	4.8	3.1	1,190	1,220	4.6	4.8
Total	3,540	2,350	3.9	2.6	3,540	2,840	3.9	3.1
West								
California	1,340	1,260	3.5	3.4	540	340	1.4	0.9
Washington	290	400	3.3	4.9	230	150	2.7	1.8
Other States	1,620	1,580	5.0	5.1	1,180	1,050	3.7	3.4
Total	3,250	3,240	4.1	4.3	1,950	1,540	2.5	2.0
United States	16,200	12,700	4.5	3.6	12,500	11,300	3.5	3.2

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	60	80	0.5	0.7	460	410	4.1	3.4
Other States	720	870	2.2	2.6	2,000	1,900	6.2	5.8
Total	780	950	1.8	2.1	2,460	2,310	5.7	5.1
South								
Arkansas	120	85	1.5	1.0	460	510	5.6	6.3
Florida	55	60	0.9	1.1	500	495	8.4	9.0
Georgia	75	105	1.0	1.4	330	345	4.6	4.5
Other States	220	160	1.5	1.1	780	730	5.3	4.9
Total	470	410	1.3	1.1	2,070	2,080	5.7	5.7
Midwest								
Illinois	420	440	2.5	2.7	2,020	1,940	12.0	12.1
Indiana	210	175	2.0	1.7	990	940	9.6	9.3
Iowa	340	260	1.3	1.0	2,100	1,930	8.0	7.6
Minnesota	350	385	2.2	2.4	1,500	1,590	9.4	10.0
Missouri	210	185	2.1	1.8	720	710	7.1	6.9
Wisconsin	310	170	2.7	1.7	700	720	6.1	7.2
Other States	430	395	2.6	2.3	1,310	1,440	7.9	8.5
Total	2,270	2,010	2.1	1.9	9,340	9,270	8.7	8.9
Plains								
Kansas	260	215	1.4	1.2	790	750	4.2	4.3
Nebraska	260	225	1.2	0.9	1,190	1,220	5.3	5.0
Texas	310	250	1.3	1.0	900	850	3.7	3.4
Other States	550	570	2.1	2.3	2,060	2,020	7.9	8.0
Total	1,380	1,260	1.5	1.4	4,940	4,840	5.4	5.3
West								
California	185	130	0.5	0.4	2,140	1,490	5.7	4.1
Washington	105	75	1.2	0.9	270	310	3.1	3.8
Other States	510	365	1.6	1.2	1,280	1,600	4.0	5.1
Total	800	570	1.0	0.7	3,690	3,400	4.7	4.5
United States	5,700	5,200	1.6	1.5	22,500	21,900	6.3	6.2

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Farm Production Expenditures – Region, State, and United States: 2017 and 2018 (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			
	2017	2018	2017	2018	2017	2018	2017	2018
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	90	70	0.8	0.6	15	10	0.1	0.1
Other States	720	710	2.2	2.2	65	75	0.2	0.2
Total	810	780	1.9	1.7	80	85	0.2	0.2
South								
Arkansas	190	120	2.3	1.5	10	15	0.1	0.2
Florida	85	150	1.4	2.7	5	5	0.1	0.1
Georgia	95	95	1.3	1.2	10	15	0.1	0.2
Other States	270	295	1.8	2.0	25	30	0.2	0.2
Total	640	660	1.8	1.8	50	65	0.1	0.2
Midwest								
Illinois	210	170	1.2	1.1	25	30	0.1	0.2
Indiana	110	80	1.1	0.8	10	10	0.1	0.1
Iowa	240	155	0.9	0.6	25	25	0.1	0.1
Minnesota	140	90	0.9	0.6	20	30	0.1	0.2
Missouri	230	210	2.3	2.0	45	55	0.4	0.5
Wisconsin	150	50	1.3	0.5	25	25	0.2	0.2
Other States	280	285	1.7	1.7	20	10	0.1	0.1
Total	1,360	1,040	1.3	1.0	170	185	0.2	0.2
Plains								
Kansas	190	90	1.0	0.5	15	15	0.1	0.1
Nebraska	170	160	0.8	0.7	25	25	0.1	0.1
Texas	590	450	2.4	1.8	100	80	0.4	0.3
Other States	610	570	2.3	2.3	60	85	0.2	0.3
Total	1,560	1,270	1.7	1.4	200	205	0.2	0.2
West								
California	280	190	0.7	0.5	10	20	(Z)	0.1
Washington	100	60	1.2	0.7	10	15	0.1	0.2
Other States	650	610	2.0	2.0	80	115	0.2	0.4
Total	1,030	860	1.3	1.1	100	150	0.1	0.2
United States	5,400	4,610	1.5	1.3	600	690	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: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	31.8	24.1	9,983	12,428	4,020	4,980
Feed	61.6	60.4	23,094	23,958	9,300	9,600
Farm services	90.9	88.8	12,665	14,225	5,100	5,700
Rent	19.0	20.1	3,874	3,843	1,560	1,540
Agricultural chemicals	32.5	37.4	3,079	3,319	1,240	1,330
Fertilizer, lime, and soil conditioners	50.0	50.8	5,190	5,890	2,090	2,360
Interest	32.4	27.3	2,632	2,595	1,060	1,040
Taxes	100.0	100.0	4,147	4,442	1,670	1,780
Labor	20.3	20.5	11,622	10,207	4,680	4,090
Fuel	91.6	88.2	3,973	3,893	1,600	1,560
Farm supplies and repairs	87.5	85.9	6,581	6,613	2,650	2,650
Farm improvements and construction	52.4	45.9	6,556	5,740	2,640	2,300
Tractors and self-propelled farm machinery	13.1	13.5	3,725	4,916	1,500	1,970
Other farm machinery	15.8	17.2	1,937	2,371	780	950
Seeds and plants	34.6	37.1	6,109	5,765	2,460	2,310
Trucks and autos	12.0	12.1	2,011	1,947	810	780
Miscellaneous capital expenses	3.7	3.5	199	212	80	85
Total farm production expenditures	100.0	100.0	107,375	112,366	43,240	45,025

Farm Production Expenditures Total by Year – Atlantic Region: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,600	4,150	3,780	4,020	4,980
Feed	10,630	10,050	9,430	9,300	9,600
Farm services	5,290	4,820	5,100	5,100	5,700
Rent	1,810	1,730	1,740	1,560	1,540
Agricultural chemicals	1,320	1,190	1,160	1,240	1,330
Fertilizer, lime, and soil conditioners	2,620	2,290	2,190	2,090	2,360
Interest	1,120	1,080	950	1,060	1,040
Taxes	1,970	1,700	1,600	1,670	1,780
Labor	4,510	4,160	4,560	4,680	4,090
Fuel	2,190	1,650	1,390	1,600	1,560
Farm supplies and repairs	3,000	2,910	2,550	2,650	2,650
Farm improvements and construction	2,700	2,420	2,440	2,640	2,300
Tractors and self-propelled farm machinery	2,120	2,120	1,510	1,500	1,970
Other farm machinery	1,190	880	700	780	950
Seeds and plants	2,190	2,020	2,200	2,460	2,310
Trucks and autos	860	910	710	810	780
Miscellaneous capital expenses	70	110	100	80	85
Total farm production expenditures	48,190	44,190	42,110	43,240	45,025

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	34.0	25.3	50,647	59,698	2,350	2,770
Feed	63.8	48.1	73,276	81,034	3,400	3,760
Farm services	93.5	97.2	22,198	35,345	1,030	1,640
Rent	30.6	24.0	6,034	5,388	280	250
Agricultural chemicals	51.2	58.5	6,681	6,897	310	320
Fertilizer, lime, and soil conditioners	66.1	62.4	9,914	8,836	460	410
Interest	29.9	26.4	3,448	3,233	160	150
Taxes	100.0	100.0	4,957	5,172	230	240
Labor	30.3	24.8	23,060	15,733	1,070	730
Fuel	93.0	92.4	6,897	6,250	320	290
Farm supplies and repairs	86.4	86.8	9,267	7,112	430	330
Farm improvements and construction	47.8	45.3	6,034	7,543	280	350
Tractors and self-propelled farm machinery	16.7	15.9	6,250	6,466	290	300
Other farm machinery	10.8	18.4	1,293	1,724	60	80
Seeds and plants	42.2	43.0	9,914	8,836	460	410
Trucks and autos	12.1	11.9	1,940	1,509	90	70
Miscellaneous capital expenses	4.3	4.3	323	216	15	10
Total farm production expenditures	100.0	100.0	242,134	260,991	11,235	12,110

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	31.5	24.0	4,687	6,238	1,670	2,210
Feed	61.3	62.0	16,559	16,483	5,900	5,840
Farm services	90.6	87.7	11,423	11,459	4,070	4,060
Rent	17.5	19.6	3,592	3,641	1,280	1,290
Agricultural chemicals	30.1	34.6	2,610	2,851	930	1,010
Fertilizer, lime, and soil conditioners	47.9	49.3	4,575	5,504	1,630	1,950
Interest	32.7	27.4	2,526	2,512	900	890
Taxes	100.0	100.0	4,042	4,347	1,440	1,540
Labor	19.0	20.0	10,132	9,483	3,610	3,360
Fuel	91.4	87.6	3,592	3,585	1,280	1,270
Farm supplies and repairs	87.6	85.8	6,231	6,548	2,220	2,320
Farm improvements and construction	53.0	46.0	6,624	5,504	2,360	1,950
Tractors and self-propelled farm machinery	12.7	13.2	3,396	4,714	1,210	1,670
Other farm machinery	16.5	17.1	2,021	2,456	720	870
Seeds and plants	33.7	36.3	5,613	5,363	2,000	1,900
Trucks and autos	12.0	12.1	2,021	2,004	720	710
Miscellaneous capital expenses	3.7	3.4	182	212	65	75
Total farm production expenditures	100.0	100.0	89,826	92,901	32,005	32,915

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.4	26.0	12,442	14,729	3,240	3,800
Feed	60.5	67.5	32,642	34,109	8,500	8,800
Farm services	91.6	93.6	16,551	17,054	4,310	4,400
Rent	20.1	19.5	7,258	7,364	1,890	1,900
Agricultural chemicals	39.1	50.3	7,220	6,899	1,880	1,780
Fertilizer, lime, and soil conditioners	52.1	55.1	7,873	8,411	2,050	2,170
Interest	22.3	23.6	3,111	2,791	810	720
Taxes	99.4	99.8	3,341	3,256	870	840
Labor	20.6	21.2	12,327	11,977	3,210	3,090
Fuel	87.0	88.6	5,607	5,853	1,460	1,510
Farm supplies and repairs	78.4	83.2	6,144	6,240	1,600	1,610
Farm improvements and construction	44.0	40.1	5,952	4,496	1,550	1,160
Tractors and self-propelled farm machinery	13.8	14.6	5,799	5,233	1,510	1,350
Other farm machinery	11.1	12.2	1,805	1,589	470	410
Seeds and plants	32.1	31.7	7,949	8,062	2,070	2,080
Trucks and autos	12.6	10.6	2,458	2,558	640	660
Miscellaneous capital expenses	3.7	3.9	192	252	50	65
Total farm production expenditures	100.0	100.0	138,671	140,872	36,110	36,345

Farm Production Expenditures Total by Year – South Region: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,750	3,180	3,190	3,240	3,800
Feed	9,990	8,750	8,620	8,500	8,800
Farm services	4,430	4,180	4,200	4,310	4,400
Rent	2,080	2,070	1,800	1,890	1,900
Agricultural chemicals	2,210	1,840	1,960	1,880	1,780
Fertilizer, lime, and soil conditioners	2,600	2,420	2,240	2,050	2,170
Interest	760	790	690	810	720
Taxes	900	900	880	870	840
Labor	3,460	3,550	3,400	3,210	3,090
Fuel	1,970	1,560	1,480	1,460	1,510
Farm supplies and repairs	1,840	1,820	1,630	1,600	1,610
Farm improvements and construction	1,290	1,330	1,260	1,550	1,160
Tractors and self-propelled farm machinery	1,800	1,380	1,130	1,510	1,350
Other farm machinery	510	510	350	470	410
Seeds and plants	2,160	2,190	2,080	2,070	2,080
Trucks and autos	730	570	550	640	660
Miscellaneous capital expenses	20	40	60	50	65
Total farm production expenditures	40,500	37,080	35,520	36,110	36,345

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.6	26.3	18,779	21,412	800	910
Feed	69.4	68.2	50,704	50,118	2,160	2,130
Farm services	94.4	92.0	22,770	22,118	970	940
Rent	23.3	22.8	17,136	17,176	730	730
Agricultural chemicals	32.4	48.7	10,563	10,824	450	460
Fertilizer, lime, and soil conditioners	39.7	53.5	10,211	11,412	435	485
Interest	30.3	35.5	4,695	4,235	200	180
Taxes	99.0	100.0	3,991	3,647	170	155
Labor	18.2	19.2	7,277	7,529	310	320
Fuel	89.8	83.9	8,920	9,176	380	390
Farm supplies and repairs	78.0	74.8	7,394	8,353	315	355
Farm improvements and construction	40.1	34.2	3,756	3,529	160	150
Tractors and self-propelled farm machinery	17.6	14.4	7,746	5,294	330	225
Other farm machinery	12.9	13.0	2,817	2,000	120	85
Seeds and plants	19.3	21.4	10,798	12,000	460	510
Trucks and autos	22.4	10.4	4,460	2,824	190	120
Miscellaneous capital expenses	3.8	5.0	235	353	10	15
Total farm production expenditures	100.0	100.0	192,254	192,000	8,190	8,160

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	16.5	25.4	1,471	1,684	70	80
Feed	63.3	65.2	10,924	10,737	520	510
Farm services	91.1	88.8	16,807	13,474	800	640
Rent	14.0	15.6	2,731	2,316	130	110
Agricultural chemicals	33.1	46.3	9,034	6,316	430	300
Fertilizer, lime, and soil conditioners	41.9	51.4	9,559	6,526	455	310
Interest	20.2	17.3	3,361	2,105	160	100
Taxes	100.0	100.0	3,571	4,211	170	200
Labor	23.4	25.4	32,563	32,421	1,550	1,540
Fuel	80.8	83.7	4,202	3,579	200	170
Farm supplies and repairs	73.8	77.4	7,248	6,316	345	300
Farm improvements and construction	50.8	46.6	7,353	6,737	350	320
Tractors and self-propelled farm machinery	11.5	13.9	2,626	4,211	125	200
Other farm machinery	7.4	10.4	1,155	1,263	55	60
Seeds and plants	20.5	32.4	10,504	10,421	500	495
Trucks and autos	10.5	9.3	1,786	3,158	85	150
Miscellaneous capital expenses	2.6	1.3	105	105	5	5
Total farm production expenditures	100.0	100.0	125,000	115,579	5,950	5,490

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.2	25.0	23,113	25,721	980	1,070
Feed	53.2	58.1	49,528	54,327	2,100	2,260
Farm services	89.7	88.8	16,981	21,154	720	880
Rent	21.4	18.7	5,189	5,288	220	220
Agricultural chemicals	43.9	52.1	7,311	7,692	310	320
Fertilizer, lime, and soil conditioners	61.2	62.8	8,491	10,938	360	455
Interest	23.9	23.9	3,538	2,644	150	110
Taxes	100.0	100.0	4,009	4,808	170	200
Labor	25.0	24.7	14,387	12,740	610	530
Fuel	88.7	85.0	5,425	6,971	230	290
Farm supplies and repairs	82.4	81.2	6,604	6,611	280	275
Farm improvements and construction	43.8	35.1	6,604	5,048	280	210
Tractors and self-propelled farm machinery	13.5	14.4	6,722	7,091	285	295
Other farm machinery	12.3	14.6	1,769	2,524	75	105
Seeds and plants	34.5	32.1	7,783	8,293	330	345
Trucks and autos	10.6	10.6	2,241	2,284	95	95
Miscellaneous capital expenses	4.3	3.7	236	361	10	15
Total farm production expenditures	100.0	100.0	169,929	184,495	7,205	7,675

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.4	26.4	10,876	13,766	1,390	1,740
Feed	58.9	71.3	29,108	30,854	3,720	3,900
Farm services	91.5	97.4	14,241	15,348	1,820	1,940
Rent	20.8	20.1	6,338	6,646	810	840
Agricultural chemicals	41.9	51.7	5,399	5,538	690	700
Fertilizer, lime, and soil conditioners	57.1	54.5	6,260	7,278	800	920
Interest	19.9	21.9	2,347	2,611	300	330
Taxes	99.2	99.7	2,817	2,255	360	285
Labor	18.8	19.2	5,790	5,538	740	700
Fuel	87.8	93.2	5,086	5,222	650	660
Farm supplies and repairs	78.9	88.8	5,164	5,380	660	680
Farm improvements and construction	42.7	41.3	5,947	3,797	760	480
Tractors and self-propelled farm machinery	13.5	15.0	6,025	4,984	770	630
Other farm machinery	11.4	11.9	1,721	1,266	220	160
Seeds and plants	39.9	34.7	6,103	5,775	780	730
Trucks and autos	10.8	11.1	2,113	2,334	270	295
Miscellaneous capital expenses	3.8	4.6	196	237	25	30
Total farm production expenditures	100.0	100.0	115,532	118,829	14,765	15,020

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.6	21.8	16,798	16,061	9,570	9,110
Feed	47.5	42.5	26,330	23,801	15,000	13,500
Farm services	92.9	94.4	20,590	19,922	11,730	11,300
Rent	32.6	33.2	23,925	24,118	13,630	13,680
Agricultural chemicals	47.1	52.5	9,268	9,291	5,280	5,270
Fertilizer, lime, and soil conditioners	53.0	57.7	14,955	15,832	8,520	8,980
Interest	40.6	42.8	6,231	6,700	3,550	3,800
Taxes	100.0	100.0	6,775	7,581	3,860	4,300
Labor	20.6	20.6	9,549	9,944	5,440	5,640
Fuel	84.3	83.5	6,056	6,735	3,450	3,820
Farm supplies and repairs	82.3	81.9	9,444	9,838	5,380	5,580
Farm improvements and construction	53.9	48.6	9,163	6,435	5,220	3,650
Tractors and self-propelled farm machinery	14.1	13.0	7,021	6,347	4,000	3,600
Other farm machinery	19.5	19.6	3,985	3,544	2,270	2,010
Seeds and plants	51.1	52.0	16,395	16,343	9,340	9,270
Trucks and autos	13.2	11.5	2,387	1,834	1,360	1,040
Miscellaneous capital expenses	4.7	4.8	298	326	170	185
Total farm production expenditures	100.0	100.0	189,170	184,653	107,770	104,735

Farm Production Expenditures Total by Year – Midwest Region: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	10,600	10,850	9,230	9,570	9,110
Feed	17,560	16,950	16,700	15,000	13,500
Farm services	11,830	11,470	11,900	11,730	11,300
Rent	15,710	14,380	13,750	13,630	13,680
Agricultural chemicals	5,080	4,840	5,090	5,280	5,270
Fertilizer, lime, and soil conditioners	10,860	10,310	9,090	8,520	8,980
Interest	3,450	3,410	3,420	3,550	3,800
Taxes	4,760	4,270	3,790	3,860	4,300
Labor	5,590	5,320	5,890	5,440	5,640
Fuel	5,100	3,660	3,220	3,450	3,820
Farm supplies and repairs	5,780	5,540	5,560	5,380	5,580
Farm improvements and construction	6,560	5,390	4,740	5,220	3,650
Tractors and self-propelled farm machinery	5,790	3,540	3,550	4,000	3,600
Other farm machinery	3,800	2,250	2,080	2,270	2,010
Seeds and plants	9,830	9,550	9,470	9,340	9,270
Trucks and autos	1,530	1,150	1,170	1,360	1,040
Miscellaneous capital expenses	200	200	240	170	185
Total farm production expenditures	124,030	113,080	108,890	107,770	104,735

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	16.0	13.6	12,105	7,361	880	530
Feed	31.1	28.0	13,755	11,389	1,000	820
Farm services	89.1	90.0	20,633	21,111	1,500	1,520
Rent	41.6	35.1	49,381	45,556	3,590	3,280
Agricultural chemicals	58.8	62.6	15,543	16,806	1,130	1,210
Fertilizer, lime, and soil conditioners	61.6	66.5	23,659	25,694	1,720	1,850
Interest	39.2	38.5	6,327	7,361	460	530
Taxes	100.0	100.0	7,015	8,333	510	600
Labor	17.4	21.3	7,840	7,639	570	550
Fuel	78.7	78.6	7,015	7,778	510	560
Farm supplies and repairs	78.3	76.6	10,041	10,833	730	780
Farm improvements and construction	46.1	45.1	9,629	6,944	700	500
Tractors and self-propelled farm machinery	16.8	15.8	11,829	10,278	860	740
Other farm machinery	21.0	18.9	5,777	6,111	420	440
Seeds and plants	61.5	63.0	27,785	26,944	2,020	1,940
Trucks and autos	15.5	11.0	2,889	2,361	210	170
Miscellaneous capital expenses	4.9	4.4	344	417	25	30
Total farm production expenditures	100.0	100.0	231,568	222,917	16,835	16,050

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.5	19.7	10,424	9,804	590	550
Feed	53.1	43.4	20,318	20,143	1,150	1,130
Farm services	94.6	91.2	18,905	17,647	1,070	990
Rent	32.8	36.5	26,855	26,560	1,520	1,490
Agricultural chemicals	46.7	56.9	9,894	9,982	560	560
Fertilizer, lime, and soil conditioners	54.2	60.3	16,961	19,251	960	1,080
Interest	44.0	39.0	6,537	6,239	370	350
Taxes	100.0	100.0	7,686	9,091	435	510
Labor	21.7	21.8	8,834	9,269	500	520
Fuel	80.3	72.9	6,360	6,774	360	380
Farm supplies and repairs	84.4	75.0	9,187	9,269	520	520
Farm improvements and construction	52.8	51.7	8,657	8,913	490	500
Tractors and self-propelled farm machinery	14.4	12.2	7,774	6,061	440	340
Other farm machinery	18.0	20.7	3,710	3,119	210	175
Seeds and plants	49.9	56.4	17,491	16,756	990	940
Trucks and autos	10.8	8.8	1,943	1,426	110	80
Miscellaneous capital expenses	3.7	1.9	177	178	10	10
Total farm production expenditures	100.0	100.0	181,714	180,481	10,285	10,125

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.0	24.1	49,245	47,093	4,240	4,050
Feed	40.9	34.6	51,103	49,651	4,400	4,270
Farm services	97.0	98.5	30,314	29,070	2,610	2,500
Rent	42.5	41.6	43,206	42,907	3,720	3,690
Agricultural chemicals	59.2	58.0	13,240	12,674	1,140	1,090
Fertilizer, lime, and soil conditioners	60.2	58.0	21,022	20,814	1,810	1,790
Interest	48.3	47.2	9,640	10,349	830	890
Taxes	100.0	100.0	9,524	10,465	820	900
Labor	28.3	21.9	10,569	8,953	910	770
Fuel	81.0	81.0	7,549	9,070	650	780
Farm supplies and repairs	77.5	77.2	11,034	12,326	950	1,060
Farm improvements and construction	57.3	46.6	11,150	7,093	960	610
Tractors and self-propelled farm machinery	15.4	9.8	7,549	6,395	650	550
Other farm machinery	18.6	14.4	3,949	3,023	340	260
Seeds and plants	62.0	60.1	24,390	22,442	2,100	1,930
Trucks and autos	15.9	11.4	2,787	1,802	240	155
Miscellaneous capital expenses	5.4	3.9	290	291	25	25
Total farm production expenditures	100.0	100.0	306,562	294,419	26,395	25,320

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.5	24.7	18,895	20,000	1,300	1,370
Feed	39.7	45.4	32,703	29,635	2,250	2,030
Farm services	95.8	96.2	27,907	26,861	1,920	1,840
Rent	41.9	39.3	26,744	30,365	1,840	2,080
Agricultural chemicals	53.9	55.3	11,337	10,657	780	730
Fertilizer, lime, and soil conditioners	53.2	56.4	19,041	20,730	1,310	1,420
Interest	48.3	51.0	8,721	9,343	600	640
Taxes	100.0	100.0	9,012	10,511	620	720
Labor	23.3	20.3	10,610	9,781	730	670
Fuel	85.6	85.4	9,012	9,489	620	650
Farm supplies and repairs	80.7	85.8	12,791	12,263	880	840
Farm improvements and construction	52.9	49.8	9,448	6,861	650	470
Tractors and self-propelled farm machinery	13.9	12.4	7,558	5,839	520	400
Other farm machinery	21.7	21.8	5,087	5,620	350	385
Seeds and plants	55.3	56.8	21,802	23,212	1,500	1,590
Trucks and autos	14.3	10.8	2,035	1,314	140	90
Miscellaneous capital expenses	5.0	6.5	291	438	20	30
Total farm production expenditures	100.0	100.0	232,994	232,920	16,030	15,955

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.0	27.1	9,759	10,842	930	1,030
Feed	66.9	57.2	18,573	14,842	1,770	1,410
Farm services	89.3	96.1	10,913	11,368	1,040	1,080
Rent	22.9	26.0	10,388	12,421	990	1,180
Agricultural chemicals	37.0	43.0	6,086	6,105	580	580
Fertilizer, lime, and soil conditioners	50.6	55.4	8,919	9,579	850	910
Interest	34.5	38.7	3,358	3,895	320	370
Taxes	100.0	100.0	2,781	3,263	265	310
Labor	18.7	18.6	4,092	3,684	390	350
Fuel	85.8	85.9	3,987	4,158	380	395
Farm supplies and repairs	81.1	81.5	5,561	6,105	530	580
Farm improvements and construction	52.1	44.0	4,827	4,737	460	450
Tractors and self-propelled farm machinery	12.2	13.0	4,827	5,368	460	510
Other farm machinery	15.5	13.3	2,204	1,947	210	185
Seeds and plants	32.0	35.0	7,555	7,474	720	710
Trucks and autos	14.9	10.9	2,413	2,211	230	210
Miscellaneous capital expenses	5.6	6.3	472	579	45	55
Total farm production expenditures	100.0	100.0	106,716	108,579	10,170	10,315

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	30.9	32.2	9,722	9,414	630	610
Feed	55.9	57.2	29,784	27,623	1,930	1,790
Farm services	95.7	91.6	24,537	21,605	1,590	1,400
Rent	33.9	31.7	8,951	8,642	580	560
Agricultural chemicals	49.8	47.5	5,556	4,938	360	320
Fertilizer, lime, and soil conditioners	53.7	53.7	11,111	10,185	720	660
Interest	44.3	40.2	6,944	7,099	450	460
Taxes	100.0	100.0	5,864	6,173	380	400
Labor	23.7	23.4	16,204	17,130	1,050	1,110
Fuel	85.0	80.1	5,710	6,096	370	395
Farm supplies and repairs	86.0	79.8	12,191	10,802	790	700
Farm improvements and construction	58.1	52.1	14,660	6,173	950	400
Tractors and self-propelled farm machinery	18.3	12.2	6,790	4,321	440	280
Other farm machinery	23.5	25.7	4,784	2,623	310	170
Seeds and plants	55.4	56.2	10,802	11,111	700	720
Trucks and autos	14.7	8.9	2,315	772	150	50
Miscellaneous capital expenses	6.3	7.3	386	386	25	25
Total farm production expenditures	100.0	100.0	176,312	155,093	11,425	10,050

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.2	14.6	7,974	7,772	1,000	970
Feed	44.0	35.6	19,936	16,426	2,500	2,050
Farm services	91.3	94.6	15,949	15,785	2,000	1,970
Rent	22.2	27.7	11,085	11,218	1,390	1,400
Agricultural chemicals	34.9	49.4	5,821	6,250	730	780
Fertilizer, lime, and soil conditioners	44.1	55.9	9,171	10,176	1,150	1,270
Interest	33.2	43.7	4,147	4,487	520	560
Taxes	100.0	100.0	6,619	6,891	830	860
Labor	15.2	18.9	10,287	13,381	1,290	1,670
Fuel	89.2	91.4	4,466	5,288	560	660
Farm supplies and repairs	86.7	90.7	7,815	8,814	980	1,100
Farm improvements and construction	56.5	51.6	8,054	5,769	1,010	720
Tractors and self-propelled farm machinery	10.8	14.5	5,024	6,250	630	780
Other farm machinery	19.8	23.5	3,429	3,165	430	395
Seeds and plants	48.2	46.0	10,447	11,538	1,310	1,440
Trucks and autos	8.5	15.3	2,233	2,284	280	285
Miscellaneous capital expenses	3.0	3.6	159	80	20	10
Total farm production expenditures	100.0	100.0	132,616	135,577	16,630	16,920

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.4	23.6	43,211	49,299	21,100	23,900
Feed	64.3	65.0	24,780	24,752	12,100	12,000
Farm services	89.1	91.7	18,943	19,183	9,250	9,300
Rent	29.1	31.0	16,138	15,408	7,880	7,470
Agricultural chemicals	37.7	45.0	7,659	7,508	3,740	3,640
Fertilizer, lime, and soil conditioners	39.8	46.6	10,772	11,696	5,260	5,670
Interest	29.6	29.7	4,731	4,992	2,310	2,420
Taxes	100.0	99.8	8,417	7,550	4,110	3,660
Labor	25.7	25.5	8,437	8,560	4,120	4,150
Fuel	80.9	82.2	6,041	6,291	2,950	3,050
Farm supplies and repairs	77.5	76.8	8,028	7,673	3,920	3,720
Farm improvements and construction	46.3	36.8	7,250	4,847	3,540	2,350
Tractors and self-propelled farm machinery	12.6	12.5	7,250	5,858	3,540	2,840
Other farm machinery	11.9	11.1	2,826	2,599	1,380	1,260
Seeds and plants	31.7	31.1	10,117	9,983	4,940	4,840
Trucks and autos	14.9	11.5	3,195	2,620	1,560	1,270
Miscellaneous capital expenses	5.9	5.3	410	423	200	205
Total farm production expenditures	100.0	100.0	188,204	189,243	91,900	91,745

Farm Production Expenditures Total by Year – Plains Region: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21,680	23,260	20,850	21,100	23,900
Feed	12,950	12,150	11,400	12,100	12,000
Farm services	9,230	9,130	9,250	9,250	9,300
Rent	8,260	8,080	8,210	7,880	7,470
Agricultural chemicals	3,540	3,650	3,670	3,740	3,640
Fertilizer, lime, and soil conditioners	6,940	6,000	5,730	5,260	5,670
Interest	2,290	2,260	2,270	2,310	2,420
Taxes	3,530	3,650	3,480	4,110	3,660
Labor	4,470	4,070	4,000	4,120	4,150
Fuel	4,100	2,950	2,770	2,950	3,050
Farm supplies and repairs	4,260	4,110	3,770	3,920	3,720
Farm improvements and construction	3,630	3,150	2,910	3,540	2,350
Tractors and self-propelled farm machinery	5,180	3,040	3,050	3,540	2,840
Other farm machinery	2,500	1,600	1,160	1,380	1,260
Seeds and plants	5,000	4,790	5,010	4,940	4,840
Trucks and autos	1,940	1,490	1,260	1,560	1,270
Miscellaneous capital expenses	120	150	220	200	205
Total farm production expenditures	99,620	93,530	89,010	91,900	91,745

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.6	19.0	112,457	108,319	6,590	6,380
Feed	45.9	43.0	44,369	39,049	2,600	2,300
Farm services	88.2	89.9	22,867	23,090	1,340	1,360
Rent	42.8	43.8	23,208	22,411	1,360	1,320
Agricultural chemicals	54.7	53.5	12,628	13,073	740	770
Fertilizer, lime, and soil conditioners	56.5	55.9	16,212	16,469	950	970
Interest	39.4	36.6	6,485	6,621	380	390
Taxes	100.0	100.0	10,580	8,149	620	480
Labor	20.2	21.7	10,410	9,508	610	560
Fuel	75.4	74.6	8,703	8,319	510	490
Farm supplies and repairs	73.4	75.9	11,604	10,187	680	600
Farm improvements and construction	46.1	31.0	8,020	3,226	470	190
Tractors and self-propelled farm machinery	13.0	11.7	9,044	6,452	530	380
Other farm machinery	17.8	13.5	4,437	3,650	260	215
Seeds and plants	48.1	45.5	13,481	12,733	790	750
Trucks and autos	14.3	9.1	3,242	1,528	190	90
Miscellaneous capital expenses	3.7	3.0	256	255	15	15
Total farm production expenditures	100.0	100.0	318,003	293,039	18,635	17,260

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.4	27.5	136,717	176,253	6,330	8,090
Feed	43.3	46.9	64,795	67,538	3,000	3,100
Farm services	94.5	94.4	42,981	43,791	1,990	2,010
Rent	51.1	51.7	51,836	53,159	2,400	2,440
Agricultural chemicals	61.2	60.4	17,927	18,954	830	870
Fertilizer, lime, and soil conditioners	60.3	61.5	27,430	29,630	1,270	1,360
Interest	54.2	54.2	12,527	11,983	580	550
Taxes	100.0	99.6	28,078	26,144	1,300	1,200
Labor	30.6	31.5	16,631	16,993	770	780
Fuel	84.2	83.3	12,311	13,290	570	610
Farm supplies and repairs	83.6	85.2	17,927	17,865	830	820
Farm improvements and construction	48.9	46.3	12,311	8,497	570	390
Tractors and self-propelled farm machinery	15.0	13.3	11,015	8,497	510	390
Other farm machinery	19.5	20.2	5,616	4,902	260	225
Seeds and plants	59.5	61.8	25,702	26,580	1,190	1,220
Trucks and autos	18.1	14.9	3,672	3,486	170	160
Miscellaneous capital expenses	8.6	7.3	540	545	25	25
Total farm production expenditures	100.0	100.0	488,013	528,105	22,595	24,240

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.0	18.3	18,511	23,927	4,600	5,910
Feed	71.8	72.5	17,706	19,231	4,400	4,750
Farm services	86.0	90.3	12,153	12,551	3,020	3,100
Rent	18.7	18.2	4,507	3,239	1,120	800
Agricultural chemicals	25.5	35.7	2,817	2,470	700	610
Fertilizer, lime, and soil conditioners	31.6	39.9	4,024	4,291	1,000	1,060
Interest	15.7	15.4	1,610	2,146	400	530
Taxes	100.0	99.9	4,225	4,130	1,050	1,020
Labor	25.7	23.5	7,646	8,300	1,900	2,050
Fuel	79.2	81.4	3,581	3,563	890	880
Farm supplies and repairs	73.1	73.7	4,064	3,684	1,010	910
Farm improvements and construction	40.5	32.5	5,030	3,968	1,250	980
Tractors and self-propelled farm machinery	11.7	9.8	5,272	3,441	1,310	850
Other farm machinery	7.5	6.5	1,247	1,012	310	250
Seeds and plants	20.0	17.1	3,622	3,441	900	850
Trucks and autos	11.1	7.8	2,374	1,822	590	450
Miscellaneous capital expenses	4.4	4.4	402	324	100	80
Total farm production expenditures	100.0	100.0	98,793	101,538	24,550	25,080

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	36.6	34.2	26,538	26,466	3,580	3,520
Feed	65.7	67.2	15,567	13,910	2,100	1,850
Farm services	93.2	94.3	21,497	21,278	2,900	2,830
Rent	34.8	41.7	22,239	21,880	3,000	2,910
Agricultural chemicals	44.6	53.2	10,897	10,451	1,470	1,390
Fertilizer, lime, and soil conditioners	40.6	49.8	15,122	17,143	2,040	2,280
Interest	42.6	44.8	7,042	7,143	950	950
Taxes	100.0	99.6	8,451	7,218	1,140	960
Labor	26.4	28.8	6,227	5,714	840	760
Fuel	85.1	86.8	7,265	8,045	980	1,070
Farm supplies and repairs	85.2	80.0	10,378	10,451	1,400	1,390
Farm improvements and construction	56.1	44.2	9,266	5,940	1,250	790
Tractors and self-propelled farm machinery	13.3	17.5	8,821	9,173	1,190	1,220
Other farm machinery	14.7	15.5	4,077	4,286	550	570
Seeds and plants	36.5	40.2	15,271	15,188	2,060	2,020
Trucks and autos	21.1	18.5	4,522	4,286	610	570
Miscellaneous capital expenses	8.7	7.5	445	639	60	85
Total farm production expenditures	100.0	100.0	193,625	189,211	26,120	25,165

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	26.5	33.7	11,740	14,539	3,670	4,510
Feed	54.0	50.1	30,710	31,915	9,600	9,900
Farm services	90.8	95.3	40,659	43,198	12,710	13,400
Rent	23.3	26.9	15,163	13,572	4,740	4,210
Agricultural chemicals	38.2	39.3	11,388	10,896	3,560	3,380
Fertilizer, lime, and soil conditioners	36.9	36.9	13,052	12,959	4,080	4,020
Interest	26.8	28.0	6,302	5,867	1,970	1,820
Taxes	97.6	98.0	7,006	7,157	2,190	2,220
Labor	30.1	29.1	59,341	54,578	18,550	16,930
Fuel	76.6	82.4	7,806	7,608	2,440	2,360
Farm supplies and repairs	76.6	81.9	14,235	11,734	4,450	3,640
Farm improvements and construction	45.3	50.5	10,397	10,445	3,250	3,240
Tractors and self-propelled farm machinery	12.3	11.6	6,238	4,965	1,950	1,540
Other farm machinery	12.6	11.7	2,559	1,838	800	570
Seeds and plants	27.9	32.4	11,804	10,961	3,690	3,400
Trucks and autos	15.8	15.6	3,295	2,772	1,030	860
Miscellaneous capital expenses	5.1	6.1	320	484	100	150
Total farm production expenditures	100.0	100.0	252,015	245,487	78,780	76,150

Farm Production Expenditures Total by Year – West Region: 2014-2018

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

Expenditure	2014	2015	2016	2017	2018
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,470	3,960	2,950	3,670	4,510
Feed	12,570	10,600	9,450	9,600	9,900
Farm services	14,520	12,000	11,250	12,710	13,400
Rent	4,740	4,740	4,300	4,740	4,210
Agricultural chemicals	3,650	3,080	3,320	3,560	3,380
Fertilizer, lime, and soil conditioners	4,980	4,480	4,250	4,080	4,020
Interest	2,080	1,960	1,770	1,970	1,820
Taxes	2,440	2,280	2,150	2,190	2,220
Labor	16,170	14,700	16,250	18,550	16,930
Fuel	3,340	2,480	2,440	2,440	2,360
Farm supplies and repairs	5,020	4,320	4,090	4,450	3,640
Farm improvements and construction	4,020	3,810	3,150	3,250	3,240
Tractors and self-propelled farm machinery	2,010	1,820	1,360	1,950	1,540
Other farm machinery	1,000	860	710	800	570
Seeds and plants	2,920	2,750	3,040	3,690	3,400
Trucks and autos	1,140	880	710	1,030	860
Miscellaneous capital expenses	190	200	180	100	150
Total farm production expenditures	85,260	74,920	71,370	78,780	76,150

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.1	25.6	9,645	14,265	680	990
Feed	31.8	39.9	48,227	64,841	3,400	4,500
Farm services	96.9	96.8	92,624	105,620	6,530	7,330
Rent	18.4	18.7	31,631	28,098	2,230	1,950
Agricultural chemicals	52.4	51.1	27,092	28,818	1,910	2,000
Fertilizer, lime, and soil conditioners	50.4	53.7	28,085	29,251	1,980	2,030
Interest	29.7	24.6	11,915	10,231	840	710
Taxes	100.0	99.9	15,745	16,715	1,110	1,160
Labor	47.6	49.4	165,957	146,542	11,700	10,170
Fuel	73.5	84.4	14,468	13,977	1,020	970
Farm supplies and repairs	76.6	85.4	26,950	22,046	1,900	1,530
Farm improvements and construction	44.0	46.3	19,007	18,156	1,340	1,260
Tractors and self-propelled farm machinery	11.7	10.8	7,660	4,899	540	340
Other farm machinery	10.2	11.3	2,624	1,873	185	130
Seeds and plants	34.9	35.2	30,355	21,470	2,140	1,490
Trucks and autos	12.7	10.3	3,972	2,738	280	190
Miscellaneous capital expenses	3.0	3.4	142	288	10	20
Total farm production expenditures	100.0	100.0	536,099	529,827	37,795	36,770

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2017 and 2018

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

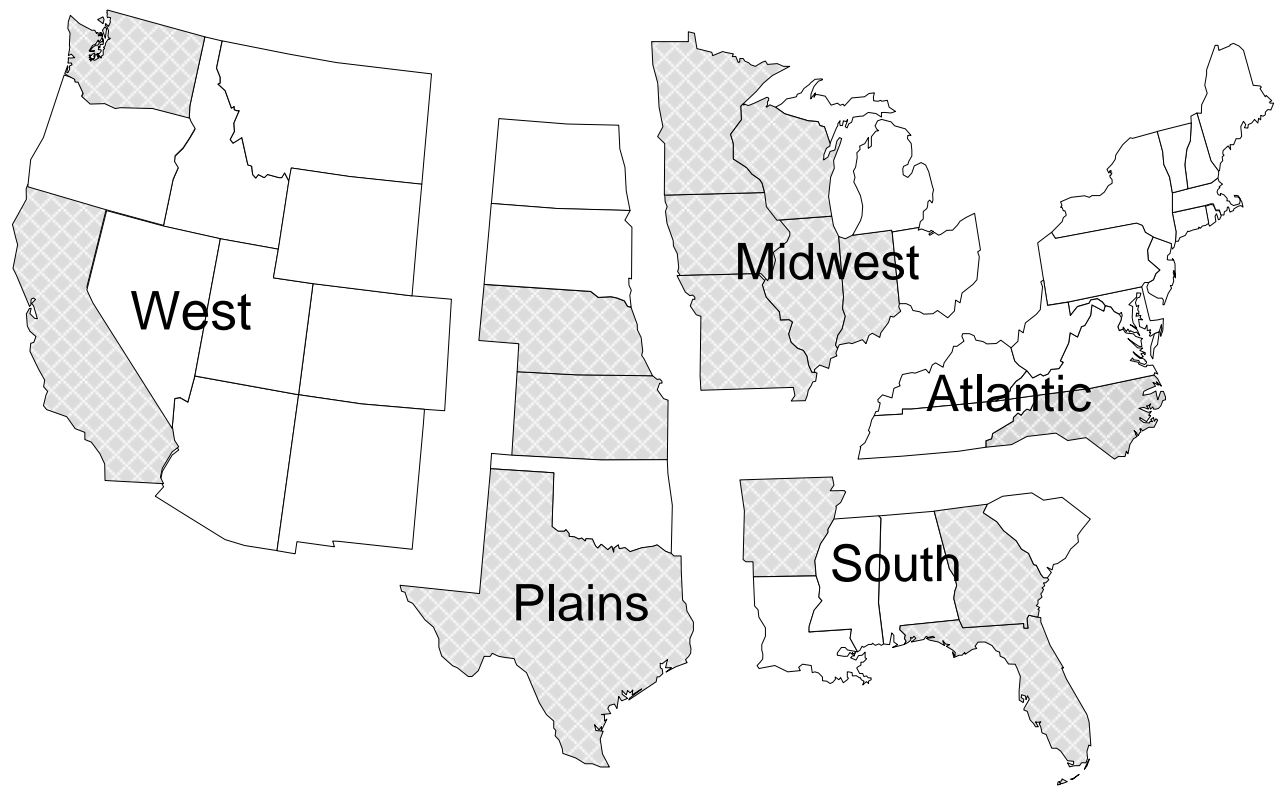
Expenditure	Farms reporting		Average per farm		Total expenditures	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	21.2	35.3	17,598	6,443	630	230
Feed	54.9	51.4	30,726	24,370	1,100	870
Farm services	81.8	86.8	36,872	46,218	1,320	1,650
Rent	17.8	17.7	15,084	12,885	540	460
Agricultural chemicals	34.1	44.3	15,642	13,445	560	480
Fertilizer, lime, and soil conditioners	34.9	41.5	11,453	10,644	410	380
Interest	30.1	27.1	4,469	4,202	160	150
Taxes	100.0	100.0	5,866	7,003	210	250
Labor	26.3	27.4	58,659	58,543	2,100	2,090
Fuel	74.6	79.6	5,587	5,882	200	210
Farm supplies and repairs	79.2	77.2	12,011	11,485	430	410
Farm improvements and construction	49.9	46.2	8,101	11,204	290	400
Tractors and self-propelled farm machinery	12.0	10.7	6,425	4,202	230	150
Other farm machinery	13.0	9.7	2,933	2,101	105	75
Seeds and plants	25.1	35.6	7,542	8,683	270	310
Trucks and autos	11.2	10.4	2,793	1,681	100	60
Miscellaneous capital expenses	2.5	3.1	279	420	10	15
Total farm production expenditures	100.0	100.0	242,039	229,412	8,665	8,190

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.2	36.2	11,440	16,041	2,360	3,290
Feed	61.5	53.4	24,721	22,087	5,100	4,530
Farm services	90.3	96.2	23,558	21,550	4,860	4,420
Rent	26.0	31.3	9,549	8,776	1,970	1,800
Agricultural chemicals	34.0	34.5	5,284	4,388	1,090	900
Fertilizer, lime, and soil conditioners	32.6	30.4	8,192	7,850	1,690	1,610
Interest	25.3	29.3	4,702	4,681	970	960
Taxes	96.4	97.0	4,217	3,949	870	810
Labor	24.8	22.6	23,025	22,769	4,750	4,670
Fuel	77.9	82.2	5,914	5,753	1,220	1,180
Farm supplies and repairs	76.2	81.5	10,276	8,289	2,120	1,700
Farm improvements and construction	45.0	52.7	7,853	7,704	1,620	1,580
Tractors and self-propelled farm machinery	12.6	12.1	5,720	5,119	1,180	1,050
Other farm machinery	13.3	12.2	2,472	1,780	510	365
Seeds and plants	26.0	30.9	6,205	7,801	1,280	1,600
Trucks and autos	17.7	18.3	3,151	2,974	650	610
Miscellaneous capital expenses	6.3	7.5	388	561	80	115
Total farm production expenditures	100.0	100.0	156,665	152,072	32,320	31,190

Farm Production Expenditure Regions



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

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

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

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

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

¹ Estimate State (shaded on map)

Program History

The National Agricultural Statistics Service (NASS) has conducted periodic surveys of farm production expenditures since 1956, and annually since 1971. In 1973, Congress required USDA to provide Cost of Production estimates on an annual basis for wheat, feed grains, cotton, and dairy. Since then, other commodities were added to the Cost of Production program. 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 preliminary 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. Similarly, the 2013 summary includes changes to the 2012 data and estimates, due to the farm numbers released in the 2012 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 2018 Agricultural Resource Management Survey

Publication: *Farm Production Expenditures 2018 Summary* was released on August 2, 2019.

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 creates an additional stratum (stratum 60) consisting of Farm Value of Sales (FVS) greater than \$5,000,000 in States that meet the threshold for the number of large operations in higher economic classes.

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 2018 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 2018 sample was 35,244 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 2018, there were two COP commodities: Cattle and Calves and Soybeans. The States involved for this year were:

Cattle and Calves: Alabama, Arkansas, California, Colorado, Florida, Georgia, Idaho, Iowa, Kansas, Kentucky, Mississippi, Missouri, Montana, Nebraska, New Mexico North Dakota, Oklahoma, Oregon, South Dakota, Tennessee, Texas, Virginia, Wyoming

Soybeans: Arkansas, Illinois, Indiana, Iowa, Kansas, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, Ohio, South Dakota, Tennessee, Virginia, Wisconsin

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 (31 in 2014). 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 Analysis Comments Estimation Review (ACER) was done in 2004. Since 2005, Executive Summaries have been sent to all states electronically. ACER improvements over several years have made it possible to set and revise the 1360 estimates now contained in this publication. The ACER tools provide more administrative data, charting, and sample coverage data to the NASS analysis stats as they complete their review of the summary.

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 [http://www.nass.usda.gov/Publications/Methodology and Data Quality/index.asp](http://www.nass.usda.gov/Publications/Methodology_and_Data_Quality/index.asp).

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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Kuan Chen – Prices, Prices Indexes, Parity Prices	(202) 690-3347
Ryan Cowen – Cash Rents, Farms, Land in Farms, Grazing Fees	(202) 720-2250
Doug Farmer – Chemical Use	(202) 690-3229
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Access to NASS Reports

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

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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@nass.usda.gov.

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