



United States  
Department of  
Agriculture

National  
Agricultural  
Statistics  
Service



# Farm Production Expenditures 2011 Summary

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# USDA





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## 2011 United States Total Farm Production Expenditure Highlights

**Farm Production Expenditures in the United States** is estimated at \$318.7 billion for 2011, up from \$289.1 billion in 2010. The 2011 Total expenditures rose 10.2 percent compared with 2010 Total expenditures. All expenditure items except Interest and Labor increased from the previous year.

Total fuel expense is \$15.3 billion. Diesel, the largest sub-component, is \$10.1 billion, accounting for 65.9 percent. Diesel expenditures are up 23.7 percent from the previous year. Gasoline is \$2.8 billion, up 9.4 percent. LP gas is \$1.6 billion, up 8.8 percent. Other fuel is \$820.0 million, up 13.9 percent.

The four largest expenditures at the United States level totaled \$147.1 billion and accounted for 46.1 percent of Total expenditures in 2011. They are: Feed, 17.1 percent, Farm services, 11.6 percent, Livestock, poultry and related expenses, 9.0 percent, and Labor, 8.4 percent.

In 2011, the United States Total farm expenditure average per farm is \$146,653 compared with \$131,821 in 2010, an increase of 11.3 percent. On average, United States farm operations spent \$25,129 on Feed, \$17,075 on Farm services, \$13,163 on Livestock, poultry and related expenses, and \$12,334 on Labor. For 2010, United States farms spent an average of \$20,705 on Feed, \$16,281 on Farm services, \$11,128 on Livestock, poultry and related expenses, and \$12,450 on Labor.

The top three average expenses per farm with the largest dollar increase are: Feed, up \$4,424 or 21.4 percent, Livestock, poultry and related expenses, up \$2,035, or 18.3 percent, and Fertilizer, lime and soil conditioners, up \$1,975, or 20.6 percent.

The United States Economic Sales Class contributing most to the 2011 United States Total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$91.5 billion, 28.7 percent of the United States total, up 14.2 percent from the 2010 level of \$80.1 billion. It is followed by the \$5,000,000 and Over class with \$58.4 billion, up from \$51.3 billion in 2010.

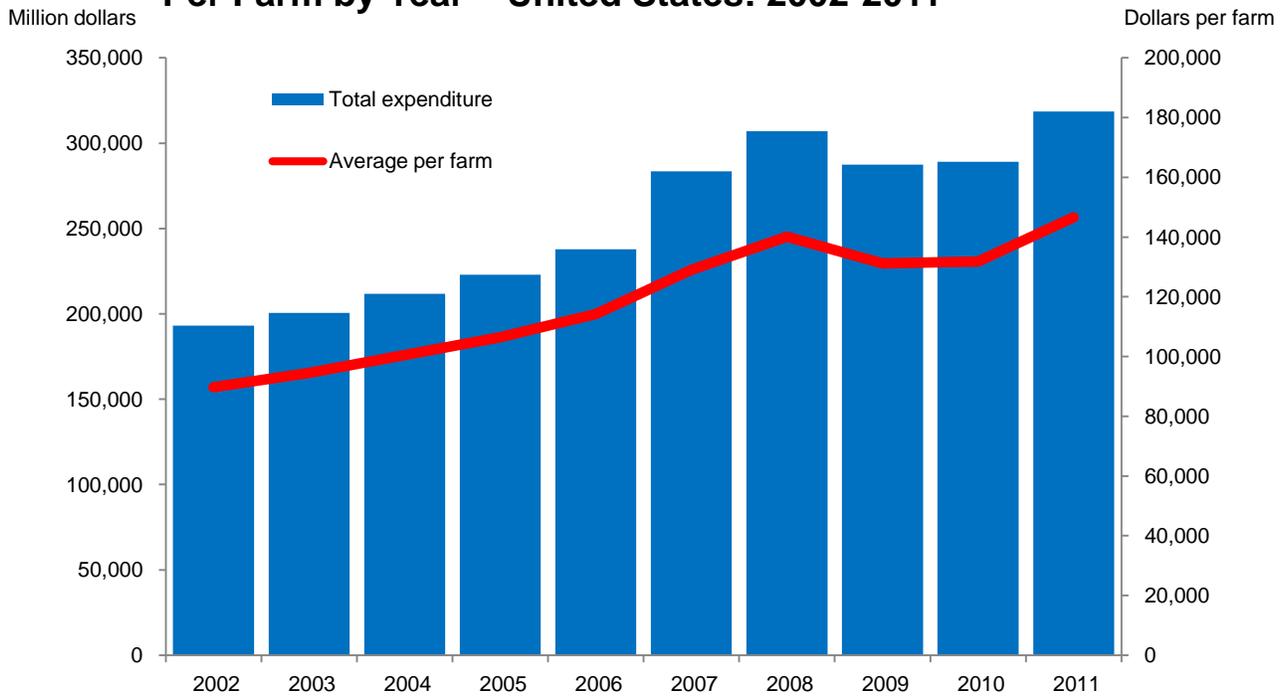
In 2011, Crop farms expenditures increased to \$170.2 billion, up 7.4 percent while Livestock farms expenditures increased to \$148.5 billion, up 13.7 percent. The largest expenditures for Crop farms is: Rent at \$22.1 billion, (13.0 percent), Fertilizer, lime and soil conditioners at \$21.7 billion, (12.7 percent), and Farm services at \$21.6 billion, (12.7 percent). Combined crop inputs (chemicals, fertilizers, and seeds) are \$48.2 billion, accounting for 28.3 percent of Crop farms total expenses. The largest expenditures for Livestock farms are: Feed at \$51.2 billion, (34.5 percent), Livestock, poultry and related expenses, at \$25.6 billion, (17.2 percent), and Farm services at \$15.5 billion, (10.4 percent), together accounting for 62.2 percent of Livestock farms Total expenses. The average Total expenditure for a Crop farm is \$183,829 compared to \$119,058 per Livestock farm.

The Midwest region contributed the most to United States Total expenditures with expenses of \$98.7 billion (31.0 percent), up from \$87.7 billion in 2010. The other regions ranked by Total expenditures are: Plains at \$73.8 billion (23.2 percent), West at \$68.9 billion (21.6 percent), Atlantic at \$39.1 billion (12.3 percent), and South at \$38.2 billion (12.0 percent).

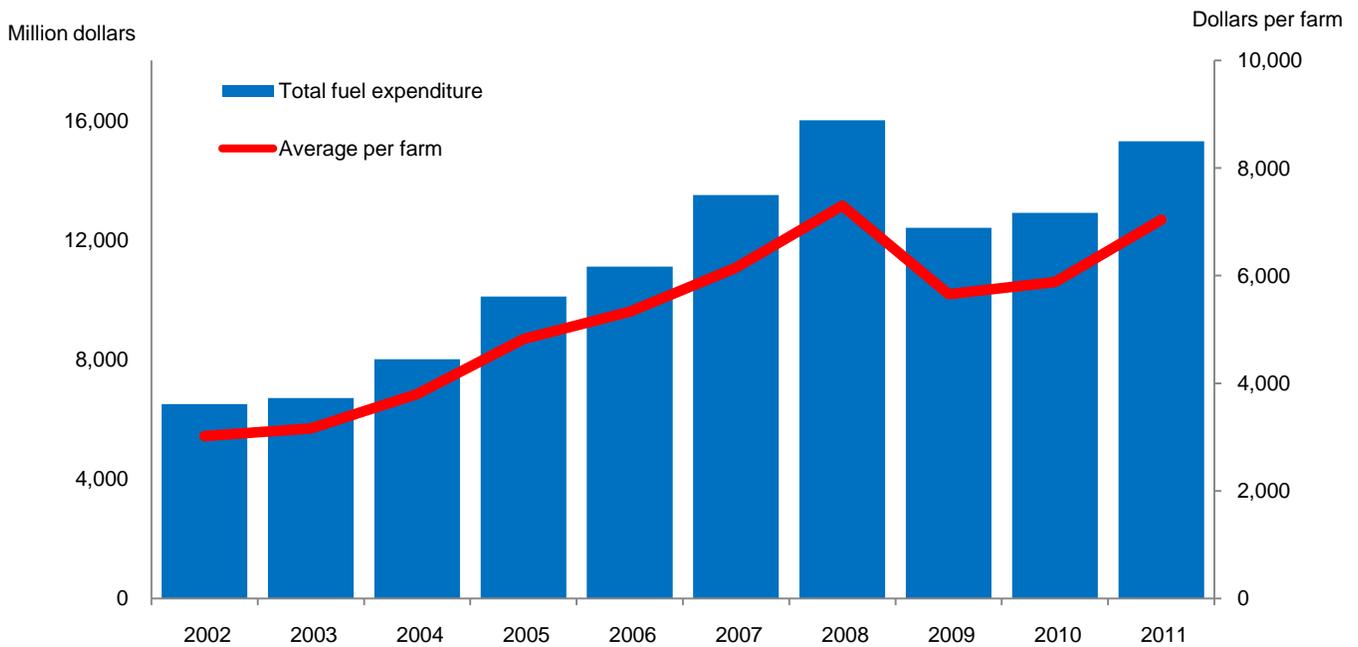
The sum of Total expenditures for the 15 Estimate States is \$205.8 billion in 2011 (64.6 percent of the United States Total expenditures) and \$188.1 billion in 2010 (65.1 percent). California contributed most to the 2011 United States Total expenditures, with expenses of \$31.2 billion, (9.8 percent). California expenditures are up 3.2 percent from the 2010 estimate of \$30.2 billion. Iowa, the next leading state, has \$24.2 billion in expenses, (7.6 percent). Other states with more than \$15 billion in Total Expenditures are: Texas with \$22.7 billion, Nebraska with \$17.3 billion, Illinois with \$17.0 billion, and Minnesota with \$15.5 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: 2002-2011



## Fuel Expenditure, Total and Average Per Farm by Year – United States: 2002-2011



## Farm Production Expenditures by Total and Percent of Total – United States: 2010 and 2011

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

Expenditure	2010		2011	
	(million dollars)	(percent)	(million dollars)	(percent)
Livestock, poultry and related expenses .....	24,400	8.4	28,600	9.0
Feed .....	45,400	15.7	54,600	17.1
Farm services .....	35,700	12.4	37,100	11.6
Rent .....	25,900	9.0	26,300	8.3
Agricultural chemicals .....	10,700	3.7	11,800	3.7
Fertilizer, lime and soil conditioners .....	21,000	7.3	25,100	7.9
Interest .....	10,200	3.5	9,800	3.1
Taxes .....	10,800	3.7	11,300	3.5
Labor .....	27,300	9.4	26,800	8.4
Fuel .....	12,900	4.5	15,300	4.8
Farm supplies and repairs .....	15,900	5.5	16,300	5.1
Farm improvements and construction .....	12,600	4.4	14,300	4.5
Tractors and self-propelled farm machinery .....	10,900	3.8	12,500	3.9
Other farm machinery .....	5,000	1.7	6,400	2.0
Seeds and plants .....	16,300	5.6	17,800	5.6
Trucks and autos .....	3,860	1.3	4,370	1.4
Miscellaneous capital expenses .....	190	0.1	280	0.1
Total farm production expenditures .....	289,050	100.0	318,650	100.0

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.2	23.6	11,128	13,163	24,400	28,600
Feed .....	57.0	58.4	20,705	25,129	45,400	54,600
Farm services .....	93.2	93.6	16,281	17,075	35,700	37,100
Rent .....	28.3	28.9	11,812	12,104	25,900	26,300
Agricultural chemicals .....	40.0	40.3	4,880	5,431	10,700	11,800
Fertilizer, lime and soil conditioners .....	48.7	44.9	9,577	11,552	21,000	25,100
Interest .....	34.5	33.8	4,652	4,510	10,200	9,800
Taxes .....	99.3	99.6	4,925	5,201	10,800	11,300
Labor .....	28.3	27.9	12,450	12,334	27,300	26,800
Fuel .....	82.8	84.7	5,883	7,042	12,900	15,300
Farm supplies and repairs .....	79.8	81.8	7,251	7,502	15,900	16,300
Farm improvements and construction .....	50.9	48.8	5,746	6,581	12,600	14,300
Tractors and self-propelled farm machinery .....	20.4	17.3	4,971	5,753	10,900	12,500
Other farm machinery .....	22.2	20.9	2,280	2,945	5,000	6,400
Seeds and plants .....	38.1	38.8	7,434	8,192	16,300	17,800
Trucks and autos .....	19.4	17.4	1,760	2,011	3,860	4,370
Miscellaneous capital expenses .....	11.6	7.5	87	129	190	280
Total farm production expenditures .....	100.0	100.0	131,821	146,653	289,050	318,650

## Farm Production Expenditures Total by Year – United States: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(million dollars)				
Livestock, poultry and related expenses .....	33,000	28,300	25,900	24,400	28,600
Feed .....	41,900	46,900	45,000	45,400	54,600
Farm services .....	36,800	38,000	36,400	35,700	37,100
Rent .....	19,700	22,400	22,600	25,900	26,300
Agricultural chemicals .....	10,500	11,700	11,500	10,700	11,800
Fertilizer, lime and soil conditioners .....	17,700	22,500	20,100	21,000	25,100
Interest .....	12,100	12,000	11,000	10,200	9,800
Taxes .....	10,300	10,700	10,400	10,800	11,300
Labor .....	28,600	29,700	28,800	27,300	26,800
Fuel .....	13,500	16,000	12,400	12,900	15,300
Farm supplies and repairs .....	15,100	15,900	15,500	15,900	16,300
Farm improvements and construction .....	14,100	15,800	14,100	12,600	14,300
Tractors and self-propelled farm machinery .....	8,600	11,400	9,300	10,900	12,500
Other farm machinery .....	4,400	5,900	4,700	5,000	6,400
Seeds and plants .....	12,600	15,100	15,500	16,300	17,800
Trucks and autos .....	4,400	4,500	4,000	3,860	4,370
Miscellaneous capital expenses .....	220	220	200	190	280
Total farm production expenditures .....	283,520	307,020	287,400	289,050	318,650

## Farm Production Expenditures by Percent of Total – United States: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(percent)	(percent)	(percent)	(percent)	(percent)
Livestock, poultry and related expenses .....	11.6	9.2	9.0	8.4	9.0
Feed .....	14.8	15.3	15.7	15.7	17.1
Farm services .....	13.0	12.4	12.7	12.4	11.6
Rent .....	6.9	7.3	7.9	9.0	8.3
Agricultural chemicals .....	3.7	3.8	4.0	3.7	3.7
Fertilizer, lime and soil conditioners .....	6.2	7.3	7.0	7.3	7.9
Interest .....	4.3	3.9	3.8	3.5	3.1
Taxes .....	3.6	3.5	3.6	3.7	3.5
Labor .....	10.1	9.7	10.0	9.4	8.4
Fuel .....	4.8	5.2	4.3	4.5	4.8
Farm supplies and repairs .....	5.3	5.2	5.4	5.5	5.1
Farm improvements and construction .....	5.0	5.1	4.9	4.4	4.5
Tractors and self-propelled farm machinery .....	3.0	3.7	3.2	3.8	3.9
Other farm machinery .....	1.6	1.9	1.6	1.7	2.0
Seeds and plants .....	4.4	4.9	5.4	5.6	5.6
Trucks and autos .....	1.6	1.5	1.4	1.3	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: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	8.9	9.5	3,333	3,241	3,200	3,000
Feed .....	20.1	20.3	3,645	3,673	3,500	3,400
Farm services .....	88.9	90.2	21,663	23,334	20,800	21,600
Rent .....	31.7	32.4	22,601	23,874	21,700	22,100
Agricultural chemicals .....	50.8	52.2	9,884	11,483	9,490	10,630
Fertilizer, lime and soil conditioners .....	59.4	57.3	18,643	23,399	17,900	21,660
Interest .....	35.7	35.5	5,520	5,585	5,300	5,170
Taxes .....	99.5	99.7	6,614	6,989	6,350	6,470
Labor .....	31.7	31.2	19,476	18,797	18,700	17,400
Fuel .....	77.7	81.5	8,124	10,392	7,800	9,620
Farm supplies and repairs .....	74.0	78.2	9,946	10,457	9,550	9,680
Farm improvements and construction .....	48.2	46.4	6,874	8,534	6,600	7,900
Tractors and self-propelled farm machinery .....	22.4	20.2	7,811	9,463	7,500	8,760
Other farm machinery .....	24.0	23.3	3,541	4,764	3,400	4,410
Seeds and plants .....	51.9	54.4	14,998	17,133	14,400	15,860
Trucks and autos .....	20.3	19.0	2,250	2,539	2,160	2,350
Miscellaneous capital expenses .....	12.4	8.9	104	173	100	160
Total farm production expenditures .....	100.0	100.0	165,027	183,829	158,450	170,170

## Livestock Farms Production Expenditures by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	34.4	34.1	17,199	20,527	21,200	25,600
Feed .....	85.7	86.7	33,993	41,054	41,900	51,200
Farm services .....	96.6	96.2	12,088	12,429	14,900	15,500
Rent .....	25.6	26.3	3,407	3,368	4,200	4,200
Agricultural chemicals .....	31.5	31.5	982	938	1,210	1,170
Fertilizer, lime and soil conditioners .....	40.3	35.7	2,515	2,758	3,100	3,440
Interest .....	33.6	32.7	3,975	3,713	4,900	4,630
Taxes .....	99.2	99.5	3,610	3,873	4,450	4,830
Labor .....	25.7	25.6	6,977	7,537	8,600	9,400
Fuel .....	86.7	87.0	4,138	4,554	5,100	5,680
Farm supplies and repairs .....	84.3	84.4	5,152	5,308	6,350	6,620
Farm improvements and construction .....	53.1	50.6	4,868	5,132	6,000	6,400
Tractors and self-propelled farm machinery .....	18.8	15.1	2,758	2,999	3,400	3,740
Other farm machinery .....	20.8	19.0	1,298	1,596	1,600	1,990
Seeds and plants .....	27.3	27.1	1,541	1,556	1,900	1,940
Trucks and autos .....	18.7	16.3	1,379	1,620	1,700	2,020
Miscellaneous capital expenses .....	11.0	6.4	73	96	90	120
Total farm production expenditures .....	100.0	100.0	105,955	119,058	130,600	148,480

**Farm Production Expenditures, Economic Class Gross Sales, by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011**

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Less than \$10,000 .....	100.0	100.0	13,746	15,122	16,850	18,080
\$10,000 - \$49,999 .....	100.0	100.0	34,976	34,894	15,420	15,320
\$50,000 - \$99,999 .....	100.0	100.0	80,928	85,558	12,250	13,590
\$100,000 - \$249,999 .....	100.0	100.0	172,203	179,685	25,610	26,110
\$250,000 - \$499,999 .....	100.0	100.0	362,145	382,791	35,990	38,570
\$500,000 - \$999,999 .....	100.0	100.0	672,450	711,208	51,550	57,110
\$1,000,000 - \$4,999,999 .....	100.0	100.0	1,784,187	1,918,256	80,110	91,520
\$5,000,000 and over .....	100.0	100.0	10,274,549	11,114,286	51,270	58,350
Total farm production expenditures .....	100.0	100.0	131,821	146,653	289,050	318,650

**Farm Production Expenditures, Economic Class Gross Sales Less than \$10,000 by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011**

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	16.2	17.3	351	335	430	400
Feed .....	57.9	59.3	1,395	1,581	1,710	1,890
Farm services .....	89.1	89.2	2,039	2,350	2,500	2,810
Rent .....	9.5	10.0	188	184	230	220
Agricultural chemicals .....	21.8	22.3	82	92	100	110
Fertilizer, lime and soil conditioners .....	31.3	25.4	318	309	390	370
Interest .....	22.0	20.5	1,175	1,071	1,440	1,280
Taxes .....	98.9	99.4	1,933	2,166	2,370	2,590
Labor .....	15.2	15.7	547	694	670	830
Fuel .....	74.6	76.6	750	887	920	1,060
Farm supplies and repairs .....	69.8	71.9	1,020	995	1,250	1,190
Farm improvements and construction .....	41.8	39.1	1,917	2,058	2,350	2,460
Tractors and self-propelled farm machinery .....	13.4	10.5	946	1,104	1,160	1,320
Other farm machinery .....	14.1	12.2	367	418	450	500
Seeds and plants .....	20.1	20.4	114	151	140	180
Trucks and autos .....	13.6	11.2	579	669	710	800
Miscellaneous capital expenses .....	7.7	4.4	24	59	30	70
Total farm production expenditures .....	100.0	100.0	13,746	15,122	16,850	18,080

## Farm Production Expenditures, Economic Class Gross Sales \$10,000-\$49,999 by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	26.6	23.9	1,678	1,435	740	630
Feed .....	58.7	61.0	2,586	2,984	1,140	1,310
Farm services .....	96.7	98.0	4,809	5,034	2,120	2,210
Rent .....	32.4	32.3	1,565	1,458	690	640
Agricultural chemicals .....	43.3	42.8	635	661	280	290
Fertilizer, lime and soil conditioners .....	56.4	53.5	2,064	2,050	910	900
Interest .....	33.3	33.5	1,747	1,754	770	770
Taxes .....	99.8	99.8	3,130	3,143	1,380	1,380
Labor .....	29.9	26.1	2,155	2,050	950	900
Fuel .....	88.7	91.1	2,223	2,300	980	1,010
Farm supplies and repairs .....	87.5	89.8	3,039	2,824	1,340	1,240
Farm improvements and construction .....	52.4	51.4	3,516	3,508	1,550	1,540
Tractors and self-propelled farm machinery .....	21.4	16.9	2,586	2,095	1,140	920
Other farm machinery .....	22.5	22.0	975	1,070	430	470
Seeds and plants .....	40.4	41.1	1,134	1,253	500	550
Trucks and autos .....	19.0	17.4	1,089	1,230	480	540
Miscellaneous capital expenses .....	13.4	8.3	45	46	20	20
Total farm production expenditures .....	100.0	100.0	34,976	34,894	15,420	15,320

## Farm Production Expenditures, Economic Class Gross Sales \$50,000-\$99,999 by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	31.4	29.6	4,889	5,792	740	920
Feed .....	54.7	53.2	5,351	6,044	810	960
Farm services .....	99.9	99.7	11,561	11,962	1,750	1,900
Rent .....	53.3	52.1	6,342	5,855	960	930
Agricultural chemicals .....	67.6	64.5	2,841	2,896	430	460
Fertilizer, lime and soil conditioners .....	74.3	72.3	6,408	7,114	970	1,130
Interest .....	46.7	44.7	3,567	3,211	540	510
Taxes .....	99.6	99.9	5,153	5,351	780	850
Labor .....	42.3	41.2	5,483	6,547	830	1,040
Fuel .....	93.5	94.4	4,955	5,666	750	900
Farm supplies and repairs .....	93.8	94.1	6,540	6,044	990	960
Farm improvements and construction .....	63.7	58.4	5,219	4,974	790	790
Tractors and self-propelled farm machinery .....	26.1	21.3	3,700	4,659	560	740
Other farm machinery .....	32.2	27.1	2,114	2,266	320	360
Seeds and plants .....	66.1	64.7	4,823	5,288	730	840
Trucks and autos .....	27.2	19.6	1,916	1,826	290	290
Miscellaneous capital expenses .....	18.2	10.2	66	63	10	10
Total farm production expenditures .....	100.0	100.0	80,928	85,558	12,250	13,590

**Farm Production Expenditures, Economic Class Gross Sales \$100,000-\$249,999 by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011**

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	34.5	36.5	10,422	9,841	1,550	1,430
Feed .....	52.1	54.6	12,439	14,039	1,850	2,040
Farm services .....	100.0	99.9	22,458	22,917	3,340	3,330
Rent .....	67.0	67.1	17,751	17,411	2,640	2,530
Agricultural chemicals .....	79.8	78.1	6,926	7,019	1,030	1,020
Fertilizer, lime and soil conditioners .....	85.7	83.5	15,600	18,650	2,320	2,710
Interest .....	63.4	63.5	7,464	7,501	1,110	1,090
Taxes .....	100.0	100.0	8,136	8,258	1,210	1,200
Labor .....	48.6	47.2	12,574	12,043	1,870	1,750
Fuel .....	97.2	97.6	9,750	11,011	1,450	1,600
Farm supplies and repairs .....	96.5	96.7	12,708	12,663	1,890	1,840
Farm improvements and construction .....	66.8	63.9	8,069	7,501	1,200	1,090
Tractors and self-propelled farm machinery .....	34.1	29.8	7,733	8,258	1,150	1,200
Other farm machinery .....	38.7	40.4	4,034	5,368	600	780
Seeds and plants .....	80.5	80.6	12,305	13,351	1,830	1,940
Trucks and autos .....	31.1	30.3	3,631	3,716	540	540
Miscellaneous capital expenses .....	18.8	12.5	202	138	30	20
Total farm production expenditures .....	100.0	100.0	172,203	179,685	25,610	26,110

**Farm Production Expenditures, Economic Class Gross Sales \$250,000-\$499,999 by Farms Reporting, Average per Farm, and Total – United States: 2010-2011**

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	36.5	41.2	18,615	25,804	1,850	2,600
Feed .....	50.8	56.7	28,678	35,728	2,850	3,600
Farm services .....	100.0	100.0	44,576	44,561	4,430	4,490
Rent .....	81.9	81.8	45,482	41,782	4,520	4,210
Agricultural chemicals .....	87.4	86.0	17,710	17,566	1,760	1,770
Fertilizer, lime and soil conditioners .....	89.8	86.7	37,231	40,294	3,700	4,060
Interest .....	73.9	72.5	13,282	12,604	1,320	1,270
Taxes .....	99.8	99.9	13,584	12,505	1,350	1,260
Labor .....	65.5	64.8	25,558	25,705	2,540	2,590
Fuel .....	98.8	99.4	18,515	20,643	1,840	2,080
Farm supplies and repairs .....	99.0	99.1	23,445	23,819	2,330	2,400
Farm improvements and construction .....	75.3	75.9	13,785	18,063	1,370	1,820
Tractors and self-propelled farm machinery .....	38.5	37.6	18,314	18,857	1,820	1,900
Other farm machinery .....	46.1	42.6	8,754	10,024	870	1,010
Seeds and plants .....	87.2	86.2	29,282	28,881	2,910	2,910
Trucks and autos .....	35.0	35.6	5,132	5,657	510	570
Miscellaneous capital expenses .....	18.1	17.2	201	298	20	30
Total farm production expenditures .....	100.0	100.0	362,145	382,791	35,990	38,570

## Farm Production Expenditures, Economic Class Gross Sales \$500,000-\$999,999 by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	40.9	40.2	44,743	52,055	3,430	4,180
Feed .....	50.9	51.6	73,963	82,690	5,670	6,640
Farm services .....	100.0	100.0	77,615	74,969	5,950	6,020
Rent .....	79.8	80.2	89,616	85,430	6,870	6,860
Agricultural chemicals .....	88.4	89.1	33,264	35,367	2,550	2,840
Fertilizer, lime and soil conditioners .....	84.9	87.9	67,702	77,335	5,190	6,210
Interest .....	77.7	78.2	21,002	19,676	1,610	1,580
Taxes .....	99.6	99.9	19,176	20,050	1,470	1,610
Labor .....	74.8	74.1	51,135	45,704	3,920	3,670
Fuel .....	99.5	99.3	31,438	37,360	2,410	3,000
Farm supplies and repairs .....	99.2	98.8	35,351	36,862	2,710	2,960
Farm improvements and construction .....	80.4	76.6	23,741	27,646	1,820	2,220
Tractors and self-propelled farm machinery .....	46.2	44.8	30,133	34,371	2,310	2,760
Other farm machinery .....	49.1	50.8	14,610	18,057	1,120	1,450
Seeds and plants .....	83.7	86.3	51,265	54,296	3,930	4,360
Trucks and autos .....	39.2	42.1	7,305	8,842	560	710
Miscellaneous capital expenses .....	21.7	17.5	391	498	30	40
Total farm production expenditures .....	100.0	100.0	672,450	711,208	51,550	57,110

## Farm Production Expenditures, Economic Class Gross Sales \$1,000,000-\$4,999,999 by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	54.0	50.5	189,310	177,741	8,500	8,480
Feed .....	61.3	57.6	377,506	419,199	16,950	20,000
Farm services .....	100.0	100.0	210,690	210,019	9,460	10,020
Rent .....	75.7	76.4	174,833	186,544	7,850	8,900
Agricultural chemicals .....	85.5	89.9	70,601	80,696	3,170	3,850
Fertilizer, lime and soil conditioners .....	81.6	82.1	127,171	158,248	5,710	7,550
Interest .....	82.4	83.4	47,439	45,693	2,130	2,180
Taxes .....	99.8	100.0	35,189	35,632	1,580	1,700
Labor .....	88.9	86.9	173,051	164,745	7,770	7,860
Fuel .....	99.0	99.4	70,601	83,001	3,170	3,960
Farm supplies and repairs .....	98.1	99.6	75,724	76,294	3,400	3,640
Farm improvements and construction .....	82.1	84.5	49,443	64,557	2,220	3,080
Tractors and self-propelled farm machinery .....	48.2	46.2	48,775	61,203	2,190	2,920
Other farm machinery .....	49.2	46.8	20,935	28,925	940	1,380
Seeds and plants .....	80.2	80.6	98,886	108,992	4,440	5,200
Trucks and autos .....	46.0	43.4	13,363	15,301	600	730
Miscellaneous capital expenses .....	22.4	16.0	668	1,467	30	70
Total farm production expenditures .....	100.0	100.0	1,784,187	1,918,256	80,110	91,520

**Farm Production Expenditures, Economic Class Gross Sales \$5,000,000 and Over by Farms Reporting, Average per Farm, and Total – United States: 2010 and 2011**

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	51.6	48.3	1,434,870	1,897,143	7,160	9,960
Feed .....	64.3	66.3	2,889,780	3,459,048	14,420	18,160
Farm services .....	100.0	100.0	1,232,465	1,203,810	6,150	6,320
Rent .....	65.1	65.2	428,858	382,857	2,140	2,010
Agricultural chemicals .....	84.4	76.5	276,553	278,095	1,380	1,460
Fertilizer, lime and soil conditioners .....	74.6	72.9	362,725	413,333	1,810	2,170
Interest .....	82.1	73.8	256,513	213,333	1,280	1,120
Taxes .....	100.0	100.0	132,265	135,238	660	710
Labor .....	96.7	97.3	1,753,507	1,554,286	8,750	8,160
Fuel .....	98.9	99.1	276,553	321,905	1,380	1,690
Farm supplies and repairs .....	98.6	98.6	398,798	394,286	1,990	2,070
Farm improvements and construction .....	90.7	85.3	260,521	247,619	1,300	1,300
Tractors and self-propelled farm machinery .....	51.5	48.7	114,228	140,952	570	740
Other farm machinery .....	46.6	44.6	54,108	85,714	270	450
Seeds and plants .....	76.7	72.9	364,729	346,667	1,820	1,820
Trucks and autos .....	50.7	47.8	34,068	36,190	170	190
Miscellaneous capital expenses .....	18.7	9.9	4,008	3,810	20	20
Total farm production expenditures .....	100.0	100.0	10,274,549	11,114,286	51,270	58,350

## Fuel Production Expenditure by Sub-Components, Type of Farm, Economic Class, and Region – United States: 2010 and 2011

[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	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Crop farms .....	7,800	9,620	5,330	6,640	1,380	1,600	670	740	420	640
Livestock farms .....	5,100	5,680	2,820	3,440	1,170	1,190	810	870	300	180

Economic class	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Less than \$10,000 .....	920	1,060	460	580	355	360	70	70	35	50
\$10,000 - \$49,999 .....	980	1,010	580	620	315	320	65	50	20	20
\$50,000 - \$99,999 .....	750	900	460	600	220	205	50	65	20	30
\$100,000 - \$249,999 .....	1,450	1,600	935	1,050	345	320	130	170	40	60
\$250,000 - \$499,999 .....	1,840	2,080	1,255	1,460	345	350	175	200	65	70
\$500,000 - \$999,999 .....	2,410	3,000	1,635	1,995	380	455	305	320	90	230
\$1,000,000 - \$4,999,999 .....	3,170	3,960	1,955	2,610	405	545	510	585	300	220
\$5,000,000 and over .....	1,380	1,690	870	1,165	185	235	175	150	150	140

Region	Fuel Production Expenditure									
	Total		Diesel		Gasoline		LP gas		Other fuel	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Atlantic .....	1,640	1,890	910	1,110	365	375	275	295	90	110
South .....	1,630	1,930	995	1,200	315	390	260	275	60	65
Midwest .....	3,760	4,480	2,475	3,070	605	645	570	625	110	140
Plains .....	3,270	3,880	2,085	2,590	685	695	190	185	310	410
West .....	2,600	3,120	1,685	2,110	580	685	185	230	150	95
United States .....	12,900	15,300	8,150	10,080	2,550	2,790	1,480	1,610	720	820

## Farm Production Expenditures – Region, State, and United States: 2010 and 2011

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

State and region	Total farm production expenditures		Livestock, poultry, and related expenses			
	2010	2011	2010	2011	2010	2011
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent of total)	(percent of total)
<b>Atlantic</b>						
North Carolina .....	8,490	10,120	1,560	1,560	18.4	15.4
Other States .....	27,460	28,980	1,620	1,930	5.9	6.7
Total .....	35,950	39,100	3,180	3,490	8.8	8.9
<b>South</b>						
Arkansas .....	7,660	8,090	680	790	8.9	9.8
Florida .....	6,090	6,570	90	140	1.5	2.1
Georgia .....	6,320	7,190	610	710	9.7	9.9
Other States .....	13,810	16,360	1,070	1,730	7.7	10.6
Total .....	33,880	38,210	2,450	3,370	7.2	8.8
<b>Midwest</b>						
Illinois .....	14,880	17,020	390	240	2.6	1.4
Indiana .....	8,520	9,670	250	270	2.9	2.8
Iowa .....	21,630	24,220	2,690	3,110	12.4	12.8
Minnesota .....	13,420	15,530	990	1,190	7.4	7.7
Missouri .....	7,530	8,100	630	560	8.4	6.9
Wisconsin .....	8,550	9,570	360	320	4.2	3.3
Other States .....	13,160	14,590	450	540	3.4	3.7
Total .....	87,690	98,700	5,760	6,230	6.6	6.3
<b>Plains</b>						
Kansas .....	11,710	11,670	2,200	2,410	18.8	20.7
Nebraska .....	15,740	17,320	3,580	3,580	22.7	20.7
Texas .....	20,570	22,680	3,220	4,400	15.7	19.4
Other States .....	19,990	22,100	1,780	1,780	8.9	8.1
Total .....	68,010	73,770	10,780	12,170	15.9	16.5
<b>West</b>						
California .....	30,210	31,190	540	760	1.8	2.4
Washington .....	6,800	6,830	80	200	1.2	2.9
Other States .....	26,510	30,850	1,610	2,380	6.1	7.7
Total .....	63,520	68,870	2,230	3,340	3.5	4.8
<b>United States .....</b>	<b>289,050</b>	<b>318,650</b>	<b>24,400</b>	<b>28,600</b>	<b>8.4</b>	<b>9.0</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Feed				Farm services			
	2010	2011	2010	2011	2010	2011	2010	2011
	(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 .....	2,670	3,800	31.4	37.5	860	990	10.1	9.8
Other States .....	4,920	5,300	17.9	18.3	3,520	3,520	12.8	12.1
Total .....	7,590	9,100	21.1	23.3	4,380	4,510	12.2	11.5
<b>South</b>								
Arkansas .....	2,180	2,460	28.5	30.4	890	780	11.6	9.6
Florida .....	480	660	7.9	10.0	1,040	1,180	17.1	18.0
Georgia .....	2,200	2,510	34.8	34.9	620	730	9.8	10.2
Other States .....	3,790	5,020	27.4	30.7	1,860	1,950	13.5	11.9
Total .....	8,650	10,650	25.5	27.9	4,410	4,640	13.0	12.1
<b>Midwest</b>								
Illinois .....	760	980	5.1	5.8	1,240	1,410	8.3	8.3
Indiana .....	1,070	1,180	12.6	12.2	710	810	8.3	8.4
Iowa .....	3,640	3,990	16.8	16.5	1,800	1,840	8.3	7.6
Minnesota .....	1,740	2,260	13.0	14.6	1,390	1,540	10.4	9.9
Missouri .....	1,040	1,150	13.8	14.2	760	850	10.1	10.5
Wisconsin .....	1,330	1,770	15.6	18.5	1,260	1,290	14.7	13.5
Other States .....	1,590	1,580	12.1	10.8	1,350	1,440	10.3	9.9
Total .....	11,170	12,910	12.7	13.1	8,510	9,180	9.7	9.3
<b>Plains</b>								
Kansas .....	1,500	1,500	12.8	12.9	1,090	1,110	9.3	9.5
Nebraska .....	1,660	1,730	10.5	10.0	1,370	1,550	8.7	8.9
Texas .....	3,850	5,050	18.7	22.3	2,550	2,500	12.4	11.0
Other States .....	1,640	1,630	8.2	7.4	2,310	2,580	11.6	11.7
Total .....	8,650	9,910	12.7	13.4	7,320	7,740	10.8	10.5
<b>West</b>								
California .....	4,430	5,070	14.7	16.3	5,690	5,450	18.8	17.5
Washington .....	680	800	10.0	11.7	1,290	1,410	19.0	20.6
Other States .....	4,230	6,160	16.0	20.0	4,100	4,170	15.5	13.5
Total .....	9,340	12,030	14.7	17.5	11,080	11,030	17.4	16.0
<b>United States .....</b>	<b>45,400</b>	<b>54,600</b>	<b>15.7</b>	<b>17.1</b>	<b>35,700</b>	<b>37,100</b>	<b>12.4</b>	<b>11.6</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Rent				Agricultural chemicals			
	2010	2011	2010	2011	2010	2011	2010	2011
	(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 .....	250	240	2.9	2.4	260	300	3.1	3.0
Other States .....	1,070	1,040	3.9	3.6	680	800	2.5	2.8
Total .....	1,320	1,280	3.7	3.3	940	1,100	2.6	2.8
<b>South</b>								
Arkansas .....	650	640	8.5	7.9	390	400	5.1	4.9
Florida .....	150	220	2.5	3.3	300	340	4.9	5.2
Georgia .....	180	200	2.8	2.8	300	320	4.7	4.5
Other States .....	830	840	6.0	5.1	700	810	5.1	5.0
Total .....	1,810	1,900	5.3	5.0	1,690	1,870	5.0	4.9
<b>Midwest</b>								
Illinois .....	3,350	3,740	22.5	22.0	770	920	5.2	5.4
Indiana .....	1,240	1,380	14.6	14.3	410	450	4.8	4.7
Iowa .....	3,290	3,450	15.2	14.2	720	810	3.3	3.3
Minnesota .....	1,620	1,800	12.1	11.6	500	560	3.7	3.6
Missouri .....	880	810	11.7	10.0	280	350	3.7	4.3
Wisconsin .....	430	400	5.0	4.2	230	260	2.7	2.7
Other States .....	1,300	1,350	9.9	9.3	470	560	3.6	3.8
Total .....	12,110	12,930	13.8	13.1	3,380	3,910	3.9	4.0
<b>Plains</b>								
Kansas .....	1,310	1,020	11.2	8.7	400	380	3.4	3.3
Nebraska .....	1,930	2,080	12.3	12.0	500	570	3.2	3.3
Texas .....	1,320	930	6.4	4.1	490	470	2.4	2.1
Other States .....	2,120	2,100	10.6	9.5	910	1,020	4.6	4.6
Total .....	6,680	6,130	9.8	8.3	2,300	2,440	3.4	3.3
<b>West</b>								
California .....	1,580	1,690	5.2	5.4	1,210	1,290	4.0	4.1
Washington .....	490	410	7.2	6.0	360	360	5.3	5.3
Other States .....	1,910	1,960	7.2	6.4	820	830	3.1	2.7
Total .....	3,980	4,060	6.3	5.9	2,390	2,480	3.8	3.6
<b>United States .....</b>	<b>25,900</b>	<b>26,300</b>	<b>9.0</b>	<b>8.3</b>	<b>10,700</b>	<b>11,800</b>	<b>3.7</b>	<b>3.7</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Fertilizer, lime and soil conditioners				Interest			
	2010 (million dollars)	2011 (million dollars)	2010 (percent of total)	2011 (percent of total)	2010 (million dollars)	2011 (million dollars)	2010 (percent of total)	2011 (percent of total)
<b>Atlantic</b>								
North Carolina .....	390	460	4.6	4.5	180	140	2.1	1.4
Other States .....	1,510	1,670	5.5	5.8	930	930	3.4	3.2
Total .....	1,900	2,130	5.3	5.4	1,110	1,070	3.1	2.7
<b>South</b>								
Arkansas .....	410	490	5.4	6.1	200	190	2.6	2.3
Florida .....	410	520	6.7	7.9	180	180	3.0	2.7
Georgia .....	340	460	5.4	6.4	130	170	2.1	2.4
Other States .....	810	900	5.9	5.5	350	320	2.5	2.0
Total .....	1,970	2,370	5.8	6.2	860	860	2.5	2.3
<b>Midwest</b>								
Illinois .....	2,000	2,570	13.4	15.1	540	510	3.6	3.0
Indiana .....	1,130	1,350	13.3	14.0	350	320	4.1	3.3
Iowa .....	1,820	2,350	8.4	9.7	790	790	3.7	3.3
Minnesota .....	1,270	1,510	9.5	9.7	530	520	3.9	3.3
Missouri .....	720	910	9.6	11.2	290	290	3.9	3.6
Wisconsin .....	560	690	6.5	7.2	470	470	5.5	4.9
Other States .....	1,460	1,450	11.1	9.9	480	400	3.6	2.7
Total .....	8,960	10,830	10.2	11.0	3,450	3,300	3.9	3.3
<b>Plains</b>								
Kansas .....	1,040	970	8.9	8.3	420	470	3.6	4.0
Nebraska .....	1,180	1,570	7.5	9.1	470	490	3.0	2.8
Texas .....	960	1,040	4.7	4.6	530	510	2.6	2.2
Other States .....	1,770	2,190	8.9	9.9	830	940	4.2	4.3
Total .....	4,950	5,770	7.3	7.8	2,250	2,410	3.3	3.3
<b>West</b>								
California .....	1,350	1,640	4.5	5.3	1,100	840	3.6	2.7
Washington .....	410	380	6.0	5.6	230	190	3.4	2.8
Other States .....	1,460	1,980	5.5	6.4	1,200	1,130	4.5	3.7
Total .....	3,220	4,000	5.1	5.8	2,530	2,160	4.0	3.1
<b>United States .....</b>	<b>21,000</b>	<b>25,100</b>	<b>7.3</b>	<b>7.9</b>	<b>10,200</b>	<b>9,800</b>	<b>3.5</b>	<b>3.1</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Taxes				Labor			
	2010	2011	2010	2011	2010	2011	2010	2011
	(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 .....	200	210	2.4	2.1	540	610	6.4	6.0
Other States .....	1,320	1,530	4.8	5.3	2,950	2,550	10.7	8.8
Total .....	1,520	1,740	4.2	4.5	3,490	3,160	9.7	8.1
<b>South</b>								
Arkansas .....	140	140	1.8	1.7	310	260	4.0	3.2
Florida .....	270	300	4.4	4.6	1,780	1,660	29.2	25.3
Georgia .....	150	170	2.4	2.4	410	390	6.5	5.4
Other States .....	270	300	2.0	1.8	800	690	5.8	4.2
Total .....	830	910	2.4	2.4	3,300	3,000	9.7	7.9
<b>Midwest</b>								
Illinois .....	560	560	3.8	3.3	500	620	3.4	3.6
Indiana .....	350	400	4.1	4.1	400	380	4.7	3.9
Iowa .....	700	760	3.2	3.1	680	640	3.1	2.6
Minnesota .....	480	480	3.6	3.1	640	630	4.8	4.1
Missouri .....	300	310	4.0	3.8	310	320	4.1	4.0
Wisconsin .....	410	360	4.8	3.8	770	730	9.0	7.6
Other States .....	540	560	4.1	3.8	950	1,070	7.2	7.3
Total .....	3,340	3,430	3.8	3.5	4,250	4,390	4.8	4.4
<b>Plains</b>								
Kansas .....	480	410	4.1	3.5	420	510	3.6	4.4
Nebraska .....	760	790	4.8	4.6	530	600	3.4	3.5
Texas .....	1,040	1,070	5.1	4.7	1,580	1,690	7.7	7.5
Other States .....	750	760	3.8	3.4	730	940	3.7	4.3
Total .....	3,030	3,030	4.5	4.1	3,260	3,740	4.8	5.1
<b>West</b>								
California .....	930	1,070	3.1	3.4	8,020	7,630	26.5	24.5
Washington .....	240	210	3.5	3.1	1,430	1,370	21.0	20.1
Other States .....	910	910	3.4	2.9	3,550	3,510	13.4	11.4
Total .....	2,080	2,190	3.3	3.2	13,000	12,510	20.5	18.2
<b>United States .....</b>	<b>10,800</b>	<b>11,300</b>	<b>3.7</b>	<b>3.5</b>	<b>27,300</b>	<b>26,800</b>	<b>9.4</b>	<b>8.4</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Fuel				Farm supplies and repairs			
	2010 (million dollars)	2011 (million dollars)	2010 (percent of total)	2011 (percent of total)	2010 (million dollars)	2011 (million dollars)	2010 (percent of total)	2011 (percent of total)
<b>Atlantic</b>								
North Carolina .....	370	400	4.4	4.0	280	330	3.3	3.3
Other States .....	1,270	1,490	4.6	5.1	2,170	2,050	7.9	7.1
Total .....	1,640	1,890	4.6	4.8	2,450	2,380	6.8	6.1
<b>South</b>								
Arkansas .....	420	510	5.5	6.3	330	350	4.3	4.3
Florida .....	240	270	3.9	4.1	330	360	5.4	5.5
Georgia .....	300	380	4.7	5.3	260	270	4.1	3.8
Other States .....	670	770	4.9	4.7	690	680	5.0	4.2
Total .....	1,630	1,930	4.8	5.1	1,610	1,660	4.8	4.3
<b>Midwest</b>								
Illinois .....	640	770	4.3	4.5	640	720	4.3	4.2
Indiana .....	370	450	4.3	4.7	440	540	5.2	5.6
Iowa .....	740	830	3.4	3.4	870	1,080	4.0	4.5
Minnesota .....	650	770	4.8	5.0	830	860	6.2	5.5
Missouri .....	390	470	5.2	5.8	440	470	5.8	5.8
Wisconsin .....	410	480	4.8	5.0	680	740	8.0	7.7
Other States .....	560	710	4.3	4.9	830	850	6.3	5.8
Total .....	3,760	4,480	4.3	4.5	4,730	5,260	5.4	5.3
<b>Plains</b>								
Kansas .....	520	640	4.4	5.5	540	550	4.6	4.7
Nebraska .....	590	760	3.7	4.4	760	780	4.8	4.5
Texas .....	1,080	1,160	5.3	5.1	940	900	4.6	4.0
Other States .....	1,080	1,320	5.4	6.0	1,270	1,280	6.4	5.8
Total .....	3,270	3,880	4.8	5.3	3,510	3,510	5.2	4.8
<b>West</b>								
California .....	1,030	1,120	3.4	3.6	1,490	1,430	4.9	4.6
Washington .....	270	320	4.0	4.7	440	370	6.5	5.4
Other States .....	1,300	1,680	4.9	5.4	1,670	1,690	6.3	5.5
Total .....	2,600	3,120	4.1	4.5	3,600	3,490	5.7	5.1
<b>United States .....</b>	<b>12,900</b>	<b>15,300</b>	<b>4.5</b>	<b>4.8</b>	<b>15,900</b>	<b>16,300</b>	<b>5.5</b>	<b>5.1</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Farm improvements and construction				Tractors and self-propelled farm machinery			
	2010 (million dollars)	2011 (million dollars)	2010 (percent of total)	2011 (percent of total)	2010 (million dollars)	2011 (million dollars)	2010 (percent of total)	2011 (percent of total)
<b>Atlantic</b>								
North Carolina .....	260	380	3.1	3.8	210	220	2.5	2.2
Other States .....	1,800	2,300	6.6	7.9	1,310	1,240	4.8	4.3
Total .....	2,060	2,680	5.7	6.9	1,520	1,460	4.2	3.7
<b>South</b>								
Arkansas .....	230	250	3.0	3.1	250	210	3.3	2.6
Florida .....	210	180	3.4	2.7	90	120	1.5	1.8
Georgia .....	180	180	2.8	2.5	210	240	3.3	3.3
Other States .....	520	580	3.8	3.5	470	610	3.4	3.7
Total .....	1,140	1,190	3.4	3.1	1,020	1,180	3.0	3.1
<b>Midwest</b>								
Illinois .....	590	690	4.0	4.1	720	810	4.8	4.8
Indiana .....	400	430	4.7	4.4	300	460	3.5	4.8
Iowa .....	820	1,110	3.8	4.6	880	880	4.1	3.6
Minnesota .....	570	640	4.2	4.1	530	710	3.9	4.6
Missouri .....	340	330	4.5	4.1	340	370	4.5	4.6
Wisconsin .....	500	580	5.8	6.1	300	530	3.5	5.5
Other States .....	760	870	5.8	6.0	820	1,100	6.2	7.5
Total .....	3,980	4,650	4.5	4.7	3,890	4,860	4.4	4.9
<b>Plains</b>								
Kansas .....	400	360	3.4	3.1	430	390	3.7	3.3
Nebraska .....	440	540	2.8	3.1	480	690	3.0	4.0
Texas .....	890	940	4.3	4.1	780	710	3.8	3.1
Other States .....	1,030	1,460	5.2	6.6	1,420	1,440	7.1	6.5
Total .....	2,760	3,300	4.1	4.5	3,110	3,230	4.6	4.4
<b>West</b>								
California .....	1,070	1,000	3.5	3.2	370	560	1.2	1.8
Washington .....	410	300	6.0	4.4	120	110	1.8	1.6
Other States .....	1,180	1,180	4.5	3.8	870	1,100	3.3	3.6
Total .....	2,660	2,480	4.2	3.6	1,360	1,770	2.1	2.6
<b>United States</b> .....	12,600	14,300	4.4	4.5	10,900	12,500	3.8	3.9

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Other farm machinery				Seeds and plants			
	2010	2011	2010	2011	2010	2011	2010	2011
	(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	60	0.7	0.6	300	340	3.5	3.4
Other States .....	600	740	2.2	2.6	1,250	1,310	4.6	4.5
Total .....	660	800	1.8	2.0	1,550	1,650	4.3	4.2
<b>South</b>								
Arkansas .....	80	90	1.0	1.1	380	430	5.0	5.3
Florida .....	40	40	0.7	0.6	410	330	6.7	5.0
Georgia .....	60	60	0.9	0.8	280	320	4.4	4.5
Other States .....	130	160	0.9	1.0	650	730	4.7	4.5
Total .....	310	350	0.9	0.9	1,720	1,810	5.1	4.7
<b>Midwest</b>								
Illinois .....	340	450	2.3	2.6	1,660	1,820	11.2	10.7
Indiana .....	180	270	2.1	2.8	830	890	9.7	9.2
Iowa .....	390	470	1.8	1.9	1,600	1,820	7.4	7.5
Minnesota .....	290	440	2.2	2.8	1,230	1,450	9.2	9.3
Missouri .....	170	210	2.3	2.6	540	580	7.2	7.2
Wisconsin .....	220	280	2.6	2.9	530	530	6.2	5.5
Other States .....	410	620	3.1	4.2	1,060	1,320	8.1	9.0
Total .....	2,000	2,740	2.3	2.8	7,450	8,410	8.5	8.5
<b>Plains</b>								
Kansas .....	220	230	1.9	2.0	550	570	4.7	4.9
Nebraska .....	280	330	1.8	1.9	1,000	1,040	6.4	6.0
Texas .....	290	280	1.4	1.2	690	640	3.4	2.8
Other States .....	670	780	3.4	3.5	1,240	1,400	6.2	6.3
Total .....	1,460	1,620	2.1	2.2	3,480	3,650	5.1	4.9
<b>West</b>								
California .....	180	300	0.6	1.0	980	1,070	3.2	3.4
Washington .....	40	50	0.6	0.7	250	250	3.7	3.7
Other States .....	350	540	1.3	1.8	870	960	3.3	3.1
Total .....	570	890	0.9	1.3	2,100	2,280	3.3	3.3
<b>United States .....</b>	<b>5,000</b>	<b>6,400</b>	<b>1.7</b>	<b>2.0</b>	<b>16,300</b>	<b>17,800</b>	<b>5.6</b>	<b>5.6</b>

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## Farm Production Expenditures – Region, State, and United States: 2010 and 2011 (Continued)

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

State and region	Trucks and autos				Miscellaneous capital expenses			
	2010	2011	2010	2011	2010	2011	2010	2011
	(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 .....	90	70	1.1	0.7	10	10	0.1	0.1
Other States .....	500	550	1.8	1.9	40	30	0.1	0.1
Total .....	590	620	1.6	1.6	50	40	0.1	0.1
<b>South</b>								
Arkansas .....	120	100	1.6	1.2	(Z)	(Z)	(Z)	(Z)
Florida .....	60	55	1.0	0.8	10	15	0.2	0.2
Georgia .....	80	80	1.3	1.1	10	(Z)	0.2	(Z)
Other States .....	200	265	1.4	1.6	(Z)	5	(Z)	(Z)
Total .....	460	500	1.4	1.3	20	20	0.1	0.1
<b>Midwest</b>								
Illinois .....	170	195	1.1	1.1	10	15	0.1	0.1
Indiana .....	80	85	0.9	0.9	10	5	0.1	0.1
Iowa .....	190	280	0.9	1.2	10	10	(Z)	(Z)
Minnesota .....	150	160	1.1	1.0	10	10	0.1	0.1
Missouri .....	100	120	1.3	1.5	(Z)	(Z)	(Z)	(Z)
Wisconsin .....	90	135	1.1	1.4	(Z)	5	(Z)	0.1
Other States .....	120	155	0.9	1.1	10	15	0.1	0.1
Total .....	900	1,130	1.0	1.1	50	60	0.1	0.1
<b>Plains</b>								
Kansas .....	185	145	1.6	1.2	5	5	(Z)	(Z)
Nebraska .....	205	215	1.3	1.2	5	5	(Z)	(Z)
Texas .....	350	385	1.7	1.7	10	5	(Z)	(Z)
Other States .....	430	475	2.2	2.1	10	5	0.1	(Z)
Total .....	1,170	1,220	1.7	1.7	30	20	(Z)	(Z)
<b>West</b>								
California .....	230	230	0.8	0.7	10	40	(Z)	0.1
Washington .....	60	90	0.9	1.3	(Z)	10	(Z)	0.1
Other States .....	450	580	1.7	1.9	30	90	0.1	0.3
Total .....	740	900	1.2	1.3	40	140	0.1	0.2
United States .....	3,860	4,370	1.3	1.4	190	280	0.1	0.1

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Atlantic Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.6	24.3	7,148	7,954	3,180	3,490
Feed .....	58.5	61.2	17,062	20,740	7,590	9,100
Farm services .....	94.3	94.4	9,846	10,279	4,380	4,510
Rent .....	21.7	22.7	2,967	2,917	1,320	1,280
Agricultural chemicals .....	33.1	39.1	2,113	2,507	940	1,100
Fertilizer, lime and soil conditioners .....	52.6	48.5	4,271	4,854	1,900	2,130
Interest .....	27.0	29.1	2,495	2,439	1,110	1,070
Taxes .....	99.9	100.0	3,417	3,966	1,520	1,740
Labor .....	27.5	28.9	7,845	7,202	3,490	3,160
Fuel .....	88.0	89.5	3,687	4,307	1,640	1,890
Farm supplies and repairs .....	86.4	87.6	5,507	5,424	2,450	2,380
Farm improvements and construction .....	50.1	50.9	4,631	6,108	2,060	2,680
Tractors and self-propelled farm machinery .....	16.7	12.7	3,417	3,327	1,520	1,460
Other farm machinery .....	20.6	19.9	1,484	1,823	660	800
Seeds and plants .....	38.0	41.2	3,484	3,761	1,550	1,650
Trucks and autos .....	15.3	13.2	1,326	1,413	590	620
Miscellaneous capital expenses .....	6.4	2.4	112	91	50	40
Total farm production expenditures .....	100.0	100.0	80,814	89,113	35,950	39,100

## Total Farm Production Expenditures by Year – Atlantic Region: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(million dollars)				
Livestock, poultry and related expenses .....	2,910	3,060	3,080	3,180	3,490
Feed .....	6,730	8,250	7,020	7,590	9,100
Farm services .....	4,480	4,800	4,480	4,380	4,510
Rent .....	1,060	1,120	1,110	1,320	1,280
Agricultural chemicals .....	980	970	1,050	940	1,100
Fertilizer, lime and soil conditioners .....	1,620	2,090	1,770	1,900	2,130
Interest .....	1,500	1,490	1,270	1,110	1,070
Taxes .....	1,600	1,770	1,530	1,520	1,740
Labor .....	4,400	4,110	3,920	3,490	3,160
Fuel .....	1,760	1,980	1,580	1,640	1,890
Farm supplies and repairs .....	2,340	2,180	2,310	2,450	2,380
Farm improvements and construction .....	2,750	2,620	2,540	2,060	2,680
Tractors and self-propelled farm machinery .....	1,020	1,350	1,130	1,520	1,460
Other farm machinery .....	600	780	560	660	800
Seeds and plants .....	1,540	1,700	1,560	1,550	1,650
Trucks and autos .....	540	580	550	590	620
Miscellaneous capital expenses .....	50	30	30	50	40
Total farm production expenditures .....	35,880	38,880	35,490	35,950	39,100

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – North Carolina: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	28.5	23.1	29,771	30,952	1,560	1,560
Feed .....	63.9	61.1	50,954	75,397	2,670	3,800
Farm services .....	88.2	91.7	16,412	19,643	860	990
Rent .....	31.2	28.9	4,771	4,762	250	240
Agricultural chemicals .....	46.2	48.5	4,962	5,952	260	300
Fertilizer, lime and soil conditioners .....	62.1	61.2	7,443	9,127	390	460
Interest .....	22.4	24.2	3,435	2,778	180	140
Taxes .....	99.8	100.0	3,817	4,167	200	210
Labor .....	27.9	30.5	10,305	12,103	540	610
Fuel .....	87.1	89.7	7,061	7,937	370	400
Farm supplies and repairs .....	84.6	86.8	5,344	6,548	280	330
Farm improvements and construction .....	58.0	51.4	4,962	7,540	260	380
Tractors and self-propelled farm machinery .....	23.1	17.3	4,008	4,365	210	220
Other farm machinery .....	22.4	18.2	1,145	1,190	60	60
Seeds and plants .....	42.7	38.7	5,725	6,746	300	340
Trucks and autos .....	26.3	14.8	1,718	1,389	90	70
Miscellaneous capital expenses .....	16.1	10.5	191	198	10	10
Total farm production expenditures .....	100.0	100.0	162,023	200,794	8,490	10,120

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Atlantic Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	21.8	24.5	4,128	4,969	1,620	1,930
Feed .....	57.8	61.2	12,537	13,647	4,920	5,300
Farm services .....	95.2	94.7	8,969	9,064	3,520	3,520
Rent .....	20.5	21.9	2,726	2,678	1,070	1,040
Agricultural chemicals .....	31.3	37.9	1,733	2,060	680	800
Fertilizer, lime and soil conditioners .....	51.3	46.8	3,848	4,300	1,510	1,670
Interest .....	27.6	29.8	2,370	2,395	930	930
Taxes .....	99.9	100.0	3,363	3,940	1,320	1,530
Labor .....	27.5	28.7	7,517	6,566	2,950	2,550
Fuel .....	88.1	89.5	3,236	3,837	1,270	1,490
Farm supplies and repairs .....	86.7	87.7	5,529	5,278	2,170	2,050
Farm improvements and construction .....	49.0	50.8	4,587	5,922	1,800	2,300
Tractors and self-propelled farm machinery .....	15.8	12.1	3,338	3,193	1,310	1,240
Other farm machinery .....	20.4	20.2	1,529	1,905	600	740
Seeds and plants .....	37.4	41.5	3,185	3,373	1,250	1,310
Trucks and autos .....	13.8	13.0	1,274	1,416	500	550
Miscellaneous capital expenses .....	5.1	1.3	102	77	40	30
Total farm production expenditures .....	100.0	100.0	69,971	74,620	27,460	28,980

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – South Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	20.3	20.2	8,388	11,693	2,450	3,370
Feed .....	65.0	65.4	29,613	36,954	8,650	10,650
Farm services .....	94.6	93.8	15,098	16,100	4,410	4,640
Rent .....	20.9	23.5	6,197	6,593	1,810	1,900
Agricultural chemicals .....	42.9	39.6	5,786	6,489	1,690	1,870
Fertilizer, lime and soil conditioners .....	54.3	49.8	6,744	8,223	1,970	2,370
Interest .....	26.6	22.8	2,944	2,984	860	860
Taxes .....	97.9	99.8	2,841	3,158	830	910
Labor .....	28.8	25.2	11,298	10,409	3,300	3,000
Fuel .....	86.4	87.0	5,580	6,697	1,630	1,930
Farm supplies and repairs .....	82.0	81.3	5,512	5,760	1,610	1,660
Farm improvements and construction .....	50.1	41.5	3,903	4,129	1,140	1,190
Tractors and self-propelled farm machinery .....	16.1	13.5	3,492	4,094	1,020	1,180
Other farm machinery .....	17.0	13.1	1,061	1,214	310	350
Seeds and plants .....	32.3	32.1	5,888	6,280	1,720	1,810
Trucks and autos .....	15.4	15.4	1,575	1,735	460	500
Miscellaneous capital expenses .....	9.7	4.7	68	69	20	20
Total farm production expenditures .....	100.0	100.0	115,988	132,582	33,880	38,210

## Total Farm Production Expenditures by Year – South Region: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(million dollars)				
Livestock, poultry and related expenses .....	2,180	2,480	2,590	2,450	3,370
Feed .....	6,290	7,220	7,140	8,650	10,650
Farm services .....	4,560	4,370	3,980	4,410	4,640
Rent .....	1,560	1,650	1,630	1,810	1,900
Agricultural chemicals .....	1,670	1,660	1,830	1,690	1,870
Fertilizer, lime and soil conditioners .....	2,030	2,320	2,010	1,970	2,370
Interest .....	1,150	1,060	910	860	860
Taxes .....	830	790	800	830	910
Labor .....	3,610	3,750	3,270	3,300	3,000
Fuel .....	1,760	1,960	1,540	1,630	1,930
Farm supplies and repairs .....	1,630	1,640	1,470	1,610	1,660
Farm improvements and construction .....	1,240	1,350	980	1,140	1,190
Tractors and self-propelled farm machinery .....	920	990	840	1,020	1,180
Other farm machinery .....	310	350	270	310	350
Seeds and plants .....	1,480	1,630	1,610	1,720	1,810
Trucks and autos .....	510	540	470	460	500
Miscellaneous capital expenses .....	10	10	10	20	20
Total farm production expenditures .....	31,740	33,770	31,350	33,880	38,210

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Arkansas: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.2	26.7	13,793	16,356	680	790
Feed .....	65.5	64.4	44,219	50,932	2,180	2,460
Farm services .....	94.6	91.6	18,053	16,149	890	780
Rent .....	22.6	25.4	13,185	13,251	650	640
Agricultural chemicals .....	33.5	37.8	7,911	8,282	390	400
Fertilizer, lime and soil conditioners .....	40.0	35.6	8,316	10,145	410	490
Interest .....	36.4	27.7	4,057	3,934	200	190
Taxes .....	100.0	100.0	2,840	2,899	140	140
Labor .....	28.7	30.1	6,288	5,383	310	260
Fuel .....	81.0	81.3	8,519	10,559	420	510
Farm supplies and repairs .....	78.3	75.3	6,694	7,246	330	350
Farm improvements and construction .....	49.0	45.0	4,665	5,176	230	250
Tractors and self-propelled farm machinery .....	24.6	17.9	5,071	4,348	250	210
Other farm machinery .....	22.4	16.7	1,623	1,863	80	90
Seeds and plants .....	23.9	22.8	7,708	8,903	380	430
Trucks and autos .....	23.2	17.4	2,434	2,070	120	100
Miscellaneous capital expenses .....	17.1	9.6	(X)	(X)	(Z)	(Z)
Total farm production expenditures .....	100.0	100.0	155,375	167,495	7,660	8,090

(X) Not applicable.

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Florida: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	11.3	14.5	1,895	2,947	90	140
Feed .....	57.1	61.3	10,105	13,895	480	660
Farm services .....	95.5	93.1	21,895	24,842	1,040	1,180
Rent .....	9.2	17.8	3,158	4,632	150	220
Agricultural chemicals .....	40.4	45.7	6,316	7,158	300	340
Fertilizer, lime and soil conditioners .....	46.5	48.5	8,632	10,947	410	520
Interest .....	21.5	20.6	3,789	3,789	180	180
Taxes .....	100.0	100.0	5,684	6,316	270	300
Labor .....	26.3	36.8	37,474	34,947	1,780	1,660
Fuel .....	87.1	83.6	5,053	5,684	240	270
Farm supplies and repairs .....	77.9	81.1	6,947	7,579	330	360
Farm improvements and construction .....	46.0	37.4	4,421	3,789	210	180
Tractors and self-propelled farm machinery .....	12.6	12.6	1,895	2,526	90	120
Other farm machinery .....	13.9	12.2	842	842	40	40
Seeds and plants .....	24.1	25.1	8,632	6,947	410	330
Trucks and autos .....	15.8	12.1	1,263	1,158	60	55
Miscellaneous capital expenses .....	11.8	7.9	211	316	10	15
Total farm production expenditures .....	100.0	100.0	128,211	138,316	6,090	6,570

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Georgia: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.9	23.3	12,869	15,106	610	710
Feed .....	63.0	63.4	46,414	53,404	2,200	2,510
Farm services .....	91.6	93.0	13,080	15,532	620	730
Rent .....	23.3	22.0	3,797	4,255	180	200
Agricultural chemicals .....	49.7	42.3	6,329	6,809	300	320
Fertilizer, lime and soil conditioners .....	61.8	63.5	7,173	9,787	340	460
Interest .....	24.1	22.7	2,743	3,617	130	170
Taxes .....	100.0	100.0	3,165	3,617	150	170
Labor .....	32.2	29.1	8,650	8,298	410	390
Fuel .....	85.9	88.8	6,329	8,085	300	380
Farm supplies and repairs .....	83.3	84.2	5,485	5,745	260	270
Farm improvements and construction .....	49.6	44.3	3,797	3,830	180	180
Tractors and self-propelled farm machinery .....	24.9	14.7	4,430	5,106	210	240
Other farm machinery .....	23.7	17.1	1,266	1,277	60	60
Seeds and plants .....	42.9	32.3	5,907	6,809	280	320
Trucks and autos .....	22.1	17.9	1,688	1,702	80	80
Miscellaneous capital expenses .....	17.6	10.3	211	(X)	10	(Z)
Total farm production expenditures .....	100.0	100.0	133,333	152,979	6,320	7,190

(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: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	20.8	18.8	7,235	11,898	1,070	1,730
Feed .....	68.1	67.6	25,625	34,525	3,790	5,020
Farm services .....	95.2	95.1	12,576	13,411	1,860	1,950
Rent .....	23.4	25.3	5,612	5,777	830	840
Agricultural chemicals .....	44.6	37.3	4,733	5,571	700	810
Fertilizer, lime & soil conditioners .....	59.1	50.6	5,477	6,190	810	900
Interest .....	25.7	22.0	2,366	2,201	350	320
Taxes .....	95.8	99.7	1,826	2,063	270	300
Labor .....	28.6	18.6	5,409	4,746	800	690
Fuel .....	88.2	89.5	4,530	5,296	670	770
Farm supplies and repairs .....	84.2	82.4	4,665	4,677	690	680
Farm improvements and construction .....	51.9	40.7	3,516	3,989	520	580
Tractors and self-propelled farm machinery .....	11.6	12.0	3,178	4,195	470	610
Other farm machinery .....	14.1	10.9	879	1,100	130	160
Seeds and plants .....	34.3	37.4	4,395	5,021	650	730
Trucks and autos .....	10.5	14.9	1,352	1,823	200	265
Miscellaneous capital expenses .....	4.0	0.2	(X)	34	(Z)	5
Total farm production expenditures .....	100.0	100.0	93,374	112,517	13,810	16,360

(X) Not applicable.

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Midwest Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.3	24.2	9,187	10,035	5,760	6,230
Feed .....	49.5	51.7	17,815	20,796	11,170	12,910
Farm services .....	92.0	93.2	13,573	14,787	8,510	9,180
Rent .....	33.6	33.8	19,314	20,828	12,110	12,930
Agricultural chemicals .....	45.0	46.7	5,391	6,298	3,380	3,910
Fertilizer, lime and soil conditioners .....	52.2	50.6	14,290	17,445	8,960	10,830
Interest .....	41.5	42.9	5,502	5,316	3,450	3,300
Taxes .....	99.9	99.9	5,327	5,525	3,340	3,430
Labor .....	23.3	23.3	6,778	7,072	4,250	4,390
Fuel .....	79.9	84.4	5,997	7,216	3,760	4,480
Farm supplies and repairs .....	77.1	83.3	7,544	8,473	4,730	5,260
Farm improvements and construction .....	53.0	52.2	6,348	7,490	3,980	4,650
Tractors and self-propelled farm machinery .....	23.9	23.2	6,204	7,829	3,890	4,860
Other farm machinery .....	26.7	27.8	3,190	4,414	2,000	2,740
Seeds and plants .....	49.2	50.6	11,882	13,547	7,450	8,410
Trucks and autos .....	20.4	19.8	1,435	1,820	900	1,130
Miscellaneous capital expenses .....	15.3	11.9	80	97	50	60
Total farm production expenditures .....	100.0	100.0	139,856	158,988	87,690	98,700

## Total Farm Production Expenditures by Year – Midwest Region: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(million dollars)				
Livestock, poultry and related expenses .....	6,800	6,640	6,400	5,760	6,230
Feed .....	9,690	11,020	11,310	11,170	12,910
Farm services .....	8,970	9,170	8,930	8,510	9,180
Rent .....	8,970	10,620	10,780	12,110	12,930
Agricultural chemicals .....	3,450	3,890	3,770	3,380	3,910
Fertilizer, lime and soil conditioners .....	7,010	9,110	8,560	8,960	10,830
Interest .....	3,980	4,040	3,730	3,450	3,300
Taxes .....	3,280	3,270	3,270	3,340	3,430
Labor .....	4,920	4,680	4,700	4,250	4,390
Fuel .....	3,840	4,750	3,890	3,760	4,480
Farm supplies and repairs .....	4,490	4,620	4,590	4,730	5,260
Farm improvements and construction .....	4,160	5,220	4,480	3,980	4,650
Tractors and self-propelled farm machinery .....	3,030	4,260	3,360	3,890	4,860
Other farm machinery .....	1,690	2,440	1,930	2,000	2,740
Seeds and plants .....	5,180	6,280	7,180	7,450	8,410
Trucks and autos .....	1,170	1,270	1,070	900	1,130
Miscellaneous capital expenses .....	80	70	60	50	60
Total farm production expenditures .....	80,710	91,350	88,010	87,690	98,700

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Illinois: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	16.0	16.9	5,132	3,217	390	240
Feed .....	36.8	37.9	10,000	13,137	760	980
Farm services .....	92.3	93.6	16,316	18,901	1,240	1,410
Rent .....	39.5	42.7	44,079	50,134	3,350	3,740
Agricultural chemicals .....	54.2	56.2	10,132	12,332	770	920
Fertilizer, lime and soil conditioners .....	58.0	58.0	26,316	34,450	2,000	2,570
Interest .....	42.4	47.5	7,105	6,836	540	510
Taxes .....	99.5	100.0	7,368	7,507	560	560
Labor .....	24.7	23.8	6,579	8,311	500	620
Fuel .....	82.2	82.0	8,421	10,322	640	770
Farm supplies and repairs .....	79.6	81.3	8,421	9,651	640	720
Farm improvements and construction .....	57.3	53.9	7,763	9,249	590	690
Tractors and self-propelled farm machinery .....	29.1	27.3	9,474	10,858	720	810
Other farm machinery .....	28.0	25.9	4,474	6,032	340	450
Seeds and plants .....	58.7	59.5	21,842	24,397	1,660	1,820
Trucks and autos .....	25.0	22.9	2,237	2,614	170	195
Miscellaneous capital expenses .....	18.3	15.9	132	201	10	15
Total farm production expenditures .....	100.0	100.0	195,789	228,150	14,880	17,020

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Indiana: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	26.1	27.4	4,032	4,355	250	270
Feed .....	57.9	55.9	17,258	19,032	1,070	1,180
Farm services .....	92.0	95.8	11,452	13,065	710	810
Rent .....	31.3	32.2	20,000	22,258	1,240	1,380
Agricultural chemicals .....	42.0	49.6	6,613	7,258	410	450
Fertilizer, lime and soil conditioners .....	50.9	56.3	18,226	21,774	1,130	1,350
Interest .....	39.7	41.5	5,645	5,161	350	320
Taxes .....	100.0	100.0	5,645	6,452	350	400
Labor .....	22.1	28.0	6,452	6,129	400	380
Fuel .....	81.9	82.6	5,968	7,258	370	450
Farm supplies and repairs .....	82.3	85.0	7,097	8,710	440	540
Farm improvements and construction .....	54.9	56.8	6,452	6,935	400	430
Tractors and self-propelled farm machinery .....	24.9	25.1	4,839	7,419	300	460
Other farm machinery .....	29.4	28.2	2,903	4,355	180	270
Seeds and plants .....	42.7	54.6	13,387	14,355	830	890
Trucks and autos .....	21.6	18.4	1,290	1,371	80	85
Miscellaneous capital expenses .....	19.3	14.7	161	81	10	5
Total farm production expenditures .....	100.0	100.0	137,419	155,968	8,520	9,670

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Iowa: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.5	25.9	29,113	33,694	2,690	3,110
Feed .....	39.0	39.3	39,394	43,229	3,640	3,990
Farm services .....	91.1	91.9	19,481	19,935	1,800	1,840
Rent .....	44.2	40.9	35,606	37,378	3,290	3,450
Agricultural chemicals .....	54.8	57.8	7,792	8,776	720	810
Fertilizer, lime and soil conditioners .....	60.9	59.0	19,697	25,460	1,820	2,350
Interest .....	46.3	49.9	8,550	8,559	790	790
Taxes .....	100.0	99.9	7,576	8,234	700	760
Labor .....	28.1	26.4	7,359	6,934	680	640
Fuel .....	76.2	77.7	8,009	8,992	740	830
Farm supplies and repairs .....	74.0	76.4	9,416	11,701	870	1,080
Farm improvements and construction .....	57.0	57.8	8,874	12,026	820	1,110
Tractors and self-propelled farm machinery .....	29.8	28.3	9,524	9,534	880	880
Other farm machinery .....	31.3	30.2	4,221	5,092	390	470
Seeds and plants .....	61.1	62.4	17,316	19,718	1,600	1,820
Trucks and autos .....	25.2	26.2	2,056	3,034	190	280
Miscellaneous capital expenses .....	20.2	13.8	108	108	10	10
Total farm production expenditures .....	100.0	100.0	234,091	262,405	21,630	24,220

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Minnesota: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.7	17.6	12,222	14,912	990	1,190
Feed .....	45.0	40.5	21,481	28,321	1,740	2,260
Farm services .....	93.1	91.2	17,160	19,298	1,390	1,540
Rent .....	36.5	36.7	20,000	22,556	1,620	1,800
Agricultural chemicals .....	51.9	51.8	6,173	7,018	500	560
Fertilizer, lime and soil conditioners .....	55.6	47.2	15,679	18,922	1,270	1,510
Interest .....	45.4	46.1	6,543	6,516	530	520
Taxes .....	100.0	100.0	5,926	6,015	480	480
Labor .....	26.4	21.0	7,901	7,895	640	630
Fuel .....	80.8	84.6	8,025	9,649	650	770
Farm supplies and repairs .....	79.7	82.3	10,247	10,777	830	860
Farm improvements and construction .....	54.1	55.5	7,037	8,020	570	640
Tractors and self-propelled farm machinery .....	29.0	28.4	6,543	8,897	530	710
Other farm machinery .....	31.6	32.5	3,580	5,514	290	440
Seeds and plants .....	56.8	53.0	15,185	18,170	1,230	1,450
Trucks and autos .....	27.7	24.3	1,852	2,005	150	160
Miscellaneous capital expenses .....	22.2	17.0	123	125	10	10
Total farm production expenditures .....	100.0	100.0	165,679	194,612	13,420	15,530

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Missouri: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.0	20.4	5,833	5,258	630	560
Feed .....	55.9	57.2	9,630	10,798	1,040	1,150
Farm services .....	85.6	91.7	7,037	7,981	760	850
Rent .....	24.7	25.6	8,148	7,606	880	810
Agricultural chemicals .....	28.2	31.7	2,593	3,286	280	350
Fertilizer, lime and soil conditioners .....	39.9	42.4	6,667	8,545	720	910
Interest .....	36.0	36.4	2,685	2,723	290	290
Taxes .....	100.0	100.0	2,778	2,911	300	310
Labor .....	20.1	21.6	2,870	3,005	310	320
Fuel .....	74.8	81.1	3,611	4,413	390	470
Farm supplies and repairs .....	68.8	81.9	4,074	4,413	440	470
Farm improvements and construction .....	43.3	48.2	3,148	3,099	340	330
Tractors and self-propelled farm machinery .....	19.5	18.6	3,148	3,474	340	370
Other farm machinery .....	20.4	22.2	1,574	1,972	170	210
Seeds and plants .....	26.5	28.6	5,000	5,446	540	580
Trucks and autos .....	20.9	20.6	926	1,127	100	120
Miscellaneous capital expenses .....	15.0	13.1	(X)	(X)	(Z)	(Z)
Total farm production expenditures .....	100.0	100.0	69,722	76,056	7,530	8,100

(X) Not applicable.

(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Wisconsin: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	25.9	33.5	4,615	4,156	360	320
Feed .....	60.3	66.4	17,051	22,987	1,330	1,770
Farm services .....	95.3	93.2	16,154	16,753	1,260	1,290
Rent .....	32.3	30.9	5,513	5,195	430	400
Agricultural chemicals .....	46.0	45.2	2,949	3,377	230	260
Fertilizer, lime and soil conditioners .....	55.3	51.7	7,179	8,961	560	690
Interest .....	48.1	50.2	6,026	6,104	470	470
Taxes .....	100.0	99.7	5,256	4,675	410	360
Labor .....	26.8	27.9	9,872	9,481	770	730
Fuel .....	87.1	86.8	5,256	6,234	410	480
Farm supplies and repairs .....	83.2	87.3	8,718	9,610	680	740
Farm improvements and construction .....	60.8	57.3	6,410	7,532	500	580
Tractors and self-propelled farm machinery .....	24.2	24.9	3,846	6,883	300	530
Other farm machinery .....	30.7	26.6	2,821	3,636	220	280
Seeds and plants .....	54.5	55.5	6,795	6,883	530	530
Trucks and autos .....	24.1	21.9	1,154	1,753	90	135
Miscellaneous capital expenses .....	18.8	14.8	(X)	65	(Z)	5
Total farm production expenditures .....	100.0	100.0	109,615	124,286	8,550	9,570

(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, Midwest Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.1	27.4	3,472	4,199	450	540
Feed .....	51.4	60.4	12,269	12,286	1,590	1,580
Farm services .....	95.4	95.3	10,417	11,198	1,350	1,440
Rent .....	30.2	31.2	10,031	10,498	1,300	1,350
Agricultural chemicals .....	43.2	42.0	3,627	4,355	470	560
Fertilizer, lime and soil conditioners .....	49.4	45.8	11,265	11,275	1,460	1,450
Interest .....	36.8	34.9	3,704	3,110	480	400
Taxes .....	100.0	100.0	4,167	4,355	540	560
Labor .....	18.2	18.7	7,330	8,320	950	1,070
Fuel .....	79.6	92.8	4,321	5,521	560	710
Farm supplies and repairs .....	77.0	88.0	6,404	6,610	830	850
Farm improvements and construction .....	49.5	43.5	5,864	6,765	760	870
Tractors and self-propelled farm machinery .....	16.7	15.8	6,327	8,554	820	1,100
Other farm machinery .....	21.0	29.6	3,164	4,821	410	620
Seeds and plants .....	49.2	48.7	8,179	10,264	1,060	1,320
Trucks and autos .....	6.3	9.5	926	1,205	120	155
Miscellaneous capital expenses .....	2.0	0.8	77	117	10	15
Total farm production expenditures .....	100.0	100.0	101,543	113,453	13,160	14,590

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Plains Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	28.0	23.3	21,121	24,051	10,780	12,170
Feed .....	65.0	65.2	16,947	19,585	8,650	9,910
Farm services .....	93.1	93.5	14,342	15,296	7,320	7,740
Rent .....	31.7	32.5	13,088	12,115	6,680	6,130
Agricultural chemicals .....	39.0	35.1	4,506	4,822	2,300	2,440
Fertilizer, lime and soil conditioners .....	44.0	37.0	9,698	11,403	4,950	5,770
Interest .....	36.2	34.0	4,408	4,763	2,250	2,410
Taxes .....	99.7	100.0	5,937	5,988	3,030	3,030
Labor .....	28.5	27.6	6,387	7,391	3,260	3,740
Fuel .....	82.4	82.2	6,407	7,668	3,270	3,880
Farm supplies and repairs .....	78.7	79.7	6,877	6,937	3,510	3,510
Farm improvements and construction .....	49.7	48.8	5,408	6,522	2,760	3,300
Tractors and self-propelled farm machinery .....	23.7	18.1	6,093	6,383	3,110	3,230
Other farm machinery .....	24.0	20.7	2,861	3,202	1,460	1,620
Seeds and plants .....	33.6	31.9	6,818	7,213	3,480	3,650
Trucks and autos .....	24.3	20.5	2,292	2,411	1,170	1,220
Miscellaneous capital expenses .....	13.9	8.9	59	40	30	20
Total farm production expenditures .....	100.0	100.0	133,248	145,791	68,010	73,770

## Total Farm Production Expenditures by Year – Plains Region: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(million dollars)				
Livestock, poultry and related expenses .....	17,880	13,320	11,480	10,780	12,170
Feed .....	10,270	10,170	10,500	8,650	9,910
Farm services .....	7,940	8,200	7,630	7,320	7,740
Rent .....	4,980	5,530	5,620	6,680	6,130
Agricultural chemicals .....	2,210	2,690	2,400	2,300	2,440
Fertilizer, lime and soil conditioners .....	4,280	5,470	4,660	4,950	5,770
Interest .....	2,900	2,680	2,500	2,250	2,410
Taxes .....	2,460	2,680	2,790	3,030	3,030
Labor .....	3,610	3,960	3,400	3,260	3,740
Fuel .....	3,380	4,080	3,030	3,270	3,880
Farm supplies and repairs .....	3,130	3,290	3,300	3,510	3,510
Farm improvements and construction .....	2,900	3,170	2,700	2,760	3,300
Tractors and self-propelled farm machinery .....	2,380	3,010	2,500	3,110	3,230
Other farm machinery .....	1,200	1,560	1,290	1,460	1,620
Seeds and plants .....	2,430	3,100	3,100	3,480	3,650
Trucks and autos .....	1,360	1,250	1,110	1,170	1,220
Miscellaneous capital expenses .....	40	40	40	30	20
Total farm production expenditures .....	73,350	74,200	68,050	68,010	73,770

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Kansas: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	27.1	31.1	33,588	36,794	2,200	2,410
Feed .....	52.7	51.3	22,901	22,901	1,500	1,500
Farm services .....	90.7	89.2	16,641	16,947	1,090	1,110
Rent .....	42.2	45.9	20,000	15,573	1,310	1,020
Agricultural chemicals .....	50.5	44.9	6,107	5,802	400	380
Fertilizer, lime and soil conditioners .....	54.4	56.1	15,878	14,809	1,040	970
Interest .....	45.1	45.1	6,412	7,176	420	470
Taxes .....	100.0	100.0	7,328	6,260	480	410
Labor .....	21.1	21.4	6,412	7,786	420	510
Fuel .....	81.1	80.3	7,939	9,771	520	640
Farm supplies and repairs .....	80.4	79.3	8,244	8,397	540	550
Farm improvements and construction .....	54.5	47.7	6,107	5,496	400	360
Tractors and self-propelled farm machinery .....	26.5	21.0	6,565	5,954	430	390
Other farm machinery .....	27.6	24.6	3,359	3,511	220	230
Seeds and plants .....	44.4	45.1	8,397	8,702	550	570
Trucks and autos .....	27.4	20.7	2,824	2,214	185	145
Miscellaneous capital expenses .....	21.1	14.9	76	76	5	5
Total farm production expenditures .....	100.0	100.0	178,779	178,168	11,710	11,670

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Nebraska: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	33.1	30.9	75,847	76,496	3,580	3,580
Feed .....	49.1	46.3	35,169	36,966	1,660	1,730
Farm services .....	94.5	95.8	29,025	33,120	1,370	1,550
Rent .....	52.5	53.1	40,890	44,444	1,930	2,080
Agricultural chemicals .....	61.3	63.9	10,593	12,179	500	570
Fertilizer, lime and soil conditioners .....	62.6	65.7	25,000	33,547	1,180	1,570
Interest .....	59.4	54.3	9,958	10,470	470	490
Taxes .....	100.0	100.0	16,102	16,880	760	790
Labor .....	32.8	35.9	11,229	12,821	530	600
Fuel .....	85.5	83.7	12,500	16,239	590	760
Farm supplies and repairs .....	85.1	82.9	16,102	16,667	760	780
Farm improvements and construction .....	55.9	56.4	9,322	11,538	440	540
Tractors and self-propelled farm machinery .....	32.8	28.3	10,169	14,744	480	690
Other farm machinery .....	35.4	31.1	5,932	7,051	280	330
Seeds and plants .....	62.6	66.5	21,186	22,222	1,000	1,040
Trucks and autos .....	33.5	31.7	4,343	4,594	205	215
Miscellaneous capital expenses .....	22.2	16.4	106	107	5	5
Total farm production expenditures .....	100.0	100.0	333,475	370,085	15,740	17,320

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Texas: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	22.8	17.3	13,010	17,959	3,220	4,400
Feed .....	72.7	74.1	15,556	20,612	3,850	5,050
Farm services .....	94.0	93.5	10,303	10,204	2,550	2,500
Rent .....	22.3	20.8	5,333	3,796	1,320	930
Agricultural chemicals .....	27.7	21.0	1,980	1,918	490	470
Fertilizer, lime and soil conditioners .....	41.7	26.4	3,879	4,245	960	1,040
Interest .....	21.9	17.3	2,141	2,082	530	510
Taxes .....	100.0	100.0	4,202	4,367	1,040	1,070
Labor .....	29.0	27.5	6,384	6,898	1,580	1,690
Fuel .....	82.0	82.8	4,364	4,735	1,080	1,160
Farm supplies and repairs .....	76.0	78.2	3,798	3,673	940	900
Farm improvements and construction .....	45.2	45.5	3,596	3,837	890	940
Tractors and self-propelled farm machinery .....	21.9	17.0	3,152	2,898	780	710
Other farm machinery .....	21.5	16.8	1,172	1,143	290	280
Seeds and plants .....	25.4	20.4	2,788	2,612	690	640
Trucks and autos .....	22.6	18.0	1,414	1,571	350	385
Miscellaneous capital expenses .....	16.0	9.8	40	20	10	5
Total farm production expenditures .....	100.0	100.0	83,111	92,571	20,570	22,680

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, Plains Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	35.4	27.3	11,851	11,970	1,780	1,780
Feed .....	62.7	62.5	10,919	10,962	1,640	1,630
Farm services .....	92.2	94.6	15,379	17,350	2,310	2,580
Rent .....	36.2	39.4	14,115	14,122	2,120	2,100
Agricultural chemicals .....	45.5	44.9	6,059	6,859	910	1,020
Fertilizer, lime & soil conditioners .....	37.2	37.1	11,784	14,728	1,770	2,190
Interest .....	48.5	50.3	5,526	6,321	830	940
Taxes .....	99.0	100.0	4,993	5,111	750	760
Labor .....	29.7	27.8	4,860	6,321	730	940
Fuel .....	82.6	81.4	7,190	8,877	1,080	1,320
Farm supplies and repairs .....	80.4	81.4	8,455	8,608	1,270	1,280
Farm improvements and construction .....	53.3	52.4	6,858	9,818	1,030	1,460
Tractors and self-propelled farm machinery .....	22.5	15.4	9,454	9,684	1,420	1,440
Other farm machinery .....	23.1	22.2	4,461	5,245	670	780
Seeds and plants .....	33.3	34.2	8,256	9,415	1,240	1,400
Trucks and autos .....	22.7	20.9	2,863	3,194	430	475
Miscellaneous capital expenses .....	4.7	2.2	67	34	10	5
Total farm production expenditures .....	100.0	100.0	133,089	148,621	19,990	22,100

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – West Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	21.0	24.9	7,004	10,469	2,230	3,340
Feed .....	49.3	50.7	29,334	37,706	9,340	12,030
Farm services .....	93.0	93.6	34,799	34,571	11,080	11,030
Rent .....	28.0	26.9	12,500	12,725	3,980	4,060
Agricultural chemicals .....	38.5	38.4	7,506	7,773	2,390	2,480
Fertilizer, lime and soil conditioners .....	38.6	36.9	10,113	12,537	3,220	4,000
Interest .....	35.6	32.4	7,946	6,770	2,530	2,160
Taxes .....	98.0	97.6	6,533	6,864	2,080	2,190
Labor .....	38.6	38.6	40,829	39,210	13,000	12,510
Fuel .....	78.5	80.2	8,166	9,779	2,600	3,120
Farm supplies and repairs .....	75.7	74.4	11,307	10,939	3,600	3,490
Farm improvements and construction .....	50.7	46.1	8,354	7,773	2,660	2,480
Tractors and self-propelled farm machinery .....	17.3	14.0	4,271	5,548	1,360	1,770
Other farm machinery .....	17.4	15.7	1,790	2,790	570	890
Seeds and plants .....	28.6	29.3	6,595	7,146	2,100	2,280
Trucks and autos .....	19.1	15.5	2,324	2,821	740	900
Miscellaneous capital expenses .....	9.7	6.3	126	439	40	140
Total farm production expenditures .....	100.0	100.0	199,497	215,860	63,520	68,870

## Total Farm Production Expenditures by Year – West Region: 2007-2011

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

Expenditure	2007	2008	2009	2010	2011
	(million dollars)				
Livestock, poultry and related expenses .....	3,230	2,800	2,350	2,230	3,340
Feed .....	8,920	10,240	9,030	9,340	12,030
Farm services .....	10,850	11,460	11,380	11,080	11,030
Rent .....	3,130	3,480	3,460	3,980	4,060
Agricultural chemicals .....	2,190	2,490	2,450	2,390	2,480
Fertilizer, lime and soil conditioners .....	2,760	3,510	3,100	3,220	4,000
Interest .....	2,570	2,730	2,590	2,530	2,160
Taxes .....	2,130	2,190	2,010	2,080	2,190
Labor .....	12,060	13,200	13,510	13,000	12,510
Fuel .....	2,760	3,230	2,360	2,600	3,120
Farm supplies and repairs .....	3,510	4,170	3,830	3,600	3,490
Farm improvements and construction .....	3,050	3,440	3,400	2,660	2,480
Tractors and self-propelled farm machinery .....	1,250	1,790	1,470	1,360	1,770
Other farm machinery .....	600	770	650	570	890
Seeds and plants .....	1,970	2,390	2,050	2,100	2,280
Trucks and autos .....	820	860	800	740	900
Miscellaneous capital expenses .....	40	70	60	40	140
Total farm production expenditures .....	61,840	68,820	64,500	63,520	68,870

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – California: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	15.7	10.6	6,610	9,325	540	760
Feed .....	31.7	32.3	54,223	62,209	4,430	5,070
Farm services .....	91.5	90.5	69,645	66,871	5,690	5,450
Rent .....	20.4	20.2	19,339	20,736	1,580	1,690
Agricultural chemicals .....	42.8	42.8	14,810	15,828	1,210	1,290
Fertilizer, lime and soil conditioners .....	49.7	49.0	16,524	20,123	1,350	1,640
Interest .....	34.0	26.1	13,464	10,307	1,100	840
Taxes .....	100.0	100.0	11,383	13,129	930	1,070
Labor .....	55.6	54.4	98,164	93,620	8,020	7,630
Fuel .....	72.5	71.6	12,607	13,742	1,030	1,120
Farm supplies and repairs .....	69.9	70.1	18,237	17,546	1,490	1,430
Farm improvements and construction .....	45.1	39.9	13,097	12,270	1,070	1,000
Tractors and self-propelled farm machinery .....	19.3	14.9	4,529	6,871	370	560
Other farm machinery .....	20.1	13.2	2,203	3,681	180	300
Seeds and plants .....	31.1	29.5	11,995	13,129	980	1,070
Trucks and autos .....	21.1	13.9	2,815	2,822	230	230
Miscellaneous capital expenses .....	16.5	10.3	122	491	10	40
Total farm production expenditures .....	100.0	100.0	369,767	382,699	30,210	31,190

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – Washington: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	18.3	24.1	2,025	5,063	80	200
Feed .....	53.9	56.8	17,215	20,253	680	800
Farm services .....	94.7	97.4	32,658	35,696	1,290	1,410
Rent .....	22.0	22.7	12,405	10,380	490	410
Agricultural chemicals .....	46.2	36.7	9,114	9,114	360	360
Fertilizer, lime and soil conditioners .....	41.9	38.0	10,380	9,620	410	380
Interest .....	33.4	29.4	5,823	4,810	230	190
Taxes .....	100.0	99.8	6,076	5,316	240	210
Labor .....	31.3	30.4	36,203	34,684	1,430	1,370
Fuel .....	81.1	93.4	6,835	8,101	270	320
Farm supplies and repairs .....	79.4	88.9	11,139	9,367	440	370
Farm improvements and construction .....	51.0	47.5	10,380	7,595	410	300
Tractors and self-propelled farm machinery .....	19.8	14.0	3,038	2,785	120	110
Other farm machinery .....	16.4	12.9	1,013	1,266	40	50
Seeds and plants .....	31.0	33.5	6,329	6,329	250	250
Trucks and autos .....	18.5	18.5	1,519	2,278	60	90
Miscellaneous capital expenses .....	14.8	8.7	(X)	253	(Z)	10
Total farm production expenditures .....	100.0	100.0	172,152	172,911	6,800	6,830

(X) Not applicable.

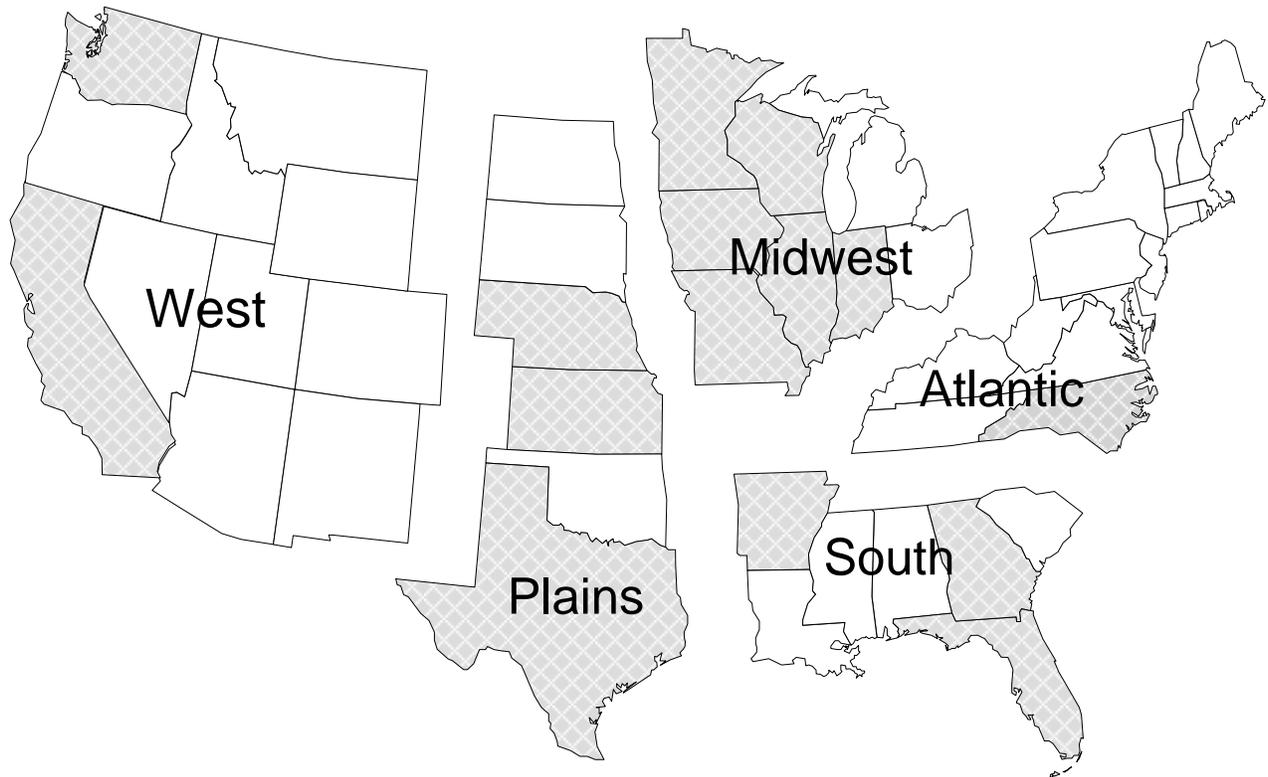
(Z) Less than half of the unit shown.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total – All Other States, West Region: 2010 and 2011

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

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
Livestock, poultry and related expenses .....	23.7	31.0	8,164	12,017	1,610	2,380
Feed .....	55.7	57.1	21,450	31,103	4,230	6,160
Farm services .....	93.3	94.1	20,791	21,055	4,100	4,170
Rent .....	32.3	30.6	9,686	9,896	1,910	1,960
Agricultural chemicals .....	35.2	36.9	4,158	4,191	820	830
Fertilizer, lime & soil conditioners .....	33.3	31.8	7,404	9,997	1,460	1,980
Interest .....	36.7	35.6	6,085	5,706	1,200	1,130
Taxes .....	96.7	96.2	4,615	4,595	910	910
Labor .....	33.0	33.7	18,002	17,723	3,550	3,510
Fuel .....	80.5	81.2	6,592	8,483	1,300	1,680
Farm supplies and repairs .....	77.3	73.3	8,469	8,533	1,670	1,690
Farm improvements and construction .....	53.0	48.4	5,984	5,958	1,180	1,180
Tractors and self-propelled farm machinery .....	15.9	13.6	4,412	5,554	870	1,100
Other farm machinery .....	16.6	17.3	1,775	2,727	350	540
Seeds and plants .....	27.0	28.3	4,412	4,847	870	960
Trucks and autos .....	18.3	15.6	2,282	2,929	450	580
Miscellaneous capital expenses .....	5.8	4.2	152	454	30	90
Total farm production expenditures .....	100.0	100.0	134,432	155,769	26,510	30,850

# 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 improving 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 include 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, the five United States Economic Classes for Gross Value of Sales used in previous reports were: \$250,000 and Over, \$100,000 – \$249,999, \$40,000 – \$99,999, \$10,000 - \$39,999, and Less Than \$10,000. 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: \$1,000,000 and Over, \$500,000 – \$999,999, \$250,000 – \$499,999, \$100,000 – \$249,999, \$50,000 – \$99,999, \$10,000 - \$49,999, and Less Than \$10,000. In 2007, a change was made to divide the largest economic class “\$1,000,000 and Over” into two classes for the purpose of calibration. The “\$1,000,000 and Over” class became “\$1,000,000 – \$4,999,999” and “\$5,000,000 and Over” classes. Calibrated indications were rerun for 2006, using these new classes as targets. The eight United States Economic Classes for Gross Value of Sales were: \$5,000,000 and Over, \$1,000,000 – \$4,999,999, \$500,000 – \$999,999, \$250,000 – \$499,999, \$100,000 – \$249,999, \$50,000 – \$99,999, \$10,000 – \$49,999, and Less Than \$10,000.

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 1990's, 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 and rolled up into the Farms services line-item.

In 2008, all eight economic classes were published for Total Production Expenses. 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 2011 Agricultural Resource Management Survey

**Publication:** “Farm Production Expenditures 2011 Summary” was released on August 2, 2012. This publication is released early in August each year.

**Data Collection:** The Agricultural Resource Management Survey (ARMS III) was conducted January through April of 2012.

**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 2011 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 1,2,3,4 are enumerated and version 5 can be EDR, mail return, or personal enumeration.

**Sample:** The 2011 sample was 34,070 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.

There is a Version 5 (CORE) questionnaire. This is initially mailed to the entire CORE sample and followed up with field enumeration. The CORE questionnaire, like the name suggests, contains only core questions. These questions are all included in the CRR version or can be arrived at by adding detail from the CRR version to totals. All States have a CORE sample.

In 2011, there were three COP commodities: Barley, Sorghum, and Broilers. The States involved this year were:

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

**Sorghum:** Arizona, California, Colorado, Idaho, Minnesota, Montana, North Dakota, Oregon, Pennsylvania, Virginia, Washington, Wisconsin, and Wyoming

**Broilers:** Alabama, Arkansas, California, Delaware, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, and Virginia

## 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 Individual 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 Field Offices (FO) 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 FO 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, FO 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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Tony Dorn, Head, Economics Section.....	(202) 690-3223
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
Nick Pallotta – Land Values, Grazing Fees, Cash Receipts .....	(202) 720-2250
Mark Gorsak – Prices, Prices Research .....	(202) 720-3225
Michael Mathison – Production Expenditures.....	(202) 720-3243
Scott Shimmin – Farm Numbers, Land in Farms, Cash Rents .....	(202) 690-3231

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