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Farm Production Expenditures 2017 Summary

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2017 United States Total Farm Production Expenditure Highlights

Farm production expenditures in the United States are estimated at \$359.8 billion for 2017, up from \$346.9 billion in 2016. The 2017 total farm production expenditures are up 3.7 percent compared with 2016 total farm production expenditures. For the 17 line items, 13 showed an increase from previous year, while the rest showed a decrease.

The four largest expenditures at the United States level total \$176.2 billion and account for 49.0 percent of total expenditures in 2017. These include feed, 15.3 percent, farm services, 12.2 percent, livestock, poultry, and related expenses, 11.7 percent, and labor, 9.8 percent.

In 2017, the United States total farm expenditure average per farm is \$176,352, up 4.3 percent from \$169,035 in 2016. On average, United States farm operations spent \$27,056 on feed, \$20,635 on livestock, poultry, and related expenses, \$21,468 on farm services, and \$17,204 on labor. For 2016, United States farms spent an average of \$27,092 on feed, \$20,319 on farm services, \$19,491 on livestock, poultry, and related expenses, and \$16,616 on labor.

Total fuel expense is \$12.0 billion. Diesel, the largest sub component, is \$7.6 billion, accounting for 63.3 percent. Diesel expenditures are up 2.7 percent from the previous year. Gasoline is \$2.2 billion, up 4.8 percent. LP gas is \$1.4 billion, up 22.4 percent. Other fuel is \$780 million, up 21.9 percent.

The United States economic sales class contributing most to the 2017 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$114.9 billion, 31.9 percent of the United States total, up 1.7 percent from the 2016 level of \$113.0 billion. The next highest is the \$5,000,000 and over class with \$84.2 billion, up from \$80.6 billion in 2016.

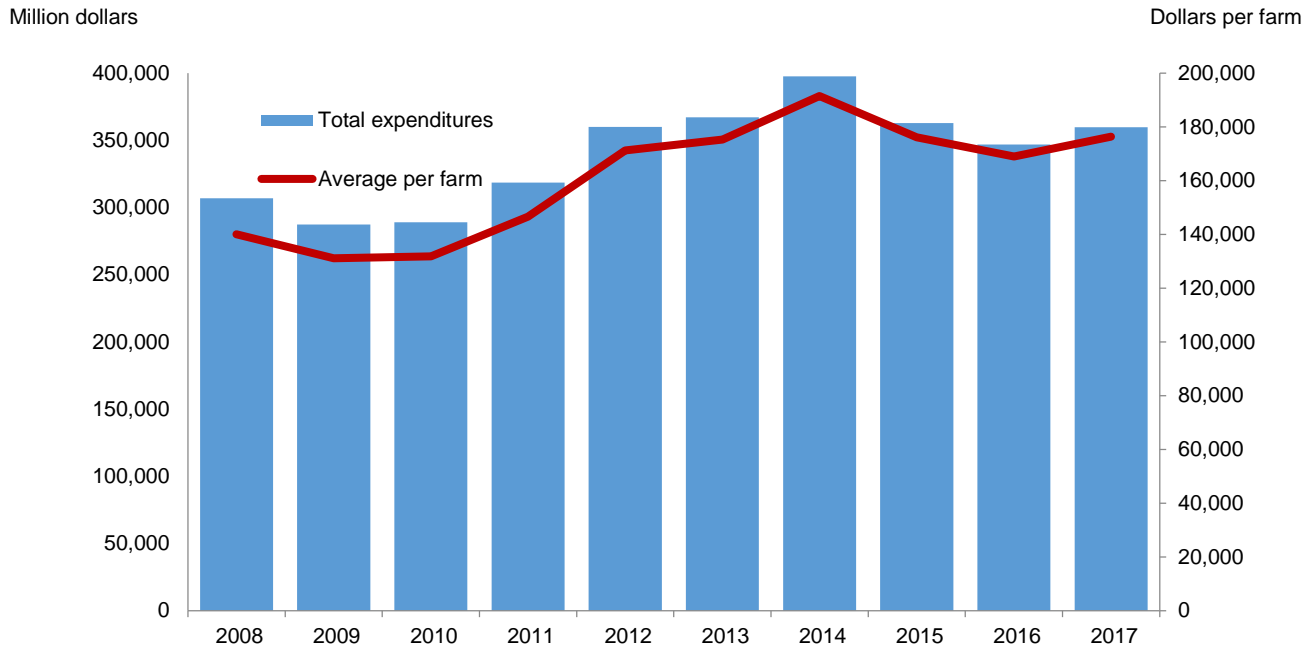
In 2017, crop farms expenditures increased to \$183.9 billion, up 3.9 percent, while livestock farms expenditures also increased to \$175.9 billion, up 3.5 percent. The largest expenditures for crop farms are labor at \$25.4 billion (13.8 percent), rent at \$24.9 billion (13.5 percent of total), and farm services at \$24.4 billion (13.3 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$51.8 billion, accounting for 28.2 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$53.4 billion (30.4 percent of total), livestock, poultry and related expenses at \$40.1 billion (22.8 percent), and farm services at \$19.4 billion (11.0 percent). Together, these line items account for 64.2 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$210,081 compared to \$151,005 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$109.1 billion (30.3 percent), up from \$108.9 billion in 2016. Other regions, ranked by total expenditures, are the Plains at \$93.7 billion (26.0 percent), West at \$77.7 billion (21.6 percent), Atlantic at \$43.1 billion (12.0 percent), and South at \$36.2 billion (10.1 percent). The West increased \$6.34 billion from 2016, which is the largest regional increase.

Combined total expenditures for the 15 estimate states is \$238.3 billion in 2017 (66.22 percent of the United States total expenditures) and \$228.0 billion in 2016 (65.7 percent). California contributed most to the 2017 United States total expenditures, with expenses of \$37.4 billion, (10.4 percent). California expenditures are up 9.3 percent from the 2016 estimate of \$34.2 billion. Iowa, the next leading state, has \$26.4 billion in expenses, (7.3 percent). Other states with more than \$20 billion in total expenditures are Texas with \$25.9 billion and Nebraska with \$22.6 billion.

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

Farm Production Expenditures, Total and Average Per Farm by Year - United States: 2008-2017



Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2016 and 2017

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

Expenditure	2016		2017	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry, and related expenses	40,000	11.5	42,100	11.7
Feed	55,600	16.0	55,200	15.3
Farm services	41,700	12.0	43,800	12.2
Rent	29,800	8.6	29,700	8.3
Agricultural chemicals	15,200	4.4	15,500	4.3
Fertilizer, lime, and soil conditioners	23,500	6.8	22,000	6.1
Interest	9,100	2.6	9,900	2.8
Taxes	11,900	3.4	13,000	3.6
Labor	34,100	9.8	35,100	9.8
Fuel	11,300	3.3	12,000	3.3
Farm supplies and repairs	17,600	5.1	18,300	5.1
Farm improvements and construction	14,500	4.2	16,400	4.6
Tractors and self-propelled farm machinery	10,600	3.1	12,600	3.5
Other farm machinery	5,000	1.4	5,900	1.6
Seeds and plants	21,800	6.3	22,200	6.2
Trucks and autos	4,400	1.3	5,500	1.5
Miscellaneous capital expenses	800	0.2	600	0.2
Total farm production expenditures	346,900	100.0	359,800	100.0

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.7	27.7	19,491	20,635	40,000	42,100
Feed	57.3	56.7	27,092	27,056	55,600	55,200
Farm services	91.1	91.5	20,319	21,468	41,700	43,800
Rent	30.0	27.2	14,521	14,557	29,800	29,700
Agricultural chemicals	45.4	40.8	7,407	7,597	15,200	15,500
Fertilizer, lime, and soil conditioners	50.4	47.8	11,451	10,783	23,500	22,000
Interest	32.0	32.8	4,434	4,852	9,100	9,900
Taxes	99.5	99.6	5,799	6,372	11,900	13,000
Labor	25.8	24.0	16,616	17,204	34,100	35,100
Fuel	83.6	84.4	5,506	5,882	11,300	12,000
Farm supplies and repairs	80.4	81.2	8,576	8,970	17,600	18,300
Farm improvements and construction	48.8	49.6	7,065	8,038	14,500	16,400
Tractors and self-propelled farm machinery	13.0	13.3	5,165	6,176	10,600	12,600
Other farm machinery	15.1	15.2	2,436	2,892	5,000	5,900
Seeds and plants	36.3	38.5	10,623	10,881	21,800	22,200
Trucks and autos	11.6	13.9	2,144	2,696	4,400	5,500
Miscellaneous capital expenses	5.2	4.8	390	294	800	600
Total farm production expenditures	100.0	100.0	169,035	176,352	346,900	359,800

Farm Production Expenditures by Year – United States: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	34,200	45,100	45,400	40,000	42,100
Feed	62,400	63,700	58,500	55,600	55,200
Farm services	39,000	45,300	41,600	41,700	43,800
Rent	31,400	32,600	31,000	29,800	29,700
Agricultural chemicals	14,600	15,800	14,600	15,200	15,500
Fertilizer, lime, and soil conditioners	28,300	28,000	25,500	23,500	22,000
Interest	8,700	9,700	9,500	9,100	9,900
Taxes	11,700	13,600	12,800	11,900	13,000
Labor	32,000	34,200	31,800	34,100	35,100
Fuel	16,400	16,700	12,300	11,300	12,000
Farm supplies and repairs	18,700	19,900	18,700	17,600	18,300
Farm improvements and construction	16,600	18,200	16,100	14,500	16,400
Tractors and self-propelled farm machinery	17,100	16,900	11,900	10,600	12,600
Other farm machinery	8,800	9,000	6,100	5,000	5,900
Seeds and plants	21,900	22,100	21,300	21,800	22,200
Trucks and autos	4,990	6,200	5,000	4,400	5,500
Miscellaneous capital expenses	480	600	700	800	600
Total farm production expenditures	367,270	397,600	362,800	346,900	359,800

Farm Production Expenditures by Percent of Total – United States: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry, and related expenses	9.3	11.3	12.5	11.5	11.7
Feed	17.0	16.0	16.1	16.0	15.3
Farm services	10.6	11.4	11.5	12.0	12.2
Rent	8.5	8.2	8.5	8.6	8.3
Agricultural chemicals	4.0	4.0	4.0	4.4	4.3
Fertilizer, lime, and soil conditioners	7.7	7.0	7.0	6.8	6.1
Interest	2.4	2.4	2.6	2.6	2.8
Taxes	3.2	3.4	3.5	3.4	3.6
Labor	8.7	8.6	8.8	9.8	9.8
Fuel	4.5	4.2	3.4	3.3	3.3
Farm supplies and repairs	5.1	5.0	5.2	5.1	5.1
Farm improvements and construction	4.5	4.6	4.4	4.2	4.6
Tractors and self-propelled farm machinery	4.7	4.3	3.3	3.1	3.5
Other farm machinery	2.4	2.3	1.7	1.4	1.6
Seeds and plants	6.0	5.6	5.9	6.3	6.2
Trucks and autos	1.4	1.6	1.4	1.3	1.5
Miscellaneous capital expenses	0.1	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: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	9.2	11.3	2,018	2,285	1,900	2,000
Feed	21.8	19.5	1,593	2,056	1,500	1,800
Farm services	87.6	89.9	24,316	27,874	22,900	24,400
Rent	32.4	33.2	26,334	28,445	24,800	24,900
Agricultural chemicals	54.4	56.0	14,494	15,765	13,650	13,800
Fertilizer, lime, and soil conditioners	59.3	60.6	21,025	21,134	19,800	18,500
Interest	32.7	36.0	5,033	6,283	4,740	5,500
Taxes	99.6	99.9	7,858	9,139	7,400	8,000
Labor	27.4	27.5	26,122	29,016	24,600	25,400
Fuel	78.8	82.8	7,539	8,511	7,100	7,450
Farm supplies and repairs	75.5	78.9	11,149	12,452	10,500	10,900
Farm improvements and construction	44.8	45.9	7,114	8,111	6,700	7,100
Tractors and self-propelled farm machinery	12.9	14.1	6,902	9,139	6,500	8,000
Other farm machinery	15.5	17.3	3,398	4,227	3,200	3,700
Seeds and plants	50.7	56.5	20,494	22,276	19,300	19,500
Trucks and autos	11.6	13.7	2,177	3,096	2,050	2,710
Miscellaneous capital expenses	4.7	4.4	382	274	360	240
Total farm production expenditures	100.0	100.0	187,948	210,081	177,000	183,900

Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	39.6	40.0	34,309	34,425	38,100	40,100
Feed	87.4	84.7	48,717	45,842	54,100	53,400
Farm services	94.1	92.6	16,929	16,654	18,800	19,400
Rent	28.0	22.7	4,503	4,121	5,000	4,800
Agricultural chemicals	37.7	29.4	1,396	1,459	1,550	1,700
Fertilizer, lime, and soil conditioners	42.9	38.2	3,332	3,005	3,700	3,500
Interest	31.4	30.4	3,926	3,777	4,360	4,400
Taxes	99.3	99.3	4,052	4,292	4,500	5,000
Labor	24.4	21.3	8,555	8,327	9,500	9,700
Fuel	87.6	85.5	3,782	3,906	4,200	4,550
Farm supplies and repairs	84.6	82.9	6,394	6,353	7,100	7,400
Farm improvements and construction	52.3	52.4	7,024	7,984	7,800	9,300
Tractors and self-propelled farm machinery	13.1	12.7	3,692	3,949	4,100	4,600
Other farm machinery	14.8	13.6	1,621	1,889	1,800	2,200
Seeds and plants	24.2	24.9	2,251	2,318	2,500	2,700
Trucks and autos	11.6	14.1	2,116	2,395	2,350	2,790
Miscellaneous capital expenses	5.7	5.0	396	309	440	360
Total farm production expenditures	100.0	100.0	152,995	151,005	169,900	175,900

Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000	4.1	4.5	13,746	16,005	14,120	16,290
\$10,000 - \$49,999	4.6	4.7	35,726	37,579	16,120	16,780
\$50,000 - \$99,999	4.1	4.3	85,587	92,077	14,270	15,550
\$100,000 - \$249,999	6.8	6.9	162,482	171,020	23,490	24,750
\$250,000 - \$499,999	9.6	9.6	339,800	353,007	33,280	34,450
\$500,000 - \$999,999	15.0	14.7	635,288	643,614	52,100	52,860
\$1,000,000 - \$4,999,999	32.6	31.9	1,528,687	1,557,106	112,970	114,930
\$5,000,000 and over	23.2	23.4	9,258,621	9,567,045	80,550	84,190
Total farm production expenditures	100.0	100.0	169,035	176,352	346,900	359,800

Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	17.9	21.2	516	472	530	480
Feed	57.5	57.9	1,285	1,572	1,320	1,600
Farm services	85.0	85.1	2,015	2,132	2,070	2,170
Rent	11.3	7.4	243	177	250	180
Agricultural chemicals	23.5	18.8	97	108	100	110
Fertilizer, lime, and soil conditioners	29.7	27.0	350	334	360	340
Interest	16.8	18.7	711	855	730	870
Taxes	99.2	99.3	1,898	2,211	1,950	2,250
Labor	12.4	10.8	389	481	400	490
Fuel	73.6	74.8	652	648	670	660
Farm supplies and repairs	69.2	70.5	974	1,199	1,000	1,220
Farm improvements and construction	36.6	38.7	1,947	2,555	2,000	2,600
Tractors and self-propelled farm machinery	9.0	8.4	1,178	1,405	1,210	1,430
Other farm machinery	8.4	7.7	273	442	280	450
Seeds and plants	15.5	16.9	146	187	150	190
Trucks and autos	7.5	8.7	837	1,081	860	1,100
Miscellaneous capital expenses	3.9	2.9	234	147	240	150
Total farm production expenditures	100.0	100.0	13,746	16,005	14,120	16,290

Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.5	28.7	1,839	1,792	830	800
Feed	62.1	59.0	3,103	2,956	1,400	1,320
Farm services	94.2	95.3	5,363	5,330	2,420	2,380
Rent	26.5	24.3	1,285	1,411	580	630
Agricultural chemicals	48.2	42.0	731	694	330	310
Fertilizer, lime, and soil conditioners	58.2	51.7	1,906	1,769	860	790
Interest	29.1	27.5	1,529	1,568	690	700
Taxes	99.5	99.6	3,302	3,471	1,490	1,550
Labor	24.7	21.4	1,773	1,680	800	750
Fuel	88.6	89.2	1,817	1,881	820	840
Farm supplies and repairs	85.4	85.8	2,837	2,956	1,280	1,320
Farm improvements and construction	51.3	52.6	3,546	3,807	1,600	1,700
Tractors and self-propelled farm machinery	13.2	15.4	2,615	3,359	1,180	1,500
Other farm machinery	14.1	14.4	997	1,120	450	500
Seeds and plants	35.3	39.4	1,130	1,232	510	550
Trucks and autos	10.5	14.2	1,574	2,239	710	1,000
Miscellaneous capital expenses	5.3	5.3	377	314	170	140
Total farm production expenditures	100.0	100.0	35,726	37,579	16,120	16,780

Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	33.6	32.9	4,918	5,211	820	880
Feed	59.5	56.6	6,478	5,921	1,080	1,000
Farm services	99.3	99.4	11,995	13,619	2,000	2,300
Rent	51.2	48.8	6,118	5,625	1,020	950
Agricultural chemicals	71.8	67.7	2,939	3,553	490	600
Fertilizer, lime, and soil conditioners	72.8	74.7	6,597	6,395	1,100	1,080
Interest	43.5	45.2	3,359	3,375	560	570
Taxes	99.8	100.0	5,518	6,217	920	1,050
Labor	36.2	33.2	4,498	4,796	750	810
Fuel	94.6	95.2	4,078	4,619	680	780
Farm supplies and repairs	93.7	94.0	6,118	7,402	1,020	1,250
Farm improvements and construction	61.9	58.8	7,797	7,224	1,300	1,220
Tractors and self-propelled farm machinery	14.6	14.9	4,918	5,329	820	900
Other farm machinery	20.9	22.4	1,979	2,842	330	480
Seeds and plants	59.3	64.5	4,978	5,625	830	950
Trucks and autos	15.1	21.0	2,939	3,908	490	660
Miscellaneous capital expenses	5.8	6.5	360	414	60	70
Total farm production expenditures	100.0	100.0	85,587	92,077	14,270	15,550

Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	31.3	34.3	7,885	8,845	1,140	1,280
Feed	50.7	50.2	11,621	11,401	1,680	1,650
Farm services	99.8	99.8	22,480	24,185	3,250	3,500
Rent	67.1	60.7	16,186	15,616	2,340	2,260
Agricultural chemicals	81.3	78.2	8,992	9,190	1,300	1,330
Fertilizer, lime, and soil conditioners	84.2	83.2	15,494	14,787	2,240	2,140
Interest	58.0	55.4	5,880	5,735	850	830
Taxes	100.0	100.0	8,093	9,605	1,170	1,390
Labor	39.6	39.7	10,376	11,747	1,500	1,700
Fuel	97.5	97.1	6,986	8,085	1,010	1,170
Farm supplies and repairs	97.1	95.8	10,929	12,438	1,580	1,800
Farm improvements and construction	65.7	62.2	7,816	9,190	1,130	1,330
Tractors and self-propelled farm machinery	17.1	16.1	8,370	7,946	1,210	1,150
Other farm machinery	22.7	24.8	3,735	4,146	540	600
Seeds and plants	74.9	77.0	13,834	13,889	2,000	2,010
Trucks and autos	16.0	18.6	3,251	3,800	470	550
Miscellaneous capital expenses	6.7	7.7	553	415	80	60
Total farm production expenditures	100.0	100.0	162,482	171,020	23,490	24,750

Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	38.2	37.7	21,748	17,215	2,130	1,680
Feed	47.9	50.3	26,241	29,204	2,570	2,850
Farm services	99.5	100.0	43,598	45,599	4,270	4,450
Rent	75.9	77.8	41,658	42,832	4,080	4,180
Agricultural chemicals	90.6	88.6	20,216	21,519	1,980	2,100
Fertilizer, lime, and soil conditioners	88.5	89.2	33,184	31,561	3,250	3,080
Interest	71.4	68.6	11,333	11,579	1,110	1,130
Taxes	99.9	100.0	14,294	15,883	1,400	1,550
Labor	51.9	54.9	24,505	23,056	2,400	2,250
Fuel	99.0	99.6	13,273	14,346	1,300	1,400
Farm supplies and repairs	98.1	98.5	21,442	21,826	2,100	2,130
Farm improvements and construction	68.6	71.1	13,784	13,526	1,350	1,320
Tractors and self-propelled farm machinery	20.1	25.1	12,763	18,649	1,250	1,820
Other farm machinery	30.9	35.8	6,943	8,710	680	850
Seeds and plants	85.2	84.8	29,610	31,766	2,900	3,100
Trucks and autos	21.6	23.4	4,595	5,226	450	510
Miscellaneous capital expenses	8.7	6.8	613	512	60	50
Total farm production expenditures	100.0	100.0	339,800	353,007	33,280	34,450

Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	39.5	40.0	49,994	44,807	4,100	3,680
Feed	46.6	46.3	62,797	54,548	5,150	4,480
Farm services	100.0	100.0	73,650	75,490	6,040	6,200
Rent	78.4	78.3	82,917	85,231	6,800	7,000
Agricultural chemicals	89.7	87.3	41,093	38,963	3,370	3,200
Fertilizer, lime, and soil conditioners	87.4	88.2	60,968	58,444	5,000	4,800
Interest	75.3	79.2	18,047	20,577	1,480	1,690
Taxes	100.0	100.0	20,119	23,743	1,650	1,950
Labor	65.5	64.2	46,945	48,703	3,850	4,000
Fuel	99.6	98.3	22,924	24,352	1,880	2,000
Farm supplies and repairs	97.7	98.8	35,605	36,527	2,920	3,000
Farm improvements and construction	75.7	72.7	22,558	25,934	1,850	2,130
Tractors and self-propelled farm machinery	28.9	23.5	21,705	24,595	1,780	2,020
Other farm machinery	35.1	34.4	10,974	13,759	900	1,130
Seeds and plants	85.1	84.6	58,042	59,053	4,760	4,850
Trucks and autos	24.6	26.1	6,097	8,280	500	680
Miscellaneous capital expenses	8.9	8.9	854	609	70	50
Total farm production expenditures	100.0	100.0	635,288	643,614	52,100	52,860

Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	52.5	56.1	165,765	186,967	12,250	13,800
Feed	56.8	58.3	297,023	299,417	21,950	22,100
Farm services	100.0	100.0	179,296	185,612	13,250	13,700
Rent	73.3	72.4	154,939	150,386	11,450	11,100
Agricultural chemicals	88.4	82.9	75,237	75,870	5,560	5,600
Fertilizer, lime, and soil conditioners	79.7	78.3	108,931	98,225	8,050	7,250
Interest	78.0	80.6	34,641	38,206	2,560	2,820
Taxes	100.0	99.9	33,559	33,193	2,480	2,450
Labor	80.8	75.7	155,616	151,741	11,500	11,200
Fuel	99.7	99.6	45,196	47,419	3,340	3,500
Farm supplies and repairs	99.1	99.1	66,982	65,032	4,950	4,800
Farm improvements and construction	80.9	78.0	41,678	50,129	3,080	3,700
Tractors and self-propelled farm machinery	25.8	29.0	33,153	42,000	2,450	3,100
Other farm machinery	39.8	37.2	19,621	19,510	1,450	1,440
Seeds and plants	80.1	77.0	106,225	102,290	7,850	7,550
Trucks and autos	27.3	29.9	9,743	10,161	720	750
Miscellaneous capital expenses	9.8	9.0	1,083	948	80	70
Total farm production expenditures	100.0	100.0	1,528,687	1,557,106	112,970	114,930

Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	57.7	60.0	2,091,954	2,215,909	18,200	19,500
Feed	64.7	66.1	2,350,575	2,295,455	20,450	20,200
Farm services	100.0	100.0	965,517	1,034,091	8,400	9,100
Rent	66.2	67.2	377,011	386,364	3,280	3,400
Agricultural chemicals	87.6	84.1	237,931	255,682	2,070	2,250
Fertilizer, lime, and soil conditioners	81.9	79.8	303,448	286,364	2,640	2,520
Interest	84.2	83.3	128,736	146,591	1,120	1,290
Taxes	100.0	100.0	96,552	92,045	840	810
Labor	94.5	90.1	1,482,759	1,579,545	12,900	13,900
Fuel	99.9	99.1	183,908	187,500	1,600	1,650
Farm supplies and repairs	99.4	99.1	316,092	315,909	2,750	2,780
Farm improvements and construction	89.5	86.3	251,724	272,727	2,190	2,400
Tractors and self-propelled farm machinery	41.0	40.6	80,460	77,273	700	680
Other farm machinery	45.6	34.0	42,529	51,136	370	450
Seeds and plants	83.4	78.6	321,839	340,909	2,800	3,000
Trucks and autos	42.0	41.5	22,989	28,409	200	250
Miscellaneous capital expenses	12.8	10.4	4,598	1,136	40	10
Total farm production expenditures	100.0	100.0	9,258,621	9,567,045	80,550	84,190

Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms	7,100	7,450	4,900	5,000	1,200	1,220	540	710	460	520
Livestock farms	4,200	4,550	2,500	2,600	900	980	620	710	180	260

Economic class	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000	670	660	390	350	220	240	40	50	20	20
\$10,000 - \$49,999	820	840	510	530	250	230	40	60	20	20
\$50,000 - \$99,999	680	780	440	500	180	190	50	70	10	20
\$100,000 - \$249,999	1,010	1,170	680	740	210	270	80	110	40	50
\$250,000 - \$499,999	1,300	1,400	900	930	240	250	110	140	50	80
\$500,000 - \$999,999	1,880	2,000	1,300	1,360	290	320	190	230	100	90
\$1,000,000 - \$4,999,999	3,340	3,500	2,130	2,200	470	480	500	590	240	230
\$5,000,000 and over	1,600	1,650	1,050	990	240	220	150	170	160	270

Region	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic	1,390	1,590	830	890	290	310	170	250	100	140
South	1,480	1,460	940	930	270	260	200	200	70	70
Midwest	3,220	3,500	2,100	2,200	470	510	520	640	130	150
Plains	2,770	3,020	1,860	1,980	530	580	150	180	230	280
West	2,440	2,430	1,670	1,600	540	540	120	150	110	140
United States	11,300	12,000	7,400	7,600	2,100	2,200	1,160	1,420	640	780

Farm Production Expenditures – Region, State, and United States: 2016 and 2017

[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			
	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic						
North Carolina	10,340	11,140	1,930	2,360	18.7	21.2
Other States	31,770	31,990	1,850	1,840	5.8	5.8
Total	42,110	43,130	3,780	4,200	9.0	9.7
South						
Arkansas	8,105	8,190	750	810	9.3	9.9
Florida	5,900	6,135	120	90	2.0	1.5
Georgia	7,120	7,090	840	950	11.8	13.4
Other States	14,395	14,815	1,480	1,330	10.3	9.0
Total	35,520	36,230	3,190	3,180	9.0	8.8
Midwest						
Illinois	15,815	16,760	640	730	4.0	4.4
Indiana	10,235	10,285	630	620	6.2	6.0
Iowa	26,345	26,400	3,780	4,310	14.3	16.3
Minnesota	17,205	16,690	1,520	1,480	8.8	8.9
Missouri	10,375	10,480	1,190	1,130	11.5	10.8
Wisconsin	10,910	11,555	460	510	4.2	4.4
Other States	17,965	16,900	970	1,070	5.4	6.3
Total	108,850	109,070	9,190	9,850	8.4	9.0
Plains						
Kansas	17,700	19,205	6,000	6,680	33.9	34.8
Nebraska	21,720	22,575	6,170	6,370	28.4	28.2
Texas	23,900	25,890	5,670	5,410	23.7	20.9
Other States	25,730	25,990	3,050	3,000	11.9	11.5
Total	89,050	93,660	20,890	21,460	23.5	22.9
West						
California	34,200	37,380	740	750	2.2	2.0
Washington	8,105	8,500	100	530	1.2	6.2
Other States	29,065	31,830	2,110	2,130	7.3	6.7
Total	71,370	77,710	2,950	3,410	4.1	4.4
United States	346,900	359,800	40,000	42,100	11.5	11.7

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	3,440	3,520	33.3	31.6	1,010	980	9.8	8.8
Other States	5,990	6,010	18.9	18.8	4,090	4,040	12.9	12.6
Total	9,430	9,530	22.4	22.1	5,100	5,020	12.1	11.6
South								
Arkansas	2,080	2,160	25.7	26.4	850	960	10.5	11.7
Florida	440	500	7.5	8.1	760	860	12.9	14.0
Georgia	2,180	2,120	30.6	29.9	840	740	11.8	10.4
Other States	3,920	3,790	27.2	25.6	1,750	1,850	12.2	12.5
Total	8,620	8,570	24.3	23.7	4,200	4,410	11.8	12.2
Midwest								
Illinois	930	1,060	5.9	6.3	1,560	1,570	9.9	9.4
Indiana	1,450	1,180	14.2	11.5	1,060	1,080	10.4	10.5
Iowa	5,210	4,400	19.8	16.7	2,610	2,670	9.9	10.1
Minnesota	2,700	2,400	15.7	14.4	1,920	2,010	11.2	12.0
Missouri	1,600	1,750	15.4	16.7	1,100	1,050	10.6	10.0
Wisconsin	1,950	1,890	17.9	16.4	1,550	1,630	14.2	14.1
Other States	2,860	2,520	15.9	14.9	2,100	2,140	11.7	12.7
Total	16,700	15,200	15.3	13.9	11,900	12,150	10.9	11.1
Plains								
Kansas	2,500	2,700	14.1	14.1	1,420	1,400	8.0	7.3
Nebraska	2,470	2,830	11.4	12.5	1,980	2,020	9.1	8.9
Texas	4,560	4,400	19.1	17.0	2,750	3,120	11.5	12.1
Other States	1,870	2,100	7.3	8.1	3,100	2,950	12.0	11.4
Total	11,400	12,030	12.8	12.8	9,250	9,490	10.4	10.1
West								
California	3,930	3,550	11.5	9.5	5,750	6,650	16.8	17.8
Washington	830	1,150	10.2	13.5	1,420	1,330	17.5	15.6
Other States	4,690	5,170	16.1	16.2	4,080	4,750	14.0	14.9
Total	9,450	9,870	13.2	12.7	11,250	12,730	15.8	16.4
United States	55,600	55,200	16.0	15.3	41,700	43,800	12.0	12.2

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	260	270	2.5	2.4	300	310	2.9	2.8
Other States	1,480	1,340	4.7	4.2	860	830	2.7	2.6
Total	1,740	1,610	4.1	3.7	1,160	1,140	2.8	2.6
South								
Arkansas	700	720	8.6	8.8	450	440	5.6	5.4
Florida	120	140	2.0	2.3	420	410	7.1	6.7
Georgia	200	210	2.8	3.0	340	330	4.8	4.7
Other States	780	790	5.4	5.3	750	740	5.2	5.0
Total	1,800	1,860	5.1	5.1	1,960	1,920	5.5	5.3
Midwest								
Illinois	3,570	3,560	22.6	21.2	1,130	1,120	7.1	6.7
Indiana	1,580	1,490	15.4	14.5	560	550	5.5	5.3
Iowa	3,570	3,640	13.6	13.8	1,130	1,120	4.3	4.2
Minnesota	2,120	1,850	12.3	11.1	710	790	4.1	4.7
Missouri	990	1,000	9.5	9.5	510	570	4.9	5.4
Wisconsin	590	600	5.4	5.2	330	360	3.0	3.1
Other States	1,330	1,300	7.4	7.7	720	740	4.0	4.4
Total	13,750	13,440	12.6	12.3	5,090	5,250	4.7	4.8
Plains								
Kansas	1,540	1,450	8.7	7.6	770	790	4.4	4.1
Nebraska	2,560	2,430	11.8	10.8	790	830	3.6	3.7
Texas	1,040	1,130	4.4	4.4	600	700	2.5	2.7
Other States	3,070	3,140	11.9	12.1	1,510	1,500	5.9	5.8
Total	8,210	8,150	9.2	8.7	3,670	3,820	4.1	4.1
West								
California	1,890	2,100	5.5	5.6	1,840	1,830	5.4	4.9
Washington	580	550	7.2	6.5	440	470	5.4	5.5
Other States	1,830	1,990	6.3	6.3	1,040	1,070	3.6	3.4
Total	4,300	4,640	6.0	6.0	3,320	3,370	4.7	4.3
United States	29,800	29,700	8.6	8.3	15,200	15,500	4.4	4.3

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016 (million dollars)	2017 (million dollars)	2016 (percent of total)	2017 (percent of total)	2016 (million dollars)	2017 (million dollars)	2016 (percent of total)	2017 (percent of total)
Atlantic								
North Carolina	420	440	4.1	3.9	150	160	1.5	1.4
Other States	1,770	1,580	5.6	4.9	800	900	2.5	2.8
Total	2,190	2,020	5.2	4.7	950	1,060	2.3	2.5
South								
Arkansas	500	440	6.2	5.4	180	200	2.2	2.4
Florida	490	470	8.3	7.7	90	130	1.5	2.1
Georgia	420	360	5.9	5.1	120	140	1.7	2.0
Other States	830	780	5.8	5.3	300	310	2.1	2.1
Total	2,240	2,050	6.3	5.7	690	780	1.9	2.2
Midwest								
Illinois	1,870	1,740	11.8	10.4	420	460	2.7	2.7
Indiana	1,060	970	10.4	9.4	320	360	3.1	3.5
Iowa	1,880	1,810	7.1	6.9	750	840	2.8	3.2
Minnesota	1,440	1,340	8.4	8.0	580	620	3.4	3.7
Missouri	790	840	7.6	8.0	390	330	3.8	3.1
Wisconsin	710	720	6.5	6.2	420	470	3.8	4.1
Other States	1,340	1,160	7.5	6.9	540	530	3.0	3.1
Total	9,090	8,580	8.4	7.9	3,420	3,610	3.1	3.3
Plains								
Kansas	980	970	5.5	5.1	350	410	2.0	2.1
Nebraska	1,360	1,270	6.3	5.6	560	550	2.6	2.4
Texas	910	1,030	3.8	4.0	420	410	1.8	1.6
Other States	2,480	2,080	9.6	8.0	940	1,040	3.7	4.0
Total	5,730	5,350	6.4	5.7	2,270	2,410	2.5	2.6
West								
California	2,150	1,860	6.3	5.0	610	920	1.8	2.5
Washington	500	410	6.2	4.8	200	170	2.5	2.0
Other States	1,600	1,730	5.5	5.4	960	950	3.3	3.0
Total	4,250	4,000	6.0	5.1	1,770	2,040	2.5	2.6
United States	23,500	22,000	6.8	6.1	9,100	9,900	2.6	2.8

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	210	230	2.0	2.1	840	890	8.1	8.0
Other States	1,390	1,490	4.4	4.7	3,720	3,460	11.7	10.8
Total	1,600	1,720	3.8	4.0	4,560	4,350	10.8	10.1
South								
Arkansas	180	170	2.2	2.1	360	330	4.4	4.0
Florida	200	180	3.4	2.9	1,770	1,710	30.0	27.9
Georgia	160	170	2.2	2.4	520	530	7.3	7.5
Other States	340	350	2.4	2.4	750	760	5.2	5.1
Total	880	870	2.5	2.4	3,400	3,330	9.6	9.2
Midwest								
Illinois	460	520	2.9	3.1	590	550	3.7	3.3
Indiana	410	440	4.0	4.3	450	440	4.4	4.3
Iowa	840	830	3.2	3.1	760	900	2.9	3.4
Minnesota	670	640	3.9	3.8	750	730	4.4	4.4
Missouri	260	280	2.5	2.7	390	370	3.8	3.5
Wisconsin	380	410	3.5	3.5	1,070	1,030	9.8	8.9
Other States	770	830	4.3	4.9	1,880	1,250	10.5	7.4
Total	3,790	3,950	3.5	3.6	5,890	5,270	5.4	4.8
Plains								
Kansas	560	630	3.2	3.3	650	610	3.7	3.2
Nebraska	1,110	1,320	5.1	5.8	700	720	3.2	3.2
Texas	940	1,040	3.9	4.0	1,840	2,020	7.7	7.8
Other States	870	1,200	3.4	4.6	810	800	3.1	3.1
Total	3,480	4,190	3.9	4.5	4,000	4,150	4.5	4.4
West								
California	1,020	1,180	3.0	3.2	9,880	11,360	28.9	30.4
Washington	240	210	3.0	2.5	2,070	2,040	25.5	24.0
Other States	890	880	3.1	2.8	4,300	4,600	14.8	14.5
Total	2,150	2,270	3.0	2.9	16,250	18,000	22.8	23.2
United States	11,900	13,000	3.4	3.6	34,100	35,100	9.8	9.8

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016 (million dollars)	2017 (million dollars)	2016 (percent of total)	2017 (percent of total)	2016 (million dollars)	2017 (million dollars)	2016 (percent of total)	2017 (percent of total)
Atlantic								
North Carolina	290	330	2.8	3.0	370	400	3.6	3.6
Other States	1,100	1,260	3.5	3.9	2,180	2,220	6.9	6.9
Total	1,390	1,590	3.3	3.7	2,550	2,620	6.1	6.1
South								
Arkansas	400	380	4.9	4.6	360	320	4.4	3.9
Florida	230	210	3.9	3.4	330	360	5.6	5.9
Georgia	250	230	3.5	3.2	260	290	3.7	4.1
Other States	600	640	4.2	4.3	680	670	4.7	4.5
Total	1,480	1,460	4.2	4.0	1,630	1,640	4.6	4.5
Midwest								
Illinois	480	520	3.0	3.1	700	740	4.4	4.4
Indiana	300	360	2.9	3.5	460	520	4.5	5.1
Iowa	660	640	2.5	2.4	1,040	980	3.9	3.7
Minnesota	530	620	3.1	3.7	920	910	5.3	5.5
Missouri	340	390	3.3	3.7	520	530	5.0	5.1
Wisconsin	330	380	3.0	3.3	840	830	7.7	7.2
Other States	580	590	3.2	3.5	1,080	1,030	6.0	6.1
Total	3,220	3,500	3.0	3.2	5,560	5,540	5.1	5.1
Plains								
Kansas	450	540	2.5	2.8	630	720	3.6	3.7
Nebraska	550	570	2.5	2.5	850	870	3.9	3.9
Texas	790	900	3.3	3.5	930	1,080	3.9	4.2
Other States	980	1,010	3.8	3.9	1,360	1,430	5.3	5.5
Total	2,770	3,020	3.1	3.2	3,770	4,100	4.2	4.4
West								
California	1,120	1,000	3.3	2.7	1,580	1,840	4.6	4.9
Washington	230	190	2.8	2.2	520	440	6.4	5.2
Other States	1,090	1,240	3.8	3.9	1,990	2,120	6.8	6.7
Total	2,440	2,430	3.4	3.1	4,090	4,400	5.7	5.7
United States	11,300	12,000	3.3	3.3	17,600	18,300	5.1	5.1

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016 (million dollars)	2017 (million dollars)	2016 (percent of total)	2017 (percent of total)	2016 (million dollars)	2017 (million dollars)	2016 (percent of total)	2017 (percent of total)
Atlantic								
North Carolina	300	350	2.9	3.1	230	270	2.2	2.4
Other States	2,140	2,430	6.7	7.6	1,280	1,250	4.0	3.9
Total	2,440	2,780	5.8	6.4	1,510	1,520	3.6	3.5
South								
Arkansas	270	170	3.3	2.1	280	320	3.5	3.9
Florida	220	270	3.7	4.4	110	130	1.9	2.1
Georgia	200	220	2.8	3.1	270	290	3.8	4.1
Other States	570	750	4.0	5.1	470	750	3.3	5.1
Total	1,260	1,410	3.5	3.9	1,130	1,490	3.2	4.1
Midwest								
Illinois	430	640	2.7	3.8	640	860	4.0	5.1
Indiana	360	510	3.5	5.0	320	430	3.1	4.2
Iowa	890	900	3.4	3.4	620	610	2.4	2.3
Minnesota	740	700	4.3	4.2	510	550	3.0	3.3
Missouri	520	490	5.0	4.7	570	540	5.5	5.2
Wisconsin	910	1,020	8.3	8.8	360	460	3.3	4.0
Other States	890	1,000	5.0	5.9	530	630	3.0	3.7
Total	4,740	5,260	4.4	4.8	3,550	4,080	3.3	3.7
Plains								
Kansas	360	480	2.0	2.5	400	530	2.3	2.8
Nebraska	430	580	2.0	2.6	430	530	2.0	2.3
Texas	840	1,290	3.5	5.0	920	1,370	3.8	5.3
Other States	1,280	1,260	5.0	4.8	1,300	1,150	5.1	4.4
Total	2,910	3,610	3.3	3.9	3,050	3,580	3.4	3.8
West								
California	1,210	1,400	3.5	3.7	330	550	1.0	1.5
Washington	310	320	3.8	3.8	150	210	1.9	2.5
Other States	1,630	1,620	5.6	5.1	880	1,170	3.0	3.7
Total	3,150	3,340	4.4	4.3	1,360	1,930	1.9	2.5
United States	14,500	16,400	4.2	4.6	10,600	12,600	3.1	3.5

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	80	70	0.8	0.6	370	440	3.6	3.9
Other States	620	730	2.0	2.3	1,830	1,810	5.8	5.7
Total	700	800	1.7	1.9	2,200	2,250	5.2	5.2
South								
Arkansas	90	110	1.1	1.3	520	470	6.4	5.7
Florida	30	50	0.5	0.8	480	530	8.1	8.6
Georgia	70	90	1.0	1.3	330	320	4.6	4.5
Other States	160	220	1.1	1.5	750	780	5.2	5.3
Total	350	470	1.0	1.3	2,080	2,100	5.9	5.8
Midwest								
Illinois	360	430	2.3	2.6	1,860	2,020	11.8	12.1
Indiana	160	210	1.6	2.0	960	1,000	9.4	9.7
Iowa	370	360	1.4	1.4	2,030	2,120	7.7	8.0
Minnesota	310	380	1.8	2.3	1,600	1,500	9.3	9.0
Missouri	220	230	2.1	2.2	690	710	6.7	6.8
Wisconsin	250	350	2.3	3.0	650	710	6.0	6.1
Other States	410	440	2.3	2.6	1,680	1,340	9.4	7.9
Total	2,080	2,400	1.9	2.2	9,470	9,400	8.7	8.6
Plains								
Kansas	200	260	1.1	1.4	720	830	4.1	4.3
Nebraska	290	280	1.3	1.2	1,260	1,210	5.8	5.4
Texas	220	320	0.9	1.2	890	950	3.7	3.7
Other States	450	540	1.7	2.1	2,140	2,110	8.3	8.1
Total	1,160	1,400	1.3	1.5	5,010	5,100	5.6	5.4
West								
California	180	230	0.5	0.6	1,750	1,870	5.1	5.0
Washington	100	90	1.2	1.1	310	300	3.8	3.5
Other States	430	510	1.5	1.6	980	1,180	3.4	3.7
Total	710	830	1.0	1.1	3,040	3,350	4.3	4.3
United States	5,000	5,900	1.4	1.6	21,800	22,200	6.3	6.2

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Farm Production Expenditures – Region, State, and United States: 2016 and 2017 (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			
	2016	2017	2016	2017	2016	2017	2016	2017
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
Atlantic								
North Carolina	120	110	1.2	1.0	20	10	0.2	0.1
Other States	590	730	1.9	2.3	80	70	0.3	0.2
Total	710	840	1.7	1.9	100	80	0.2	0.2
South								
Arkansas	120	180	1.5	2.2	15	10	0.2	0.1
Florida	80	90	1.4	1.5	10	5	0.2	0.1
Georgia	100	90	1.4	1.3	20	10	0.3	0.1
Other States	250	280	1.7	1.9	15	25	0.1	0.2
Total	550	640	1.5	1.8	60	50	0.2	0.1
Midwest								
Illinois	140	210	0.9	1.3	35	30	0.2	0.2
Indiana	120	110	1.2	1.1	35	15	0.3	0.1
Iowa	160	240	0.6	0.9	45	30	0.2	0.1
Minnesota	160	150	0.9	0.9	25	20	0.1	0.1
Missouri	250	230	2.4	2.2	45	40	0.4	0.4
Wisconsin	100	160	0.9	1.4	10	25	0.1	0.2
Other States	240	300	1.3	1.8	45	30	0.3	0.2
Total	1,170	1,400	1.1	1.3	240	190	0.2	0.2
Plains								
Kansas	140	190	0.8	1.0	30	15	0.2	0.1
Nebraska	180	170	0.8	0.8	30	25	0.1	0.1
Texas	500	630	2.1	2.4	80	90	0.3	0.3
Other States	440	630	1.7	2.4	80	50	0.3	0.2
Total	1,260	1,620	1.4	1.7	220	180	0.2	0.2
West								
California	190	280	0.6	0.7	30	10	0.1	(Z)
Washington	90	80	1.1	0.9	15	10	0.2	0.1
Other States	430	640	1.5	2.0	135	80	0.5	0.3
Total	710	1,000	1.0	1.3	180	100	0.3	0.1
United States	4,400	5,500	1.3	1.5	800	600	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: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	30.2	32.2	9,252	10,334	3,780	4,200
Feed	69.0	61.5	23,082	23,447	9,430	9,530
Farm services	95.0	91.3	12,483	12,351	5,100	5,020
Rent	27.9	19.8	4,259	3,961	1,740	1,610
Agricultural chemicals	42.5	33.5	2,839	2,805	1,160	1,140
Fertilizer, lime, and soil conditioners	59.2	50.7	5,361	4,970	2,190	2,020
Interest	26.1	32.8	2,325	2,608	950	1,060
Taxes	100.0	100.0	3,916	4,232	1,600	1,720
Labor	25.0	20.9	11,162	10,703	4,560	4,350
Fuel	91.4	91.7	3,402	3,912	1,390	1,590
Farm supplies and repairs	87.9	87.6	6,242	6,446	2,550	2,620
Farm improvements and construction	50.3	52.7	5,972	6,840	2,440	2,780
Tractors and self-propelled farm machinery	13.1	13.2	3,696	3,740	1,510	1,520
Other farm machinery	14.4	16.1	1,713	1,968	700	800
Seeds and plants	34.4	35.6	5,385	5,536	2,200	2,250
Trucks and autos	8.6	12.3	1,738	2,067	710	840
Miscellaneous capital expenses	5.5	3.7	245	197	100	80
Total farm production expenditures	100.0	100.0	103,074	106,117	42,110	43,130

Farm Production Expenditures Total by Year – Atlantic Region: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	4,300	4,600	4,150	3,780	4,200
Feed	10,810	10,630	10,050	9,430	9,530
Farm services	4,400	5,290	4,820	5,100	5,020
Rent	1,550	1,810	1,730	1,740	1,610
Agricultural chemicals	1,250	1,320	1,190	1,160	1,140
Fertilizer, lime, and soil conditioners	2,610	2,620	2,290	2,190	2,020
Interest	910	1,120	1,080	950	1,060
Taxes	1,510	1,970	1,700	1,600	1,720
Labor	4,660	4,510	4,160	4,560	4,350
Fuel	2,200	2,190	1,650	1,390	1,590
Farm supplies and repairs	2,720	3,000	2,910	2,550	2,620
Farm improvements and construction	2,460	2,700	2,420	2,440	2,780
Tractors and self-propelled farm machinery	2,220	2,120	2,120	1,510	1,520
Other farm machinery	1,050	1,190	880	700	800
Seeds and plants	1,990	2,190	2,020	2,200	2,250
Trucks and autos	700	860	910	710	840
Miscellaneous capital expenses	80	70	110	100	80
Total farm production expenditures	45,420	48,190	44,190	42,110	43,130

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.6	33.6	40,208	49,372	1,930	2,360
Feed	60.8	63.2	71,667	73,640	3,440	3,520
Farm services	96.1	93.6	21,042	20,502	1,010	980
Rent	30.6	31.4	5,417	5,649	260	270
Agricultural chemicals	51.5	51.7	6,250	6,485	300	310
Fertilizer, lime, and soil conditioners	61.5	65.9	8,750	9,205	420	440
Interest	29.0	30.4	3,125	3,347	150	160
Taxes	100.0	100.0	4,375	4,812	210	230
Labor	24.6	30.8	17,500	18,619	840	890
Fuel	91.7	93.1	6,042	6,904	290	330
Farm supplies and repairs	86.8	86.6	7,708	8,368	370	400
Farm improvements and construction	53.1	47.8	6,250	7,322	300	350
Tractors and self-propelled farm machinery	13.3	16.3	4,792	5,649	230	270
Other farm machinery	14.8	11.1	1,667	1,464	80	70
Seeds and plants	38.5	42.8	7,708	9,205	370	440
Trucks and autos	12.0	12.1	2,500	2,301	120	110
Miscellaneous capital expenses	6.2	4.2	417	209	20	10
Total farm production expenditures	100.0	100.0	215,417	233,054	10,340	11,140

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	30.5	32.0	5,131	5,130	1,850	1,840
Feed	70.1	61.3	16,614	16,758	5,990	6,010
Farm services	94.9	91.0	11,344	11,265	4,090	4,040
Rent	27.5	18.3	4,105	3,736	1,480	1,340
Agricultural chemicals	41.3	31.0	2,385	2,314	860	830
Fertilizer, lime, and soil conditioners	58.8	48.7	4,909	4,406	1,770	1,580
Interest	25.7	33.1	2,219	2,509	800	900
Taxes	100.0	100.0	3,855	4,155	1,390	1,490
Labor	25.1	19.6	10,318	9,648	3,720	3,460
Fuel	91.3	91.5	3,051	3,513	1,100	1,260
Farm supplies and repairs	88.1	87.8	6,046	6,190	2,180	2,220
Farm improvements and construction	49.9	53.3	5,936	6,776	2,140	2,430
Tractors and self-propelled farm machinery	13.1	12.8	3,550	3,485	1,280	1,250
Other farm machinery	14.4	16.7	1,720	2,035	620	730
Seeds and plants	33.9	34.6	5,076	5,047	1,830	1,810
Trucks and autos	8.2	12.3	1,636	2,035	590	730
Miscellaneous capital expenses	5.4	3.7	222	195	80	70
Total farm production expenditures	100.0	100.0	88,118	89,198	31,770	31,990

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	23.1	24.3	12,106	12,212	3,190	3,180
Feed	62.9	60.2	32,713	32,911	8,620	8,570
Farm services	89.9	91.6	15,939	16,935	4,200	4,410
Rent	23.6	20.4	6,831	7,143	1,800	1,860
Agricultural chemicals	47.2	39.9	7,438	7,373	1,960	1,920
Fertilizer, lime, and soil conditioners	54.0	52.7	8,501	7,873	2,240	2,050
Interest	23.0	22.5	2,619	2,995	690	780
Taxes	99.3	99.5	3,340	3,341	880	870
Labor	24.0	21.1	12,903	12,788	3,400	3,330
Fuel	87.2	86.9	5,617	5,607	1,480	1,460
Farm supplies and repairs	81.6	78.6	6,186	6,298	1,630	1,640
Farm improvements and construction	44.9	43.9	4,782	5,415	1,260	1,410
Tractors and self-propelled farm machinery	10.7	13.8	4,288	5,722	1,130	1,490
Other farm machinery	11.9	11.1	1,328	1,805	350	470
Seeds and plants	32.1	32.8	7,894	8,065	2,080	2,100
Trucks and autos	10.9	12.6	2,087	2,458	550	640
Miscellaneous capital expenses	3.2	3.7	228	192	60	50
Total farm production expenditures	100.0	100.0	134,801	139,132	35,520	36,230

Farm Production Expenditures Total by Year – South Region: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	2,990	3,750	3,180	3,190	3,180
Feed	10,310	9,990	8,750	8,620	8,570
Farm services	4,000	4,430	4,180	4,200	4,410
Rent	2,150	2,080	2,070	1,800	1,860
Agricultural chemicals	1,930	2,210	1,840	1,960	1,920
Fertilizer, lime, and soil conditioners	2,760	2,600	2,420	2,240	2,050
Interest	660	760	790	690	780
Taxes	750	900	900	880	870
Labor	3,460	3,460	3,550	3,400	3,330
Fuel	1,860	1,970	1,560	1,480	1,460
Farm supplies and repairs	1,690	1,840	1,820	1,630	1,640
Farm improvements and construction	1,230	1,290	1,330	1,260	1,410
Tractors and self-propelled farm machinery	1,690	1,800	1,380	1,130	1,490
Other farm machinery	490	510	510	350	470
Seeds and plants	2,100	2,160	2,190	2,080	2,100
Trucks and autos	570	730	570	550	640
Miscellaneous capital expenses	30	20	40	60	50
Total farm production expenditures	38,670	40,500	37,080	35,520	36,230

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	33.7	26.7	17,442	19,149	750	810
Feed	71.5	69.0	48,372	51,064	2,080	2,160
Farm services	94.0	94.5	19,767	22,695	850	960
Rent	32.1	23.4	16,279	17,021	700	720
Agricultural chemicals	44.5	32.9	10,465	10,402	450	440
Fertilizer, lime, and soil conditioners	46.2	39.7	11,628	10,402	500	440
Interest	33.3	30.7	4,186	4,728	180	200
Taxes	99.5	98.9	4,186	4,019	180	170
Labor	24.5	18.7	8,372	7,801	360	330
Fuel	87.5	89.8	9,302	8,983	400	380
Farm supplies and repairs	84.5	78.1	8,372	7,565	360	320
Farm improvements and construction	50.4	39.9	6,279	4,019	270	170
Tractors and self-propelled farm machinery	17.1	17.5	6,512	7,565	280	320
Other farm machinery	15.5	12.5	2,093	2,600	90	110
Seeds and plants	23.5	19.7	12,093	11,111	520	470
Trucks and autos	14.3	22.6	2,791	4,255	120	180
Miscellaneous capital expenses	6.0	4.1	349	236	15	10
Total farm production expenditures	100.0	100.0	188,488	193,617	8,105	8,190

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.5	16.3	2,548	1,915	120	90
Feed	60.0	62.5	9,342	10,638	440	500
Farm services	92.9	91.5	16,136	18,298	760	860
Rent	14.1	14.9	2,548	2,979	120	140
Agricultural chemicals	40.6	35.0	8,917	8,723	420	410
Fertilizer, lime, and soil conditioners	47.1	43.9	10,403	10,000	490	470
Interest	15.7	20.5	1,911	2,766	90	130
Taxes	100.0	100.0	4,246	3,830	200	180
Labor	28.4	25.0	37,580	36,383	1,770	1,710
Fuel	81.0	80.9	4,883	4,468	230	210
Farm supplies and repairs	76.3	74.7	7,006	7,660	330	360
Farm improvements and construction	47.4	51.0	4,671	5,745	220	270
Tractors and self-propelled farm machinery	9.4	11.7	2,335	2,766	110	130
Other farm machinery	8.5	7.7	637	1,064	30	50
Seeds and plants	24.3	22.0	10,191	11,277	480	530
Trucks and autos	7.7	10.4	1,699	1,915	80	90
Miscellaneous capital expenses	2.7	2.6	212	106	10	5
Total farm production expenditures	100.0	100.0	125,265	130,532	5,900	6,135

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.3	23.0	20,096	23,227	840	950
Feed	53.3	53.5	52,153	51,834	2,180	2,120
Farm services	85.1	89.9	20,096	18,093	840	740
Rent	23.5	21.9	4,785	5,134	200	210
Agricultural chemicals	50.8	44.7	8,134	8,068	340	330
Fertilizer, lime, and soil conditioners	57.8	61.2	10,048	8,802	420	360
Interest	29.2	25.0	2,871	3,423	120	140
Taxes	100.0	100.0	3,828	4,156	160	170
Labor	29.4	25.9	12,440	12,958	520	530
Fuel	85.0	89.0	5,981	5,623	250	230
Farm supplies and repairs	76.2	82.6	6,220	7,090	260	290
Farm improvements and construction	43.9	44.2	4,785	5,379	200	220
Tractors and self-propelled farm machinery	11.2	13.8	6,459	7,090	270	290
Other farm machinery	9.5	12.5	1,675	2,200	70	90
Seeds and plants	43.6	35.2	7,895	7,824	330	320
Trucks and autos	11.1	10.6	2,392	2,200	100	90
Miscellaneous capital expenses	4.9	4.3	478	244	20	10
Total farm production expenditures	100.0	100.0	170,335	173,350	7,120	7,090

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	19.0	26.8	11,246	10,215	1,480	1,330
Feed	64.2	58.6	29,787	29,109	3,920	3,790
Farm services	88.9	91.2	13,298	14,209	1,750	1,850
Rent	24.2	20.9	5,927	6,068	780	790
Agricultural chemicals	49.4	42.4	5,699	5,684	750	740
Fertilizer, lime, & soil conditioners	57.8	57.5	6,307	5,991	830	780
Interest	20.3	19.8	2,280	2,381	300	310
Taxes	98.8	99.3	2,584	2,688	340	350
Labor	20.5	19.1	5,699	5,837	750	760
Fuel	90.1	87.4	4,559	4,916	600	640
Farm supplies and repairs	84.4	78.8	5,167	5,146	680	670
Farm improvements and construction	42.5	42.6	4,331	5,760	570	750
Tractors and self-propelled farm machinery	9.0	13.4	3,571	5,760	470	750
Other farm machinery	12.6	11.4	1,216	1,690	160	220
Seeds and plants	34.1	40.1	5,699	5,991	750	780
Trucks and autos	10.8	10.7	1,900	2,151	250	280
Miscellaneous capital expenses	2.0	3.7	114	192	15	25
Total farm production expenditures	100.0	100.0	109,384	113,786	14,395	14,815

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.7	24.9	15,807	17,036	9,190	9,850
Feed	43.2	47.5	28,724	26,288	16,700	15,200
Farm services	89.9	93.3	20,468	21,013	11,900	12,150
Rent	35.2	34.4	23,650	23,245	13,750	13,440
Agricultural chemicals	51.1	49.0	8,755	9,080	5,090	5,250
Fertilizer, lime, and soil conditioners	55.5	54.8	15,635	14,839	9,090	8,580
Interest	44.0	41.7	5,882	6,244	3,420	3,610
Taxes	100.0	100.0	6,519	6,832	3,790	3,950
Labor	22.6	21.4	10,131	9,114	5,890	5,270
Fuel	80.0	84.8	5,538	6,053	3,220	3,500
Farm supplies and repairs	78.6	82.9	9,563	9,581	5,560	5,540
Farm improvements and construction	50.9	54.7	8,153	9,097	4,740	5,260
Tractors and self-propelled farm machinery	13.2	14.2	6,106	7,056	3,550	4,080
Other farm machinery	18.8	20.1	3,578	4,151	2,080	2,400
Seeds and plants	50.9	52.8	16,288	16,257	9,470	9,400
Trucks and autos	11.7	13.4	2,012	2,421	1,170	1,400
Miscellaneous capital expenses	4.1	4.8	413	329	240	190
Total farm production expenditures	100.0	100.0	187,221	188,637	108,850	109,070

Farm Production Expenditures Total by Year – Midwest Region: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	8,500	10,600	10,850	9,190	9,850
Feed	16,330	17,560	16,950	16,700	15,200
Farm services	10,530	11,830	11,470	11,900	12,150
Rent	15,360	15,710	14,380	13,750	13,440
Agricultural chemicals	5,170	5,080	4,840	5,090	5,250
Fertilizer, lime, and soil conditioners	11,990	10,860	10,310	9,090	8,580
Interest	3,250	3,450	3,410	3,420	3,610
Taxes	3,740	4,760	4,270	3,790	3,950
Labor	5,000	5,590	5,320	5,890	5,270
Fuel	4,900	5,100	3,660	3,220	3,500
Farm supplies and repairs	5,700	5,780	5,540	5,560	5,540
Farm improvements and construction	5,570	6,560	5,390	4,740	5,260
Tractors and self-propelled farm machinery	6,570	5,790	3,540	3,550	4,080
Other farm machinery	3,990	3,800	2,250	2,080	2,400
Seeds and plants	10,110	9,830	9,550	9,470	9,400
Trucks and autos	1,540	1,530	1,150	1,170	1,400
Miscellaneous capital expenses	150	200	200	240	190
Total farm production expenditures	118,400	124,030	113,080	108,850	109,070

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	13.4	16.2	8,864	10,282	640	730
Feed	23.4	31.0	12,881	14,930	930	1,060
Farm services	80.9	89.7	21,607	22,113	1,560	1,570
Rent	41.9	44.0	49,446	50,141	3,570	3,560
Agricultural chemicals	60.3	60.8	15,651	15,775	1,130	1,120
Fertilizer, lime, and soil conditioners	61.3	63.6	25,900	24,507	1,870	1,740
Interest	36.9	40.5	5,817	6,479	420	460
Taxes	100.0	100.0	6,371	7,324	460	520
Labor	24.2	18.2	8,172	7,746	590	550
Fuel	73.7	79.8	6,648	7,324	480	520
Farm supplies and repairs	67.7	79.4	9,695	10,423	700	740
Farm improvements and construction	42.9	47.2	5,956	9,014	430	640
Tractors and self-propelled farm machinery	12.4	17.2	8,864	12,113	640	860
Other farm machinery	15.7	21.5	4,986	6,056	360	430
Seeds and plants	60.0	63.6	25,762	28,451	1,860	2,020
Trucks and autos	10.3	16.0	1,939	2,958	140	210
Miscellaneous capital expenses	3.3	5.0	485	423	35	30
Total farm production expenditures	100.0	100.0	219,044	236,056	15,815	16,760

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.1	28.3	10,957	10,915	630	620
Feed	43.8	52.6	25,217	20,775	1,450	1,180
Farm services	85.1	94.7	18,435	19,014	1,060	1,080
Rent	33.3	34.0	27,478	26,232	1,580	1,490
Agricultural chemicals	51.1	47.6	9,739	9,683	560	550
Fertilizer, lime, and soil conditioners	53.4	55.0	18,435	17,077	1,060	970
Interest	38.7	44.6	5,565	6,338	320	360
Taxes	100.0	100.0	7,130	7,746	410	440
Labor	18.1	21.6	7,826	7,746	450	440
Fuel	79.6	80.9	5,217	6,338	300	360
Farm supplies and repairs	77.7	85.0	8,000	9,155	460	520
Farm improvements and construction	41.3	53.4	6,261	8,979	360	510
Tractors and self-propelled farm machinery	10.9	14.5	5,565	7,570	320	430
Other farm machinery	16.3	18.4	2,783	3,697	160	210
Seeds and plants	51.5	50.7	16,696	17,606	960	1,000
Trucks and autos	10.0	10.8	2,087	1,937	120	110
Miscellaneous capital expenses	3.9	3.8	609	264	35	15
Total farm production expenditures	100.0	100.0	178,000	181,074	10,235	10,285

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.3	27.4	43,448	49,597	3,780	4,310
Feed	38.0	42.0	59,885	50,633	5,210	4,400
Farm services	95.0	97.1	30,000	30,725	2,610	2,670
Rent	44.6	43.9	41,034	41,887	3,570	3,640
Agricultural chemicals	63.9	60.1	12,989	12,888	1,130	1,120
Fertilizer, lime, and soil conditioners	60.4	61.0	21,609	20,829	1,880	1,810
Interest	50.1	49.6	8,621	9,666	750	840
Taxes	100.0	100.0	9,655	9,551	840	830
Labor	29.0	29.1	8,736	10,357	760	900
Fuel	74.6	81.6	7,586	7,365	660	640
Farm supplies and repairs	73.7	77.9	11,954	11,277	1,040	980
Farm improvements and construction	54.2	57.8	10,230	10,357	890	900
Tractors and self-propelled farm machinery	13.3	15.5	7,126	7,020	620	610
Other farm machinery	19.7	19.0	4,253	4,143	370	360
Seeds and plants	60.4	62.7	23,333	24,396	2,030	2,120
Trucks and autos	12.0	15.9	1,839	2,762	160	240
Miscellaneous capital expenses	5.5	5.6	517	345	45	30
Total farm production expenditures	100.0	100.0	302,816	303,797	26,345	26,400

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.5	23.0	20,737	20,219	1,520	1,480
Feed	43.3	39.8	36,835	32,787	2,700	2,400
Farm services	94.9	95.9	26,194	27,459	1,920	2,010
Rent	41.6	42.9	28,922	25,273	2,120	1,850
Agricultural chemicals	55.4	55.0	9,686	10,792	710	790
Fertilizer, lime, and soil conditioners	54.3	54.0	19,645	18,306	1,440	1,340
Interest	47.8	49.3	7,913	8,470	580	620
Taxes	100.0	100.0	9,141	8,743	670	640
Labor	28.3	23.4	10,232	9,973	750	730
Fuel	80.3	85.8	7,231	8,470	530	620
Farm supplies and repairs	78.8	81.1	12,551	12,432	920	910
Farm improvements and construction	55.2	53.4	10,095	9,563	740	700
Tractors and self-propelled farm machinery	14.3	14.0	6,958	7,514	510	550
Other farm machinery	21.1	22.3	4,229	5,191	310	380
Seeds and plants	55.1	56.3	21,828	20,492	1,600	1,500
Trucks and autos	13.5	14.4	2,183	2,049	160	150
Miscellaneous capital expenses	4.2	4.9	341	273	25	20
Total farm production expenditures	100.0	100.0	234,720	228,005	17,205	16,690

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	33.7	29.0	12,293	11,614	1,190	1,130
Feed	58.7	66.6	16,529	17,986	1,600	1,750
Farm services	91.2	89.5	11,364	10,791	1,100	1,050
Rent	25.8	23.3	10,227	10,277	990	1,000
Agricultural chemicals	40.9	37.8	5,269	5,858	510	570
Fertilizer, lime, and soil conditioners	62.3	51.4	8,161	8,633	790	840
Interest	39.8	34.4	4,029	3,392	390	330
Taxes	100.0	100.0	2,686	2,878	260	280
Labor	22.1	18.5	4,029	3,803	390	370
Fuel	86.2	86.0	3,512	4,008	340	390
Farm supplies and repairs	85.3	81.4	5,372	5,447	520	530
Farm improvements and construction	52.1	52.5	5,372	5,036	520	490
Tractors and self-propelled farm machinery	17.6	12.3	5,888	5,550	570	540
Other farm machinery	18.4	15.6	2,273	2,364	220	230
Seeds and plants	33.0	32.9	7,128	7,297	690	710
Trucks and autos	15.8	15.0	2,583	2,364	250	230
Miscellaneous capital expenses	6.7	5.6	465	411	45	40
Total farm production expenditures	100.0	100.0	107,180	107,708	10,375	10,480

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.3	31.1	6,696	7,445	460	510
Feed	55.4	56.2	28,384	27,591	1,950	1,890
Farm services	94.5	95.8	22,562	23,796	1,550	1,630
Rent	33.9	34.7	8,588	8,759	590	600
Agricultural chemicals	51.5	50.3	4,803	5,255	330	360
Fertilizer, lime, and soil conditioners	54.7	54.2	10,335	10,511	710	720
Interest	48.4	44.4	6,114	6,861	420	470
Taxes	100.0	100.0	5,531	5,985	380	410
Labor	22.6	24.2	15,575	15,036	1,070	1,030
Fuel	83.5	84.9	4,803	5,547	330	380
Farm supplies and repairs	87.4	86.0	12,227	12,117	840	830
Farm improvements and construction	61.4	58.5	13,246	14,891	910	1,020
Tractors and self-propelled farm machinery	11.0	18.3	5,240	6,715	360	460
Other farm machinery	23.3	24.1	3,639	5,109	250	350
Seeds and plants	56.7	56.2	9,461	10,365	650	710
Trucks and autos	11.0	14.7	1,456	2,336	100	160
Miscellaneous capital expenses	1.6	6.3	146	365	10	25
Total farm production expenditures	100.0	100.0	158,806	168,686	10,910	11,555

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	19.0	21.2	7,705	8,594	970	1,070
Feed	39.1	43.5	22,716	20,241	2,860	2,520
Farm services	87.3	92.1	16,680	17,189	2,100	2,140
Rent	29.8	26.0	10,564	10,442	1,330	1,300
Agricultural chemicals	42.2	39.5	5,719	5,944	720	740
Fertilizer, lime, and soil conditioners	45.5	48.8	10,643	9,317	1,340	1,160
Interest	45.1	35.4	4,289	4,257	540	530
Taxes	100.0	100.0	6,116	6,667	770	830
Labor	16.4	17.2	14,932	10,040	1,880	1,250
Fuel	80.8	90.1	4,607	4,739	580	590
Farm supplies and repairs	78.6	87.9	8,578	8,273	1,080	1,030
Farm improvements and construction	48.6	57.8	7,069	8,032	890	1,000
Tractors and self-propelled farm machinery	11.7	10.9	4,210	5,060	530	630
Other farm machinery	17.5	20.7	3,257	3,534	410	440
Seeds and plants	47.0	52.3	13,344	10,763	1,680	1,340
Trucks and autos	9.4	9.0	1,906	2,410	240	300
Miscellaneous capital expenses	2.8	3.2	357	241	45	30
Total farm production expenditures	100.0	100.0	142,693	135,743	17,965	16,900

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.5	29.6	42,772	44,238	20,890	21,460
Feed	65.7	63.6	23,342	24,799	11,400	12,030
Farm services	91.0	89.4	18,939	19,563	9,250	9,490
Rent	33.2	30.4	16,810	16,801	8,210	8,150
Agricultural chemicals	43.8	38.9	7,514	7,875	3,670	3,820
Fertilizer, lime, and soil conditioners	42.5	40.9	11,732	11,029	5,730	5,350
Interest	31.7	31.0	4,648	4,968	2,270	2,410
Taxes	100.0	100.0	7,125	8,637	3,480	4,190
Labor	26.3	26.4	8,190	8,555	4,000	4,150
Fuel	82.4	81.1	5,672	6,226	2,770	3,020
Farm supplies and repairs	78.7	78.0	7,719	8,452	3,770	4,100
Farm improvements and construction	48.3	46.6	5,958	7,442	2,910	3,610
Tractors and self-propelled farm machinery	13.6	12.6	6,245	7,380	3,050	3,580
Other farm machinery	15.1	12.3	2,375	2,886	1,160	1,400
Seeds and plants	29.3	32.9	10,258	10,513	5,010	5,100
Trucks and autos	14.1	15.4	2,580	3,340	1,260	1,620
Miscellaneous capital expenses	6.1	5.9	450	371	220	180
Total farm production expenditures	100.0	100.0	182,330	193,074	89,050	93,660

Farm Production Expenditures Total by Year – Plains Region: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	14,980	21,680	23,260	20,890	21,460
Feed	12,180	12,950	12,150	11,400	12,030
Farm services	8,350	9,230	9,130	9,250	9,490
Rent	7,820	8,260	8,080	8,210	8,150
Agricultural chemicals	3,240	3,540	3,650	3,670	3,820
Fertilizer, lime, and soil conditioners	6,550	6,940	6,000	5,730	5,350
Interest	2,000	2,290	2,260	2,270	2,410
Taxes	3,530	3,530	3,650	3,480	4,190
Labor	3,780	4,470	4,070	4,000	4,150
Fuel	4,220	4,100	2,950	2,770	3,020
Farm supplies and repairs	4,030	4,260	4,110	3,770	4,100
Farm improvements and construction	3,720	3,630	3,150	2,910	3,610
Tractors and self-propelled farm machinery	4,860	5,180	3,040	3,050	3,580
Other farm machinery	2,460	2,500	1,600	1,160	1,400
Seeds and plants	4,540	5,000	4,790	5,010	5,100
Trucks and autos	1,370	1,940	1,490	1,260	1,620
Miscellaneous capital expenses	60	120	150	220	180
Total farm production expenditures	87,690	99,620	93,530	89,050	93,660

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.9	23.7	100,671	112,081	6,000	6,680
Feed	52.3	45.7	41,946	45,302	2,500	2,700
Farm services	89.5	88.6	23,826	23,490	1,420	1,400
Rent	46.9	44.1	25,839	24,329	1,540	1,450
Agricultural chemicals	62.0	56.0	12,919	13,255	770	790
Fertilizer, lime, and soil conditioners	59.0	57.5	16,443	16,275	980	970
Interest	42.3	40.8	5,872	6,879	350	410
Taxes	100.0	100.0	9,396	10,570	560	630
Labor	26.7	21.0	10,906	10,235	650	610
Fuel	80.8	76.4	7,550	9,060	450	540
Farm supplies and repairs	75.8	74.4	10,570	12,081	630	720
Farm improvements and construction	48.0	46.5	6,040	8,054	360	480
Tractors and self-propelled farm machinery	10.1	13.1	6,711	8,893	400	530
Other farm machinery	13.0	18.4	3,356	4,362	200	260
Seeds and plants	45.1	49.9	12,081	13,926	720	830
Trucks and autos	13.5	14.9	2,349	3,188	140	190
Miscellaneous capital expenses	5.0	3.9	503	252	30	15
Total farm production expenditures	100.0	100.0	296,980	322,232	17,700	19,205

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	29.2	29.6	127,479	134,388	6,170	6,370
Feed	46.4	44.0	51,033	59,705	2,470	2,830
Farm services	90.3	94.8	40,909	42,616	1,980	2,020
Rent	53.9	53.6	52,893	51,266	2,560	2,430
Agricultural chemicals	64.3	62.9	16,322	17,511	790	830
Fertilizer, lime, and soil conditioners	60.6	62.4	28,099	26,793	1,360	1,270
Interest	53.4	56.0	11,570	11,603	560	550
Taxes	100.0	100.0	22,934	27,848	1,110	1,320
Labor	29.4	31.5	14,463	15,190	700	720
Fuel	79.5	85.2	11,364	12,025	550	570
Farm supplies and repairs	80.9	84.6	17,562	18,354	850	870
Farm improvements and construction	46.2	49.9	8,884	12,236	430	580
Tractors and self-propelled farm machinery	13.4	15.1	8,884	11,181	430	530
Other farm machinery	23.1	20.2	5,992	5,907	290	280
Seeds and plants	59.9	61.5	26,033	25,527	1,260	1,210
Trucks and autos	18.8	18.2	3,719	3,586	180	170
Miscellaneous capital expenses	9.4	8.8	620	527	30	25
Total farm production expenditures	100.0	100.0	448,760	476,266	21,720	22,575

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	22.0	27.3	23,478	22,542	5,670	5,410
Feed	78.2	71.5	18,882	18,333	4,560	4,400
Farm services	90.0	86.4	11,387	13,000	2,750	3,120
Rent	22.3	19.7	4,306	4,708	1,040	1,130
Agricultural chemicals	33.9	26.7	2,484	2,917	600	700
Fertilizer, lime, and soil conditioners	34.3	32.8	3,768	4,292	910	1,030
Interest	17.4	16.6	1,739	1,708	420	410
Taxes	100.0	100.0	3,892	4,333	940	1,040
Labor	25.4	26.9	7,619	8,417	1,840	2,020
Fuel	83.8	79.5	3,271	3,750	790	900
Farm supplies and repairs	78.1	73.6	3,851	4,500	930	1,080
Farm improvements and construction	42.7	40.9	3,478	5,375	840	1,290
Tractors and self-propelled farm machinery	11.5	12.1	3,810	5,708	920	1,370
Other farm machinery	12.1	7.8	911	1,333	220	320
Seeds and plants	17.6	20.8	3,685	3,958	890	950
Trucks and autos	9.3	11.5	2,070	2,625	500	630
Miscellaneous capital expenses	4.3	4.5	331	375	80	90
Total farm production expenditures	100.0	100.0	98,965	107,875	23,900	25,890

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	28.2	36.0	21,958	21,723	3,050	3,000
Feed	56.4	64.3	13,463	15,206	1,870	2,100
Farm services	93.5	93.0	22,318	21,361	3,100	2,950
Rent	39.0	35.1	22,102	22,737	3,070	3,140
Agricultural chemicals	46.2	44.4	10,871	10,862	1,510	1,500
Fertilizer, lime, & soil conditioners	43.2	40.5	17,855	15,062	2,480	2,080
Interest	44.6	43.2	6,767	7,531	940	1,040
Taxes	100.0	100.0	6,263	8,689	870	1,200
Labor	26.5	26.2	5,832	5,793	810	800
Fuel	81.6	84.5	7,055	7,314	980	1,010
Farm supplies and repairs	80.3	84.8	9,791	10,355	1,360	1,430
Farm improvements and construction	59.0	55.6	9,215	9,124	1,280	1,260
Tractors and self-propelled farm machinery	18.8	12.6	9,359	8,327	1,300	1,150
Other farm machinery	18.4	14.7	3,240	3,910	450	540
Seeds and plants	32.2	37.0	15,407	15,279	2,140	2,110
Trucks and autos	21.1	21.3	3,168	4,562	440	630
Miscellaneous capital expenses	8.5	8.1	576	362	80	50
Total farm production expenditures	100.0	100.0	185,241	188,197	25,730	25,990

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	24.0	27.0	9,504	10,996	2,950	3,410
Feed	50.4	53.7	30,445	31,828	9,450	9,870
Farm services	89.5	91.4	36,244	41,051	11,250	12,730
Rent	23.7	24.0	13,853	14,963	4,300	4,640
Agricultural chemicals	39.2	39.3	10,696	10,867	3,320	3,370
Fertilizer, lime, and soil conditioners	39.0	37.9	13,692	12,899	4,250	4,000
Interest	25.4	27.6	5,702	6,579	1,770	2,040
Taxes	97.0	97.7	6,927	7,320	2,150	2,270
Labor	33.5	31.3	52,352	58,046	16,250	18,000
Fuel	78.8	76.9	7,861	7,836	2,440	2,430
Farm supplies and repairs	75.7	76.9	13,177	14,189	4,090	4,400
Farm improvements and construction	47.3	45.7	10,148	10,771	3,150	3,340
Tractors and self-propelled farm machinery	13.6	12.3	4,381	6,224	1,360	1,930
Other farm machinery	11.8	12.9	2,287	2,677	710	830
Seeds and plants	26.3	28.9	9,794	10,803	3,040	3,350
Trucks and autos	11.8	15.9	2,287	3,225	710	1,000
Miscellaneous capital expenses	7.5	5.1	580	322	180	100
Total farm production expenditures	100.0	100.0	229,929	250,597	71,370	77,710

Farm Production Expenditures Total by Year – West Region: 2013-2017

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

Expenditure	2013	2014	2015	2016	2017
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	3,430	4,470	3,960	2,950	3,410
Feed	12,770	12,570	10,600	9,450	9,870
Farm services	11,720	14,520	12,000	11,250	12,730
Rent	4,520	4,740	4,740	4,300	4,640
Agricultural chemicals	3,010	3,650	3,080	3,320	3,370
Fertilizer, lime, and soil conditioners	4,390	4,980	4,480	4,250	4,000
Interest	1,880	2,080	1,960	1,770	2,040
Taxes	2,170	2,440	2,280	2,150	2,270
Labor	15,100	16,170	14,700	16,250	18,000
Fuel	3,220	3,340	2,480	2,440	2,430
Farm supplies and repairs	4,560	5,020	4,320	4,090	4,400
Farm improvements and construction	3,620	4,020	3,810	3,150	3,340
Tractors and self-propelled farm machinery	1,760	2,010	1,820	1,360	1,930
Other farm machinery	810	1,000	860	710	830
Seeds and plants	3,160	2,920	2,750	3,040	3,350
Trucks and autos	810	1,140	880	710	1,000
Miscellaneous capital expenses	160	190	200	180	100
Total farm production expenditures	77,090	85,260	74,920	71,370	77,710

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	18.1	24.1	9,648	9,728	740	750
Feed	28.2	32.5	51,239	46,044	3,930	3,550
Farm services	95.2	96.8	74,967	86,252	5,750	6,650
Rent	17.4	18.0	24,641	27,237	1,890	2,100
Agricultural chemicals	55.9	51.9	23,990	23,735	1,840	1,830
Fertilizer, lime, and soil conditioners	59.1	49.7	28,031	24,125	2,150	1,860
Interest	22.3	29.4	7,953	11,933	610	920
Taxes	100.0	100.0	13,299	15,305	1,020	1,180
Labor	57.1	46.6	128,814	147,341	9,880	11,360
Fuel	82.1	73.0	14,602	12,970	1,120	1,000
Farm supplies and repairs	80.4	76.1	20,600	23,865	1,580	1,840
Farm improvements and construction	38.8	43.4	15,776	18,158	1,210	1,400
Tractors and self-propelled farm machinery	8.4	11.4	4,302	7,134	330	550
Other farm machinery	8.3	10.0	2,347	2,983	180	230
Seeds and plants	33.3	34.5	22,816	24,254	1,750	1,870
Trucks and autos	9.1	12.2	2,477	3,632	190	280
Miscellaneous capital expenses	4.2	2.8	391	130	30	10
Total farm production expenditures	100.0	100.0	445,893	484,825	34,200	37,380

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2016 and 2017

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

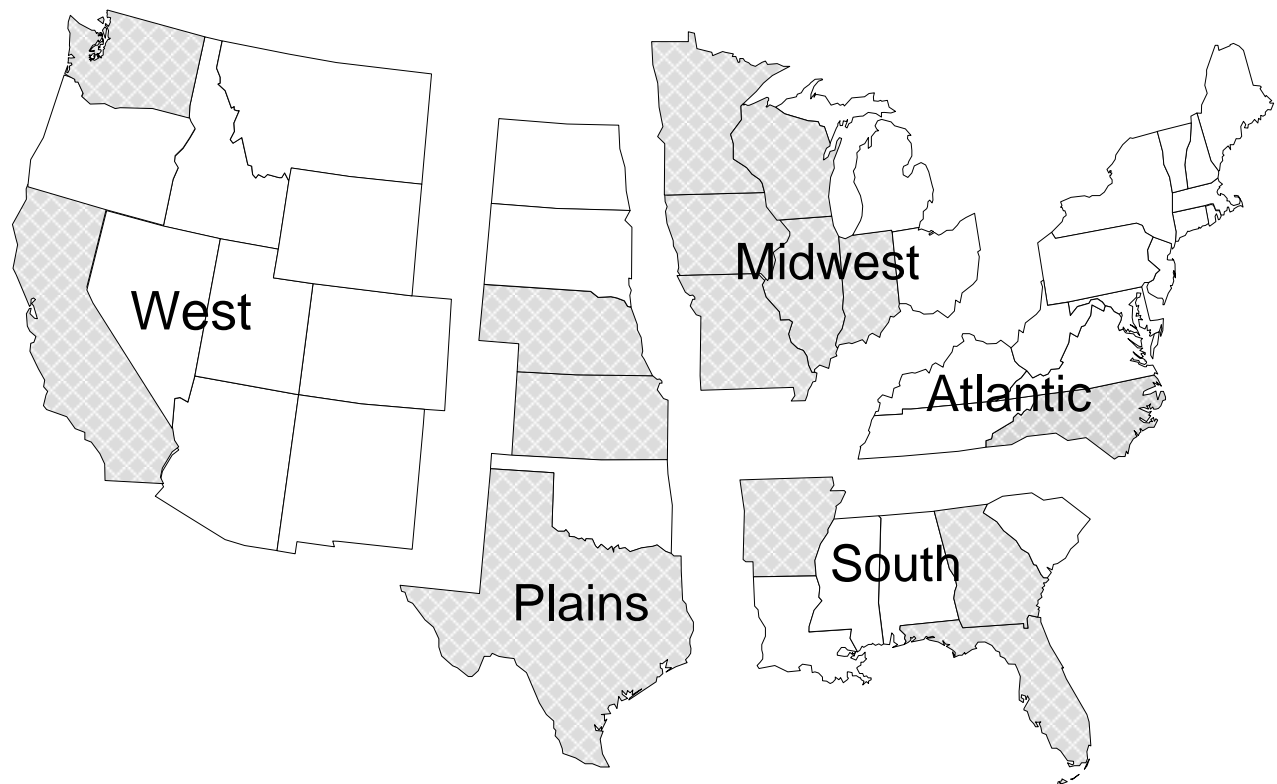
Expenditure	Farms reporting		Average per farm		Total expenditures	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	27.0	21.4	2,786	14,846	100	530
Feed	54.6	54.5	23,120	32,213	830	1,150
Farm services	86.4	82.2	39,554	37,255	1,420	1,330
Rent	22.6	18.6	16,156	15,406	580	550
Agricultural chemicals	38.2	34.8	12,256	13,165	440	470
Fertilizer, lime, and soil conditioners	42.3	35.7	13,928	11,485	500	410
Interest	27.8	30.4	5,571	4,762	200	170
Taxes	100.0	100.0	6,685	5,882	240	210
Labor	30.7	27.3	57,660	57,143	2,070	2,040
Fuel	81.0	75.1	6,407	5,322	230	190
Farm supplies and repairs	79.9	79.6	14,485	12,325	520	440
Farm improvements and construction	49.4	50.1	8,635	8,964	310	320
Tractors and self-propelled farm machinery	11.4	12.1	4,178	5,882	150	210
Other farm machinery	16.0	13.1	2,786	2,521	100	90
Seeds and plants	28.0	25.6	8,635	8,403	310	300
Trucks and autos	11.9	11.2	2,507	2,241	90	80
Miscellaneous capital expenses	5.4	2.6	418	280	15	10
Total farm production expenditures	100.0	100.0	225,766	238,095	8,105	8,500

Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry, and related expenses	25.8	29.1	10,667	10,796	2,110	2,130
Feed	58.2	61.8	23,711	26,204	4,690	5,170
Farm services	87.8	91.0	20,627	24,075	4,080	4,750
Rent	26.4	27.3	9,252	10,086	1,830	1,990
Agricultural chemicals	32.9	35.1	5,258	5,423	1,040	1,070
Fertilizer, lime, & soil conditioners	30.6	33.7	8,089	8,768	1,600	1,730
Interest	26.1	26.4	4,853	4,815	960	950
Taxes	95.4	96.3	4,499	4,460	890	880
Labor	24.9	26.1	21,739	23,315	4,300	4,600
Fuel	77.2	78.7	5,511	6,285	1,090	1,240
Farm supplies and repairs	73.1	76.7	10,061	10,745	1,990	2,120
Farm improvements and construction	50.1	45.8	8,241	8,211	1,630	1,620
Tractors and self-propelled farm machinery	16.0	12.7	4,449	5,930	880	1,170
Other farm machinery	12.4	14.0	2,174	2,585	430	510
Seeds and plants	23.2	27.3	4,954	5,981	980	1,180
Trucks and autos	12.9	18.2	2,174	3,244	430	640
Miscellaneous capital expenses	9.2	6.5	683	405	135	80
Total farm production expenditures	100.0	100.0	146,941	161,328	29,065	31,830

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 3 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 Phase 2 - 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 around 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 which allows 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 2017 Agricultural Resource Management Survey

Publication: *Farm Production Expenditures 2017 Summary* was released on August 2, 2018. This publication is released early in August each year.

Data Collection: The Agricultural Resource Management Survey (ARMS Phase 3) was conducted January through April of 2018.

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 2017 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 2017 sample was 34,598 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 2017, there was only one COP commodity: Wheat. The States involved for this year were:

Wheat: Arizona, California, Colorado, Idaho, Illinois, Kansas, Michigan, Minnesota, Missouri, Montana, Nebraska, North Dakota, Ohio, Oklahoma, Oregon, South Dakota, Texas, Washington

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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- 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.

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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