



United States  
Department of  
Agriculture

National  
Agricultural  
Statistics  
Service



ISSN: 1949-0895

# Farm Production Expenditures 2015 Summary

## August 2016

# USDA





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## 2015 United States Total Farm Production Expenditure Highlights

**Farm Production Expenditures in the United States** are estimated at \$362.8 billion for 2015, down from \$397.6 billion in 2014. The 2015 total farm production expenditures are down 8.8 percent compared with 2014 total farm production expenditures. All but two expenditure items decreased from the previous year.

The four largest expenditures at the United States level total \$177.3 billion and account for 48.9 percent of total expenditures in 2015. These include feed, 16.1 percent, livestock, poultry and related expenses, 12.5 percent, farm services, 11.5 percent, and labor, 8.8 percent.

In 2015, the United States total farm expenditure average per farm is \$176,181 down 8.0 percent from \$191,500 in 2014. On average, United States farm operations spent \$28,408 on feed, \$22,047 on livestock, poultry and related expenses, \$20,202 on farm services, and \$15,443 on labor. For 2014, United States farms spent an average of \$30,680 on feed, \$21,818 on farm services, \$21,722 on livestock, poultry and related expenses, and \$16,472 on labor.

Total fuel expense is \$12.3 billion. Diesel, the largest sub component, is \$8.0 billion, accounting for 65.0 percent. Diesel expenditures are down 24.5 percent from the previous year. Gasoline is \$2.3 billion, down 25.8 percent. LP gas is \$1.4 billion, down 34.1 percent. Other fuel is \$650 million, down 31.6 percent.

The United States economic sales class contributing most to the 2015 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$119.2 billion, 32.8 percent of the United States total, down 11.8 percent from the 2014 level of \$135.1 billion. The next highest is the \$5,000,000 and Over class with \$81.3 billion, down from \$102.0 billion in 2014.

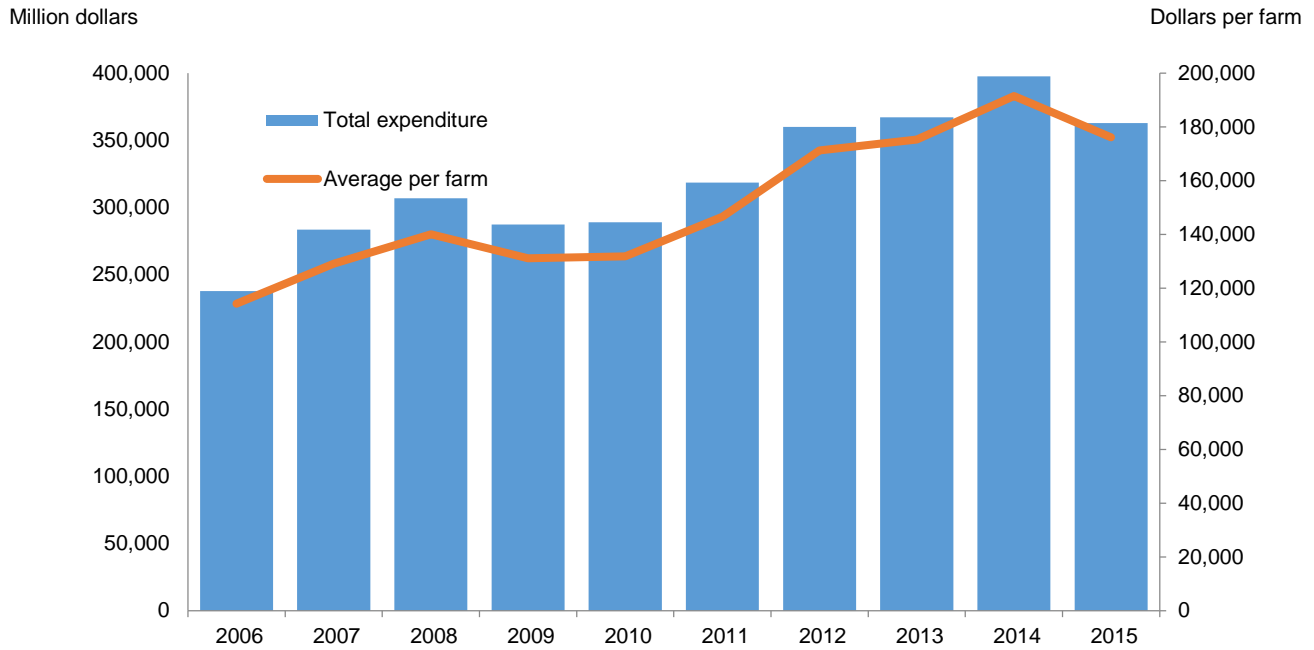
In 2015, crop farms expenditures decreased to \$180.3 billion, down 10.9 percent, while livestock farms expenditures decreased to \$182.6 billion, down 6.6 percent. The largest expenditures for crop farms are rent at \$25.4 billion (14.1 percent of total), farm services at \$23.9 billion (13.3 percent), and labor at \$22.6 billion (12.5 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$52.8 billion, accounting for 29.3 percent of crop farms total expenses. The largest expenditures for livestock farms are feed at \$57.1 billion (31.3 percent of total), livestock, poultry and related expenses at \$43.2 billion (23.7 percent), and farm services at \$17.7 billion (9.7 percent). Together, these line items account for 64.7 percent of livestock farms total expenses. The average total expenditure for a crop farm is \$189,710 compared to \$164,591 per livestock farm.

The Midwest region contributed the most to United States total expenditures with expenses of \$113.1 billion (31.2 percent), down from \$124.0 billion in 2014. The other regions, ranked by total expenditures, are Plains at \$93.5 billion (25.8 percent), West at \$74.9 billion (20.6 percent), Atlantic at \$44.2 billion (12.2 percent), and South at \$37.1 billion (10.2 percent). The Midwest decreased \$11.0 billion from 2014, which is the largest regional decrease.

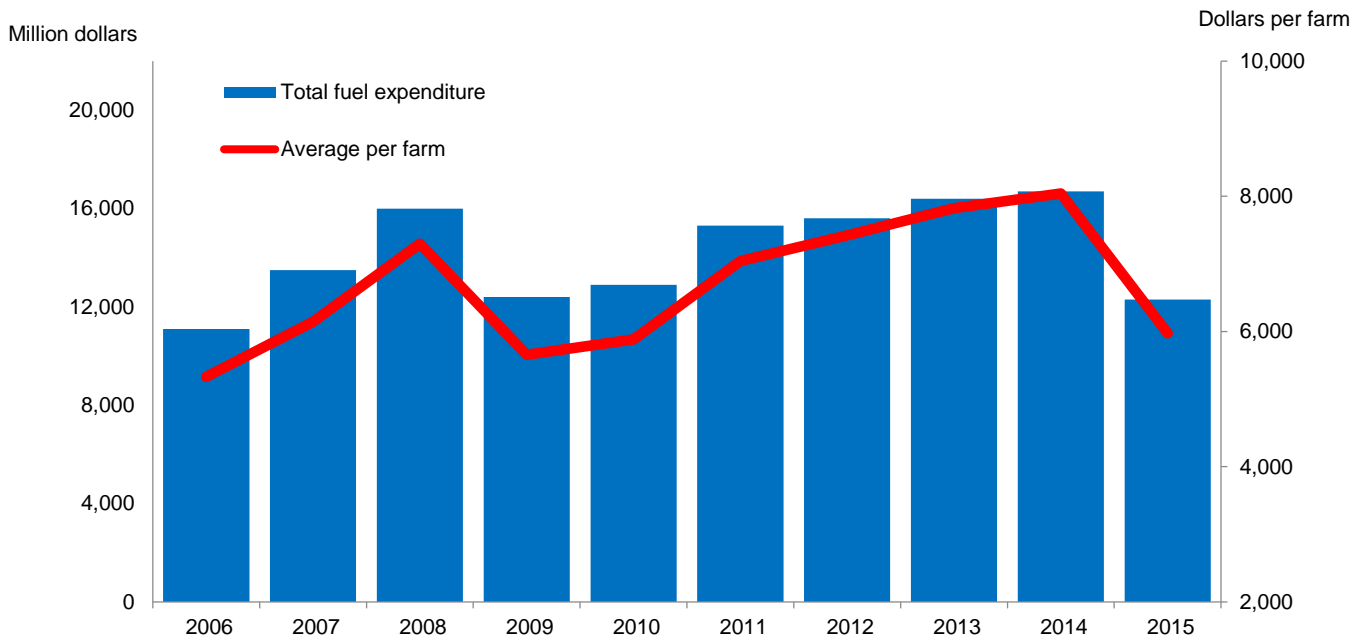
Combined total expenditures for the 15 estimate states is \$238.1 billion in 2015 (65.6 percent of the United States total expenditures) and \$257.9 billion in 2014 (64.9 percent). California contributed most to the 2015 United States total expenditures, with expenses of \$35.5 billion, (9.8 percent). California expenditures are down 12.6 percent from the 2014 estimate of \$40.7 billion. Iowa, the next leading state, has \$27.8 billion in expenses, (7.6 percent). Other states with more than \$20 billion in total expenditures are Texas with \$24.1 billion, Nebraska with \$22.7 billion, and Kansas with \$20.2 billion.

For further information on USDA farm expenditures, please visit [http://www.nass.usda.gov/Statistics\\_by\\_Subject/index.php](http://www.nass.usda.gov/Statistics_by_Subject/index.php).

## Farm Production Expenditures, Total and Average Per Farm by Year - United States: 2006-2015



## Fuel Expenditure, Total and Average Per Farm by Year – United States: 2006-2015



## Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2014 and 2015

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

Expenditure	2014		2015	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry and related expenses .....	45,100	11.3	45,400	12.5
Feed .....	63,700	16.0	58,500	16.1
Farm services .....	45,300	11.4	41,600	11.5
Rent .....	32,600	8.2	31,000	8.5
Agricultural chemicals .....	15,800	4.0	14,600	4.0
Fertilizer, lime and soil conditioners .....	28,000	7.0	25,500	7.0
Interest .....	9,700	2.4	9,500	2.6
Taxes .....	13,600	3.4	12,800	3.5
Labor .....	34,200	8.6	31,800	8.8
Fuel .....	16,700	4.2	12,300	3.4
Farm supplies and repairs .....	19,900	5.0	18,700	5.2
Farm improvements and construction .....	18,200	4.6	16,100	4.4
Tractors and self-propelled farm machinery .....	16,900	4.3	11,900	3.3
Other farm machinery .....	9,000	2.3	6,100	1.7
Seeds and plants .....	22,100	5.6	21,300	5.9
Trucks and autos .....	6,200	1.6	5,000	1.4
Miscellaneous capital expenses .....	600	0.2	700	0.2
Total farm production expenditures .....	397,600	100.0	362,800	100.0

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.7	25.3	21,722	22,047	45,100	45,400
Feed .....	53.3	56.8	30,680	28,408	63,700	58,500
Farm services .....	90.1	92.3	21,818	20,202	45,300	41,600
Rent .....	28.7	29.4	15,701	15,054	32,600	31,000
Agricultural chemicals .....	39.8	41.6	7,610	7,090	15,800	14,600
Fertilizer, lime and soil conditioners .....	50.1	51.4	13,486	12,383	28,000	25,500
Interest .....	32.4	32.7	4,672	4,613	9,700	9,500
Taxes .....	99.8	99.5	6,550	6,216	13,600	12,800
Labor .....	25.7	27.4	16,472	15,443	34,200	31,800
Fuel .....	82.0	85.1	8,043	5,973	16,700	12,300
Farm supplies and repairs .....	78.7	80.7	9,585	9,081	19,900	18,700
Farm improvements and construction .....	49.7	50.9	8,766	7,818	18,200	16,100
Tractors and self-propelled farm machinery .....	16.5	14.5	8,140	5,779	16,900	11,900
Other farm machinery .....	17.9	16.3	4,335	2,962	9,000	6,100
Seeds and plants .....	39.9	39.2	10,644	10,344	22,100	21,300
Trucks and autos .....	15.1	13.3	2,986	2,428	6,200	5,000
Miscellaneous capital expenses .....	1.8	4.9	289	340	600	700
Total farm production expenditures .....	100.0	100.0	191,500	176,181	397,600	362,800

## Farm Production Expenditures by Year – United States: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	28,600	33,500	34,200	45,100	45,400
Feed .....	54,600	60,500	62,400	63,700	58,500
Farm services .....	37,100	41,100	39,000	45,300	41,600
Rent .....	26,300	29,700	31,400	32,600	31,000
Agricultural chemicals .....	11,800	14,000	14,600	15,800	14,600
Fertilizer, lime and soil conditioners .....	25,100	28,800	28,300	28,000	25,500
Interest .....	9,800	8,400	8,700	9,700	9,500
Taxes .....	11,300	11,500	11,700	13,600	12,800
Labor .....	26,800	31,800	32,000	34,200	31,800
Fuel .....	15,300	15,600	16,400	16,700	12,300
Farm supplies and repairs .....	16,300	18,200	18,700	19,900	18,700
Farm improvements and construction .....	14,300	15,600	16,600	18,200	16,100
Tractors and self-propelled farm machinery .....	12,500	17,000	17,100	16,900	11,900
Other farm machinery .....	6,400	8,000	8,800	9,000	6,100
Seeds and plants .....	17,800	20,900	21,900	22,100	21,300
Trucks and autos .....	4,370	5,000	4,990	6,200	5,000
Miscellaneous capital expenses .....	280	500	480	600	700
Total farm production expenditures .....	318,650	360,100	367,270	397,600	362,800

## Farm Production Expenditures by Percent of Total – United States: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry and related expenses .....	9.0	9.3	9.3	11.3	12.5
Feed .....	17.1	16.8	17.0	16.0	16.1
Farm services .....	11.6	11.4	10.6	11.4	11.5
Rent .....	8.3	8.2	8.5	8.2	8.5
Agricultural chemicals .....	3.7	3.9	4.0	4.0	4.0
Fertilizer, lime and soil conditioners .....	7.9	8.0	7.7	7.0	7.0
Interest .....	3.1	2.3	2.4	2.4	2.6
Taxes .....	3.5	3.2	3.2	3.4	3.5
Labor .....	8.4	8.8	8.7	8.6	8.8
Fuel .....	4.8	4.3	4.5	4.2	3.4
Farm supplies and repairs .....	5.1	5.1	5.1	5.0	5.2
Farm improvements and construction .....	4.5	4.3	4.5	4.6	4.4
Tractors and self-propelled farm machinery .....	3.9	4.7	4.7	4.3	3.3
Other farm machinery .....	2.0	2.2	2.4	2.3	1.7
Seeds and plants .....	5.6	5.8	6.0	5.6	5.9
Trucks and autos .....	1.4	1.4	1.4	1.6	1.4
Miscellaneous capital expenses .....	0.1	0.1	0.1	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: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	8.4	9.5	2,424	2,315	2,300	2,200
Feed .....	17.2	20.9	1,687	1,473	1,600	1,400
Farm services .....	86.4	89.1	28,250	25,154	26,800	23,900
Rent .....	31.5	31.8	28,250	26,733	26,800	25,400
Agricultural chemicals .....	50.9	53.6	14,757	13,630	14,000	12,950
Fertilizer, lime and soil conditioners .....	61.2	60.7	24,455	22,418	23,200	21,300
Interest .....	34.1	35.0	5,481	5,368	5,200	5,100
Taxes .....	99.9	99.8	8,749	8,420	8,300	8,000
Labor .....	29.5	30.5	25,404	23,786	24,100	22,600
Fuel .....	78.1	80.4	11,068	7,894	10,500	7,500
Farm supplies and repairs .....	74.3	75.9	12,544	11,472	11,900	10,900
Farm improvements and construction .....	46.6	46.7	9,592	7,999	9,100	7,600
Tractors and self-propelled farm machinery .....	16.5	13.6	11,173	7,157	10,600	6,800
Other farm machinery .....	19.0	15.5	5,798	3,842	5,500	3,650
Seeds and plants .....	54.2	51.9	20,028	19,471	19,000	18,500
Trucks and autos .....	13.8	12.2	3,110	2,263	2,950	2,150
Miscellaneous capital expenses .....	1.8	4.1	379	316	360	300
Total farm production expenditures .....	100.0	100.0	213,150	189,710	202,210	180,250

## Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	38.4	38.7	37,958	38,950	42,800	43,200
Feed .....	83.6	87.6	55,074	51,483	62,100	57,100
Farm services .....	93.2	95.0	16,407	15,959	18,500	17,700
Rent .....	26.4	27.4	5,144	5,049	5,800	5,600
Agricultural chemicals .....	30.5	31.2	1,596	1,488	1,800	1,650
Fertilizer, lime and soil conditioners .....	40.9	43.4	4,257	3,787	4,800	4,200
Interest .....	31.0	30.7	3,991	3,967	4,500	4,400
Taxes .....	99.7	99.3	4,700	4,328	5,300	4,800
Labor .....	22.5	24.6	8,957	8,295	10,100	9,200
Fuel .....	85.3	89.1	5,499	4,328	6,200	4,800
Farm supplies and repairs .....	82.4	84.9	7,095	7,033	8,000	7,800
Farm improvements and construction .....	52.2	54.4	8,070	7,664	9,100	8,500
Tractors and self-propelled farm machinery .....	16.5	15.2	5,587	4,598	6,300	5,100
Other farm machinery .....	17.0	16.9	3,104	2,209	3,500	2,450
Seeds and plants .....	27.8	28.3	2,749	2,525	3,100	2,800
Trucks and autos .....	16.1	14.2	2,882	2,570	3,250	2,850
Miscellaneous capital expenses .....	1.8	5.7	213	361	240	400
Total farm production expenditures .....	100.0	100.0	173,285	164,591	195,390	182,550

## Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2014 and 2015

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

Expenditure	Percent of total		Average per farm		Total expenditures	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000 .....	4.2	4.3	15,771	15,180	16,570	15,650
\$10,000 - \$49,999 .....	4.4	4.5	38,291	36,542	17,400	16,470
\$50,000 - \$99,999 .....	3.7	4.2	88,990	89,761	14,670	15,210
\$100,000 - \$249,999 .....	6.4	7.1	175,206	178,330	25,340	25,840
\$250,000 - \$499,999 .....	9.0	9.5	369,164	354,090	35,820	34,630
\$500,000 - \$999,999 .....	12.7	15.0	691,898	663,264	50,640	54,580
\$1,000,000 - \$4,999,999 .....	34.0	32.8	1,644,396	1,600,967	135,120	119,160
\$5,000,000 and over .....	25.7	22.4	10,936,763	9,308,133	102,040	81,260
Total farm production expenditures .....	100.0	100.0	191,500	176,181	397,600	362,800

## Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	17.3	17.5	409	456	430	470
Feed .....	51.6	56.7	1,513	1,484	1,590	1,530
Farm services .....	83.4	86.9	2,113	2,047	2,220	2,110
Rent .....	9.1	10.2	200	223	210	230
Agricultural chemicals .....	20.8	22.3	124	116	130	120
Fertilizer, lime and soil conditioners .....	30.4	32.3	362	446	380	460
Interest .....	18.8	18.1	961	892	1,010	920
Taxes .....	99.7	99.3	2,208	2,018	2,320	2,080
Labor .....	12.7	14.8	543	466	570	480
Fuel .....	71.7	76.2	780	660	820	680
Farm supplies and repairs .....	66.7	69.7	1,123	1,009	1,180	1,040
Farm improvements and construction .....	38.6	39.1	2,008	2,279	2,110	2,350
Tractors and self-propelled farm machinery .....	10.5	10.4	1,618	1,416	1,700	1,460
Other farm machinery .....	8.5	8.4	466	349	490	360
Seeds and plants .....	21.0	18.9	209	165	220	170
Trucks and autos .....	9.7	8.9	1,104	999	1,160	1,030
Miscellaneous capital expenses .....	0.7	2.8	29	155	30	160
Total farm production expenditures .....	100.0	100.0	15,771	15,180	16,570	15,650

## Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.1	25.0	1,915	2,063	870	930
Feed .....	57.4	60.6	2,861	2,951	1,300	1,330
Farm services .....	93.3	95.4	5,017	5,081	2,280	2,290
Rent .....	26.8	28.7	1,166	1,265	530	570
Agricultural chemicals .....	38.5	40.5	726	710	330	320
Fertilizer, lime and soil conditioners .....	55.7	56.0	2,113	2,108	960	950
Interest .....	27.4	27.1	1,606	1,509	730	680
Taxes .....	99.8	99.4	3,609	3,284	1,640	1,480
Labor .....	21.9	24.2	1,628	1,620	740	730
Fuel .....	86.7	89.1	2,223	1,997	1,010	900
Farm supplies and repairs .....	84.3	85.0	2,773	3,151	1,260	1,420
Farm improvements and construction .....	50.2	54.2	4,401	3,439	2,000	1,550
Tractors and self-propelled farm machinery .....	15.6	13.1	3,367	2,995	1,530	1,350
Other farm machinery .....	17.2	14.1	1,452	976	660	440
Seeds and plants .....	39.0	40.3	1,254	1,087	570	490
Trucks and autos .....	13.7	12.8	2,091	1,997	950	900
Miscellaneous capital expenses .....	1.5	5.8	88	311	40	140
Total farm production expenditures .....	100.0	100.0	38,291	36,542	17,400	16,470

## Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	31.8	31.3	4,792	5,724	790	970
Feed .....	52.9	54.9	5,156	5,016	850	850
Farm services .....	99.2	99.0	11,708	11,626	1,930	1,970
Rent .....	51.3	47.0	5,581	6,315	920	1,070
Agricultural chemicals .....	60.0	61.0	2,730	2,951	450	500
Fertilizer, lime and soil conditioners .....	74.2	73.7	7,158	7,554	1,180	1,280
Interest .....	45.4	45.0	3,033	3,246	500	550
Taxes .....	100.0	99.8	6,309	5,842	1,040	990
Labor .....	37.7	38.0	5,096	4,898	840	830
Fuel .....	93.6	94.9	5,399	4,603	890	780
Farm supplies and repairs .....	93.0	93.4	6,491	6,610	1,070	1,120
Farm improvements and construction .....	59.9	62.1	6,430	7,436	1,060	1,260
Tractors and self-propelled farm machinery .....	21.0	17.1	6,612	5,960	1,090	1,010
Other farm machinery .....	25.7	23.0	3,458	2,833	570	480
Seeds and plants .....	63.4	60.3	5,156	5,901	850	1,000
Trucks and autos .....	19.9	17.6	3,579	2,715	590	460
Miscellaneous capital expenses .....	3.2	7.4	303	531	50	90
Total farm production expenditures .....	100.0	100.0	88,990	89,761	14,670	15,210

**Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015**

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	34.6	36.0	8,504	9,938	1,230	1,440
Feed .....	51.5	51.8	10,786	10,904	1,560	1,580
Farm services .....	99.8	99.7	22,264	22,774	3,220	3,300
Rent .....	64.4	64.2	16,317	16,425	2,360	2,380
Agricultural chemicals .....	76.4	77.1	8,090	9,248	1,170	1,340
Fertilizer, lime and soil conditioners .....	84.5	86.9	16,525	18,081	2,390	2,620
Interest .....	55.6	59.5	5,324	5,728	770	830
Taxes .....	100.0	99.8	9,334	9,179	1,350	1,330
Labor .....	43.3	43.9	11,408	12,560	1,650	1,820
Fuel .....	97.4	97.8	9,887	7,937	1,430	1,150
Farm supplies and repairs .....	96.0	97.5	12,100	12,422	1,750	1,800
Farm improvements and construction .....	67.0	66.2	10,440	9,248	1,510	1,340
Tractors and self-propelled farm machinery .....	22.7	19.5	10,440	9,317	1,510	1,350
Other farm machinery .....	31.8	31.1	6,292	5,659	910	820
Seeds and plants .....	74.8	79.7	12,446	14,493	1,800	2,100
Trucks and autos .....	22.3	18.4	4,702	3,934	680	570
Miscellaneous capital expenses .....	3.7	7.0	346	483	50	70
Total farm production expenditures .....	100.0	100.0	175,206	178,330	25,340	25,840

**Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015**

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	39.5	41.8	22,364	29,652	2,170	2,900
Feed .....	52.3	54.5	25,765	29,141	2,500	2,850
Farm services .....	100.0	100.0	45,862	43,456	4,450	4,250
Rent .....	76.6	76.6	41,018	40,389	3,980	3,950
Agricultural chemicals .....	83.4	85.3	18,654	19,121	1,810	1,870
Fertilizer, lime and soil conditioners .....	88.9	86.7	37,411	34,867	3,630	3,410
Interest .....	68.8	69.5	11,131	11,452	1,080	1,120
Taxes .....	100.0	99.9	15,974	16,155	1,550	1,580
Labor .....	54.0	54.3	23,498	23,006	2,280	2,250
Fuel .....	99.3	99.7	19,479	14,110	1,890	1,380
Farm supplies and repairs .....	98.0	98.9	22,983	21,268	2,230	2,080
Farm improvements and construction .....	72.0	70.4	17,520	13,497	1,700	1,320
Tractors and self-propelled farm machinery .....	29.1	22.5	19,891	14,519	1,930	1,420
Other farm machinery .....	39.4	34.6	11,337	8,589	1,100	840
Seeds and plants .....	84.7	81.9	29,166	28,937	2,830	2,830
Trucks and autos .....	26.5	21.6	6,493	5,215	630	510
Miscellaneous capital expenses .....	4.1	8.2	618	716	60	70
Total farm production expenditures .....	100.0	100.0	369,164	354,090	35,820	34,630

## Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	41.7	41.6	49,324	57,844	3,610	4,760
Feed .....	51.0	49.9	72,414	62,705	5,300	5,160
Farm services .....	100.0	100.0	77,879	75,951	5,700	6,250
Rent .....	79.0	78.0	84,711	87,131	6,200	7,170
Agricultural chemicals .....	86.1	88.8	36,617	37,550	2,680	3,090
Fertilizer, lime and soil conditioners .....	85.8	88.8	66,676	65,379	4,880	5,380
Interest .....	75.4	81.0	17,215	18,228	1,260	1,500
Taxes .....	100.0	100.0	23,774	21,874	1,740	1,800
Labor .....	68.6	66.9	45,361	48,973	3,320	4,030
Fuel .....	99.5	99.7	32,108	25,884	2,350	2,130
Farm supplies and repairs .....	99.2	99.5	35,934	36,943	2,630	3,040
Farm improvements and construction .....	78.1	74.6	31,015	25,884	2,270	2,130
Tractors and self-propelled farm machinery .....	35.7	29.6	35,934	21,995	2,630	1,810
Other farm machinery .....	45.0	38.6	20,221	13,124	1,480	1,080
Seeds and plants .....	83.8	83.6	53,013	56,143	3,880	4,620
Trucks and autos .....	30.0	26.2	8,608	6,927	630	570
Miscellaneous capital expenses .....	5.2	9.5	1,093	729	80	60
Total farm production expenditures .....	100.0	100.0	691,898	663,264	50,640	54,580

## Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	50.0	57.1	170,378	188,231	14,000	14,010
Feed .....	57.1	60.8	279,908	327,825	23,000	24,400
Farm services .....	100.0	100.0	183,765	180,035	15,100	13,400
Rent .....	76.0	73.2	175,246	163,912	14,400	12,200
Agricultural chemicals .....	87.9	86.8	77,887	72,014	6,400	5,360
Fertilizer, lime and soil conditioners .....	82.6	77.7	129,001	118,232	10,600	8,800
Interest .....	80.7	80.2	34,684	37,619	2,850	2,800
Taxes .....	100.0	100.0	37,362	35,201	3,070	2,620
Labor .....	79.7	77.2	137,520	137,042	11,300	10,200
Fuel .....	99.6	99.4	66,934	49,577	5,500	3,690
Farm supplies and repairs .....	99.0	99.4	74,236	67,983	6,100	5,060
Farm improvements and construction .....	81.6	82.4	55,251	51,055	4,540	3,800
Tractors and self-propelled farm machinery .....	42.5	33.6	64,500	37,754	5,300	2,810
Other farm machinery .....	48.4	41.4	35,779	22,303	2,940	1,660
Seeds and plants .....	81.3	77.0	104,661	101,438	8,600	7,550
Trucks and autos .....	37.5	28.2	15,334	9,539	1,260	710
Miscellaneous capital expenses .....	4.9	9.0	1,947	1,209	160	90
Total farm production expenditures .....	100.0	100.0	1,644,396	1,600,967	135,120	119,160

## Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	54.6	53.1	2,357,985	2,281,787	22,000	19,920
Feed .....	64.2	61.1	2,958,199	2,382,589	27,600	20,800
Farm services .....	100.0	100.0	1,114,684	919,817	10,400	8,030
Rent .....	66.7	70.9	428,725	392,898	4,000	3,430
Agricultural chemicals .....	82.5	81.9	303,323	229,095	2,830	2,000
Fertilizer, lime and soil conditioners .....	79.0	75.3	426,581	297,824	3,980	2,600
Interest .....	83.2	77.9	160,772	126,002	1,500	1,100
Taxes .....	100.0	100.0	95,391	105,384	890	920
Labor .....	92.9	95.2	1,446,945	1,312,715	13,500	11,460
Fuel .....	98.8	99.6	301,179	182,131	2,810	1,590
Farm supplies and repairs .....	98.6	99.9	394,427	359,679	3,680	3,140
Farm improvements and construction .....	84.6	86.9	322,615	269,187	3,010	2,350
Tractors and self-propelled farm machinery .....	51.6	38.5	129,689	79,038	1,210	690
Other farm machinery .....	48.3	40.8	91,104	48,110	850	420
Seeds and plants .....	76.2	74.5	359,057	290,951	3,350	2,540
Trucks and autos .....	44.0	42.5	32,154	28,637	300	250
Miscellaneous capital expenses .....	8.2	9.5	13,934	2,291	130	20
Total farm production expenditures .....	100.0	100.0	10,936,763	9,308,133	102,040	81,260

## Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms .....	10,500	7,500	6,900	5,200	1,800	1,250	1,050	580	750	470
Livestock farms .....	6,200	4,800	3,700	2,800	1,300	1,050	1,000	770	200	180

Economic class	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000 .....	820	680	430	380	300	240	60	40	30	20
\$10,000 - \$49,999 .....	1,010	900	600	550	330	280	60	50	20	20
\$50,000 - \$99,999 .....	890	780	560	500	240	200	70	50	20	30
\$100,000 - \$249,999 .....	1,430	1,150	930	770	340	250	130	90	30	40
\$250,000 - \$499,999 .....	1,890	1,380	1,280	970	340	250	210	120	60	40
\$500,000 - \$999,999 .....	2,350	2,130	1,570	1,500	390	320	310	240	80	70
\$1,000,000 - \$4,999,999 .....	5,500	3,690	3,540	2,310	770	540	880	590	310	250
\$5,000,000 and over .....	2,810	1,590	1,690	1,020	390	220	330	170	400	180

Region	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic .....	2,190	1,650	1,260	980	430	320	360	230	140	120
South .....	1,970	1,560	1,280	990	350	290	280	230	60	50
Midwest .....	5,100	3,660	3,230	2,390	730	530	960	570	180	170
Plains .....	4,100	2,950	2,660	2,000	840	600	250	160	350	190
West .....	3,340	2,480	2,170	1,640	750	560	200	160	220	120
United States .....	16,700	12,300	10,600	8,000	3,100	2,300	2,050	1,350	950	650

## Farm Production Expenditures – Region, State, and United States: 2014 and 2015

[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			
	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>						
North Carolina .....	11,400	10,520	2,040	2,090	17.9	19.9
Other States .....	36,790	33,670	2,560	2,060	7.0	6.1
Total .....	48,190	44,190	4,600	4,150	9.5	9.4
<b>South</b>						
Arkansas .....	8,585	8,230	860	740	10.0	9.0
Florida .....	6,715	5,790	140	140	2.1	2.4
Georgia .....	8,045	7,590	880	870	10.9	11.5
Other States .....	17,155	15,470	1,870	1,430	10.9	9.2
Total .....	40,500	37,080	3,750	3,180	9.3	8.6
<b>Midwest</b>						
Illinois .....	18,895	17,860	680	870	3.6	4.9
Indiana .....	11,020	10,400	380	570	3.4	5.5
Iowa .....	31,920	27,750	5,500	5,120	17.2	18.5
Minnesota .....	19,185	17,330	1,720	1,650	9.0	9.5
Missouri .....	10,575	10,600	910	1,210	8.6	11.4
Wisconsin .....	13,035	10,910	480	450	3.7	4.1
Other States .....	19,400	18,230	930	980	4.8	5.4
Total .....	124,030	113,080	10,600	10,850	8.5	9.6
<b>Plains</b>						
Kansas .....	19,110	20,230	6,900	7,770	36.1	38.4
Nebraska .....	22,170	22,740	5,800	6,770	26.2	29.8
Texas .....	27,235	24,140	5,470	5,720	20.1	23.7
Other States .....	31,105	26,420	3,510	3,000	11.3	11.4
Total .....	99,620	93,530	21,680	23,260	21.8	24.9
<b>West</b>						
California .....	40,650	35,540	1,200	730	3.0	2.1
Washington .....	9,315	8,420	240	180	2.6	2.1
Other States .....	35,295	30,960	3,030	3,050	8.6	9.9
Total .....	85,260	74,920	4,470	3,960	5.2	5.3
<b>United States .....</b>	<b>397,600</b>	<b>362,800</b>	<b>45,100</b>	<b>45,400</b>	<b>11.3</b>	<b>12.5</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>								
North Carolina .....	4,050	3,470	35.5	33.0	1,010	890	8.9	8.5
Other States .....	6,580	6,580	17.9	19.5	4,280	3,930	11.6	11.7
Total .....	10,630	10,050	22.1	22.7	5,290	4,820	11.0	10.9
<b>South</b>								
Arkansas .....	2,220	2,260	25.9	27.5	750	810	8.7	9.8
Florida .....	520	410	7.7	7.1	940	700	14.0	12.1
Georgia .....	2,640	2,270	32.8	29.9	830	860	10.3	11.3
Other States .....	4,610	3,810	26.9	24.6	1,910	1,810	11.1	11.7
Total .....	9,990	8,750	24.7	23.6	4,430	4,180	10.9	11.3
<b>Midwest</b>								
Illinois .....	1,200	1,370	6.4	7.7	1,610	1,710	8.5	9.6
Indiana .....	1,110	1,410	10.1	13.6	990	1,030	9.0	9.9
Iowa .....	6,210	5,190	19.5	18.7	2,690	2,310	8.4	8.3
Minnesota .....	2,860	2,640	14.9	15.2	1,950	1,790	10.2	10.3
Missouri .....	1,260	1,620	11.9	15.3	940	990	8.9	9.3
Wisconsin .....	2,350	1,880	18.0	17.2	1,620	1,530	12.4	14.0
Other States .....	2,570	2,840	13.2	15.6	2,030	2,110	10.5	11.6
Total .....	17,560	16,950	14.2	15.0	11,830	11,470	9.5	10.1
<b>Plains</b>								
Kansas .....	2,720	3,250	14.2	16.1	1,290	1,400	6.8	6.9
Nebraska .....	2,170	2,650	9.8	11.7	1,850	1,910	8.3	8.4
Texas .....	5,310	4,460	19.5	18.5	2,900	2,670	10.6	11.1
Other States .....	2,750	1,790	8.8	6.8	3,190	3,150	10.3	11.9
Total .....	12,950	12,150	13.0	13.0	9,230	9,130	9.3	9.8
<b>West</b>								
California .....	4,750	4,050	11.7	11.4	8,210	6,490	20.2	18.3
Washington .....	920	750	9.9	8.9	1,710	1,590	18.4	18.9
Other States .....	6,900	5,800	19.5	18.7	4,600	3,920	13.0	12.7
Total .....	12,570	10,600	14.7	14.1	14,520	12,000	17.0	16.0
<b>United States .....</b>	<b>63,700</b>	<b>58,500</b>	<b>16.0</b>	<b>16.1</b>	<b>45,300</b>	<b>41,600</b>	<b>11.4</b>	<b>11.5</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>								
North Carolina .....	280	270	2.5	2.6	330	320	2.9	3.0
Other States .....	1,530	1,460	4.2	4.3	990	870	2.7	2.6
Total .....	1,810	1,730	3.8	3.9	1,320	1,190	2.7	2.7
<b>South</b>								
Arkansas .....	800	730	9.3	8.9	490	400	5.7	4.9
Florida .....	160	150	2.4	2.6	480	360	7.1	6.2
Georgia .....	250	240	3.1	3.2	390	320	4.8	4.2
Other States .....	870	950	5.1	6.1	850	760	5.0	4.9
Total .....	2,080	2,070	5.1	5.6	2,210	1,840	5.5	5.0
<b>Midwest</b>								
Illinois .....	4,100	3,810	21.7	21.3	1,130	1,110	6.0	6.2
Indiana .....	1,670	1,540	15.2	14.8	550	500	5.0	4.8
Iowa .....	4,180	3,970	13.1	14.3	1,080	990	3.4	3.6
Minnesota .....	2,290	2,110	11.9	12.2	680	690	3.5	4.0
Missouri .....	1,270	1,090	12.0	10.3	540	500	5.1	4.7
Wisconsin .....	680	590	5.2	5.4	340	320	2.6	2.9
Other States .....	1,520	1,270	7.8	7.0	760	730	3.9	4.0
Total .....	15,710	14,380	12.7	12.7	5,080	4,840	4.1	4.3
<b>Plains</b>								
Kansas .....	1,400	1,470	7.3	7.3	670	730	3.5	3.6
Nebraska .....	2,610	2,590	11.8	11.4	760	770	3.4	3.4
Texas .....	1,200	1,020	4.4	4.2	650	600	2.4	2.5
Other States .....	3,050	3,000	9.8	11.4	1,460	1,550	4.7	5.9
Total .....	8,260	8,080	8.3	8.6	3,540	3,650	3.6	3.9
<b>West</b>								
California .....	2,150	2,120	5.3	6.0	2,080	1,650	5.1	4.6
Washington .....	610	670	6.5	8.0	490	450	5.3	5.3
Other States .....	1,980	1,950	5.6	6.3	1,080	980	3.1	3.2
Total .....	4,740	4,740	5.6	6.3	3,650	3,080	4.3	4.1
<b>United States .....</b>	<b>32,600</b>	<b>31,000</b>	<b>8.2</b>	<b>8.5</b>	<b>15,800</b>	<b>14,600</b>	<b>4.0</b>	<b>4.0</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014 (million dollars)	2015 (million dollars)	2014 (percent of total)	2015 (percent of total)	2014 (million dollars)	2015 (million dollars)	2014 (percent of total)	2015 (percent of total)
<b>Atlantic</b>								
North Carolina .....	520	470	4.6	4.5	140	160	1.2	1.5
Other States .....	2,100	1,820	5.7	5.4	980	920	2.7	2.7
Total .....	2,620	2,290	5.4	5.2	1,120	1,080	2.3	2.4
<b>South</b>								
Arkansas .....	560	480	6.5	5.8	160	200	1.9	2.4
Florida .....	580	480	8.6	8.3	120	120	1.8	2.1
Georgia .....	510	470	6.3	6.2	180	180	2.2	2.4
Other States .....	950	990	5.5	6.4	300	290	1.7	1.9
Total .....	2,600	2,420	6.4	6.5	760	790	1.9	2.1
<b>Midwest</b>								
Illinois .....	2,210	2,210	11.7	12.4	440	460	2.3	2.6
Indiana .....	1,290	1,200	11.7	11.5	320	330	2.9	3.2
Iowa .....	2,300	2,040	7.2	7.4	760	740	2.4	2.7
Minnesota .....	1,620	1,650	8.4	9.5	570	570	3.0	3.3
Missouri .....	910	930	8.6	8.8	360	350	3.4	3.3
Wisconsin .....	890	780	6.8	7.1	440	430	3.4	3.9
Other States .....	1,640	1,500	8.5	8.2	560	530	2.9	2.9
Total .....	10,860	10,310	8.8	9.1	3,450	3,410	2.8	3.0
<b>Plains</b>								
Kansas .....	1,150	1,030	6.0	5.1	330	380	1.7	1.9
Nebraska .....	1,580	1,430	7.1	6.3	470	480	2.1	2.1
Texas .....	1,340	940	4.9	3.9	510	410	1.9	1.7
Other States .....	2,870	2,600	9.2	9.8	980	990	3.2	3.7
Total .....	6,940	6,000	7.0	6.4	2,290	2,260	2.3	2.4
<b>West</b>								
California .....	2,350	2,060	5.8	5.8	970	830	2.4	2.3
Washington .....	720	560	7.7	6.7	230	260	2.5	3.1
Other States .....	1,910	1,860	5.4	6.0	880	870	2.5	2.8
Total .....	4,980	4,480	5.8	6.0	2,080	1,960	2.4	2.6
<b>United States .....</b>	<b>28,000</b>	<b>25,500</b>	<b>7.0</b>	<b>7.0</b>	<b>9,700</b>	<b>9,500</b>	<b>2.4</b>	<b>2.6</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>								
North Carolina .....	260	210	2.3	2.0	740	750	6.5	7.1
Other States .....	1,710	1,490	4.6	4.4	3,770	3,410	10.2	10.1
Total .....	1,970	1,700	4.1	3.8	4,510	4,160	9.4	9.4
<b>South</b>								
Arkansas .....	170	160	2.0	1.9	300	380	3.5	4.6
Florida .....	200	210	3.0	3.6	1,840	1,710	27.4	29.5
Georgia .....	170	180	2.1	2.4	510	540	6.3	7.1
Other States .....	360	350	2.1	2.3	810	920	4.7	5.9
Total .....	900	900	2.2	2.4	3,460	3,550	8.5	9.6
<b>Midwest</b>								
Illinois .....	710	610	3.8	3.4	510	600	2.7	3.4
Indiana .....	520	480	4.7	4.6	510	410	4.6	3.9
Iowa .....	960	830	3.0	3.0	910	700	2.9	2.5
Minnesota .....	720	690	3.8	4.0	610	660	3.2	3.8
Missouri .....	410	310	3.9	2.9	450	350	4.3	3.3
Wisconsin .....	510	450	3.9	4.1	1,040	880	8.0	8.1
Other States .....	930	900	4.8	4.9	1,560	1,720	8.0	9.4
Total .....	4,760	4,270	3.8	3.8	5,590	5,320	4.5	4.7
<b>Plains</b>								
Kansas .....	470	600	2.5	3.0	600	580	3.1	2.9
Nebraska .....	1,060	1,210	4.8	5.3	630	710	2.8	3.1
Texas .....	1,000	930	3.7	3.9	1,980	2,060	7.3	8.5
Other States .....	1,000	910	3.2	3.4	1,260	720	4.1	2.7
Total .....	3,530	3,650	3.5	3.9	4,470	4,070	4.5	4.4
<b>West</b>								
California .....	1,050	1,080	2.6	3.0	9,720	9,240	23.9	26.0
Washington .....	290	230	3.1	2.7	1,870	1,840	20.1	21.9
Other States .....	1,100	970	3.1	3.1	4,580	3,620	13.0	11.7
Total .....	2,440	2,280	2.9	3.0	16,170	14,700	19.0	19.6
<b>United States .....</b>	<b>13,600</b>	<b>12,800</b>	<b>3.4</b>	<b>3.5</b>	<b>34,200</b>	<b>31,800</b>	<b>8.6</b>	<b>8.8</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014 (million dollars)	2015 (million dollars)	2014 (percent of total)	2015 (percent of total)	2014 (million dollars)	2015 (million dollars)	2014 (percent of total)	2015 (percent of total)
<b>Atlantic</b>								
North Carolina .....	410	340	3.6	3.2	380	360	3.3	3.4
Other States .....	1,780	1,310	4.8	3.9	2,620	2,550	7.1	7.6
<b>Total .....</b>	<b>2,190</b>	<b>1,650</b>	<b>4.5</b>	<b>3.7</b>	<b>3,000</b>	<b>2,910</b>	<b>6.2</b>	<b>6.6</b>
<b>South</b>								
Arkansas .....	530	410	6.2	5.0	340	350	4.0	4.3
Florida .....	300	210	4.5	3.6	420	350	6.3	6.0
Georgia .....	340	290	4.2	3.8	310	290	3.9	3.8
Other States .....	800	650	4.7	4.2	770	830	4.5	5.4
<b>Total .....</b>	<b>1,970</b>	<b>1,560</b>	<b>4.9</b>	<b>4.2</b>	<b>1,840</b>	<b>1,820</b>	<b>4.5</b>	<b>4.9</b>
<b>Midwest</b>								
Illinois .....	780	580	4.1	3.2	720	760	3.8	4.3
Indiana .....	490	340	4.4	3.3	490	500	4.4	4.8
Iowa .....	970	690	3.0	2.5	1,040	1,050	3.3	3.8
Minnesota .....	900	600	4.7	3.5	950	870	5.0	5.0
Missouri .....	520	390	4.9	3.7	510	530	4.8	5.0
Wisconsin .....	570	380	4.4	3.5	850	800	6.5	7.3
Other States .....	870	680	4.5	3.7	1,220	1,030	6.3	5.7
<b>Total .....</b>	<b>5,100</b>	<b>3,660</b>	<b>4.1</b>	<b>3.2</b>	<b>5,780</b>	<b>5,540</b>	<b>4.7</b>	<b>4.9</b>
<b>Plains</b>								
Kansas .....	580	470	3.0	2.3	620	620	3.2	3.1
Nebraska .....	820	540	3.7	2.4	900	820	4.1	3.6
Texas .....	1,210	800	4.4	3.3	1,120	1,050	4.1	4.3
Other States .....	1,490	1,140	4.8	4.3	1,620	1,620	5.2	6.1
<b>Total .....</b>	<b>4,100</b>	<b>2,950</b>	<b>4.1</b>	<b>3.2</b>	<b>4,260</b>	<b>4,110</b>	<b>4.3</b>	<b>4.4</b>
<b>West</b>								
California .....	1,330	1,140	3.3	3.2	2,250	1,780	5.5	5.0
Washington .....	360	220	3.9	2.6	580	510	6.2	6.1
Other States .....	1,650	1,120	4.7	3.6	2,190	2,030	6.2	6.6
<b>Total .....</b>	<b>3,340</b>	<b>2,480</b>	<b>3.9</b>	<b>3.3</b>	<b>5,020</b>	<b>4,320</b>	<b>5.9</b>	<b>5.8</b>
<b>United States .....</b>	<b>16,700</b>	<b>12,300</b>	<b>4.2</b>	<b>3.4</b>	<b>19,900</b>	<b>18,700</b>	<b>5.0</b>	<b>5.2</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014 (million dollars)	2015 (million dollars)	2014 (percent of total)	2015 (percent of total)	2014 (million dollars)	2015 (million dollars)	2014 (percent of total)	2015 (percent of total)
<b>Atlantic</b>								
North Carolina .....	310	290	2.7	2.8	310	310	2.7	2.9
Other States .....	2,390	2,130	6.5	6.3	1,810	1,810	4.9	5.4
Total .....	2,700	2,420	5.6	5.5	2,120	2,120	4.4	4.8
<b>South</b>								
Arkansas .....	250	260	2.9	3.2	340	300	4.0	3.6
Florida .....	240	210	3.6	3.6	140	100	2.1	1.7
Georgia .....	200	230	2.5	3.0	300	250	3.7	3.3
Other States .....	600	630	3.5	4.1	1,020	730	5.9	4.7
Total .....	1,290	1,330	3.2	3.6	1,800	1,380	4.4	3.7
<b>Midwest</b>								
Illinois .....	750	620	4.0	3.5	1,170	600	6.2	3.4
Indiana .....	530	520	4.8	5.0	660	300	6.0	2.9
Iowa .....	1,270	880	4.0	3.2	920	610	2.9	2.2
Minnesota .....	1,070	730	5.6	4.2	780	530	4.1	3.1
Missouri .....	600	560	5.7	5.3	600	560	5.7	5.3
Wisconsin .....	1,180	900	9.1	8.2	660	400	5.1	3.7
Other States .....	1,160	1,180	6.0	6.5	1,000	540	5.2	3.0
Total .....	6,560	5,390	5.3	4.8	5,790	3,540	4.7	3.1
<b>Plains</b>								
Kansas .....	330	340	1.7	1.7	780	390	4.1	1.9
Nebraska .....	630	530	2.8	2.3	770	450	3.5	2.0
Texas .....	1,140	830	4.2	3.4	1,470	960	5.4	4.0
Other States .....	1,530	1,450	4.9	5.5	2,160	1,240	6.9	4.7
Total .....	3,630	3,150	3.6	3.4	5,180	3,040	5.2	3.3
<b>West</b>								
California .....	1,820	1,830	4.5	5.1	560	520	1.4	1.5
Washington .....	480	360	5.2	4.3	240	210	2.6	2.5
Other States .....	1,720	1,620	4.9	5.2	1,210	1,090	3.4	3.5
Total .....	4,020	3,810	4.7	5.1	2,010	1,820	2.4	2.4
<b>United States .....</b>	<b>18,200</b>	<b>16,100</b>	<b>4.6</b>	<b>4.4</b>	<b>16,900</b>	<b>11,900</b>	<b>4.3</b>	<b>3.3</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>								
North Carolina .....	110	90	1.0	0.9	380	380	3.3	3.6
Other States .....	1,080	790	2.9	2.3	1,810	1,640	4.9	4.9
Total .....	1,190	880	2.5	2.0	2,190	2,020	4.5	4.6
<b>South</b>								
Arkansas .....	140	120	1.6	1.5	510	490	5.9	6.0
Florida .....	50	50	0.7	0.9	470	490	7.0	8.5
Georgia .....	60	100	0.7	1.3	360	410	4.5	5.4
Other States .....	260	240	1.5	1.6	820	800	4.8	5.2
Total .....	510	510	1.3	1.4	2,160	2,190	5.3	5.9
<b>Midwest</b>								
Illinois .....	640	330	3.4	1.8	1,960	2,030	10.4	11.4
Indiana .....	370	190	3.4	1.8	1,010	950	9.2	9.1
Iowa .....	600	380	1.9	1.4	2,190	2,010	6.9	7.2
Minnesota .....	620	350	3.2	2.0	1,620	1,610	8.4	9.3
Missouri .....	340	290	3.2	2.7	680	660	6.4	6.2
Wisconsin .....	470	310	3.6	2.8	790	670	6.1	6.1
Other States .....	760	400	3.9	2.2	1,580	1,620	8.1	8.9
Total .....	3,800	2,250	3.1	2.0	9,830	9,550	7.9	8.4
<b>Plains</b>								
Kansas .....	380	290	2.0	1.4	690	700	3.6	3.5
Nebraska .....	540	420	2.4	1.8	1,230	1,230	5.5	5.4
Texas .....	440	330	1.6	1.4	860	830	3.2	3.4
Other States .....	1,140	560	3.7	2.1	2,220	2,030	7.1	7.7
Total .....	2,500	1,600	2.5	1.7	5,000	4,790	5.0	5.1
<b>West</b>								
California .....	380	210	0.9	0.6	1,340	1,530	3.3	4.3
Washington .....	100	120	1.1	1.4	370	360	4.0	4.3
Other States .....	520	530	1.5	1.7	1,210	860	3.4	2.8
Total .....	1,000	860	1.2	1.1	2,920	2,750	3.4	3.7
<b>United States .....</b>	<b>9,000</b>	<b>6,100</b>	<b>2.3</b>	<b>1.7</b>	<b>22,100</b>	<b>21,300</b>	<b>5.6</b>	<b>5.9</b>

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## Farm Production Expenditures – Region, State, and United States: 2014 and 2015 (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			
	2014	2015	2014	2015	2014	2015	2014	2015
	(million dollars)	(million dollars)	(percent of total)	(percent of total)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>								
North Carolina .....	120	110	1.1	1.0	10	10	0.1	0.1
Other States .....	740	800	2.0	2.4	60	100	0.2	0.3
Total .....	860	910	1.8	2.1	70	110	0.1	0.2
<b>South</b>								
Arkansas .....	160	130	1.9	1.6	5	10	0.1	0.1
Florida .....	110	90	1.6	1.6	5	10	0.1	0.2
Georgia .....	110	85	1.4	1.1	5	5	0.1	0.1
Other States .....	350	265	2.0	1.7	5	15	(Z)	0.1
Total .....	730	570	1.8	1.5	20	40	(Z)	0.1
<b>Midwest</b>								
Illinois .....	260	160	1.4	0.9	25	30	0.1	0.2
Indiana .....	120	115	1.1	1.1	10	15	0.1	0.1
Iowa .....	300	210	0.9	0.8	40	30	0.1	0.1
Minnesota .....	200	170	1.0	1.0	25	20	0.1	0.1
Missouri .....	260	210	2.5	2.0	15	50	0.1	0.5
Wisconsin .....	130	120	1.0	1.1	35	20	0.3	0.2
Other States .....	260	165	1.3	0.9	50	35	0.3	0.2
Total .....	1,530	1,150	1.2	1.0	200	200	0.2	0.2
<b>Plains</b>								
Kansas .....	190	190	1.0	0.9	10	20	0.1	0.1
Nebraska .....	320	200	1.4	0.9	30	30	0.1	0.1
Texas .....	610	490	2.2	2.0	25	40	0.1	0.2
Other States .....	820	610	2.6	2.3	55	60	0.2	0.2
Total .....	1,940	1,490	1.9	1.6	120	150	0.1	0.2
<b>West</b>								
California .....	410	240	1.0	0.7	80	40	0.2	0.1
Washington .....	80	100	0.9	1.2	25	10	0.3	0.1
Other States .....	650	540	1.8	1.7	85	150	0.2	0.5
Total .....	1,140	880	1.3	1.2	190	200	0.2	0.3
<b>United States .....</b>	<b>6,200</b>	<b>5,000</b>	<b>1.6</b>	<b>1.4</b>	<b>600</b>	<b>700</b>	<b>0.2</b>	<b>0.2</b>

(Z) Less than half of the unit shown.



## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.7	23.5	11,123	10,116	4,600	4,150
Feed .....	59.2	66.0	25,705	24,497	10,630	10,050
Farm services .....	90.6	94.6	12,792	11,749	5,290	4,820
Rent .....	20.8	19.4	4,377	4,217	1,810	1,730
Agricultural chemicals .....	35.0	33.9	3,192	2,901	1,320	1,190
Fertilizer, lime and soil conditioners .....	49.5	51.1	6,336	5,582	2,620	2,290
Interest .....	27.9	28.1	2,708	2,633	1,120	1,080
Taxes .....	99.9	100.0	4,764	4,144	1,970	1,700
Labor .....	22.4	25.6	10,906	10,140	4,510	4,160
Fuel .....	87.5	94.1	5,296	4,022	2,190	1,650
Farm supplies and repairs .....	84.9	90.1	7,254	7,093	3,000	2,910
Farm improvements and construction .....	55.3	51.9	6,529	5,899	2,700	2,420
Tractors and self-propelled farm machinery .....	16.2	16.8	5,126	5,168	2,120	2,120
Other farm machinery .....	17.2	15.7	2,878	2,145	1,190	880
Seeds and plants .....	37.8	34.7	5,296	4,924	2,190	2,020
Trucks and autos .....	13.2	13.1	2,080	2,218	860	910
Miscellaneous capital expenses .....	1.6	4.4	169	268	70	110
Total farm production expenditures .....	100.0	100.0	116,530	107,715	48,190	44,190

## Farm Production Expenditures Total by Year – Atlantic Region: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	3,510	3,970	4,300	4,600	4,150
Feed .....	9,100	10,000	10,810	10,630	10,050
Farm services .....	4,510	4,870	4,400	5,290	4,820
Rent .....	1,280	1,580	1,550	1,810	1,730
Agricultural chemicals .....	1,100	1,230	1,250	1,320	1,190
Fertilizer, lime and soil conditioners .....	2,130	2,470	2,610	2,620	2,290
Interest .....	1,070	980	910	1,120	1,080
Taxes .....	1,740	1,580	1,510	1,970	1,700
Labor .....	3,160	4,290	4,660	4,510	4,160
Fuel .....	1,890	2,060	2,200	2,190	1,650
Farm supplies and repairs .....	2,380	2,670	2,720	3,000	2,910
Farm improvements and construction .....	2,680	2,470	2,460	2,700	2,420
Tractors and self-propelled farm machinery .....	1,460	1,900	2,220	2,120	2,120
Other farm machinery .....	800	890	1,050	1,190	880
Seeds and plants .....	1,650	1,920	1,990	2,190	2,020
Trucks and autos .....	620	580	700	860	910
Miscellaneous capital expenses .....	40	80	80	70	110
Total farm production expenditures .....	39,120	43,540	45,420	48,190	44,190

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.6	24.8	41,212	42,828	2,040	2,090
Feed .....	54.1	60.6	81,818	71,107	4,050	3,470
Farm services .....	91.7	93.7	20,404	18,238	1,010	890
Rent .....	30.2	29.3	5,657	5,533	280	270
Agricultural chemicals .....	49.6	48.1	6,667	6,557	330	320
Fertilizer, lime and soil conditioners .....	62.1	62.3	10,505	9,631	520	470
Interest .....	23.0	28.0	2,828	3,279	140	160
Taxes .....	100.0	100.0	5,253	4,303	260	210
Labor .....	23.9	31.2	14,949	15,369	740	750
Fuel .....	95.4	92.5	8,283	6,967	410	340
Farm supplies and repairs .....	88.0	89.5	7,677	7,377	380	360
Farm improvements and construction .....	51.8	55.8	6,263	5,943	310	290
Tractors and self-propelled farm machinery .....	15.8	16.3	6,263	6,352	310	310
Other farm machinery .....	15.1	14.0	2,222	1,844	110	90
Seeds and plants .....	46.6	46.7	7,677	7,787	380	380
Trucks and autos .....	11.7	13.3	2,424	2,254	120	110
Miscellaneous capital expenses .....	1.1	1.8	202	205	10	10
Total farm production expenditures .....	100.0	100.0	230,303	215,574	11,400	10,520

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.9	23.3	7,032	5,699	2,560	2,060
Feed .....	59.9	66.8	18,075	18,204	6,580	6,580
Farm services .....	90.4	94.7	11,757	10,873	4,280	3,930
Rent .....	19.5	18.1	4,203	4,039	1,530	1,460
Agricultural chemicals .....	33.0	31.9	2,719	2,407	990	870
Fertilizer, lime and soil conditioners .....	47.8	49.6	5,769	5,035	2,100	1,820
Interest .....	28.6	28.2	2,692	2,545	980	920
Taxes .....	99.9	100.0	4,697	4,122	1,710	1,490
Labor .....	22.2	24.8	10,356	9,434	3,770	3,410
Fuel .....	86.4	94.3	4,890	3,624	1,780	1,310
Farm supplies and repairs .....	84.5	90.2	7,197	7,055	2,620	2,550
Farm improvements and construction .....	55.8	51.4	6,565	5,893	2,390	2,130
Tractors and self-propelled farm machinery .....	16.3	16.8	4,972	5,008	1,810	1,810
Other farm machinery .....	17.5	15.9	2,967	2,186	1,080	790
Seeds and plants .....	36.6	33.1	4,972	4,537	1,810	1,640
Trucks and autos .....	13.4	13.1	2,033	2,213	740	800
Miscellaneous capital expenses .....	1.6	4.7	165	277	60	100
Total farm production expenditures .....	100.0	100.0	101,060	93,153	36,790	33,670

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.3	26.1	14,162	12,137	3,750	3,180
Feed .....	59.4	65.3	37,727	33,397	9,990	8,750
Farm services .....	88.4	94.0	16,730	15,954	4,430	4,180
Rent .....	21.4	24.5	7,855	7,901	2,080	2,070
Agricultural chemicals .....	37.4	42.8	8,346	7,023	2,210	1,840
Fertilizer, lime and soil conditioners .....	50.4	59.5	9,819	9,237	2,600	2,420
Interest .....	24.4	25.5	2,870	3,015	760	790
Taxes .....	99.6	98.7	3,399	3,435	900	900
Labor .....	25.4	26.4	13,066	13,550	3,460	3,550
Fuel .....	84.0	90.2	7,440	5,954	1,970	1,560
Farm supplies and repairs .....	76.8	84.7	6,949	6,947	1,840	1,820
Farm improvements and construction .....	40.2	48.3	4,872	5,076	1,290	1,330
Tractors and self-propelled farm machinery .....	16.0	15.1	6,798	5,267	1,800	1,380
Other farm machinery .....	13.1	15.7	1,926	1,947	510	510
Seeds and plants .....	30.0	35.2	8,157	8,359	2,160	2,190
Trucks and autos .....	13.6	14.6	2,757	2,176	730	570
Miscellaneous capital expenses .....	0.9	3.3	76	153	20	40
Total farm production expenditures .....	100.0	100.0	152,946	141,527	40,500	37,080

## Farm Production Expenditures Total by Year – South Region: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	3,300	2,800	2,990	3,750	3,180
Feed .....	10,630	10,090	10,310	9,990	8,750
Farm services .....	4,620	4,490	4,000	4,430	4,180
Rent .....	1,900	1,970	2,150	2,080	2,070
Agricultural chemicals .....	1,870	2,020	1,930	2,210	1,840
Fertilizer, lime and soil conditioners .....	2,370	2,860	2,760	2,600	2,420
Interest .....	860	660	660	760	790
Taxes .....	910	830	750	900	900
Labor .....	3,000	3,630	3,460	3,460	3,550
Fuel .....	1,930	1,900	1,860	1,970	1,560
Farm supplies and repairs .....	1,660	1,700	1,690	1,840	1,820
Farm improvements and construction .....	1,190	1,260	1,230	1,290	1,330
Tractors and self-propelled farm machinery .....	1,180	1,910	1,690	1,800	1,380
Other farm machinery .....	350	520	490	510	510
Seeds and plants .....	1,810	2,050	2,100	2,160	2,190
Trucks and autos .....	500	610	570	730	570
Miscellaneous capital expenses .....	20	30	30	20	40
Total farm production expenditures .....	38,100	39,330	38,670	40,500	37,080

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	31.6	25.8	19,545	17,011	860	740
Feed .....	62.5	65.7	50,455	51,954	2,220	2,260
Farm services .....	90.3	92.1	17,045	18,621	750	810
Rent .....	27.0	26.1	18,182	16,782	800	730
Agricultural chemicals .....	33.5	37.5	11,136	9,195	490	400
Fertilizer, lime and soil conditioners .....	43.4	45.8	12,727	11,034	560	480
Interest .....	35.4	32.4	3,636	4,598	160	200
Taxes .....	100.0	99.2	3,864	3,678	170	160
Labor .....	23.2	25.5	6,818	8,736	300	380
Fuel .....	88.4	88.4	12,045	9,425	530	410
Farm supplies and repairs .....	81.6	81.7	7,727	8,046	340	350
Farm improvements and construction .....	42.7	47.9	5,682	5,977	250	260
Tractors and self-propelled farm machinery .....	20.0	16.0	7,727	6,897	340	300
Other farm machinery .....	16.5	15.2	3,182	2,759	140	120
Seeds and plants .....	23.1	24.7	11,591	11,264	510	490
Trucks and autos .....	18.5	17.0	3,636	2,989	160	130
Miscellaneous capital expenses .....	0.5	4.5	114	230	5	10
Total farm production expenditures .....	100.0	100.0	195,114	189,195	8,585	8,230

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	19.7	24.0	2,941	2,960	140	140
Feed .....	57.2	63.3	10,924	8,668	520	410
Farm services .....	92.5	92.9	19,748	14,799	940	700
Rent .....	17.5	13.6	3,361	3,171	160	150
Agricultural chemicals .....	35.5	39.4	10,084	7,611	480	360
Fertilizer, lime and soil conditioners .....	56.6	60.1	12,185	10,148	580	480
Interest .....	16.1	18.8	2,521	2,537	120	120
Taxes .....	100.0	100.0	4,202	4,440	200	210
Labor .....	28.9	33.0	38,655	36,152	1,840	1,710
Fuel .....	79.4	84.5	6,303	4,440	300	210
Farm supplies and repairs .....	75.8	81.6	8,824	7,400	420	350
Farm improvements and construction .....	38.5	50.9	5,042	4,440	240	210
Tractors and self-propelled farm machinery .....	12.7	9.7	2,941	2,114	140	100
Other farm machinery .....	10.5	7.2	1,050	1,057	50	50
Seeds and plants .....	32.4	28.9	9,874	10,359	470	490
Trucks and autos .....	12.7	9.7	2,311	1,903	110	90
Miscellaneous capital expenses .....	2.0	2.6	105	211	5	10
Total farm production expenditures .....	100.0	100.0	141,071	122,410	6,715	5,790

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.1	27.6	21,411	21,481	880	870
Feed .....	60.1	61.7	64,234	56,049	2,640	2,270
Farm services .....	88.4	89.5	20,195	21,235	830	860
Rent .....	22.9	24.3	6,083	5,926	250	240
Agricultural chemicals .....	47.4	49.6	9,489	7,901	390	320
Fertilizer, lime and soil conditioners .....	51.2	60.3	12,409	11,605	510	470
Interest .....	24.2	30.4	4,380	4,444	180	180
Taxes .....	100.0	100.0	4,136	4,444	170	180
Labor .....	28.9	33.8	12,409	13,333	510	540
Fuel .....	84.3	91.7	8,273	7,160	340	290
Farm supplies and repairs .....	79.0	84.1	7,543	7,160	310	290
Farm improvements and construction .....	41.7	43.5	4,866	5,679	200	230
Tractors and self-propelled farm machinery .....	14.7	13.9	7,299	6,173	300	250
Other farm machinery .....	13.3	13.4	1,460	2,469	60	100
Seeds and plants .....	31.4	34.2	8,759	10,123	360	410
Trucks and autos .....	11.6	7.8	2,676	2,099	110	85
Miscellaneous capital expenses .....	1.1	1.5	122	123	5	5
Total farm production expenditures .....	100.0	100.0	195,742	187,407	8,045	7,590

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	21.5	26.6	14,156	10,941	1,870	1,430
Feed .....	59.0	67.0	34,898	29,151	4,610	3,810
Farm services .....	86.3	96.4	14,459	13,849	1,910	1,810
Rent .....	20.4	28.0	6,586	7,269	870	950
Agricultural chemicals .....	36.3	43.8	6,435	5,815	850	760
Fertilizer, lime & soil conditioners .....	50.3	63.6	7,192	7,575	950	990
Interest .....	23.7	24.1	2,271	2,219	300	290
Taxes .....	99.3	97.7	2,725	2,678	360	350
Labor .....	23.8	21.9	6,132	7,039	810	920
Fuel .....	84.2	92.4	6,056	4,973	800	650
Farm supplies and repairs .....	74.8	86.9	5,829	6,350	770	830
Farm improvements and construction .....	39.5	48.9	4,542	4,820	600	630
Tractors and self-propelled farm machinery .....	16.2	17.2	7,721	5,585	1,020	730
Other farm machinery .....	12.9	19.6	1,968	1,836	260	240
Seeds and plants .....	30.9	41.2	6,207	6,121	820	800
Trucks and autos .....	12.8	17.8	2,650	2,028	350	265
Miscellaneous capital expenses .....	0.5	3.6	38	115	5	15
Total farm production expenditures .....	100.0	100.0	129,864	118,363	17,155	15,470

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.7	22.7	18,043	18,569	10,600	10,850
Feed .....	43.4	44.3	29,889	29,009	17,560	16,950
Farm services .....	90.2	91.4	20,136	19,630	11,830	11,470
Rent .....	35.8	36.7	26,740	24,611	15,710	14,380
Agricultural chemicals .....	49.0	48.7	8,647	8,283	5,080	4,840
Fertilizer, lime and soil conditioners .....	59.0	58.0	18,485	17,645	10,860	10,310
Interest .....	43.0	41.8	5,872	5,836	3,450	3,410
Taxes .....	99.9	100.0	8,102	7,308	4,760	4,270
Labor .....	22.5	21.8	9,515	9,105	5,590	5,320
Fuel .....	82.0	82.1	8,681	6,264	5,100	3,660
Farm supplies and repairs .....	80.1	79.7	9,838	9,481	5,780	5,540
Farm improvements and construction .....	52.2	53.4	11,166	9,225	6,560	5,390
Tractors and self-propelled farm machinery .....	17.4	14.0	9,855	6,059	5,790	3,540
Other farm machinery .....	23.7	19.1	6,468	3,851	3,800	2,250
Seeds and plants .....	56.2	53.6	16,732	16,344	9,830	9,550
Trucks and autos .....	14.9	11.5	2,604	1,968	1,530	1,150
Miscellaneous capital expenses .....	2.1	4.4	340	342	200	200
Total farm production expenditures .....	100.0	100.0	211,115	193,531	124,030	113,080

## Farm Production Expenditures Total by Year – Midwest Region: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	6,230	8,070	8,500	10,600	10,850
Feed .....	12,930	15,220	16,330	17,560	16,950
Farm services .....	9,190	10,630	10,530	11,830	11,470
Rent .....	12,930	14,240	15,360	15,710	14,380
Agricultural chemicals .....	3,910	4,700	5,170	5,080	4,840
Fertilizer, lime and soil conditioners .....	10,830	12,240	11,990	10,860	10,310
Interest .....	3,300	3,070	3,250	3,450	3,410
Taxes .....	3,430	3,830	3,740	4,760	4,270
Labor .....	4,490	5,760	5,000	5,590	5,320
Fuel .....	4,480	4,620	4,900	5,100	3,660
Farm supplies and repairs .....	5,260	5,590	5,700	5,780	5,540
Farm improvements and construction .....	4,650	5,410	5,570	6,560	5,390
Tractors and self-propelled farm machinery .....	4,860	6,570	6,570	5,790	3,540
Other farm machinery .....	2,740	3,510	3,990	3,800	2,250
Seeds and plants .....	8,410	9,720	10,110	9,830	9,550
Trucks and autos .....	1,130	1,460	1,540	1,530	1,150
Miscellaneous capital expenses .....	60	155	150	200	200
Total farm production expenditures .....	98,830	114,795	118,400	124,030	113,080

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	14.2	13.4	9,128	11,821	680	870
Feed .....	27.3	28.6	16,107	18,614	1,200	1,370
Farm services .....	87.1	88.5	21,611	23,234	1,610	1,710
Rent .....	41.0	43.0	55,034	51,766	4,100	3,810
Agricultural chemicals .....	57.2	58.6	15,168	15,082	1,130	1,110
Fertilizer, lime and soil conditioners .....	61.3	61.8	29,664	30,027	2,210	2,210
Interest .....	41.2	40.2	5,906	6,250	440	460
Taxes .....	100.0	100.0	9,530	8,288	710	610
Labor .....	21.9	21.5	6,846	8,152	510	600
Fuel .....	81.1	79.6	10,470	7,880	780	580
Farm supplies and repairs .....	78.1	77.3	9,664	10,326	720	760
Farm improvements and construction .....	47.3	49.3	10,067	8,424	750	620
Tractors and self-propelled farm machinery .....	18.9	15.1	15,705	8,152	1,170	600
Other farm machinery .....	24.6	18.8	8,591	4,484	640	330
Seeds and plants .....	63.0	62.3	26,309	27,582	1,960	2,030
Trucks and autos .....	14.8	12.1	3,490	2,174	260	160
Miscellaneous capital expenses .....	2.1	4.1	336	408	25	30
Total farm production expenditures .....	100.0	100.0	253,624	242,663	18,895	17,860

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	26.3	20.4	6,529	9,879	380	570
Feed .....	43.8	45.2	19,072	24,437	1,110	1,410
Farm services .....	83.2	88.4	17,010	17,851	990	1,030
Rent .....	35.1	32.7	28,694	26,690	1,670	1,540
Agricultural chemicals .....	49.1	44.0	9,450	8,666	550	500
Fertilizer, lime and soil conditioners .....	59.1	58.2	22,165	20,797	1,290	1,200
Interest .....	46.4	48.7	5,498	5,719	320	330
Taxes .....	100.0	100.0	8,935	8,319	520	480
Labor .....	19.9	22.6	8,763	7,106	510	410
Fuel .....	74.3	82.0	8,419	5,893	490	340
Farm supplies and repairs .....	74.6	78.5	8,419	8,666	490	500
Farm improvements and construction .....	47.9	54.9	9,107	9,012	530	520
Tractors and self-propelled farm machinery .....	14.7	12.0	11,340	5,199	660	300
Other farm machinery .....	20.2	15.7	6,357	3,293	370	190
Seeds and plants .....	56.8	52.7	17,354	16,464	1,010	950
Trucks and autos .....	11.5	11.0	2,062	1,993	120	115
Miscellaneous capital expenses .....	1.8	3.1	172	260	10	15
Total farm production expenditures .....	100.0	100.0	189,347	180,243	11,020	10,400

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.6	27.4	62,500	58,514	5,500	5,120
Feed .....	41.5	39.2	70,568	59,314	6,210	5,190
Farm services .....	97.0	98.7	30,568	26,400	2,690	2,310
Rent .....	45.6	46.8	47,500	45,371	4,180	3,970
Agricultural chemicals .....	60.7	61.8	12,273	11,314	1,080	990
Fertilizer, lime and soil conditioners .....	64.3	63.4	26,136	23,314	2,300	2,040
Interest .....	48.9	48.3	8,636	8,457	760	740
Taxes .....	100.0	100.0	10,909	9,486	960	830
Labor .....	26.1	27.2	10,341	8,000	910	700
Fuel .....	81.8	78.0	11,023	7,886	970	690
Farm supplies and repairs .....	77.7	75.9	11,818	12,000	1,040	1,050
Farm improvements and construction .....	57.5	55.4	14,432	10,057	1,270	880
Tractors and self-propelled farm machinery .....	16.6	14.3	10,455	6,971	920	610
Other farm machinery .....	24.2	19.1	6,818	4,343	600	380
Seeds and plants .....	65.5	64.2	24,886	22,971	2,190	2,010
Trucks and autos .....	17.9	13.6	3,409	2,400	300	210
Miscellaneous capital expenses .....	2.5	4.3	455	343	40	30
Total farm production expenditures .....	100.0	100.0	362,727	317,143	31,920	27,750

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.6	25.3	23,243	22,418	1,720	1,650
Feed .....	39.1	40.6	38,649	35,870	2,860	2,640
Farm services .....	93.6	96.0	26,351	24,321	1,950	1,790
Rent .....	41.7	41.0	30,946	28,668	2,290	2,110
Agricultural chemicals .....	51.3	54.7	9,189	9,375	680	690
Fertilizer, lime and soil conditioners .....	57.6	56.7	21,892	22,418	1,620	1,650
Interest .....	45.0	43.1	7,703	7,745	570	570
Taxes .....	100.0	100.0	9,730	9,375	720	690
Labor .....	27.5	25.1	8,243	8,967	610	660
Fuel .....	85.4	79.9	12,162	8,152	900	600
Farm supplies and repairs .....	82.2	78.3	12,838	11,821	950	870
Farm improvements and construction .....	53.9	59.1	14,459	9,918	1,070	730
Tractors and self-propelled farm machinery .....	19.7	14.7	10,541	7,201	780	530
Other farm machinery .....	27.1	23.2	8,378	4,755	620	350
Seeds and plants .....	60.6	58.9	21,892	21,875	1,620	1,610
Trucks and autos .....	16.3	14.2	2,703	2,310	200	170
Miscellaneous capital expenses .....	1.8	4.5	338	272	25	20
Total farm production expenditures .....	100.0	100.0	259,257	235,462	19,185	17,330



## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.8	27.6	9,314	12,461	910	1,210
Feed .....	55.6	60.6	12,897	16,684	1,260	1,620
Farm services .....	84.8	90.3	9,621	10,196	940	990
Rent .....	23.8	27.5	12,999	11,226	1,270	1,090
Agricultural chemicals .....	33.2	35.8	5,527	5,149	540	500
Fertilizer, lime and soil conditioners .....	50.5	55.1	9,314	9,578	910	930
Interest .....	37.5	37.1	3,685	3,605	360	350
Taxes .....	100.0	100.0	4,197	3,193	410	310
Labor .....	17.3	17.2	4,606	3,605	450	350
Fuel .....	78.2	81.1	5,322	4,016	520	390
Farm supplies and repairs .....	76.6	80.7	5,220	5,458	510	530
Farm improvements and construction .....	47.9	50.1	6,141	5,767	600	560
Tractors and self-propelled farm machinery .....	17.4	13.3	6,141	5,767	600	560
Other farm machinery .....	18.9	16.4	3,480	2,987	340	290
Seeds and plants .....	33.0	34.8	6,960	6,797	680	660
Trucks and autos .....	19.4	12.8	2,661	2,163	260	210
Miscellaneous capital expenses .....	1.4	6.9	154	515	15	50
Total farm production expenditures .....	100.0	100.0	108,240	109,166	10,575	10,600

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	28.9	27.3	6,957	6,531	480	450
Feed .....	57.3	51.5	34,058	27,286	2,350	1,880
Farm services .....	94.7	93.9	23,478	22,206	1,620	1,530
Rent .....	34.3	34.1	9,855	8,563	680	590
Agricultural chemicals .....	49.2	50.6	4,928	4,644	340	320
Fertilizer, lime and soil conditioners .....	61.3	59.5	12,899	11,321	890	780
Interest .....	45.7	41.1	6,377	6,241	440	430
Taxes .....	100.0	100.0	7,391	6,531	510	450
Labor .....	24.7	19.7	15,072	12,772	1,040	880
Fuel .....	86.4	88.5	8,261	5,515	570	380
Farm supplies and repairs .....	87.3	82.8	12,319	11,611	850	800
Farm improvements and construction .....	55.3	52.9	17,101	13,062	1,180	900
Tractors and self-propelled farm machinery .....	15.9	15.5	9,565	5,806	660	400
Other farm machinery .....	25.4	21.4	6,812	4,499	470	310
Seeds and plants .....	62.4	58.1	11,449	9,724	790	670
Trucks and autos .....	12.1	11.9	1,884	1,742	130	120
Miscellaneous capital expenses .....	2.0	5.3	507	290	35	20
Total farm production expenditures .....	100.0	100.0	188,913	158,345	13,035	10,910

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.8	18.1	7,375	7,784	930	980
Feed .....	39.4	42.1	20,381	22,558	2,570	2,840
Farm services .....	90.0	86.1	16,098	16,759	2,030	2,110
Rent .....	32.9	33.6	12,054	10,087	1,520	1,270
Agricultural chemicals .....	47.0	41.4	6,027	5,798	760	730
Fertilizer, lime and soil conditioners .....	60.2	54.3	13,006	11,914	1,640	1,500
Interest .....	39.9	38.4	4,441	4,210	560	530
Taxes .....	99.6	100.0	7,375	7,149	930	900
Labor .....	21.6	20.5	12,371	13,662	1,560	1,720
Fuel .....	84.9	85.0	6,899	5,401	870	680
Farm supplies and repairs .....	83.0	82.7	9,675	8,181	1,220	1,030
Farm improvements and construction .....	54.1	53.2	9,199	9,373	1,160	1,180
Tractors and self-propelled farm machinery .....	17.8	13.5	7,930	4,289	1,000	540
Other farm machinery .....	25.1	19.2	6,027	3,177	760	400
Seeds and plants .....	57.3	50.4	12,530	12,867	1,580	1,620
Trucks and autos .....	11.5	7.2	2,062	1,311	260	165
Miscellaneous capital expenses .....	2.6	2.7	397	278	50	35
Total farm production expenditures .....	100.0	100.0	153,846	144,797	19,400	18,230

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.8	27.9	43,604	47,431	21,680	23,260
Feed .....	58.5	62.7	26,046	24,776	12,950	12,150
Farm services .....	89.7	90.0	18,564	18,617	9,230	9,130
Rent .....	32.9	34.6	16,613	16,476	8,260	8,080
Agricultural chemicals .....	37.3	42.1	7,120	7,443	3,540	3,650
Fertilizer, lime and soil conditioners .....	44.9	45.3	13,958	12,235	6,940	6,000
Interest .....	31.1	31.4	4,606	4,608	2,290	2,260
Taxes .....	99.9	100.0	7,100	7,443	3,530	3,650
Labor .....	26.3	29.5	8,990	8,299	4,470	4,070
Fuel .....	79.4	80.7	8,246	6,015	4,100	2,950
Farm supplies and repairs .....	75.9	75.6	8,568	8,381	4,260	4,110
Farm improvements and construction .....	47.6	49.2	7,301	6,423	3,630	3,150
Tractors and self-propelled farm machinery .....	19.0	14.9	10,418	6,199	5,180	3,040
Other farm machinery .....	17.6	16.4	5,028	3,263	2,500	1,600
Seeds and plants .....	33.5	34.9	10,056	9,768	5,000	4,790
Trucks and autos .....	18.0	15.3	3,902	3,038	1,940	1,490
Miscellaneous capital expenses .....	1.8	5.4	241	306	120	150
Total farm production expenditures .....	100.0	100.0	200,362	190,722	99,620	93,530

## Farm Production Expenditures Total by Year – Plains Region: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	12,220	15,610	14,980	21,680	23,260
Feed .....	9,910	13,110	12,180	12,950	12,150
Farm services .....	7,750	9,090	8,350	9,230	9,130
Rent .....	6,130	7,430	7,820	8,260	8,080
Agricultural chemicals .....	2,440	3,170	3,240	3,540	3,650
Fertilizer, lime and soil conditioners .....	5,770	6,930	6,550	6,940	6,000
Interest .....	2,410	1,910	2,000	2,290	2,260
Taxes .....	3,030	3,000	3,530	3,530	3,650
Labor .....	3,740	4,100	3,780	4,470	4,070
Fuel .....	3,880	3,900	4,220	4,100	2,950
Farm supplies and repairs .....	3,510	4,090	4,030	4,260	4,110
Farm improvements and construction .....	3,300	3,630	3,720	3,630	3,150
Tractors and self-propelled farm machinery .....	3,230	4,600	4,860	5,180	3,040
Other farm machinery .....	1,620	2,260	2,460	2,500	1,600
Seeds and plants .....	3,650	4,550	4,540	5,000	4,790
Trucks and autos .....	1,220	1,570	1,370	1,940	1,490
Miscellaneous capital expenses .....	20	65	60	120	150
Total farm production expenditures .....	73,830	89,015	87,690	99,620	93,530

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	27.2	24.6	113,115	128,642	6,900	7,770
Feed .....	50.6	45.7	44,590	53,808	2,720	3,250
Farm services .....	89.6	79.8	21,148	23,179	1,290	1,400
Rent .....	42.5	45.2	22,951	24,338	1,400	1,470
Agricultural chemicals .....	50.7	61.7	10,984	12,086	670	730
Fertilizer, lime and soil conditioners .....	57.6	52.6	18,852	17,053	1,150	1,030
Interest .....	41.6	36.8	5,410	6,291	330	380
Taxes .....	100.0	100.0	7,705	9,934	470	600
Labor .....	21.9	24.8	9,836	9,603	600	580
Fuel .....	78.1	69.8	9,508	7,781	580	470
Farm supplies and repairs .....	75.4	64.4	10,164	10,265	620	620
Farm improvements and construction .....	45.1	39.0	5,410	5,629	330	340
Tractors and self-propelled farm machinery .....	18.0	10.5	12,787	6,457	780	390
Other farm machinery .....	21.6	16.5	6,230	4,801	380	290
Seeds and plants .....	49.0	44.0	11,311	11,589	690	700
Trucks and autos .....	17.3	15.6	3,115	3,146	190	190
Miscellaneous capital expenses .....	1.5	4.0	164	331	10	20
Total farm production expenditures .....	100.0	100.0	313,279	334,934	19,110	20,230

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	29.4	28.8	118,126	139,014	5,800	6,770
Feed .....	44.9	43.6	44,196	54,415	2,170	2,650
Farm services .....	92.3	92.5	37,678	39,220	1,850	1,910
Rent .....	52.3	55.3	53,157	53,183	2,610	2,590
Agricultural chemicals .....	60.6	63.1	15,479	15,811	760	770
Fertilizer, lime and soil conditioners .....	61.3	62.1	32,179	29,363	1,580	1,430
Interest .....	53.0	50.8	9,572	9,856	470	480
Taxes .....	99.3	100.0	21,589	24,846	1,060	1,210
Labor .....	36.2	30.7	12,831	14,579	630	710
Fuel .....	79.7	80.0	16,701	11,088	820	540
Farm supplies and repairs .....	79.2	79.9	18,330	16,838	900	820
Farm improvements and construction .....	53.0	48.6	12,831	10,883	630	530
Tractors and self-propelled farm machinery .....	21.1	11.3	15,682	9,240	770	450
Other farm machinery .....	27.7	20.5	10,998	8,624	540	420
Seeds and plants .....	61.9	64.5	25,051	25,257	1,230	1,230
Trucks and autos .....	24.9	19.1	6,517	4,107	320	200
Miscellaneous capital expenses .....	3.4	6.8	611	616	30	30
Total farm production expenditures .....	100.0	100.0	451,527	466,940	22,170	22,740

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.8	24.2	22,281	23,636	5,470	5,720
Feed .....	64.7	72.8	21,629	18,430	5,310	4,460
Farm services .....	90.7	93.2	11,813	11,033	2,900	2,670
Rent .....	22.7	24.1	4,888	4,215	1,200	1,020
Agricultural chemicals .....	27.0	29.3	2,648	2,479	650	600
Fertilizer, lime and soil conditioners .....	39.6	41.4	5,458	3,884	1,340	940
Interest .....	17.5	16.7	2,077	1,694	510	410
Taxes .....	100.0	100.0	4,073	3,843	1,000	930
Labor .....	25.0	28.9	8,065	8,512	1,980	2,060
Fuel .....	80.0	84.2	4,929	3,306	1,210	800
Farm supplies and repairs .....	74.4	78.7	4,562	4,339	1,120	1,050
Farm improvements and construction .....	44.2	46.1	4,644	3,430	1,140	830
Tractors and self-propelled farm machinery .....	17.1	14.2	5,988	3,967	1,470	960
Other farm machinery .....	12.2	10.5	1,792	1,364	440	330
Seeds and plants .....	23.3	25.4	3,503	3,430	860	830
Trucks and autos .....	13.6	9.4	2,485	2,025	610	490
Miscellaneous capital expenses .....	1.2	4.4	102	165	25	40
Total farm production expenditures .....	100.0	100.0	110,937	99,752	27,235	24,140

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	27.6	35.6	24,788	21,536	3,510	3,000
Feed .....	55.8	59.2	19,421	12,850	2,750	1,790
Farm services .....	87.1	88.1	22,528	22,613	3,190	3,150
Rent .....	39.8	40.9	21,540	21,536	3,050	3,000
Agricultural chemicals .....	41.3	48.6	10,311	11,127	1,460	1,550
Fertilizer, lime & soil conditioners .....	42.9	43.1	20,268	18,665	2,870	2,600
Interest .....	42.6	48.0	6,921	7,107	980	990
Taxes .....	99.9	100.0	7,062	6,533	1,000	910
Labor .....	27.1	32.1	8,898	5,169	1,260	720
Fuel .....	78.8	79.7	10,523	8,184	1,490	1,140
Farm supplies and repairs .....	77.6	73.7	11,441	11,630	1,620	1,620
Farm improvements and construction .....	52.6	59.4	10,805	10,409	1,530	1,450
Tractors and self-propelled farm machinery .....	22.0	19.3	15,254	8,902	2,160	1,240
Other farm machinery .....	21.6	25.1	8,051	4,020	1,140	560
Seeds and plants .....	34.7	36.9	15,678	14,573	2,220	2,030
Trucks and autos .....	23.7	24.2	5,791	4,379	820	610
Miscellaneous capital expenses .....	2.3	7.4	388	431	55	60
Total farm production expenditures .....	100.0	100.0	219,668	189,663	31,105	26,420

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.8	27.5	14,272	12,680	4,470	3,960
Feed .....	50.4	52.0	40,134	33,942	12,570	10,600
Farm services .....	91.2	93.3	46,360	38,425	14,520	12,000
Rent .....	25.3	25.2	15,134	15,178	4,740	4,740
Agricultural chemicals .....	35.1	36.2	11,654	9,862	3,650	3,080
Fertilizer, lime and soil conditioners .....	42.3	42.0	15,900	14,345	4,980	4,480
Interest .....	27.4	29.4	6,641	6,276	2,080	1,960
Taxes .....	99.3	97.8	7,791	7,301	2,440	2,280
Labor .....	35.6	37.7	51,628	47,070	16,170	14,700
Fuel .....	77.3	81.3	10,664	7,941	3,340	2,480
Farm supplies and repairs .....	73.9	75.0	16,028	13,833	5,020	4,320
Farm improvements and construction .....	49.0	49.6	12,835	12,200	4,020	3,810
Tractors and self-propelled farm machinery .....	11.8	11.1	6,418	5,828	2,010	1,820
Other farm machinery .....	12.5	12.0	3,193	2,754	1,000	860
Seeds and plants .....	30.6	28.3	9,323	8,806	2,920	2,750
Trucks and autos .....	14.4	12.3	3,640	2,818	1,140	880
Miscellaneous capital expenses .....	2.4	7.2	607	640	190	200
Total farm production expenditures .....	100.0	100.0	272,222	239,898	85,260	74,920

## Farm Production Expenditures Total by Year – West Region: 2011-2015

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

Expenditure	2011	2012	2013	2014	2015
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	3,340	3,050	3,430	4,470	3,960
Feed .....	12,030	12,080	12,770	12,570	10,600
Farm services .....	11,030	12,020	11,720	14,520	12,000
Rent .....	4,060	4,480	4,520	4,740	4,740
Agricultural chemicals .....	2,480	2,880	3,010	3,650	3,080
Fertilizer, lime and soil conditioners .....	4,000	4,300	4,390	4,980	4,480
Interest .....	2,160	1,780	1,880	2,080	1,960
Taxes .....	2,190	2,260	2,170	2,440	2,280
Labor .....	12,410	14,020	15,100	16,170	14,700
Fuel .....	3,120	3,120	3,220	3,340	2,480
Farm supplies and repairs .....	3,490	4,150	4,560	5,020	4,320
Farm improvements and construction .....	2,480	2,830	3,620	4,020	3,810
Tractors and self-propelled farm machinery .....	1,770	2,020	1,760	2,010	1,820
Other farm machinery .....	890	820	810	1,000	860
Seeds and plants .....	2,280	2,660	3,160	2,920	2,750
Trucks and autos .....	900	780	810	1,140	880
Miscellaneous capital expenses .....	140	170	160	190	200
Total farm production expenditures .....	68,770	73,420	77,090	85,260	74,920

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	17.7	17.6	15,707	9,419	1,200	730
Feed .....	31.6	30.2	62,173	52,258	4,750	4,050
Farm services .....	96.5	97.6	107,461	83,742	8,210	6,490
Rent .....	18.8	19.4	28,141	27,355	2,150	2,120
Agricultural chemicals .....	47.7	50.9	27,225	21,290	2,080	1,650
Fertilizer, lime and soil conditioners .....	55.2	60.2	30,759	26,581	2,350	2,060
Interest .....	29.5	24.4	12,696	10,710	970	830
Taxes .....	100.0	100.0	13,743	13,935	1,050	1,080
Labor .....	58.9	59.5	127,225	119,226	9,720	9,240
Fuel .....	78.8	83.4	17,408	14,710	1,330	1,140
Farm supplies and repairs .....	78.5	83.2	29,450	22,968	2,250	1,780
Farm improvements and construction .....	49.2	53.4	23,822	23,613	1,820	1,830
Tractors and self-propelled farm machinery .....	11.7	11.1	7,330	6,710	560	520
Other farm machinery .....	10.6	8.5	4,974	2,710	380	210
Seeds and plants .....	35.5	33.0	17,539	19,742	1,340	1,530
Trucks and autos .....	12.0	9.3	5,366	3,097	410	240
Miscellaneous capital expenses .....	3.2	5.3	1,047	516	80	40
Total farm production expenditures .....	100.0	100.0	532,068	458,581	40,650	35,540

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	28.7	27.6	6,540	5,000	240	180
Feed .....	49.0	45.3	25,068	20,833	920	750
Farm services .....	82.5	86.2	46,594	44,167	1,710	1,590
Rent .....	26.2	19.9	16,621	18,611	610	670
Agricultural chemicals .....	39.7	37.1	13,351	12,500	490	450
Fertilizer, lime and soil conditioners .....	41.3	43.2	19,619	15,556	720	560
Interest .....	26.1	33.1	6,267	7,222	230	260
Taxes .....	100.0	100.0	7,902	6,389	290	230
Labor .....	32.6	28.9	50,954	51,111	1,870	1,840
Fuel .....	74.7	74.1	9,809	6,111	360	220
Farm supplies and repairs .....	74.0	75.4	15,804	14,167	580	510
Farm improvements and construction .....	45.6	45.5	13,079	10,000	480	360
Tractors and self-propelled farm machinery .....	10.1	10.3	6,540	5,833	240	210
Other farm machinery .....	16.5	14.0	2,725	3,333	100	120
Seeds and plants .....	28.4	30.4	10,082	10,000	370	360
Trucks and autos .....	8.2	11.7	2,180	2,778	80	100
Miscellaneous capital expenses .....	1.6	4.9	681	278	25	10
Total farm production expenditures .....	100.0	100.0	253,815	233,889	9,315	8,420

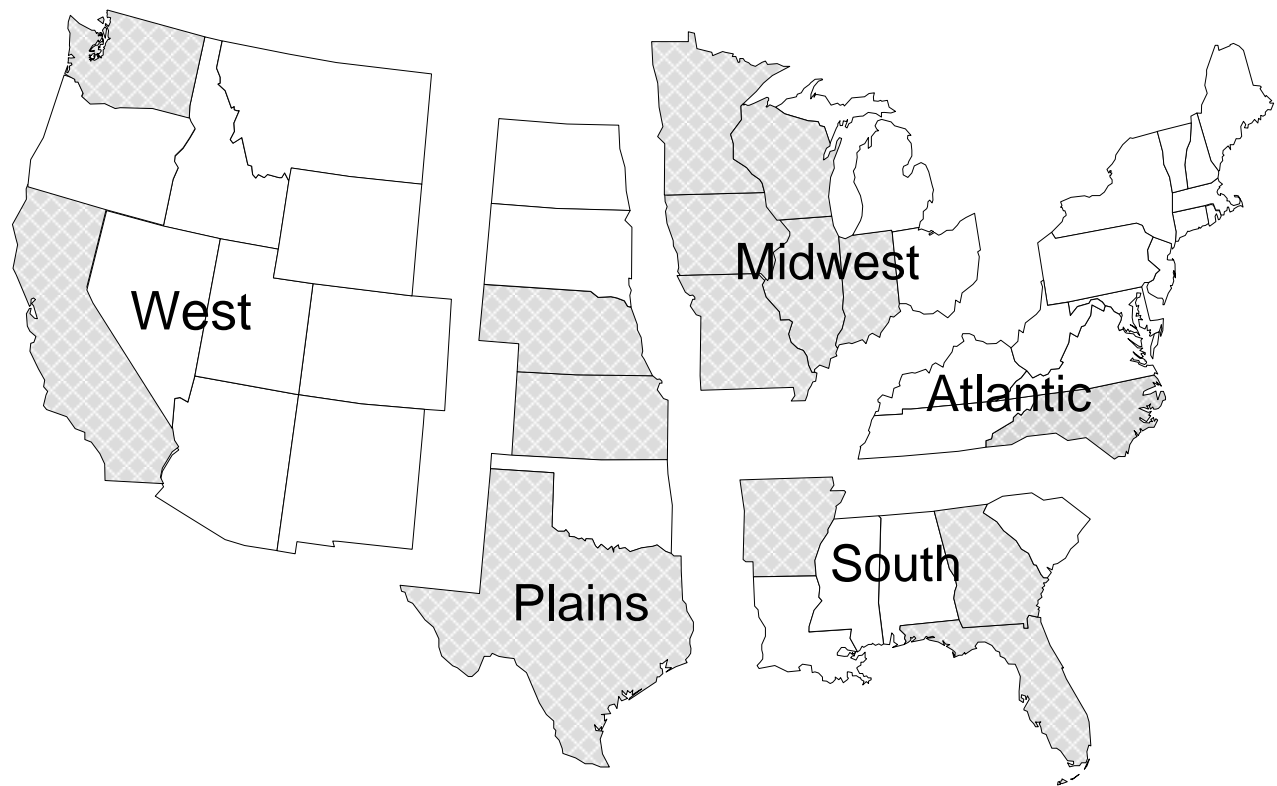
## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2014 and 2015

[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	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	26.7	31.3	15,142	15,342	3,030	3,050
Feed .....	57.9	61.7	34,483	29,175	6,900	5,800
Farm services .....	90.8	92.9	22,989	19,718	4,600	3,920
Rent .....	27.7	28.5	9,895	9,809	1,980	1,950
Agricultural chemicals .....	29.5	30.3	5,397	4,930	1,080	980
Fertilizer, lime & soil conditioners .....	37.6	34.7	9,545	9,356	1,910	1,860
Interest .....	26.8	30.7	4,398	4,376	880	870
Taxes .....	98.9	96.5	5,497	4,879	1,100	970
Labor .....	27.3	30.8	22,889	18,209	4,580	3,620
Fuel .....	77.1	81.9	8,246	5,634	1,650	1,120
Farm supplies and repairs .....	72.2	71.8	10,945	10,211	2,190	2,030
Farm improvements and construction .....	49.5	48.8	8,596	8,149	1,720	1,620
Tractors and self-propelled farm machinery .....	12.1	11.2	6,047	5,483	1,210	1,090
Other farm machinery .....	12.5	13.0	2,599	2,666	520	530
Seeds and plants .....	29.1	26.2	6,047	4,326	1,210	860
Trucks and autos .....	16.4	13.5	3,248	2,716	650	540
Miscellaneous capital expenses .....	2.2	8.4	425	755	85	150
Total farm production expenditures .....	100.0	100.0	176,387	155,734	35,295	30,960



# Farm Production Expenditure Regions



**Atlantic:** Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina<sup>1</sup>, Pennsylvania, Rhode Island, Tennessee, Vermont, Virginia, West Virginia

**South:** Alabama, Arkansas<sup>1</sup>, Florida<sup>1</sup>, Georgia<sup>1</sup>, Louisiana, Mississippi, South Carolina

**Midwest:** Illinois<sup>1</sup>, Indiana<sup>1</sup>, Iowa<sup>1</sup>, Michigan, Minnesota<sup>1</sup>, Missouri<sup>1</sup>, Ohio, Wisconsin<sup>1</sup>

**Plains:** Kansas<sup>1</sup>, Nebraska<sup>1</sup>, North Dakota, Oklahoma, South Dakota, Texas<sup>1</sup>

**West:** Arizona, California<sup>1</sup>, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington<sup>1</sup>, Wyoming

<sup>1</sup> Estimate State (shaded on map)

## Program History

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

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

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

One of the primary NASS uses of farm-production expenditure data is for weighting of Prices Paid Indexes. In early 1995, NASS completed a revision of the indexes. To facilitate this process, changes were made in component items estimated in this publication. Grazing fees were moved from the Farm Services category to Rent; Oils and Lubricants were moved from Fuels to Farm supplies and repairs; repairs and maintenance expenditures were moved from Other farm machinery to Farm supplies and repairs; and Building and fencing materials were combined with Farm and land improvements to make the Farm improvements and construction category. Estimates for these levels were revised back to 1990, at the United States level, to provide a more useful series for data users.

The uses of financial and demographic data collected in ARMS Phase III have expanded significantly over the past several years. Currently, data collected allows ERS to develop many estimates including farm income, cost of production for selected commodities, farm business balance sheets, farm productivity indicators, and analysis of farm financial and household characteristics. In addition, Congress, USDA, Bureau of Economic Analysis (BEA), researchers, Agricultural Extension, and agribusinesses utilize data to develop forecasts, conduct research projects, and establish and review farm policy. The demand for quality farm expenditure and income data continues to increase, as the agricultural community becomes increasingly more complex and integrated.

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

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

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

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

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

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

In 2006, a separate line item was added to the publication: Miscellaneous capital expenses. Summary inconsistencies with version five (CORE) questionnaires dictated that the former Miscellaneous expense be summarized with General business expense into Farms services expenditure.

In 2008, all eight economic classes were published for Total Farm Production Expenditures. The 2008 summary also included a significant recalibration of the 2007 data and substantial revisions to the 2007 estimates because of farm numbers released in the 2007 Agricultural Census. Similarly, the 2013 summary includes changes to the 2012 data and estimates, due to the farm numbers released in the 2012 Census of Agriculture.

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

## Statistical Methodology

**Survey:** The 2015 Agricultural Resource Management Survey

**Publication:** “Farm Production Expenditures 2015 Summary” was released on August 4, 2016. This publication is released early in August each year.

**Data Collection:** The Agricultural Resource Management Survey (ARMS III) was conducted January through April of 2016.

**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 2015 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 2015 sample was 39,661 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 2015, there were three COP commodities: Cotton, Oats, and Hogs. The States involved for this year were:

**Cotton:** Alabama, Arizona, Arkansas, California, Georgia, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, and Texas

**Oats:** Illinois, Iowa, Kansas, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Texas, and Wisconsin

**Hogs:** Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Carolina, Ohio, Oklahoma, Pennsylvania, and South Dakota

## 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 don't fall into 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](mailto:nass@nass.usda.gov).

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Released August 4, 2016, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

### **Access to NASS Reports**

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

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov)
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://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](mailto:nass@nass.usda.gov).

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