



United States  
Department of  
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National  
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Statistics  
Service



# Farm Production Expenditures 2012 Summary

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# USDA





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## 2012 United States Total Farm Production Expenditure Highlights

**Farm Production Expenditures in the United States** is estimated at \$351.8 billion for 2012, up from \$318.7 billion in 2011. The 2012 Total farm production expenditures were up 10.4 percent compared with 2011 Total farm production expenditures. All expenditure items, except Interest, increased from the previous year.

The four largest expenditures at the United States level totaled \$161.8 billion and accounted for 46.0 percent of Total expenditures in 2012. These include Feed, 16.8 percent, Farm services, 11.3 percent, Livestock, poultry and related expenses, 9.1 percent, and Labor, 8.8 percent.

In 2012, the United States Total farm expenditure average per farm is \$162,743 compared with \$146,653 in 2011, up 11.0 percent. On average, United States farm operations spent \$27,338 on Feed, \$18,457 on Farm services, \$14,802 on Livestock, poultry and related expenses, and \$14,247 on Labor. For 2011, United States farms spent an average of \$25,129 on Feed, \$17,075 on Farm services, \$13,163 on Livestock, poultry and related expenses, and \$12,334 on Labor.

Total Fuel expense is \$15.4 billion. Diesel, the largest sub component, is \$10.3 billion, accounting for 66.9 percent. Diesel expenditures are up 2.2 percent from the previous year. Gasoline is \$3.1 billion, up 11.1 percent. LP gas is \$1.3 billion, down 19.3 percent. Other fuel is \$700 million, down 14.6 percent.

The United States Economic Sales Class contributing most to the 2012 United States Total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$116.8 billion, 33.2 percent of the United States total, up 27.5 percent from the 2011 level of \$91.6 billion. It is followed by the \$5,000,000 and Over class with \$71.6 billion, up from \$58.3 billion in 2011.

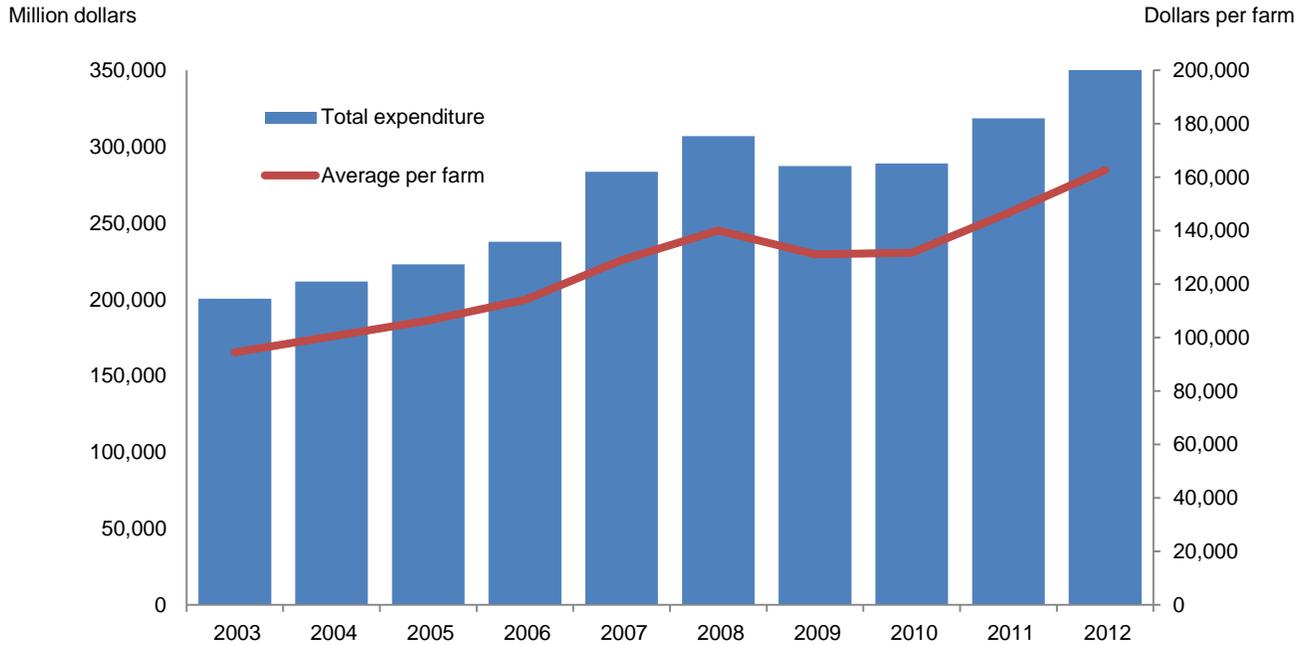
In 2012, Crop farms expenditures increased to \$199.8 billion, up 17.4 percent while Livestock farms expenditures increased to \$152.0 billion, up 2.4 percent. The largest expenditures for Crop farms is: Rent at \$25.0 billion, (12.5 percent), Farm services at \$24.9 billion, (12.5 percent) and Fertilizer, lime and soil conditioners at \$24.8 billion, (12.4 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$55.5 billion, accounting for 27.8 percent of Crop farms total expenses. The largest expenditures for Livestock farms are: Feed at \$54.4 billion, (35.8 percent), Livestock, poultry and related expenses, at \$27.9 billion, (18.4 percent), and Farm services at \$15.0 billion, (9.9 percent), together accounting for 64.1 percent of Livestock farms Total expenses. The average Total expenditure for a Crop farm are \$202,740 compared to \$129,230 per Livestock farm.

The Midwest region contributed the most to United States Total expenditures with expenses of \$112.0 billion (31.8 percent), up from \$98.8 billion in 2011. The other regions ranked by Total expenditures are: Plains at \$88.8 billion (25.2 percent), West at \$69.9 billion (19.8 percent), Atlantic at \$42.6 billion (12.1 percent), and South at \$38.6 billion (11.0 percent). The Plains increased \$15.0 billion from 2011, which is the largest regional increase in dollars.

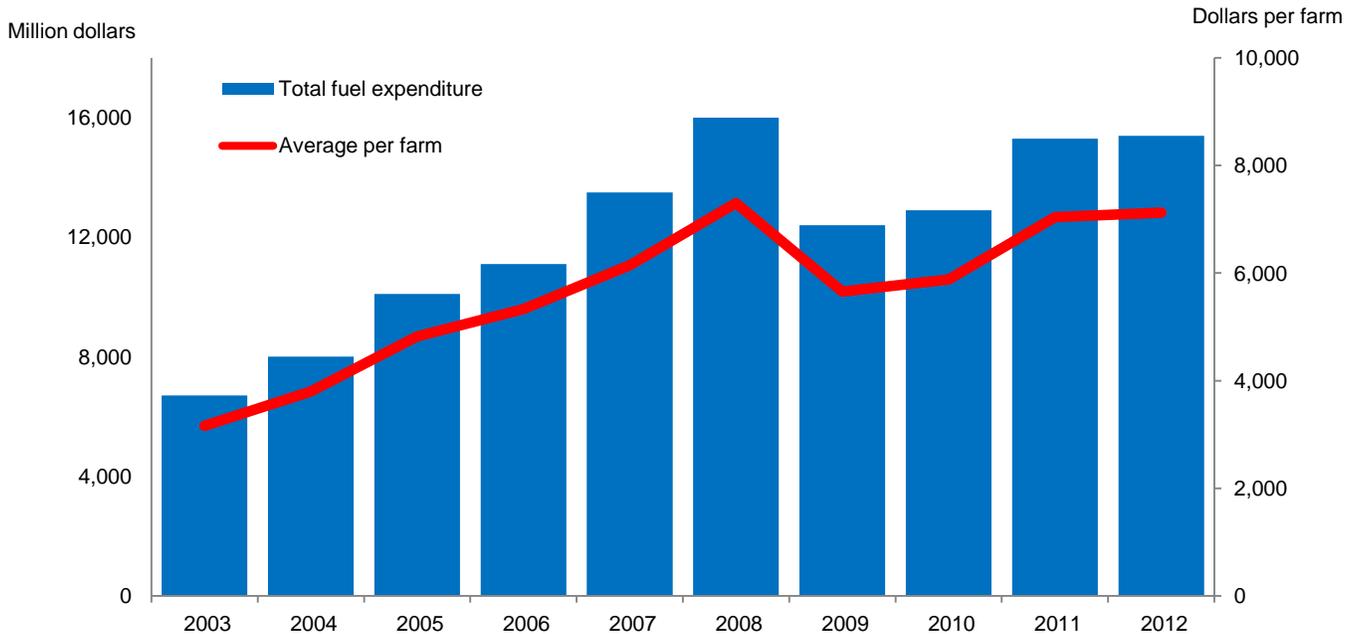
The sum of Total expenditures for the 15 Estimate States is \$228.9 billion in 2012 (65.1 percent of the United States Total expenditures) and \$205.8 billion in 2011 (64.6 percent). California contributed most to the 2012 United States Total expenditures, with expenses of \$31.2 billion, (8.9 percent). California expenditures are up 0.5 percent from the 2011 estimate of \$31.0 billion. Iowa, the next leading state, has \$26.8 billion in expenses, (7.6 percent). Other states with more than \$20 billion in Total Expenditures are: Texas with \$23.8 billion, and Nebraska with \$22.0 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: 2003-2012



## Fuel Expenditure, Total and Average Per Farm by Year – United States: 2003-2012



## Farm Production Expenditures by Expenditure Category and Percent of Total – United States: 2011 and 2012

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

Expenditure	2011		2012	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry and related expenses .....	28,600	9.0	32,000	9.1
Feed .....	54,600	17.1	59,100	16.8
Farm services .....	37,100	11.6	39,900	11.3
Rent .....	26,300	8.3	29,100	8.3
Agricultural chemicals .....	11,800	3.7	13,700	3.9
Fertilizer, lime and soil conditioners .....	25,100	7.9	28,500	8.1
Interest .....	9,800	3.1	8,300	2.4
Taxes .....	11,300	3.5	11,500	3.3
Labor .....	26,800	8.4	30,800	8.8
Fuel .....	15,300	4.8	15,400	4.4
Farm supplies and repairs .....	16,300	5.1	17,900	5.1
Farm improvements and construction .....	14,300	4.5	15,400	4.4
Tractors and self-propelled farm machinery .....	12,500	3.9	16,600	4.7
Other farm machinery .....	6,400	2.0	7,800	2.2
Seeds and plants .....	17,800	5.6	20,300	5.8
Trucks and autos .....	4,370	1.4	5,000	1.4
Miscellaneous capital expenses .....	280	0.1	520	0.1
Total farm production expenditures .....	318,650	100.0	351,820	100.0

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.6	22.6	13,163	14,802	28,600	32,000
Feed .....	58.4	52.7	25,129	27,338	54,600	59,100
Farm services .....	93.6	89.3	17,075	18,457	37,100	39,900
Rent .....	28.9	27.9	12,104	13,461	26,300	29,100
Agricultural chemicals .....	40.3	38.6	5,431	6,337	11,800	13,700
Fertilizer, lime and soil conditioners .....	44.9	47.2	11,552	13,183	25,100	28,500
Interest .....	33.8	28.1	4,510	3,839	9,800	8,300
Taxes .....	99.6	99.6	5,201	5,320	11,300	11,500
Labor .....	27.9	25.7	12,334	14,247	26,800	30,800
Fuel .....	84.7	78.8	7,042	7,124	15,300	15,400
Farm supplies and repairs .....	81.8	75.4	7,502	8,280	16,300	17,900
Farm improvements and construction .....	48.8	45.9	6,581	7,124	14,300	15,400
Tractors and self-propelled farm machinery .....	17.3	13.8	5,753	7,679	12,500	16,600
Other farm machinery .....	20.9	14.9	2,945	3,608	6,400	7,800
Seeds and plants .....	38.8	38.1	8,192	9,390	17,800	20,300
Trucks and autos .....	17.4	13.1	2,011	2,313	4,370	5,000
Miscellaneous capital expenses .....	7.5	1.8	129	241	280	520
Total farm production expenditures .....	100.0	100.0	146,653	162,743	318,650	351,820

## Farm Production Expenditures by Year – United States: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(million dollars)				
Livestock, poultry and related expenses .....	28,300	25,900	24,400	28,600	32,000
Feed .....	46,900	45,000	45,400	54,600	59,100
Farm services .....	38,000	36,400	35,700	37,100	39,900
Rent .....	22,400	22,600	25,900	26,300	29,100
Agricultural chemicals .....	11,700	11,500	10,700	11,800	13,700
Fertilizer, lime and soil conditioners .....	22,500	20,100	21,000	25,100	28,500
Interest .....	12,000	11,000	10,200	9,800	8,300
Taxes .....	10,700	10,400	10,800	11,300	11,500
Labor .....	29,700	28,800	27,300	26,800	30,800
Fuel .....	16,000	12,400	12,900	15,300	15,400
Farm supplies and repairs .....	15,900	15,500	15,900	16,300	17,900
Farm improvements and construction .....	15,800	14,100	12,600	14,300	15,400
Tractors and self-propelled farm machinery .....	11,400	9,300	10,900	12,500	16,600
Other farm machinery .....	5,900	4,700	5,000	6,400	7,800
Seeds and plants .....	15,100	15,500	16,300	17,800	20,300
Trucks and autos .....	4,500	4,000	3,860	4,370	5,000
Miscellaneous capital expenses .....	220	200	190	280	520
Total farm production expenditures .....	307,020	287,400	289,050	318,650	351,820

## Farm Production Expenditures by Percent of Total – United States: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry and related expenses .....	9.2	9.0	8.4	9.0	9.1
Feed .....	15.3	15.7	15.7	17.1	16.8
Farm services .....	12.4	12.7	12.4	11.6	11.3
Rent .....	7.3	7.9	9.0	8.3	8.3
Agricultural chemicals .....	3.8	4.0	3.7	3.7	3.9
Fertilizer, lime and soil conditioners .....	7.3	7.0	7.3	7.9	8.1
Interest .....	3.9	3.8	3.5	3.1	2.4
Taxes .....	3.5	3.6	3.7	3.5	3.3
Labor .....	9.7	10.0	9.4	8.4	8.8
Fuel .....	5.2	4.3	4.5	4.8	4.4
Farm supplies and repairs .....	5.2	5.4	5.5	5.1	5.1
Farm improvements and construction .....	5.1	4.9	4.4	4.5	4.4
Tractors and self-propelled farm machinery .....	3.7	3.2	3.8	3.9	4.7
Other farm machinery .....	1.9	1.6	1.7	2.0	2.2
Seeds and plants .....	4.9	5.4	5.6	5.6	5.8
Trucks and autos .....	1.5	1.4	1.3	1.4	1.4
Miscellaneous capital expenses .....	0.1	0.1	0.1	0.1	0.1
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: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	9.5	9.6	3,241	4,160	3,000	4,100
Feed .....	20.3	19.8	3,673	4,769	3,400	4,700
Farm services .....	90.2	86.6	23,334	25,265	21,600	24,900
Rent .....	32.4	31.6	23,874	25,367	22,100	25,000
Agricultural chemicals .....	52.2	50.6	11,483	12,582	10,630	12,400
Fertilizer, lime and soil conditioners .....	57.3	58.2	23,399	25,164	21,660	24,800
Interest .....	35.5	30.9	5,585	4,931	5,170	4,860
Taxes .....	99.7	99.7	6,989	7,204	6,470	7,100
Labor .....	31.2	29.3	18,797	22,323	17,400	22,000
Fuel .....	81.5	76.0	10,392	10,350	9,620	10,200
Farm supplies and repairs .....	78.2	72.1	10,457	11,567	9,680	11,400
Farm improvements and construction .....	46.4	42.7	8,534	9,031	7,900	8,900
Tractors and self-propelled farm machinery .....	20.2	16.9	9,463	12,480	8,760	12,300
Other farm machinery .....	23.3	17.5	4,764	5,784	4,410	5,700
Seeds and plants .....	54.4	52.1	17,133	18,568	15,860	18,300
Trucks and autos .....	19.0	13.9	2,539	2,841	2,350	2,800
Miscellaneous capital expenses .....	8.9	2.0	173	355	160	350
Total farm production expenditures .....	100.0	100.0	183,829	202,740	170,170	199,810

## Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	34.1	33.5	20,527	23,719	25,600	27,900
Feed .....	86.7	80.3	41,054	46,248	51,200	54,400
Farm services .....	96.2	91.6	12,429	12,752	15,500	15,000
Rent .....	26.3	24.8	3,368	3,486	4,200	4,100
Agricultural chemicals .....	31.5	28.5	938	1,105	1,170	1,300
Fertilizer, lime and soil conditioners .....	35.7	37.9	2,758	3,146	3,440	3,700
Interest .....	32.7	25.7	3,713	2,924	4,630	3,440
Taxes .....	99.5	99.6	3,873	3,741	4,830	4,400
Labor .....	25.6	22.7	7,537	7,481	9,400	8,800
Fuel .....	87.0	81.2	4,554	4,421	5,680	5,200
Farm supplies and repairs .....	84.4	78.2	5,308	5,526	6,620	6,500
Farm improvements and construction .....	50.6	48.6	5,132	5,526	6,400	6,500
Tractors and self-propelled farm machinery .....	15.1	11.3	2,999	3,656	3,740	4,300
Other farm machinery .....	19.0	12.7	1,596	1,785	1,990	2,100
Seeds and plants .....	27.1	26.4	1,556	1,700	1,940	2,000
Trucks and autos .....	16.3	12.5	1,620	1,870	2,020	2,200
Miscellaneous capital expenses .....	6.4	1.7	96	145	120	170
Total farm production expenditures .....	100.0	100.0	119,058	129,230	148,480	152,010

## Farm Production Expenditures, Economic Class Gross Sales, by Percent of Total, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000 .....	5.7	5.1	15,122	15,404	18,080	17,980
\$10,000 - \$49,999 .....	4.8	5.1	34,894	40,207	15,320	17,910
\$50,000 - \$99,999 .....	4.3	4.2	85,558	94,933	13,590	14,670
\$100,000 - \$249,999 .....	8.2	7.8	179,685	186,646	26,110	27,590
\$250,000 - \$499,999 .....	12.1	10.7	382,791	370,025	38,570	37,650
\$500,000 - \$999,999 .....	17.9	13.5	711,208	689,481	57,110	47,650
\$1,000,000 - \$4,999,999 .....	28.8	33.2	1,920,352	1,695,065	91,620	116,790
\$5,000,000 and over .....	18.3	20.3	11,095,238	10,211,127	58,250	71,580
Total farm production expenditures .....	100.0	100.0	146,653	162,743	318,650	351,820

## Farm Production Expenditures, Economic Class Gross Sales of Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	17.3	15.5	335	531	400	620
Feed .....	59.3	53.4	1,581	1,611	1,890	1,880
Farm services .....	89.2	82.6	2,350	2,296	2,810	2,680
Rent .....	10.0	9.3	184	326	220	380
Agricultural chemicals .....	22.3	19.2	92	129	110	150
Fertilizer, lime and soil conditioners .....	25.4	28.0	309	463	370	540
Interest .....	20.5	16.9	1,071	865	1,280	1,010
Taxes .....	99.4	99.5	2,166	1,996	2,590	2,330
Labor .....	15.7	12.7	694	660	830	770
Fuel .....	76.6	68.4	887	788	1,060	920
Farm supplies and repairs .....	71.9	63.6	995	1,062	1,190	1,240
Farm improvements and construction .....	39.1	35.7	2,058	2,090	2,460	2,440
Tractors and self-propelled farm machinery .....	10.5	7.7	1,104	1,268	1,320	1,480
Other farm machinery .....	12.2	6.8	418	326	500	380
Seeds and plants .....	20.4	19.6	151	223	180	260
Trucks and autos .....	11.2	8.0	669	711	800	830
Miscellaneous capital expenses .....	4.4	0.9	59	60	70	70
Total farm production expenditures .....	100.0	100.0	15,122	15,404	18,080	17,980

## Farm Production Expenditures, Economic Class Gross Sales of \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.9	26.4	1,435	1,818	630	810
Feed .....	61.0	54.2	2,984	3,008	1,310	1,340
Farm services .....	98.0	94.4	5,034	5,478	2,210	2,440
Rent .....	32.3	29.7	1,458	1,908	640	850
Agricultural chemicals .....	42.8	41.2	661	853	290	380
Fertilizer, lime and soil conditioners .....	53.5	55.8	2,050	2,806	900	1,250
Interest .....	33.5	23.2	1,754	1,325	770	590
Taxes .....	99.8	99.8	3,143	3,412	1,380	1,520
Labor .....	26.1	24.9	2,050	2,425	900	1,080
Fuel .....	91.1	84.9	2,300	2,492	1,010	1,110
Farm supplies and repairs .....	89.8	83.4	2,824	3,031	1,240	1,350
Farm improvements and construction .....	51.4	48.9	3,508	4,220	1,540	1,880
Tractors and self-propelled farm machinery .....	16.9	12.1	2,095	2,963	920	1,320
Other farm machinery .....	22.0	13.6	1,070	1,190	470	530
Seeds and plants .....	41.1	39.9	1,253	1,684	550	750
Trucks and autos .....	17.4	11.6	1,230	1,482	540	660
Miscellaneous capital expenses .....	8.3	2.1	46	112	20	50
Total farm production expenditures .....	100.0	100.0	34,894	40,207	15,320	17,910

## Farm Production Expenditures, Economic Class Gross Sales of \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	29.6	29.1	5,792	4,659	920	720
Feed .....	53.2	48.5	6,044	6,083	960	940
Farm services .....	99.7	98.7	11,962	12,360	1,900	1,910
Rent .....	52.1	48.0	5,855	6,795	930	1,050
Agricultural chemicals .....	64.5	62.0	2,896	3,171	460	490
Fertilizer, lime and soil conditioners .....	72.3	70.3	7,114	8,801	1,130	1,360
Interest .....	44.7	37.7	3,211	2,977	510	460
Taxes .....	99.9	99.8	5,351	5,759	850	890
Labor .....	41.2	35.6	6,547	7,054	1,040	1,090
Fuel .....	94.4	91.9	5,666	5,889	900	910
Farm supplies and repairs .....	94.1	88.8	6,044	6,601	960	1,020
Farm improvements and construction .....	58.4	55.4	4,974	6,860	790	1,060
Tractors and self-propelled farm machinery .....	21.3	17.9	4,659	6,018	740	930
Other farm machinery .....	27.1	21.0	2,266	2,912	360	450
Seeds and plants .....	64.7	62.7	5,288	6,083	840	940
Trucks and autos .....	19.6	17.7	1,826	2,783	290	430
Miscellaneous capital expenses .....	10.2	3.0	63	129	10	20
Total farm production expenditures .....	100.0	100.0	85,558	94,933	13,590	14,670

**Farm Production Expenditures, Economic Class Gross Sales of \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012**

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	36.5	31.3	9,841	9,133	1,430	1,350
Feed .....	54.6	51.5	14,039	14,139	2,040	2,090
Farm services .....	99.9	99.1	22,917	25,030	3,330	3,700
Rent .....	67.1	65.9	17,411	16,642	2,530	2,460
Agricultural chemicals .....	78.1	76.4	7,019	7,983	1,020	1,180
Fertilizer, lime and soil conditioners .....	83.5	83.6	18,650	19,348	2,710	2,860
Interest .....	63.5	53.8	7,501	5,953	1,090	880
Taxes .....	100.0	99.8	8,258	8,118	1,200	1,200
Labor .....	47.2	46.7	12,043	10,553	1,750	1,560
Fuel .....	97.6	95.5	11,011	10,486	1,600	1,550
Farm supplies and repairs .....	96.7	93.7	12,663	12,651	1,840	1,870
Farm improvements and construction .....	63.9	62.5	7,501	10,486	1,090	1,550
Tractors and self-propelled farm machinery .....	29.8	23.5	8,258	11,568	1,200	1,710
Other farm machinery .....	40.4	30.7	5,368	6,156	780	910
Seeds and plants .....	80.6	78.2	13,351	13,124	1,940	1,940
Trucks and autos .....	30.3	23.0	3,716	5,074	540	750
Miscellaneous capital expenses .....	12.5	2.4	138	203	20	30
Total farm production expenditures .....	100.0	100.0	179,685	186,646	26,110	27,590

**Farm Production Expenditures, Economic Class Gross Sales of \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2011-2012**

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	41.2	36.5	25,804	18,673	2,600	1,900
Feed .....	56.7	49.4	35,728	34,889	3,600	3,550
Farm services .....	100.0	100.0	44,561	42,948	4,490	4,370
Rent .....	81.8	77.0	41,782	40,491	4,210	4,120
Agricultural chemicals .....	86.0	85.9	17,566	17,985	1,770	1,830
Fertilizer, lime and soil conditioners .....	86.7	87.3	40,294	40,197	4,060	4,090
Interest .....	72.5	63.2	12,604	9,926	1,270	1,010
Taxes .....	99.9	99.8	12,505	12,973	1,260	1,320
Labor .....	64.8	56.4	25,705	23,587	2,590	2,400
Fuel .....	99.4	98.2	20,643	18,968	2,080	1,930
Farm supplies and repairs .....	99.1	96.4	23,819	22,113	2,400	2,250
Farm improvements and construction .....	75.9	68.9	18,063	15,823	1,820	1,610
Tractors and self-propelled farm machinery .....	37.6	30.9	18,857	23,587	1,900	2,400
Other farm machinery .....	42.6	38.6	10,024	11,499	1,010	1,170
Seeds and plants .....	86.2	83.6	28,881	28,993	2,910	2,950
Trucks and autos .....	35.6	28.3	5,657	6,880	570	700
Miscellaneous capital expenses .....	17.2	3.8	298	491	30	50
Total farm production expenditures .....	100.0	100.0	382,791	370,025	38,570	37,650

## Farm Production Expenditures, Economic Class Gross Sales of \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	40.2	41.3	52,055	46,303	4,180	3,200
Feed .....	51.6	50.6	82,690	79,583	6,640	5,500
Farm services .....	100.0	99.9	74,969	70,901	6,020	4,900
Rent .....	80.2	78.4	85,430	81,030	6,860	5,600
Agricultural chemicals .....	89.1	90.5	35,367	34,293	2,840	2,370
Fertilizer, lime and soil conditioners .....	87.9	86.1	77,335	75,242	6,210	5,200
Interest .....	78.2	70.5	19,676	16,061	1,580	1,110
Taxes .....	99.9	100.0	20,050	19,534	1,610	1,350
Labor .....	74.1	73.0	45,704	52,091	3,670	3,600
Fuel .....	99.3	99.5	37,360	33,280	3,000	2,300
Farm supplies and repairs .....	98.8	97.9	36,862	34,293	2,960	2,370
Farm improvements and construction .....	76.6	72.7	27,646	23,730	2,220	1,640
Tractors and self-propelled farm machinery .....	44.8	38.7	34,371	40,805	2,760	2,820
Other farm machinery .....	50.8	46.5	18,057	21,705	1,450	1,500
Seeds and plants .....	86.3	83.5	54,296	52,091	4,360	3,600
Trucks and autos .....	42.1	30.3	8,842	7,814	710	540
Miscellaneous capital expenses .....	17.5	5.4	498	723	40	50
Total farm production expenditures .....	100.0	100.0	711,208	689,481	57,110	47,650

## Farm Production Expenditures, Economic Class Gross Sales of \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	50.5	44.3	177,741	149,492	8,480	10,300
Feed .....	57.6	50.6	419,199	325,109	20,000	22,400
Farm services .....	100.0	100.0	210,019	179,971	10,020	12,400
Rent .....	76.4	77.0	186,544	172,714	8,900	11,900
Agricultural chemicals .....	89.9	88.7	80,696	78,374	3,850	5,400
Fertilizer, lime and soil conditioners .....	82.1	84.4	158,248	150,943	7,550	10,400
Interest .....	83.4	74.3	47,789	33,382	2,280	2,300
Taxes .....	100.0	100.0	35,632	32,801	1,700	2,260
Labor .....	86.9	84.3	164,745	150,943	7,860	10,400
Fuel .....	99.4	99.4	83,001	68,795	3,960	4,740
Farm supplies and repairs .....	99.6	98.6	76,294	74,020	3,640	5,100
Farm improvements and construction .....	84.5	78.0	64,557	49,492	3,080	3,410
Tractors and self-propelled farm machinery .....	46.2	45.7	61,203	72,569	2,920	5,000
Other farm machinery .....	46.8	43.1	28,925	34,107	1,380	2,350
Seeds and plants .....	80.6	82.2	108,992	107,402	5,200	7,400
Trucks and autos .....	43.4	35.6	15,301	12,917	730	890
Miscellaneous capital expenses .....	16.0	5.2	1,467	2,032	70	140
Total farm production expenditures .....	100.0	100.0	1,920,352	1,695,065	91,620	116,790

## Farm Production Expenditures, Economic Class Gross Sales of \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	48.3	50.3	1,897,143	1,868,759	9,960	13,100
Feed .....	66.3	60.3	3,459,048	3,052,782	18,160	21,400
Farm services .....	100.0	100.0	1,203,810	1,069,900	6,320	7,500
Rent .....	65.2	67.4	382,857	390,870	2,010	2,740
Agricultural chemicals .....	76.5	82.8	278,095	271,041	1,460	1,900
Fertilizer, lime and soil conditioners .....	72.9	79.2	413,333	399,429	2,170	2,800
Interest .....	73.8	70.2	194,286	134,094	1,020	940
Taxes .....	100.0	100.0	135,238	89,872	710	630
Labor .....	97.3	92.5	1,554,286	1,412,268	8,160	9,900
Fuel .....	99.1	99.8	321,905	276,748	1,690	1,940
Farm supplies and repairs .....	98.6	99.5	394,286	385,164	2,070	2,700
Farm improvements and construction .....	85.3	84.3	247,619	258,203	1,300	1,810
Tractors and self-propelled farm machinery .....	48.7	50.4	140,952	134,094	740	940
Other farm machinery .....	44.6	40.8	85,714	72,753	450	510
Seeds and plants .....	72.9	81.0	346,667	350,927	1,820	2,460
Trucks and autos .....	47.8	45.6	36,190	28,531	190	200
Miscellaneous capital expenses .....	9.9	9.2	3,810	15,692	20	110
Total farm production expenditures .....	100.0	100.0	11,095,238	10,211,127	58,250	71,580

## Fuel Production Expenditure Sub-Components by Type of Farm, Economic Class, and Region – United States: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms .....	9,620	10,200	6,640	7,150	1,600	1,900	740	660	640	490
Livestock farms .....	5,680	5,200	3,440	3,150	1,190	1,200	870	640	180	210

Economic class	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000 .....	1,060	920	580	490	360	360	70	50	50	20
\$10,000 - \$49,999 .....	1,010	1,110	620	680	320	340	50	50	20	40
\$50,000 - \$99,999 .....	900	910	600	590	205	230	65	50	30	40
\$100,000 - \$249,999 .....	1,600	1,550	1,050	1,070	320	350	170	80	60	50
\$250,000 - \$499,999 .....	2,080	1,930	1,460	1,320	350	390	200	150	70	70
\$500,000 - \$999,999 .....	3,000	2,300	1,995	1,590	455	400	320	220	230	90
\$1,000,000 - \$4,999,999 .....	3,960	4,740	2,610	3,260	545	680	585	550	220	250
\$5,000,000 and over .....	1,690	1,940	1,165	1,300	235	350	150	150	140	140

Region	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic .....	1,890	2,040	1,110	1,160	375	460	295	270	110	150
South .....	1,930	1,900	1,200	1,250	390	350	275	230	65	70
Midwest .....	4,480	4,580	3,070	3,200	645	770	625	480	140	130
Plains .....	3,880	3,900	2,590	2,700	695	780	185	170	410	250
West .....	3,120	2,980	2,110	1,990	685	740	230	150	95	100
United States .....	15,300	15,400	10,080	10,300	2,790	3,100	1,610	1,300	820	700

## Farm Production Expenditures – Region, State, and United States: 2011 and 2012

[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			
	2011	2012	2011	2012	2011	2012
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>						
North Carolina .....	10,130	10,260	1,560	1,570	15.4	15.3
Other States .....	28,990	32,350	1,950	2,140	6.7	6.6
Total .....	39,120	42,610	3,510	3,710	9.0	8.7
<b>South</b>						
Arkansas .....	8,070	9,010	780	740	9.7	8.2
Florida .....	6,490	6,110	140	120	2.2	2.0
Georgia .....	7,230	7,110	730	570	10.1	8.0
Other States .....	16,310	16,350	1,650	1,170	10.1	7.2
Total .....	38,100	38,580	3,300	2,600	8.7	6.7
<b>Midwest</b>						
Illinois .....	17,100	18,130	310	600	1.8	3.3
Indiana .....	9,680	10,580	270	330	2.8	3.1
Iowa .....	24,200	26,840	3,070	3,010	12.7	11.2
Minnesota .....	15,520	17,785	1,170	1,350	7.5	7.6
Missouri .....	8,160	10,590	570	1,040	7.0	9.8
Wisconsin .....	9,580	10,775	300	290	3.1	2.7
Other States .....	14,590	17,250	540	600	3.7	3.5
Total .....	98,830	111,950	6,230	7,220	6.3	6.4
<b>Plains</b>						
Kansas .....	11,760	16,395	2,460	3,650	20.9	22.3
Nebraska .....	17,320	21,950	3,580	5,300	20.7	24.1
Texas .....	22,690	23,780	4,400	4,170	19.4	17.5
Other States .....	22,060	26,695	1,780	2,380	8.1	8.9
Total .....	73,830	88,820	12,220	15,500	16.6	17.5
<b>West</b>						
California .....	30,990	31,160	780	710	2.5	2.3
Washington .....	6,880	8,470	230	210	3.3	2.5
Other States .....	30,900	30,230	2,330	2,050	7.5	6.8
Total .....	68,770	69,860	3,340	2,970	4.9	4.3
<b>United States .....</b>	<b>318,650</b>	<b>351,820</b>	<b>28,600</b>	<b>32,000</b>	<b>9.0</b>	<b>9.1</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011	2012	2011	2012	2011	2012	2011	2012
	(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 .....	3,800	3,880	37.5	37.8	990	890	9.8	8.7
Other States .....	5,300	5,830	18.3	18.0	3,520	3,860	12.1	11.9
Total .....	9,100	9,710	23.3	22.8	4,510	4,750	11.5	11.1
<b>South</b>								
Arkansas .....	2,460	2,430	30.5	27.0	770	840	9.5	9.3
Florida .....	650	540	10.0	8.8	1,140	950	17.6	15.5
Georgia .....	2,500	2,090	34.6	29.4	760	780	10.5	11.0
Other States .....	5,020	4,670	30.8	28.6	1,950	1,780	12.0	10.9
Total .....	10,630	9,730	27.9	25.2	4,620	4,350	12.1	11.3
<b>Midwest</b>								
Illinois .....	1,030	960	6.0	5.3	1,410	1,480	8.2	8.2
Indiana .....	1,180	1,100	12.2	10.4	810	870	8.4	8.2
Iowa .....	3,940	4,430	16.3	16.5	1,850	2,110	7.6	7.9
Minnesota .....	2,240	2,160	14.4	12.1	1,540	1,690	9.9	9.5
Missouri .....	1,170	1,680	14.3	15.9	850	920	10.4	8.7
Wisconsin .....	1,780	1,880	18.6	17.4	1,290	1,430	13.5	13.3
Other States .....	1,590	2,400	10.9	13.9	1,440	1,820	9.9	10.6
Total .....	12,930	14,610	13.1	13.1	9,190	10,320	9.3	9.2
<b>Plains</b>								
Kansas .....	1,500	2,850	12.8	17.4	1,120	1,670	9.5	10.2
Nebraska .....	1,770	2,950	10.2	13.4	1,550	1,830	8.9	8.3
Texas .....	5,050	5,330	22.3	22.4	2,490	2,650	11.0	11.1
Other States .....	1,590	1,920	7.2	7.2	2,590	3,020	11.7	11.3
Total .....	9,910	13,050	13.4	14.7	7,750	9,170	10.5	10.3
<b>West</b>								
California .....	5,110	5,480	16.5	17.6	5,450	5,340	17.6	17.1
Washington .....	800	810	11.6	9.6	1,410	1,700	20.5	20.1
Other States .....	6,120	5,710	19.8	18.9	4,170	4,270	13.5	14.1
Total .....	12,030	12,000	17.5	17.2	11,030	11,310	16.0	16.2
<b>United States .....</b>	<b>54,600</b>	<b>59,100</b>	<b>17.1</b>	<b>16.8</b>	<b>37,100</b>	<b>39,900</b>	<b>11.6</b>	<b>11.3</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011	2012	2011	2012	2011	2012	2011	2012
	(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 .....	240	260	2.4	2.5	300	280	3.0	2.7
Other States .....	1,040	1,300	3.6	4.0	800	910	2.8	2.8
Total .....	1,280	1,560	3.3	3.7	1,100	1,190	2.8	2.8
<b>South</b>								
Arkansas .....	630	780	7.8	8.7	410	490	5.1	5.4
Florida .....	230	180	3.5	2.9	350	430	5.4	7.0
Georgia .....	200	170	2.8	2.4	320	360	4.4	5.1
Other States .....	840	820	5.2	5.0	790	780	4.8	4.8
Total .....	1,900	1,950	5.0	5.1	1,870	2,060	4.9	5.3
<b>Midwest</b>								
Illinois .....	3,740	3,800	21.9	21.0	900	980	5.3	5.4
Indiana .....	1,380	1,540	14.3	14.6	450	520	4.6	4.9
Iowa .....	3,450	3,740	14.3	13.9	810	1,010	3.3	3.8
Minnesota .....	1,800	1,980	11.6	11.1	560	680	3.6	3.8
Missouri .....	810	970	9.9	9.2	370	490	4.5	4.6
Wisconsin .....	400	610	4.2	5.7	260	300	2.7	2.8
Other States .....	1,350	1,430	9.3	8.3	560	690	3.8	4.0
Total .....	12,930	14,070	13.1	12.6	3,910	4,670	4.0	4.2
<b>Plains</b>								
Kansas .....	1,020	1,330	8.7	8.1	400	600	3.4	3.7
Nebraska .....	2,080	2,460	12.0	11.2	580	750	3.3	3.4
Texas .....	930	1,040	4.1	4.4	480	520	2.1	2.2
Other States .....	2,100	2,480	9.5	9.3	980	1,240	4.4	4.6
Total .....	6,130	7,310	8.3	8.2	2,440	3,110	3.3	3.5
<b>West</b>								
California .....	1,700	1,810	5.5	5.8	1,290	1,280	4.2	4.1
Washington .....	410	530	6.0	6.3	360	460	5.2	5.4
Other States .....	1,950	1,870	6.3	6.2	830	930	2.7	3.1
Total .....	4,060	4,210	5.9	6.0	2,480	2,670	3.6	3.8
<b>United States .....</b>	<b>26,300</b>	<b>29,100</b>	<b>8.3</b>	<b>8.3</b>	<b>11,800</b>	<b>13,700</b>	<b>3.7</b>	<b>3.9</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011 (million dollars)	2012 (million dollars)	2011 (percent of total)	2012 (percent of total)	2011 (million dollars)	2012 (million dollars)	2011 (percent of total)	2012 (percent of total)
<b>Atlantic</b>								
North Carolina .....	470	460	4.6	4.5	140	120	1.4	1.2
Other States .....	1,660	2,000	5.7	6.2	930	900	3.2	2.8
Total .....	2,130	2,460	5.4	5.8	1,070	1,020	2.7	2.4
<b>South</b>								
Arkansas .....	490	640	6.1	7.1	190	150	2.4	1.7
Florida .....	520	540	8.0	8.8	160	90	2.5	1.5
Georgia .....	460	510	6.4	7.2	170	160	2.4	2.3
Other States .....	900	1,140	5.5	7.0	340	270	2.1	1.7
Total .....	2,370	2,830	6.2	7.3	860	670	2.3	1.7
<b>Midwest</b>								
Illinois .....	2,570	2,620	15.0	14.5	500	450	2.9	2.5
Indiana .....	1,340	1,470	13.8	13.9	320	290	3.3	2.7
Iowa .....	2,350	2,550	9.7	9.5	790	640	3.3	2.4
Minnesota .....	1,510	1,880	9.7	10.6	530	500	3.4	2.8
Missouri .....	910	1,040	11.2	9.8	290	300	3.6	2.8
Wisconsin .....	700	880	7.3	8.2	460	410	4.8	3.8
Other States .....	1,450	1,780	9.9	10.3	410	410	2.8	2.4
Total .....	10,830	12,220	11.0	10.9	3,300	3,000	3.3	2.7
<b>Plains</b>								
Kansas .....	970	1,250	8.2	7.6	440	280	3.7	1.7
Nebraska .....	1,570	1,770	9.1	8.1	480	430	2.8	2.0
Texas .....	1,040	1,200	4.6	5.0	520	420	2.3	1.8
Other States .....	2,190	2,640	9.9	9.9	970	770	4.4	2.9
Total .....	5,770	6,860	7.8	7.7	2,410	1,900	3.3	2.1
<b>West</b>								
California .....	1,620	1,510	5.2	4.8	840	640	2.7	2.1
Washington .....	380	630	5.5	7.4	190	200	2.8	2.4
Other States .....	2,000	1,990	6.5	6.6	1,130	870	3.7	2.9
Total .....	4,000	4,130	5.8	5.9	2,160	1,710	3.1	2.4
<b>United States .....</b>	<b>25,100</b>	<b>28,500</b>	<b>7.9</b>	<b>8.1</b>	<b>9,800</b>	<b>8,300</b>	<b>3.1</b>	<b>2.4</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011	2012	2011	2012	2011	2012	2011	2012
	(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 .....	210	230	2.1	2.2	610	720	6.0	7.0
Other States .....	1,530	1,370	5.3	4.2	2,550	3,480	8.8	10.8
Total .....	1,740	1,600	4.4	3.8	3,160	4,200	8.1	9.9
<b>South</b>								
Arkansas .....	140	150	1.7	1.7	260	340	3.2	3.8
Florida .....	280	250	4.3	4.1	1,660	1,630	25.6	26.7
Georgia .....	170	170	2.4	2.4	390	510	5.4	7.2
Other States .....	320	290	2.0	1.8	690	970	4.2	5.9
Total .....	910	860	2.4	2.2	3,000	3,450	7.9	8.9
<b>Midwest</b>								
Illinois .....	560	640	3.3	3.5	620	550	3.6	3.0
Indiana .....	400	420	4.1	4.0	390	460	4.0	4.3
Iowa .....	760	760	3.1	2.8	640	810	2.6	3.0
Minnesota .....	480	570	3.1	3.2	630	860	4.1	4.8
Missouri .....	310	410	3.8	3.9	320	490	3.9	4.6
Wisconsin .....	360	390	3.8	3.6	730	870	7.6	8.1
Other States .....	560	710	3.8	4.1	1,160	1,630	8.0	9.4
Total .....	3,430	3,900	3.5	3.5	4,490	5,670	4.5	5.1
<b>Plains</b>								
Kansas .....	410	480	3.5	2.9	510	610	4.3	3.7
Nebraska .....	780	770	4.5	3.5	600	580	3.5	2.6
Texas .....	1,050	840	4.6	3.5	1,690	1,830	7.4	7.7
Other States .....	790	850	3.6	3.2	940	1,370	4.3	5.1
Total .....	3,030	2,940	4.1	3.3	3,740	4,390	5.1	4.9
<b>West</b>								
California .....	1,040	950	3.4	3.0	7,480	7,480	24.1	24.0
Washington .....	210	220	3.1	2.6	1,380	1,870	20.1	22.1
Other States .....	940	1,030	3.0	3.4	3,550	3,740	11.5	12.4
Total .....	2,190	2,200	3.2	3.1	12,410	13,090	18.0	18.7
<b>United States .....</b>	<b>11,300</b>	<b>11,500</b>	<b>3.5</b>	<b>3.3</b>	<b>26,800</b>	<b>30,800</b>	<b>8.4</b>	<b>8.8</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011 (million dollars)	2012 (million dollars)	2011 (percent of total)	2012 (percent of total)	2011 (million dollars)	2012 (million dollars)	2011 (percent of total)	2012 (percent of total)
<b>Atlantic</b>								
North Carolina .....	400	430	3.9	4.2	330	350	3.3	3.4
Other States .....	1,490	1,610	5.1	5.0	2,050	2,240	7.1	6.9
Total .....	1,890	2,040	4.8	4.8	2,380	2,590	6.1	6.1
<b>South</b>								
Arkansas .....	510	540	6.3	6.0	350	320	4.3	3.6
Florida .....	270	250	4.2	4.1	360	310	5.5	5.1
Georgia .....	380	330	5.3	4.6	270	320	3.7	4.5
Other States .....	770	780	4.7	4.8	680	740	4.2	4.5
Total .....	1,930	1,900	5.1	4.9	1,660	1,690	4.4	4.4
<b>Midwest</b>								
Illinois .....	770	720	4.5	4.0	720	750	4.2	4.1
Indiana .....	450	460	4.6	4.3	530	500	5.5	4.7
Iowa .....	830	820	3.4	3.1	1,090	1,090	4.5	4.1
Minnesota .....	770	760	5.0	4.3	860	910	5.5	5.1
Missouri .....	470	540	5.8	5.1	470	540	5.8	5.1
Wisconsin .....	480	520	5.0	4.8	740	760	7.7	7.1
Other States .....	710	760	4.9	4.4	850	990	5.8	5.7
Total .....	4,480	4,580	4.5	4.1	5,260	5,540	5.3	4.9
<b>Plains</b>								
Kansas .....	640	600	5.4	3.7	550	660	4.7	4.0
Nebraska .....	770	910	4.4	4.1	780	950	4.5	4.3
Texas .....	1,150	1,050	5.1	4.4	900	1,080	4.0	4.5
Other States .....	1,320	1,340	6.0	5.0	1,280	1,430	5.8	5.4
Total .....	3,880	3,900	5.3	4.4	3,510	4,120	4.8	4.6
<b>West</b>								
California .....	1,120	1,200	3.6	3.9	1,430	1,620	4.6	5.2
Washington .....	320	320	4.7	3.8	370	520	5.4	6.1
Other States .....	1,680	1,460	5.4	4.8	1,690	1,820	5.5	6.0
Total .....	3,120	2,980	4.5	4.3	3,490	3,960	5.1	5.7
<b>United States .....</b>	<b>15,300</b>	<b>15,400</b>	<b>4.8</b>	<b>4.4</b>	<b>16,300</b>	<b>17,900</b>	<b>5.1</b>	<b>5.1</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011 (million dollars)	2012 (million dollars)	2011 (percent of total)	2012 (percent of total)	2011 (million dollars)	2012 (million dollars)	2011 (percent of total)	2012 (percent of total)
<b>Atlantic</b>								
North Carolina .....	380	280	3.8	2.7	220	260	2.2	2.5
Other States .....	2,300	2,160	7.9	6.7	1,240	1,670	4.3	5.2
Total .....	2,680	2,440	6.9	5.7	1,460	1,930	3.7	4.5
<b>South</b>								
Arkansas .....	250	320	3.1	3.6	210	410	2.6	4.6
Florida .....	180	200	2.8	3.3	110	130	1.7	2.1
Georgia .....	180	230	2.5	3.2	240	330	3.3	4.6
Other States .....	580	520	3.6	3.2	620	1,080	3.8	6.6
Total .....	1,190	1,270	3.1	3.3	1,180	1,950	3.1	5.1
<b>Midwest</b>								
Illinois .....	670	660	3.9	3.6	810	1,120	4.7	6.2
Indiana .....	430	550	4.4	5.2	480	620	5.0	5.9
Iowa .....	1,140	1,340	4.7	5.0	880	1,520	3.6	5.7
Minnesota .....	640	820	4.1	4.6	720	1,140	4.6	6.4
Missouri .....	330	460	4.0	4.3	380	490	4.7	4.6
Wisconsin .....	590	720	6.2	6.7	540	570	5.6	5.3
Other States .....	850	830	5.8	4.8	1,050	950	7.2	5.5
Total .....	4,650	5,380	4.7	4.8	4,860	6,410	4.9	5.7
<b>Plains</b>								
Kansas .....	370	470	3.1	2.9	420	670	3.6	4.1
Nebraska .....	540	630	3.1	2.9	660	760	3.8	3.5
Texas .....	940	940	4.1	4.0	730	1,070	3.2	4.5
Other States .....	1,450	1,630	6.6	6.1	1,420	1,920	6.4	7.2
Total .....	3,300	3,670	4.5	4.1	3,230	4,420	4.4	5.0
<b>West</b>								
California .....	1,000	1,080	3.2	3.5	520	490	1.7	1.6
Washington .....	300	310	4.4	3.7	120	190	1.7	2.2
Other States .....	1,180	1,250	3.8	4.1	1,130	1,210	3.7	4.0
Total .....	2,480	2,640	3.6	3.8	1,770	1,890	2.6	2.7
<b>United States .....</b>	<b>14,300</b>	<b>15,400</b>	<b>4.5</b>	<b>4.4</b>	<b>12,500</b>	<b>16,600</b>	<b>3.9</b>	<b>4.7</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011	2012	2011	2012	2011	2012	2011	2012
	(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 .....	60	90	0.6	0.9	340	350	3.4	3.4
Other States .....	740	770	2.6	2.4	1,310	1,510	4.5	4.7
Total .....	800	860	2.0	2.0	1,650	1,860	4.2	4.4
<b>South</b>								
Arkansas .....	90	170	1.1	1.9	430	520	5.3	5.8
Florida .....	40	30	0.6	0.5	330	380	5.1	6.2
Georgia .....	60	100	0.8	1.4	320	350	4.4	4.9
Other States .....	160	270	1.0	1.7	730	750	4.5	4.6
Total .....	350	570	0.9	1.5	1,810	2,000	4.8	5.2
<b>Midwest</b>								
Illinois .....	460	550	2.7	3.0	1,820	1,930	10.6	10.6
Indiana .....	270	310	2.8	2.9	890	980	9.2	9.3
Iowa .....	480	690	2.0	2.6	1,820	2,010	7.5	7.5
Minnesota .....	460	610	3.0	3.4	1,450	1,600	9.3	9.0
Missouri .....	210	270	2.6	2.5	580	740	7.1	7.0
Wisconsin .....	280	360	2.9	3.3	530	660	5.5	6.1
Other States .....	580	570	4.0	3.3	1,320	1,440	9.0	8.3
Total .....	2,740	3,360	2.8	3.0	8,410	9,360	8.5	8.4
<b>Plains</b>								
Kansas .....	230	320	2.0	2.0	570	730	4.8	4.5
Nebraska .....	320	420	1.8	1.9	1,040	1,200	6.0	5.5
Texas .....	290	390	1.3	1.6	640	800	2.8	3.4
Other States .....	780	1,090	3.5	4.1	1,400	1,890	6.3	7.1
Total .....	1,620	2,220	2.2	2.5	3,650	4,620	4.9	5.2
<b>West</b>								
California .....	270	150	0.9	0.5	1,070	1,200	3.5	3.9
Washington .....	50	130	0.7	1.5	250	260	3.6	3.1
Other States .....	570	510	1.8	1.7	960	1,000	3.1	3.3
Total .....	890	790	1.3	1.1	2,280	2,460	3.3	3.5
<b>United States .....</b>	<b>6,400</b>	<b>7,800</b>	<b>2.0</b>	<b>2.2</b>	<b>17,800</b>	<b>20,300</b>	<b>5.6</b>	<b>5.8</b>

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## Farm Production Expenditures – Region, State, and United States: 2011 and 2012 (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			
	2011	2012	2011	2012	2011	2012	2011	2012
	(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 .....	70	80	0.7	0.8	10	10	0.1	0.1
Other States .....	550	510	1.9	1.6	30	90	0.1	0.3
Total .....	620	590	1.6	1.4	40	100	0.1	0.2
<b>South</b>								
Arkansas .....	100	165	1.2	1.8	(Z)	5	(Z)	0.1
Florida .....	55	75	0.8	1.2	15	5	0.2	0.1
Georgia .....	80	120	1.1	1.7	(Z)	10	(Z)	0.1
Other States .....	265	300	1.6	1.8	5	20	(Z)	0.1
Total .....	500	660	1.3	1.7	20	40	0.1	0.1
<b>Midwest</b>								
Illinois .....	195	275	1.1	1.5	15	45	0.1	0.2
Indiana .....	85	140	0.9	1.3	5	20	0.1	0.2
Iowa .....	290	290	1.2	1.1	10	20	(Z)	0.1
Minnesota .....	150	255	1.0	1.4	10	20	0.1	0.1
Missouri .....	120	200	1.5	1.9	(Z)	10	(Z)	0.1
Wisconsin .....	135	120	1.4	1.1	5	5	0.1	(Z)
Other States .....	155	210	1.1	1.2	15	30	0.1	0.2
Total .....	1,130	1,490	1.1	1.3	60	150	0.1	0.1
<b>Plains</b>								
Kansas .....	145	215	1.2	1.3	5	10	(Z)	0.1
Nebraska .....	215	235	1.2	1.1	5	5	(Z)	(Z)
Texas .....	385	440	1.7	1.9	5	10	(Z)	(Z)
Other States .....	475	660	2.2	2.5	5	65	(Z)	0.2
Total .....	1,220	1,550	1.7	1.7	20	90	(Z)	0.1
<b>West</b>								
California .....	230	160	0.7	0.5	40	60	0.1	0.2
Washington .....	90	70	1.3	0.8	10	40	0.1	0.5
Other States .....	580	480	1.9	1.6	90	40	0.3	0.1
Total .....	900	710	1.3	1.0	140	140	0.2	0.2
<b>United States .....</b>	<b>4,370</b>	<b>5,000</b>	<b>1.4</b>	<b>1.4</b>	<b>280</b>	<b>520</b>	<b>0.1</b>	<b>0.1</b>

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.3	21.5	8,000	8,500	3,510	3,710
Feed .....	61.2	58.3	20,740	22,247	9,100	9,710
Farm services .....	94.4	86.4	10,279	10,883	4,510	4,750
Rent .....	22.7	19.1	2,917	3,574	1,280	1,560
Agricultural chemicals .....	39.1	31.7	2,507	2,726	1,100	1,190
Fertilizer, lime and soil conditioners .....	48.5	43.5	4,854	5,636	2,130	2,460
Interest .....	29.1	25.5	2,439	2,337	1,070	1,020
Taxes .....	100.0	100.0	3,966	3,666	1,740	1,600
Labor .....	28.9	24.4	7,202	9,623	3,160	4,200
Fuel .....	89.5	80.4	4,307	4,674	1,890	2,040
Farm supplies and repairs .....	87.6	78.9	5,424	5,934	2,380	2,590
Farm improvements and construction .....	50.9	48.4	6,108	5,590	2,680	2,440
Tractors and self-propelled farm machinery .....	12.7	13.8	3,327	4,422	1,460	1,930
Other farm machinery .....	19.9	12.5	1,823	1,970	800	860
Seeds and plants .....	41.2	34.8	3,761	4,261	1,650	1,860
Trucks and autos .....	13.2	10.0	1,413	1,352	620	590
Miscellaneous capital expenses .....	2.4	1.9	91	229	40	100
Total farm production expenditures .....	100.0	100.0	89,158	97,624	39,120	42,610

## Farm Production Expenditures Total by Year – Atlantic Region: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(million dollars)				
Livestock, poultry and related expenses .....	3,060	3,080	3,180	3,510	3,710
Feed .....	8,250	7,020	7,590	9,100	9,710
Farm services .....	4,800	4,480	4,380	4,510	4,750
Rent .....	1,120	1,110	1,320	1,280	1,560
Agricultural chemicals .....	970	1,050	940	1,100	1,190
Fertilizer, lime and soil conditioners .....	2,090	1,770	1,900	2,130	2,460
Interest .....	1,490	1,270	1,110	1,070	1,020
Taxes .....	1,770	1,530	1,520	1,740	1,600
Labor .....	4,110	3,920	3,490	3,160	4,200
Fuel .....	1,980	1,580	1,640	1,890	2,040
Farm supplies and repairs .....	2,180	2,310	2,450	2,380	2,590
Farm improvements and construction .....	2,620	2,540	2,060	2,680	2,440
Tractors and self-propelled farm machinery .....	1,350	1,130	1,520	1,460	1,930
Other farm machinery .....	780	560	660	800	860
Seeds and plants .....	1,700	1,560	1,550	1,650	1,860
Trucks and autos .....	580	550	590	620	590
Miscellaneous capital expenses .....	30	30	50	40	100
Total farm production expenditures .....	38,880	35,490	35,950	39,120	42,610

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.1	19.0	30,952	31,400	1,560	1,570
Feed .....	61.1	52.1	75,397	77,600	3,800	3,880
Farm services .....	91.7	82.4	19,643	17,800	990	890
Rent .....	28.9	26.6	4,762	5,200	240	260
Agricultural chemicals .....	48.5	41.8	5,952	5,600	300	280
Fertilizer, lime and soil conditioners .....	61.2	55.5	9,325	9,200	470	460
Interest .....	24.2	17.2	2,778	2,400	140	120
Taxes .....	100.0	100.0	4,167	4,600	210	230
Labor .....	30.5	25.5	12,103	14,400	610	720
Fuel .....	89.7	85.4	7,937	8,600	400	430
Farm supplies and repairs .....	86.8	75.1	6,548	7,000	330	350
Farm improvements and construction .....	51.4	41.6	7,540	5,600	380	280
Tractors and self-propelled farm machinery .....	17.3	11.2	4,365	5,200	220	260
Other farm machinery .....	18.2	9.0	1,190	1,800	60	90
Seeds and plants .....	38.7	40.0	6,746	7,000	340	350
Trucks and autos .....	14.8	10.5	1,389	1,600	70	80
Miscellaneous capital expenses .....	10.5	0.8	198	200	10	10
Total farm production expenditures .....	100.0	100.0	200,992	205,200	10,130	10,260

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.5	21.9	5,021	5,537	1,950	2,140
Feed .....	61.2	59.1	13,647	15,085	5,300	5,830
Farm services .....	94.7	86.9	9,064	9,988	3,520	3,860
Rent .....	21.9	18.1	2,678	3,364	1,040	1,300
Agricultural chemicals .....	37.9	30.4	2,060	2,355	800	910
Fertilizer, lime and soil conditioners .....	46.8	42.0	4,274	5,175	1,660	2,000
Interest .....	29.8	26.5	2,395	2,329	930	900
Taxes .....	100.0	100.0	3,940	3,545	1,530	1,370
Labor .....	28.7	24.2	6,566	9,005	2,550	3,480
Fuel .....	89.5	79.7	3,837	4,166	1,490	1,610
Farm supplies and repairs .....	87.7	79.4	5,278	5,796	2,050	2,240
Farm improvements and construction .....	50.8	49.2	5,922	5,589	2,300	2,160
Tractors and self-propelled farm machinery .....	12.1	14.1	3,193	4,321	1,240	1,670
Other farm machinery .....	20.2	12.9	1,905	1,992	740	770
Seeds and plants .....	41.5	34.2	3,373	3,907	1,310	1,510
Trucks and autos .....	13.0	9.9	1,416	1,320	550	510
Miscellaneous capital expenses .....	1.3	2.0	77	233	30	90
Total farm production expenditures .....	100.0	100.0	74,645	83,706	28,990	32,350

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	20.2	19.9	11,450	9,066	3,300	2,600
Feed .....	65.4	56.4	36,884	33,926	10,630	9,730
Farm services .....	93.8	89.3	16,031	15,167	4,620	4,350
Rent .....	23.5	20.5	6,593	6,799	1,900	1,950
Agricultural chemicals .....	39.6	36.5	6,489	7,183	1,870	2,060
Fertilizer, lime and soil conditioners .....	49.8	51.0	8,223	9,868	2,370	2,830
Interest .....	22.8	20.9	2,984	2,336	860	670
Taxes .....	99.8	99.1	3,158	2,999	910	860
Labor .....	25.2	27.0	10,409	12,029	3,000	3,450
Fuel .....	87.0	82.2	6,697	6,625	1,930	1,900
Farm supplies and repairs .....	81.3	78.4	5,760	5,893	1,660	1,690
Farm improvements and construction .....	41.5	42.0	4,129	4,428	1,190	1,270
Tractors and self-propelled farm machinery .....	13.5	12.6	4,094	6,799	1,180	1,950
Other farm machinery .....	13.1	10.5	1,214	1,987	350	570
Seeds and plants .....	32.1	31.6	6,280	6,974	1,810	2,000
Trucks and autos .....	15.4	10.8	1,735	2,301	500	660
Miscellaneous capital expenses .....	4.7	1.2	69	139	20	40
Total farm production expenditures .....	100.0	100.0	132,200	134,519	38,100	38,580

## Farm Production Expenditures Total by Year – South Region: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(million dollars)				
Livestock, poultry and related expenses .....	2,480	2,590	2,450	3,300	2,600
Feed .....	7,220	7,140	8,650	10,630	9,730
Farm services .....	4,370	3,980	4,410	4,620	4,350
Rent .....	1,650	1,630	1,810	1,900	1,950
Agricultural chemicals .....	1,660	1,830	1,690	1,870	2,060
Fertilizer, lime and soil conditioners .....	2,320	2,010	1,970	2,370	2,830
Interest .....	1,060	910	860	860	670
Taxes .....	790	800	830	910	860
Labor .....	3,750	3,270	3,300	3,000	3,450
Fuel .....	1,960	1,540	1,630	1,930	1,900
Farm supplies and repairs .....	1,640	1,470	1,610	1,660	1,690
Farm improvements and construction .....	1,350	980	1,140	1,190	1,270
Tractors and self-propelled farm machinery .....	990	840	1,020	1,180	1,950
Other farm machinery .....	350	270	310	350	570
Seeds and plants .....	1,630	1,610	1,720	1,810	2,000
Trucks and autos .....	540	470	460	500	660
Miscellaneous capital expenses .....	10	10	20	20	40
Total farm production expenditures .....	33,770	31,350	33,880	38,100	38,580

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	26.7	24.6	16,149	15,481	780	740
Feed .....	64.4	58.2	50,932	50,837	2,460	2,430
Farm services .....	91.6	90.8	15,942	17,573	770	840
Rent .....	25.4	25.2	13,043	16,318	630	780
Agricultural chemicals .....	37.8	32.8	8,489	10,251	410	490
Fertilizer, lime and soil conditioners .....	35.6	42.5	10,145	13,389	490	640
Interest .....	27.7	23.7	3,934	3,138	190	150
Taxes .....	100.0	100.0	2,899	3,138	140	150
Labor .....	30.1	28.8	5,383	7,113	260	340
Fuel .....	81.3	80.4	10,559	11,297	510	540
Farm supplies and repairs .....	75.3	78.5	7,246	6,695	350	320
Farm improvements and construction .....	45.0	48.0	5,176	6,695	250	320
Tractors and self-propelled farm machinery .....	17.9	14.6	4,348	8,577	210	410
Other farm machinery .....	16.7	11.5	1,863	3,556	90	170
Seeds and plants .....	22.8	29.7	8,903	10,879	430	520
Trucks and autos .....	17.4	14.8	2,070	3,452	100	165
Miscellaneous capital expenses .....	9.6	1.6	(X)	105	(Z)	5
Total farm production expenditures .....	100.0	100.0	167,081	188,494	8,070	9,010

(X) Not applicable.

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	14.5	12.3	2,947	2,526	140	120
Feed .....	61.3	51.5	13,684	11,368	650	540
Farm services .....	93.1	95.4	24,000	20,000	1,140	950
Rent .....	17.8	14.2	4,842	3,789	230	180
Agricultural chemicals .....	45.7	41.8	7,368	9,053	350	430
Fertilizer, lime and soil conditioners .....	48.5	54.8	10,947	11,368	520	540
Interest .....	20.6	13.7	3,368	1,895	160	90
Taxes .....	100.0	100.0	5,895	5,263	280	250
Labor .....	36.8	33.9	34,947	34,316	1,660	1,630
Fuel .....	83.6	83.1	5,684	5,263	270	250
Farm supplies and repairs .....	81.1	74.3	7,579	6,526	360	310
Farm improvements and construction .....	37.4	36.5	3,789	4,211	180	200
Tractors and self-propelled farm machinery .....	12.6	7.5	2,316	2,737	110	130
Other farm machinery .....	12.2	3.4	842	632	40	30
Seeds and plants .....	25.1	23.1	6,947	8,000	330	380
Trucks and autos .....	12.1	6.0	1,158	1,579	55	75
Miscellaneous capital expenses .....	7.9	0.8	316	105	15	5
Total farm production expenditures .....	100.0	100.0	136,632	128,632	6,490	6,110

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.3	18.9	15,532	12,128	730	570
Feed .....	63.4	51.0	53,191	44,468	2,500	2,090
Farm services .....	93.0	82.1	16,170	16,596	760	780
Rent .....	22.0	20.1	4,255	3,617	200	170
Agricultural chemicals .....	42.3	42.5	6,809	7,660	320	360
Fertilizer, lime and soil conditioners .....	63.5	54.8	9,787	10,851	460	510
Interest .....	22.7	21.3	3,617	3,404	170	160
Taxes .....	100.0	100.0	3,617	3,617	170	170
Labor .....	29.1	27.5	8,298	10,851	390	510
Fuel .....	88.8	78.2	8,085	7,021	380	330
Farm supplies and repairs .....	84.2	72.2	5,745	6,809	270	320
Farm improvements and construction .....	44.3	42.0	3,830	4,894	180	230
Tractors and self-propelled farm machinery .....	14.7	12.1	5,106	7,021	240	330
Other farm machinery .....	17.1	11.2	1,277	2,128	60	100
Seeds and plants .....	32.3	35.1	6,809	7,447	320	350
Trucks and autos .....	17.9	12.3	1,702	2,553	80	120
Miscellaneous capital expenses .....	10.3	2.1	(X)	213	(Z)	10
Total farm production expenditures .....	100.0	100.0	153,830	151,277	7,230	7,110

(X) Not applicable.

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, South Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	18.8	21.3	11,348	8,097	1,650	1,170
Feed .....	67.6	59.1	34,525	32,318	5,020	4,670
Farm services .....	95.1	89.1	13,411	12,318	1,950	1,780
Rent .....	25.3	21.2	5,777	5,675	840	820
Agricultural chemicals .....	37.3	34.1	5,433	5,398	790	780
Fertilizer, lime & soil conditioners .....	50.6	51.3	6,190	7,889	900	1,140
Interest .....	22.0	22.2	2,338	1,869	340	270
Taxes .....	99.7	98.3	2,201	2,007	320	290
Labor .....	18.6	24.1	4,746	6,713	690	970
Fuel .....	89.5	83.9	5,296	5,398	770	780
Farm supplies and repairs .....	82.4	81.8	4,677	5,121	680	740
Farm improvements and construction .....	40.7	41.8	3,989	3,599	580	520
Tractors and self-propelled farm machinery .....	12.0	13.7	4,264	7,474	620	1,080
Other farm machinery .....	10.9	12.2	1,100	1,869	160	270
Seeds and plants .....	37.4	33.8	5,021	5,190	730	750
Trucks and autos .....	14.9	10.7	1,823	2,076	265	300
Miscellaneous capital expenses .....	0.2	0.9	34	138	5	20
Total farm production expenditures .....	100.0	100.0	112,173	113,149	16,310	16,350

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.2	24.0	10,035	11,706	6,230	7,220
Feed .....	51.7	46.8	20,828	23,687	12,930	14,610
Farm services .....	93.2	91.9	14,803	16,732	9,190	10,320
Rent .....	33.8	34.0	20,828	22,811	12,930	14,070
Agricultural chemicals .....	46.7	46.7	6,298	7,571	3,910	4,670
Fertilizer, lime and soil conditioners .....	50.6	56.1	17,445	19,812	10,830	12,220
Interest .....	42.9	36.7	5,316	4,864	3,300	3,000
Taxes .....	99.9	99.9	5,525	6,323	3,430	3,900
Labor .....	23.3	22.6	7,233	9,193	4,490	5,670
Fuel .....	84.4	80.0	7,216	7,425	4,480	4,580
Farm supplies and repairs .....	83.3	77.7	8,473	8,982	5,260	5,540
Farm improvements and construction .....	52.2	48.5	7,490	8,722	4,650	5,380
Tractors and self-propelled farm machinery .....	23.2	16.1	7,829	10,392	4,860	6,410
Other farm machinery .....	27.8	20.7	4,414	5,447	2,740	3,360
Seeds and plants .....	50.6	51.7	13,547	15,175	8,410	9,360
Trucks and autos .....	19.8	13.9	1,820	2,416	1,130	1,490
Miscellaneous capital expenses .....	11.9	2.0	97	243	60	150
Total farm production expenditures .....	100.0	100.0	159,198	181,501	98,830	111,950

## Farm Production Expenditures Total by Year – Midwest Region: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(million dollars)				
Livestock, poultry and related expenses .....	6,640	6,400	5,760	6,230	7,220
Feed .....	11,020	11,310	11,170	12,930	14,610
Farm services .....	9,170	8,930	8,510	9,190	10,320
Rent .....	10,620	10,780	12,110	12,930	14,070
Agricultural chemicals .....	3,890	3,770	3,380	3,910	4,670
Fertilizer, lime and soil conditioners .....	9,110	8,560	8,960	10,830	12,220
Interest .....	4,040	3,730	3,450	3,300	3,000
Taxes .....	3,270	3,270	3,340	3,430	3,900
Labor .....	4,680	4,700	4,250	4,490	5,670
Fuel .....	4,750	3,890	3,760	4,480	4,580
Farm supplies and repairs .....	4,620	4,590	4,730	5,260	5,540
Farm improvements and construction .....	5,220	4,480	3,980	4,650	5,380
Tractors and self-propelled farm machinery .....	4,260	3,360	3,890	4,860	6,410
Other farm machinery .....	2,440	1,930	2,000	2,740	3,360
Seeds and plants .....	6,280	7,180	7,450	8,410	9,360
Trucks and autos .....	1,270	1,070	900	1,130	1,490
Miscellaneous capital expenses .....	70	60	50	60	150
Total farm production expenditures .....	91,350	88,010	87,690	98,830	111,950

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	16.9	14.9	4,155	8,075	310	600
Feed .....	37.9	27.0	13,807	12,921	1,030	960
Farm services .....	93.6	88.5	18,901	19,919	1,410	1,480
Rent .....	42.7	41.9	50,134	51,144	3,740	3,800
Agricultural chemicals .....	56.2	57.4	12,064	13,190	900	980
Fertilizer, lime and soil conditioners .....	58.0	64.0	34,450	35,262	2,570	2,620
Interest .....	47.5	38.6	6,702	6,057	500	450
Taxes .....	100.0	100.0	7,507	8,614	560	640
Labor .....	23.8	27.2	8,311	7,402	620	550
Fuel .....	82.0	77.3	10,322	9,690	770	720
Farm supplies and repairs .....	81.3	74.5	9,651	10,094	720	750
Farm improvements and construction .....	53.9	49.0	8,981	8,883	670	660
Tractors and self-propelled farm machinery .....	27.3	20.6	10,858	15,074	810	1,120
Other farm machinery .....	25.9	22.8	6,166	7,402	460	550
Seeds and plants .....	59.5	64.1	24,397	25,976	1,820	1,930
Trucks and autos .....	22.9	18.1	2,614	3,701	195	275
Miscellaneous capital expenses .....	15.9	2.8	201	606	15	45
Total farm production expenditures .....	100.0	100.0	229,223	244,011	17,100	18,130

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	27.4	24.0	4,355	5,500	270	330
Feed .....	55.9	44.6	19,032	18,333	1,180	1,100
Farm services .....	95.8	90.3	13,065	14,500	810	870
Rent .....	32.2	32.9	22,258	25,667	1,380	1,540
Agricultural chemicals .....	49.6	48.8	7,258	8,667	450	520
Fertilizer, lime and soil conditioners .....	56.3	59.2	21,613	24,500	1,340	1,470
Interest .....	41.5	38.1	5,161	4,833	320	290
Taxes .....	100.0	100.0	6,452	7,000	400	420
Labor .....	28.0	21.0	6,290	7,667	390	460
Fuel .....	82.6	74.9	7,258	7,667	450	460
Farm supplies and repairs .....	85.0	75.4	8,548	8,333	530	500
Farm improvements and construction .....	56.8	50.0	6,935	9,167	430	550
Tractors and self-propelled farm machinery .....	25.1	13.6	7,742	10,333	480	620
Other farm machinery .....	28.2	17.8	4,355	5,167	270	310
Seeds and plants .....	54.6	56.7	14,355	16,333	890	980
Trucks and autos .....	18.4	13.6	1,371	2,333	85	140
Miscellaneous capital expenses .....	14.7	2.2	81	333	5	20
Total farm production expenditures .....	100.0	100.0	156,129	176,333	9,680	10,580

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.9	23.1	33,261	32,646	3,070	3,010
Feed .....	39.3	36.5	42,687	48,048	3,940	4,430
Farm services .....	91.9	90.1	20,043	22,885	1,850	2,110
Rent .....	40.9	45.4	37,378	40,564	3,450	3,740
Agricultural chemicals .....	57.8	55.2	8,776	10,954	810	1,010
Fertilizer, lime and soil conditioners .....	59.0	61.2	25,460	27,657	2,350	2,550
Interest .....	49.9	43.5	8,559	6,941	790	640
Taxes .....	99.9	100.0	8,234	8,243	760	760
Labor .....	26.4	27.3	6,934	8,785	640	810
Fuel .....	77.7	76.0	8,992	8,894	830	820
Farm supplies and repairs .....	76.4	73.8	11,809	11,822	1,090	1,090
Farm improvements and construction .....	57.8	49.6	12,351	14,534	1,140	1,340
Tractors and self-propelled farm machinery .....	28.3	23.0	9,534	16,486	880	1,520
Other farm machinery .....	30.2	24.6	5,200	7,484	480	690
Seeds and plants .....	62.4	62.7	19,718	21,800	1,820	2,010
Trucks and autos .....	26.2	17.1	3,142	3,145	290	290
Miscellaneous capital expenses .....	13.8	1.5	108	217	10	20
Total farm production expenditures .....	100.0	100.0	262,189	291,106	24,200	26,840

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	17.6	23.2	14,662	17,003	1,170	1,350
Feed .....	40.5	41.2	28,070	27,204	2,240	2,160
Farm services .....	91.2	93.9	19,298	21,285	1,540	1,690
Rent .....	36.7	32.5	22,556	24,937	1,800	1,980
Agricultural chemicals .....	51.8	53.1	7,018	8,564	560	680
Fertilizer, lime and soil conditioners .....	47.2	53.7	18,922	23,678	1,510	1,880
Interest .....	46.1	42.7	6,642	6,297	530	500
Taxes .....	100.0	100.0	6,015	7,179	480	570
Labor .....	21.0	25.6	7,895	10,831	630	860
Fuel .....	84.6	82.9	9,649	9,572	770	760
Farm supplies and repairs .....	82.3	83.1	10,777	11,461	860	910
Farm improvements and construction .....	55.5	52.8	8,020	10,327	640	820
Tractors and self-propelled farm machinery .....	28.4	18.7	9,023	14,358	720	1,140
Other farm machinery .....	32.5	30.1	5,764	7,683	460	610
Seeds and plants .....	53.0	55.0	18,170	20,151	1,450	1,600
Trucks and autos .....	24.3	15.9	1,880	3,212	150	255
Miscellaneous capital expenses .....	17.0	2.5	125	252	10	20
Total farm production expenditures .....	100.0	100.0	194,486	223,992	15,520	17,785

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	20.4	25.0	5,352	9,811	570	1,040
Feed .....	57.2	56.9	10,986	15,849	1,170	1,680
Farm services .....	91.7	94.1	7,981	8,679	850	920
Rent .....	25.6	26.5	7,606	9,151	810	970
Agricultural chemicals .....	31.7	33.5	3,474	4,623	370	490
Fertilizer, lime and soil conditioners .....	42.4	51.3	8,545	9,811	910	1,040
Interest .....	36.4	32.7	2,723	2,830	290	300
Taxes .....	100.0	100.0	2,911	3,868	310	410
Labor .....	21.6	22.3	3,005	4,623	320	490
Fuel .....	81.1	84.1	4,413	5,094	470	540
Farm supplies and repairs .....	81.9	76.6	4,413	5,094	470	540
Farm improvements and construction .....	48.2	43.6	3,099	4,340	330	460
Tractors and self-propelled farm machinery .....	18.6	10.7	3,568	4,623	380	490
Other farm machinery .....	22.2	14.3	1,972	2,547	210	270
Seeds and plants .....	28.6	38.0	5,446	6,981	580	740
Trucks and autos .....	20.6	12.6	1,127	1,887	120	200
Miscellaneous capital expenses .....	13.1	1.6	(X)	94	(Z)	10
Total farm production expenditures .....	100.0	100.0	76,620	99,906	8,160	10,590

(X) Not applicable.

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	33.5	29.3	3,896	3,776	300	290
Feed .....	66.4	59.8	23,117	24,479	1,780	1,880
Farm services .....	93.2	90.0	16,753	18,620	1,290	1,430
Rent .....	30.9	31.0	5,195	7,943	400	610
Agricultural chemicals .....	45.2	42.8	3,377	3,906	260	300
Fertilizer, lime and soil conditioners .....	51.7	51.5	9,091	11,458	700	880
Interest .....	50.2	42.0	5,974	5,339	460	410
Taxes .....	99.7	99.0	4,675	5,078	360	390
Labor .....	27.9	22.4	9,481	11,328	730	870
Fuel .....	86.8	82.6	6,234	6,771	480	520
Farm supplies and repairs .....	87.3	82.6	9,610	9,896	740	760
Farm improvements and construction .....	57.3	53.5	7,662	9,375	590	720
Tractors and self-propelled farm machinery .....	24.9	14.5	7,013	7,422	540	570
Other farm machinery .....	26.6	24.9	3,636	4,688	280	360
Seeds and plants .....	55.5	51.0	6,883	8,594	530	660
Trucks and autos .....	21.9	13.4	1,753	1,563	135	120
Miscellaneous capital expenses .....	14.8	0.6	65	65	5	5
Total farm production expenditures .....	100.0	100.0	124,416	140,299	9,580	10,775

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Midwest Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	27.4	26.6	4,199	4,684	540	600
Feed .....	60.4	54.1	12,364	18,735	1,590	2,400
Farm services .....	95.3	93.9	11,198	14,208	1,440	1,820
Rent .....	31.2	30.7	10,498	11,163	1,350	1,430
Agricultural chemicals .....	42.0	42.5	4,355	5,386	560	690
Fertilizer, lime and soil conditioners .....	45.8	54.6	11,275	13,895	1,450	1,780
Interest .....	34.9	26.5	3,188	3,201	410	410
Taxes .....	100.0	100.0	4,355	5,543	560	710
Labor .....	18.7	15.9	9,020	12,724	1,160	1,630
Fuel .....	92.8	80.3	5,521	5,933	710	760
Farm supplies and repairs .....	88.0	78.0	6,610	7,728	850	990
Farm improvements and construction .....	43.5	45.2	6,610	6,479	850	830
Tractors and self-propelled farm machinery .....	15.8	13.6	8,165	7,416	1,050	950
Other farm machinery .....	29.6	15.0	4,510	4,450	580	570
Seeds and plants .....	48.7	44.1	10,264	11,241	1,320	1,440
Trucks and autos .....	9.5	9.3	1,205	1,639	155	210
Miscellaneous capital expenses .....	0.8	2.7	117	234	15	30
Total farm production expenditures .....	100.0	100.0	113,453	134,660	14,590	17,250

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.3	22.8	24,150	30,693	12,220	15,500
Feed .....	65.2	57.6	19,585	25,842	9,910	13,050
Farm services .....	93.5	88.3	15,316	18,158	7,750	9,170
Rent .....	32.5	32.8	12,115	14,475	6,130	7,310
Agricultural chemicals .....	35.1	37.1	4,822	6,158	2,440	3,110
Fertilizer, lime and soil conditioners .....	37.0	42.1	11,403	13,584	5,770	6,860
Interest .....	34.0	25.6	4,763	3,762	2,410	1,900
Taxes .....	100.0	99.9	5,988	5,822	3,030	2,940
Labor .....	27.6	23.3	7,391	8,693	3,740	4,390
Fuel .....	82.2	76.9	7,668	7,723	3,880	3,900
Farm supplies and repairs .....	79.7	71.3	6,937	8,158	3,510	4,120
Farm improvements and construction .....	48.8	41.5	6,522	7,267	3,300	3,670
Tractors and self-propelled farm machinery .....	18.1	13.8	6,383	8,752	3,230	4,420
Other farm machinery .....	20.7	15.6	3,202	4,396	1,620	2,220
Seeds and plants .....	31.9	34.6	7,213	9,149	3,650	4,620
Trucks and autos .....	20.5	15.5	2,411	3,069	1,220	1,550
Miscellaneous capital expenses .....	8.9	1.4	40	178	20	90
Total farm production expenditures .....	100.0	100.0	145,909	175,881	73,830	88,820

## Farm Production Expenditures Total by Year – Plains Region: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(million dollars)				
Livestock, poultry and related expenses .....	13,320	11,480	10,780	12,220	15,500
Feed .....	10,170	10,500	8,650	9,910	13,050
Farm services .....	8,200	7,630	7,320	7,750	9,170
Rent .....	5,530	5,620	6,680	6,130	7,310
Agricultural chemicals .....	2,690	2,400	2,300	2,440	3,110
Fertilizer, lime and soil conditioners .....	5,470	4,660	4,950	5,770	6,860
Interest .....	2,680	2,500	2,250	2,410	1,900
Taxes .....	2,680	2,790	3,030	3,030	2,940
Labor .....	3,960	3,400	3,260	3,740	4,390
Fuel .....	4,080	3,030	3,270	3,880	3,900
Farm supplies and repairs .....	3,290	3,300	3,510	3,510	4,120
Farm improvements and construction .....	3,170	2,700	2,760	3,300	3,670
Tractors and self-propelled farm machinery .....	3,010	2,500	3,110	3,230	4,420
Other farm machinery .....	1,560	1,290	1,460	1,620	2,220
Seeds and plants .....	3,100	3,100	3,480	3,650	4,620
Trucks and autos .....	1,250	1,110	1,170	1,220	1,550
Miscellaneous capital expenses .....	40	40	30	20	90
Total farm production expenditures .....	74,200	68,050	68,010	73,830	88,820

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	31.1	22.9	37,557	55,725	2,460	3,650
Feed .....	51.3	42.0	22,901	43,511	1,500	2,850
Farm services .....	89.2	87.1	17,099	25,496	1,120	1,670
Rent .....	45.9	42.1	15,573	20,305	1,020	1,330
Agricultural chemicals .....	44.9	51.1	6,107	9,160	400	600
Fertilizer, lime and soil conditioners .....	56.1	57.8	14,809	19,084	970	1,250
Interest .....	45.1	33.6	6,718	4,275	440	280
Taxes .....	100.0	100.0	6,260	7,328	410	480
Labor .....	21.4	19.8	7,786	9,313	510	610
Fuel .....	80.3	74.3	9,771	9,160	640	600
Farm supplies and repairs .....	79.3	69.4	8,397	10,076	550	660
Farm improvements and construction .....	47.7	40.4	5,649	7,176	370	470
Tractors and self-propelled farm machinery .....	21.0	13.7	6,412	10,229	420	670
Other farm machinery .....	24.6	14.5	3,511	4,885	230	320
Seeds and plants .....	45.1	49.4	8,702	11,145	570	730
Trucks and autos .....	20.7	15.4	2,214	3,282	145	215
Miscellaneous capital expenses .....	14.9	1.4	76	153	5	10
Total farm production expenditures .....	100.0	100.0	179,542	250,305	11,760	16,395

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	30.9	29.5	76,496	113,490	3,580	5,300
Feed .....	46.3	52.9	37,821	63,169	1,770	2,950
Farm services .....	95.8	93.0	33,120	39,186	1,550	1,830
Rent .....	53.1	58.8	44,444	52,677	2,080	2,460
Agricultural chemicals .....	63.9	67.2	12,393	16,060	580	750
Fertilizer, lime and soil conditioners .....	65.7	65.2	33,547	37,901	1,570	1,770
Interest .....	54.3	48.4	10,256	9,208	480	430
Taxes .....	100.0	100.0	16,667	16,488	780	770
Labor .....	35.9	30.2	12,821	12,420	600	580
Fuel .....	83.7	81.1	16,453	19,486	770	910
Farm supplies and repairs .....	82.9	80.2	16,667	20,343	780	950
Farm improvements and construction .....	56.4	47.3	11,538	13,490	540	630
Tractors and self-propelled farm machinery .....	28.3	19.6	14,103	16,274	660	760
Other farm machinery .....	31.1	25.4	6,838	8,994	320	420
Seeds and plants .....	66.5	66.5	22,222	25,696	1,040	1,200
Trucks and autos .....	31.7	22.1	4,594	5,032	215	235
Miscellaneous capital expenses .....	16.4	1.9	107	107	5	5
Total farm production expenditures .....	100.0	100.0	370,085	470,021	17,320	21,950

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	17.3	18.3	17,959	17,041	4,400	4,170
Feed .....	74.1	65.1	20,612	21,782	5,050	5,330
Farm services .....	93.5	89.4	10,163	10,830	2,490	2,650
Rent .....	20.8	21.5	3,796	4,250	930	1,040
Agricultural chemicals .....	21.0	26.3	1,959	2,125	480	520
Fertilizer, lime and soil conditioners .....	26.4	36.8	4,245	4,904	1,040	1,200
Interest .....	17.3	16.3	2,122	1,716	520	420
Taxes .....	100.0	100.0	4,286	3,433	1,050	840
Labor .....	27.5	21.6	6,898	7,479	1,690	1,830
Fuel .....	82.8	77.0	4,694	4,291	1,150	1,050
Farm supplies and repairs .....	78.2	71.3	3,673	4,414	900	1,080
Farm improvements and construction .....	45.5	36.2	3,837	3,841	940	940
Tractors and self-propelled farm machinery .....	17.0	9.3	2,980	4,373	730	1,070
Other farm machinery .....	16.8	9.7	1,184	1,594	290	390
Seeds and plants .....	20.4	23.1	2,612	3,269	640	800
Trucks and autos .....	18.0	10.6	1,571	1,798	385	440
Miscellaneous capital expenses .....	9.8	1.0	20	41	5	10
Total farm production expenditures .....	100.0	100.0	92,612	97,180	22,690	23,780

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	27.3	27.9	11,970	16,070	1,780	2,380
Feed .....	62.5	53.5	10,693	12,964	1,590	1,920
Farm services .....	94.6	85.4	17,418	20,392	2,590	3,020
Rent .....	39.4	39.1	14,122	16,745	2,100	2,480
Agricultural chemicals .....	44.9	39.1	6,590	8,373	980	1,240
Fertilizer, lime & soil conditioners .....	37.1	36.6	14,728	17,826	2,190	2,640
Interest .....	50.3	30.1	6,523	5,199	970	770
Taxes .....	100.0	99.6	5,313	5,739	790	850
Labor .....	27.8	25.5	6,321	9,251	940	1,370
Fuel .....	81.4	76.4	8,877	9,048	1,320	1,340
Farm supplies and repairs .....	81.4	69.3	8,608	9,656	1,280	1,430
Farm improvements and construction .....	52.4	49.0	9,751	11,006	1,450	1,630
Tractors and self-propelled farm machinery .....	15.4	19.5	9,549	12,964	1,420	1,920
Other farm machinery .....	22.2	22.7	5,245	7,360	780	1,090
Seeds and plants .....	34.2	37.0	9,415	12,762	1,400	1,890
Trucks and autos .....	20.9	21.5	3,194	4,456	475	660
Miscellaneous capital expenses .....	2.2	2.1	34	439	5	65
Total farm production expenditures .....	100.0	100.0	148,352	180,250	22,060	26,695

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.9	23.5	10,469	9,376	3,340	2,970
Feed .....	50.7	45.7	37,706	37,885	12,030	12,000
Farm services .....	93.6	90.0	34,571	35,706	11,030	11,310
Rent .....	26.9	27.1	12,725	13,291	4,060	4,210
Agricultural chemicals .....	38.4	36.5	7,773	8,429	2,480	2,670
Fertilizer, lime and soil conditioners .....	36.9	39.3	12,537	13,039	4,000	4,130
Interest .....	32.4	25.4	6,770	5,399	2,160	1,710
Taxes .....	97.6	98.8	6,864	6,946	2,190	2,200
Labor .....	38.6	36.2	38,897	41,326	12,410	13,090
Fuel .....	80.2	74.2	9,779	9,408	3,120	2,980
Farm supplies and repairs .....	74.4	70.2	10,939	12,502	3,490	3,960
Farm improvements and construction .....	46.1	48.1	7,773	8,335	2,480	2,640
Tractors and self-propelled farm machinery .....	14.0	10.7	5,548	5,967	1,770	1,890
Other farm machinery .....	15.7	10.0	2,790	2,494	890	790
Seeds and plants .....	29.3	27.7	7,146	7,766	2,280	2,460
Trucks and autos .....	15.5	14.3	2,821	2,242	900	710
Miscellaneous capital expenses .....	6.3	2.7	439	442	140	140
Total farm production expenditures .....	100.0	100.0	215,546	220,552	68,770	69,860

## Farm Production Expenditures Total by Year – West Region: 2008-2012

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

Expenditure	2008	2009	2010	2011	2012
	(million dollars)				
Livestock, poultry and related expenses .....	2,800	2,350	2,230	3,340	2,970
Feed .....	10,240	9,030	9,340	12,030	12,000
Farm services .....	11,460	11,380	11,080	11,030	11,310
Rent .....	3,480	3,460	3,980	4,060	4,210
Agricultural chemicals .....	2,490	2,450	2,390	2,480	2,670
Fertilizer, lime and soil conditioners .....	3,510	3,100	3,220	4,000	4,130
Interest .....	2,730	2,590	2,530	2,160	1,710
Taxes .....	2,190	2,010	2,080	2,190	2,200
Labor .....	13,200	13,510	13,000	12,410	13,090
Fuel .....	3,230	2,360	2,600	3,120	2,980
Farm supplies and repairs .....	4,170	3,830	3,600	3,490	3,960
Farm improvements and construction .....	3,440	3,400	2,660	2,480	2,640
Tractors and self-propelled farm machinery .....	1,790	1,470	1,360	1,770	1,890
Other farm machinery .....	770	650	570	890	790
Seeds and plants .....	2,390	2,050	2,100	2,280	2,460
Trucks and autos .....	860	800	740	900	710
Miscellaneous capital expenses .....	70	60	40	140	140
Total farm production expenditures .....	68,820	64,500	63,520	68,770	69,860

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	10.6	15.6	9,571	8,820	780	710
Feed .....	32.3	36.2	62,699	68,075	5,110	5,480
Farm services .....	90.5	95.3	66,871	66,335	5,450	5,340
Rent .....	20.2	23.6	20,859	22,484	1,700	1,810
Agricultural chemicals .....	42.8	47.6	15,828	15,901	1,290	1,280
Fertilizer, lime and soil conditioners .....	49.0	51.9	19,877	18,758	1,620	1,510
Interest .....	26.1	22.8	10,307	7,950	840	640
Taxes .....	100.0	100.0	12,761	11,801	1,040	950
Labor .....	54.4	51.9	91,779	92,919	7,480	7,480
Fuel .....	71.6	77.4	13,742	14,907	1,120	1,200
Farm supplies and repairs .....	70.1	78.9	17,546	20,124	1,430	1,620
Farm improvements and construction .....	39.9	37.5	12,270	13,416	1,000	1,080
Tractors and self-propelled farm machinery .....	14.9	9.0	6,380	6,087	520	490
Other farm machinery .....	13.2	6.2	3,313	1,863	270	150
Seeds and plants .....	29.5	28.9	13,129	14,907	1,070	1,200
Trucks and autos .....	13.9	8.1	2,822	1,988	230	160
Miscellaneous capital expenses .....	10.3	3.1	491	745	40	60
Total farm production expenditures .....	100.0	100.0	380,245	387,081	30,990	31,160

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2011 and 2012

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

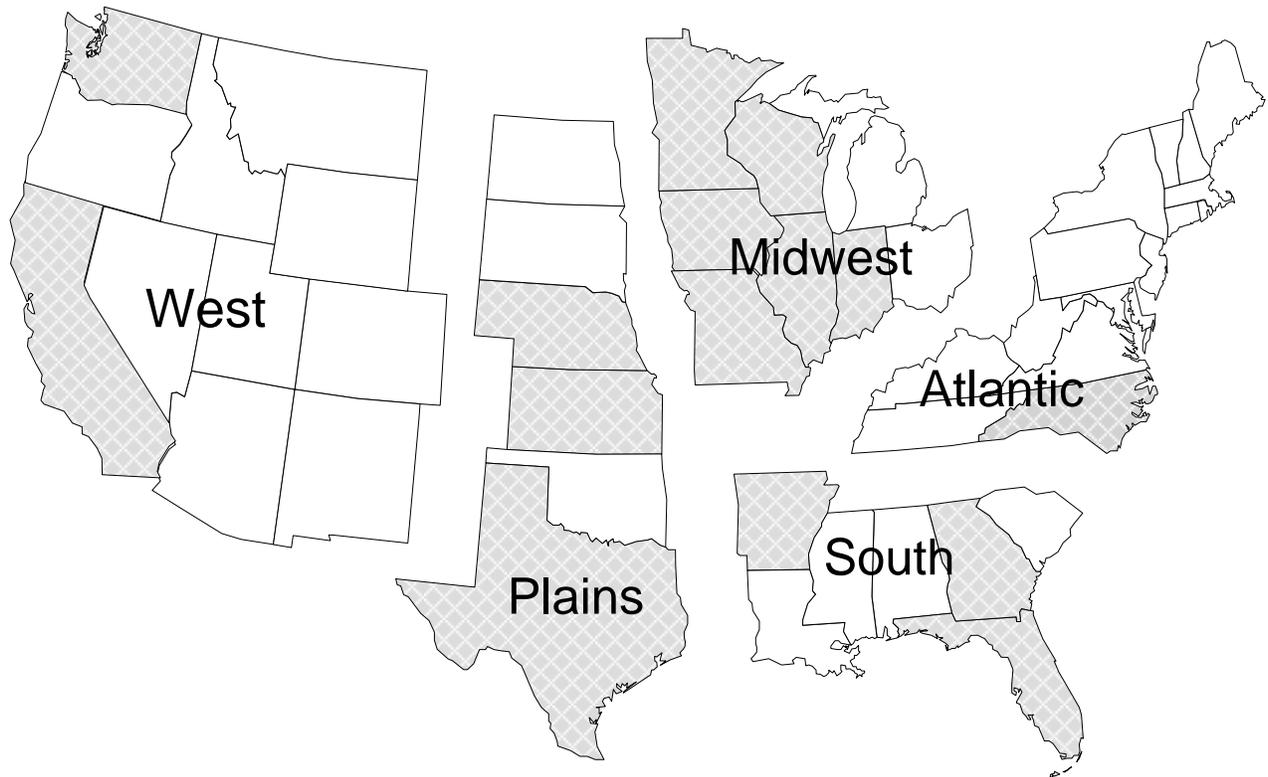
Expenditure	Farms reporting		Average per farm		Total expenditures	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	24.1	33.1	5,823	5,344	230	210
Feed .....	56.8	50.5	20,253	20,611	800	810
Farm services .....	97.4	87.2	35,696	43,257	1,410	1,700
Rent .....	22.7	21.7	10,380	13,486	410	530
Agricultural chemicals .....	36.7	33.0	9,114	11,705	360	460
Fertilizer, lime and soil conditioners .....	38.0	40.8	9,620	16,031	380	630
Interest .....	29.4	26.0	4,810	5,089	190	200
Taxes .....	99.8	100.0	5,316	5,598	210	220
Labor .....	30.4	32.8	34,937	47,583	1,380	1,870
Fuel .....	93.4	68.8	8,101	8,142	320	320
Farm supplies and repairs .....	88.9	69.5	9,367	13,232	370	520
Farm improvements and construction .....	47.5	42.1	7,595	7,888	300	310
Tractors and self-propelled farm machinery .....	14.0	9.0	3,038	4,835	120	190
Other farm machinery .....	12.9	12.0	1,266	3,308	50	130
Seeds and plants .....	33.5	34.1	6,329	6,616	250	260
Trucks and autos .....	18.5	14.3	2,278	1,781	90	70
Miscellaneous capital expenses .....	8.7	2.1	253	1,018	10	40
Total farm production expenditures .....	100.0	100.0	174,177	215,522	6,880	8,470

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2011 and 2012

[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	
	2011	2012	2011	2012	2011	2012
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	31.0	24.8	11,765	10,409	2,330	2,050
Feed .....	57.1	48.6	30,901	28,992	6,120	5,710
Farm services .....	94.1	88.4	21,055	21,681	4,170	4,270
Rent .....	30.6	29.5	9,846	9,495	1,950	1,870
Agricultural chemicals .....	36.9	32.6	4,191	4,722	830	930
Fertilizer, lime & soil conditioners .....	31.8	33.9	10,098	10,104	2,000	1,990
Interest .....	35.6	26.3	5,706	4,417	1,130	870
Taxes .....	96.2	98.1	4,746	5,230	940	1,030
Labor .....	33.7	30.5	17,925	18,990	3,550	3,740
Fuel .....	81.2	73.9	8,483	7,413	1,680	1,460
Farm supplies and repairs .....	73.3	66.8	8,533	9,241	1,690	1,820
Farm improvements and construction .....	48.4	53.7	5,958	6,347	1,180	1,250
Tractors and self-propelled farm machinery .....	13.6	11.7	5,706	6,144	1,130	1,210
Other farm machinery .....	17.3	11.1	2,878	2,589	570	510
Seeds and plants .....	28.3	25.9	4,847	5,077	960	1,000
Trucks and autos .....	15.6	16.9	2,929	2,437	580	480
Miscellaneous capital expenses .....	4.2	2.7	454	203	90	40
Total farm production expenditures .....	100.0	100.0	156,021	153,491	30,900	30,230

# 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

1/ Estimate State

## 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. The changes included the following: 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. As the agricultural community becomes increasingly more complex and integrated the demand for quality farm expenditure and income data continues to increase.

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 to provide more detailed information. See table below for historic economic class publication methods

<b>Prior to 2002</b>	<b>2002 to 2006</b>	<b>2007 to present</b>
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
-	\$1,000,000 and Over	\$1,000,000 - \$4,999,999
-	-	\$5,000,000 and Over

In 2003, Congress appropriated nearly \$7 million for the restoration and expansion of the ARMS program. The subsequent changes included: Increased sample size, recombining of expenditure categories, fuel sub-component estimates, and 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 by NASS the following year. This NASS funding restored the ARMS III sample to historical levels, as well as the restoration of 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.

In 2004, the first expenditure estimates were published for the 15 Leading Cash Receipts States. The farm production regions were reduced from 10 to five 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 survey edit was changed so that landlord real estate taxes would be carefully examined by editors. Research indicated this change was needed to improve data quality in the area of taxes. As a result, about 3,300 more Landlord Real Estate Tax questionnaire cells were imputed. The effect of the change accounts for only a portion of the increase between 2004 and 2005 in the taxes estimate. 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 all questionnaires in 2006.

During 2005 and 2006, an emphasis was placed on cattle farms where not all cattle are owned by the operation. These operations were identified and correctly recorded for production contracts and contractor livestock purchase expenditures. This edit work resulted in a break in the data series (about 1 percent of total expenditures). Research indicates that after the 1997 Agricultural Census, the 1999 Agricultural Economics and Land Ownership Survey, and an emphasis from ERS on contracts in general in the mid to late 1990s, a similar change in the data series occurred.

Also, in 2006, Miscellaneous capital expenses was added as a separate line-item to the publication. Summary inconsistencies with version five (CORE) questionnaires dictated that 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 publication 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.

## Statistical Methodology

**Survey:** The 2012 Agricultural Resource Management Survey

**Publication:** “Farm Production Expenditures 2012 Summary” was released on August 2, 2013. This publication is released early in August each year.

**Data Collection:** The Agricultural Resource Management Survey (ARMS III) was conducted January through April of 2013.

**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 which 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, etc.

Sample Design creates an additional strata (stratum 60) consisting of Farm Value of Sales (FVS) greater than \$5,000,000 in States where appropriate. The farm value of sales strata are subdivided into substrata defined by type of farm. These substrata are used in the sampling program to switch overburdened farms with similar less burdened farms.

June Area Survey (JAS) area non-overlap tracts for ARMS III with June farm value of sales (FVS) below \$1,000, after point determination, were not sampled for the 2012 ARMS. This includes operations which are determined to have pasture points only. All completed non-overlap tract reports are eligible for ARMS III expenditure survey sampling.

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. Questionnaire versions 1,2,3, and 4 are enumerated and version 5 can be EDR, mail return, or personal enumeration.

**Sample:** The 2012 sample was 32,096 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 2012, there were three COP commodities: Barley, Sorghum, and Broilers. The States involved this year were:

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

## Terms and Definitions

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

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

**Expense line-items:** All expense line-items (Rent, Interest, etc.) 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. (Edit procedures have been upgraded over the last several years to accurately identify operations with animal production contracts. This leads to an increase in recorded Livestock, Poultry, and Related Expenses for contractors.)

**Miscellaneous capital expenses:** Miscellaneous Capital Expense records any capital expenses not recorded in specific items on the questionnaire. It was estimated for the first time in 2005. Due the small size of this expense, a zero in this line-item denotes less than 5 million dollars. Average value derived from expenditure rounding to zero will also be zero.

**Other fuels:** Line-item includes all other forms of fuel not specifically listed in the questionnaire (natural gas, coal, fuel oil, kerosene, wood, etc).

**Regions:** There are 5 agricultural regions used for ARMS III analysis. Refer to Farm Production Expenditures Regions – Map for a complete listing and map of states and regions.

**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:** Taxes 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 hand and machine 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.

ARMS III 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 as the need arises.

**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 2009). Those targets currently include Corn for grain acres, Wheat for grain acres, Soybean acres, Cotton acres, Vegetable acres, Fruit acres, Hay acres, Peanut acres, Rice acres, Sugarcane/Sugar beet acres, Tobacco acres, Nursery/Floriculture (Open Area and Area Under Cover), Cattle inventory, Cattle on Feed inventory, Hog and Pig inventory, Milk production, Eggs produced, Broiler inventory, Turkey inventory, Number of Farms by eight economic classes, Number of Farms by non-estimate states, and Total Number of Farms. The sources for the targets are official USDA estimates. Additional targets may be added to control for commodities in the COP questionnaire versions. Sample weights are calibrated to known targets to ensure that farms of all economic sizes are properly represented in the survey results and therefore 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. ACER improvements over several years have made it possible to set the 1424 estimates now required for this publication. Since 2005, Executive Summaries were sent to all states electronically. The ACER tools provide more administrative data, charting, and sample coverage data to the NASS analysis stats as they completed 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 also. 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. Eighteen United States level line-items are set first (on rounded indication). After the Farm Production Expenditures Board formally approves the national estimates, the commodity statisticians in the Environmental, Economics, and Demographics Branch set estimates for line-items in Regions, 15 States, type of farm, economic class,

and fuel subcomponents. These are also reviewed and approved by ERS. NASS publishes the approved expenditures and ERS staff set USDA estimates for income and demographic data.

**Revision Policy:** Farm Production Expenditure estimates are subject to revision one year after their preliminary release. Each publication contains the current year preliminary estimates and the previous year final estimates. 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. NASS revised its 2007 annual farm number estimates (Farms, Land in Farms, and Livestock Operations - 2008 Summary-02/2009) based on the 2007 Census of Agriculture. NASS did not make revisions to farm numbers for the years previous to 2007 because no new information was available. Consequently, published farm production expenditures for the years prior will not be revised. 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 Economics Section of 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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Daryl Brinkman – Prices Received, Prices Received Indexes .....	(202) 720-8844
Kuan Chen – Prices, Prices Research.....	(202) 720-5446
Bryan Combs – Production Expenditures .....	(202) 720-9168
Vincent Davis – Prices Paid, Prices Paid Indexes.....	(202) 690-3229
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Joe Hagedorn – Land Values, Cash Receipts, Cash Rents.....	(202) 690-3231
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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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