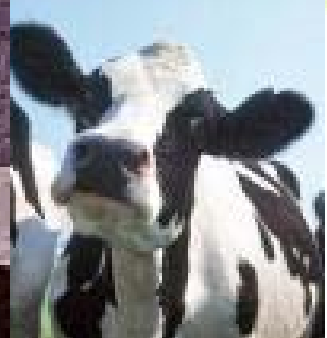




Pennsylvania Agricultural Statistics

2011-2012



Pennsylvania Agricultural Statistics 2011-2012

Commonwealth of Pennsylvania
Tom Corbett, Governor

Issued cooperatively by:

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Compiled by

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National Association of State Departments of Agriculture enumerators
collect data for the National Agricultural Statistics Service.

~~ Farm Photos on Cover ~~

Cover Farm Photos Courtesy of: Steve Williams, ICT, College of Ag Sciences, Penn State University; Howard Nuernberger, ICT, College of Ag Sciences, Penn State University; and Stacie Bird, ICT, College of Ag Sciences, Penn State University.

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United States Department of Agriculture
National Agricultural Statistics Service
Pennsylvania Field Office
Cooperating with the Pennsylvania Department of Agriculture



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Compiled and issued by USDA's
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County and State Ag Statistics

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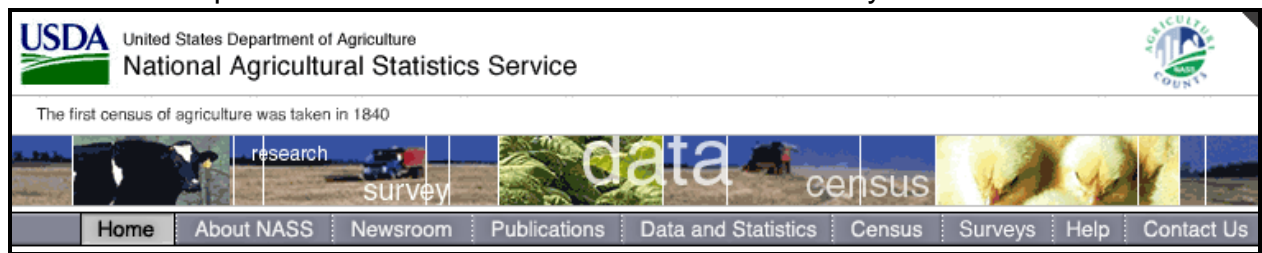
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Charts and maps are also available on the Internet for Pennsylvania and the Nation.



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- 1) **“Census”** button gives access to county & state statistics for all commodities, operator characteristics, farm expenses and much more in the periodic Censuses of Agriculture from 1840 onward. The Ag Census provides the most complete picture of agriculture at the county level. Other summaries are available such as zip code and congressional district totals with new summaries in the planning stage for watersheds and state districts. Other censuses are also available such as Horticulture, Aquaculture, Irrigation, Organic Production & Marketing, etc.
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Kevin Pautler, Director
NASS-PA Field Office

***“This information is only
available with the help of the
many growers that complete and
return NASS surveys and the Ag
Census.*”**

Thank you!”

Pennsylvania Ag Snapshot 2011

These are the most recent official end-of-season statistics for crops and livestock.



Crops:

Commodity	Acres planted	Acres harvested	Yield	Production		Price per unit (dols)	Value of production (dols)
				Number	Unit ¹		
Barley	65,000	55,000	65.0 bu.	3,575	1,000 48 lb/bu	4.79 bu.	16,624,000
Corn, for grain	1,420,000	960,000	111.0 bu.	106,560	1,000 56 lb/bu	7.10 bu.	756,576,000
Corn, for silage	---	420,000	15.5 tons	6,510	1,000 tons	58.00 ton	377,580,000
Dry hay, alfalfa	---	410,000	2.70 tons	1,107	1,000 tons	191.00 ton	211,440,000
Dry hay, other	---	1,040,000	2.30 tons	2,392	1,000 tons	134.00 ton	320,530,000
Dry hay, all	---	1,450,000	2.41 tons	3,499	1,000 tons	144.00 ton	531,970,000
Forage, alfalfa (dry equivalent) ⁵	---	560,000	3.26 tons	1,827	1,000 tons	---	---
Forage, all (dry equivalent) ⁴	---	1,690,000	2.65 tons	4,482	1,000 tons	149.84	671,598
Haylage and greenchop, alfalfa ³	---	260,000	5.60 tons	1,456	1,000 tons	---	---
Haylage and greenchop, all ²	---	390,000	5.10 tons	1,989	1,000 tons	70.20	139,628
Maple syrup	---	---	0.254 gallon	128	1,000 gal	40.00	5,120,000
Mushrooms, agaricus, 2011-12	---	---	---	547,966	1,000 lbs	.907 lb.	497,188,000
Oats	90,000	60,000	46.0 bu.	2,760	1,000 32 lb/bu	4.30 bu.	11,868,000
Potatoes	9,200	7,800	260 cwt.	2,028	1,000 cwt	12.10 cwt.	24,539,000
Soybeans	500,000	490,000	44.0 bu.	21,560	1,000 60 lb/bu	12.00 bu.	258,720,000
Tobacco, all	---	9,700	2,129 lbs.	20,655	1,000 lbs	1.680 lb.	34,698,000
Winter wheat	185,000	170,000	51.0 bu.	8,670	1,000 60 lb/bu	6.20 bu.	53,754,000
Vegetables:							
Fresh:							
Cabbage	1,200	1,000	155 cwt.	155	1,000 cwt	20.60 cwt.	3,193,000
Cantaloups	990	950	195 cwt.	185	1,000 cwt	28.10 cwt.	5,199,000
Pumpkins	6,900	5,700	180 cwt.	1,026	1,000 cwt	14.20 cwt.	14,569,000
Strawberries	990	990	40 cwt.	40	1,000 cwt	212.00 cwt.	8,480,000
Sweet corn	15,200	13,000	63 cwt.	819	1,000 cwt	27.30 cwt.	30,549,000
Tomatoes	2,400	1,900	91 cwt.	173	1,000 cwt	68.50 cwt.	11,851,000
Processing:							
Snap beans	16,600	15,400	2.83 tons	43,580	tons	292.00 ton	12,704,000
Fruit:							
Apples	---	21,000	21,800 lbs.	458.0	mil lbs	0.182 lb.	79,739,000
Cherries, tart	---	550	5,820 lbs.	3.2	mil lbs	0.371 lb.	1,150,000
Grapes	---	13,600	6.69 tons	91,000	tons	306.00 ton	26,657,000
Peaches	---	4,400	4.02 tons	17,690	tons	1,360.00 ton	23,462,000
Pears	---	800	2.78 tons	2,220	tons	995.00 ton	2,100,000

¹ Unit of data in the column named 'Production, Number.' ² Green weight. Includes all types of forage harvested as haylage or greenchop. Forage harvested as dry hay and corn and sorghum silage/greenchop are not included. ³ Green weight. Includes only alfalfa and alfalfa mixtures that were harvested as haylage or greenchop. Alfalfa harvested as dry hay is not included. ⁴ All Forage production is the sum of the following dry equivalents: alfalfa hay harvested as dry hay, all other hay harvested as dry hay, alfalfa haylage and greenchop, all other hay haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis. ⁵ All alfalfa forage production is the sum of alfalfa harvested as dry hay; and alfalfa haylage and greenchop production after converting it to a dry equivalent basis.

Livestock, Poultry and Other Commodities:

Commodity	Reference date	Inventory	Production	Market Year Average Price		Value of production (dols)
				Dollars	Unit	
Livestock:						
Cattle and calves, all	1/1/12	1,610,000 head	---	---	---	616,466,000 ¹
Beef cows	1/1/12	160,000 head	---	---	dols per cwt	---
Milk cows	1/1/12	540,000 head	---	1,490	dols per head	---
Milk production	2011	---	10,604 mil lbs	22.10	dols per cwt	2,343,484,000
Hogs, all	12/1/11	1,120,000 head	---	---	dols per cwt	325,457,000 ¹
Sheep, all	1/1/12	89,000 head	---	---	---	---
Goats, all	1/1/12	60,500 head	---	---	---	---
Poultry:						
Broilers	2011	---	155,600,000 head	0.465	dols per lb	406,072,000
Chickens, excluding broilers	12/1/11	28,894,000 head	---	---	dols per lb	106,908,000
Layers, all	12/1/11	25,153,000 head	---	---	---	---
Egg production	2011	---	7,306 mil eggs	0.816	dols per dozen	497,039,000
Turkeys raised	2011	---	7,500,000 head	0.682	dols per lb	119,180,000
Other:						
Farms, land in	2011	7,650,000 acres	---	---	---	---
Farms, number	2011	62,200 farms	---	---	---	---
Honey produced	2011	---	1,056,000 lbs	242	cents per lb	2,556,000
Mink pelts	2011	---	70,700	---	---	---
Trout sold	2011	---	1,822,000 lbs	---	---	6,279,000

¹ Gross income.

Pennsylvania: Record Highs and Lows in PA Agriculture ¹

Field Crops and Vegetables	Year Estimates Started	Record	Acreage		Yield			Production	
			Harvested	Year	Unit	Per Acre	Year	Total	Year
			(1,000)					(1,000)	
Corn for grain.....	1866	High Low	1,590 672	1918 1966	Bu.	143 22	2009 1930	151,800 19,074	1985 1930
Corn for silage	1919	High Low	590 156	1999 1921	Ton	19.5 6.0	2009 1930	8,325 1,326	2008 1923
Wheat	1866	High Low	1,610 135	1901 2004	Bu.	64 10.5	2008 1872	26,565 6,615	1901 2004
Oats	1866	High Low	1,330 60	1888 2011	Bu.	70 17.5	1985 1890	44,165 2,760	1918 2011
Barley.....	1866	High Low	245 7	1955 1915	Bu.	81 16.5	2006 1874	9,900 130	1967 1914
Soybeans	1924	High Low	495 2	2010 1935	Bu.	46 13	2009 1957	21,560 33	2011 1935
Dry hay, all.....	1866	High Low	3,300 1,450	1892 2011	Ton	2.93 1.00	2006 1911	5,302 2,255	1985 1866
Dry hay, alfalfa.....	1919	High Low	850 31	1987 1919	Ton	3.30 1.60	1985 1932	2,772 65	1985 1919
Potatoes.....	1866	High Low	308 7.8	1917 2011	Cwt.	310 38	2009 1876	19,662 1,794	1934 2011
Tobacco	1866	High Low	49.0 3.0	1918 1869	Lbs.	2,349 730	2010 1881	72,275 3,390	1918 1867
Mushrooms.....	1966	High Low	- -	- -	Lbs.	- -	- -	548,233 93,000	2011 1966
Cabbage, fresh	1992	High Low	2.0 1.0	1996 2011	Cwt.	330 90	2010 2001	513 155	1992 2011
Cantaloup, fresh	1992	High Low	1.2 0.9	2003 2009	Cwt.	195 88	2011 2003	185 99	2011 2004
Pumpkins ²	2000	High Low	8.1 5.7	2004 2011	Cwt.	185 100	2008 2003	1,313 732	2005 2007
Snap beans, proc. ...	1918	High Low	15.4 .1	2011 1921	Ton	3.95 .80	2009 1930	46.8 .3	2004 1921
Sweet corn, fresh.....	1939	High Low	29.4 10.9	1944 1972	Cwt.	85 35	1989 1939	1,454 545	1989 1972
Sweet corn, proc ³ . ..	1918	High Low	16.7 .8	1943 2003	Ton	8.45 .90	1992 1930	44.9 3.0	1956 1921
Strawberries.....	1918	High Low	4.1 .99	1937 2011	Cwt.	66 14	2001 1945	125.3 2.7	1937 1945
Tomatoes, fresh.....	1918	High Low	5.0 .5	1987 1926	Cwt.	220 53	2008 1926	840 27	2000 1926

¹ In some cases, the record high and/or low is identical for more than one year. In such cases, the year shown is the latest year of occurrence. ² Added to vegetable program in 2000. ³ Sweet corn processed discontinued in 2007 to avoid disclosure of individual operations.



Record Highs & Lows in Pennsylvania Agriculture (Continued) ¹

Fruit	Year estimates started	Units	Total production		
			Record	Total	Year
Apples	1889	Million Lbs.	High Low	1,114 78	1896 1921
Tart cherries	1938	Million Lbs.	High Low	35.0 2.3	1964 2010
Sweet cherries ⁴	1938	Tons	High Low	2,200 50	1940 1990
Peaches ³	1899	Tons	High Low	74,400 ²	1954 1994
Pears	1909	Tons	High Low	21,125 1,900	1920 1973
Grapes	1909	Tons	High Low	107,200 6,000	2008 1945
Livestock and products	Year estimates started	Units	Inventory January 1 or production		
			Record	Total	Year
Cattle and calves	1867	1,000 Head	High Low	2,100 1,250	1982 1927
Milk cows	1867	1,000 Head	High Low	943 540	1945 2012
Hogs and pigs	1867	1,000 Head	High Low	1,265 424	1918 1965
Sheep	1867	1,000 Head	High Low	2,985 81	1867 2001
Chickens, all	1924	1,000 Head	High Low	30,619 13,850	2000 1975
Turkeys, raised	1929	1,000 Head	High Low	12,000 192	2004 1929
Broilers produced	1939	1,000 Head	High Low	160,900 2,500	2008 1939
Milk	1924	Million Lbs.	High Low	11,156 4,213	2000 1928
Eggs	1924	Million Eggs	High Low	7,306 1,649	2011 1924
Wool	1909	1,000 Lbs.	High Low	4,514 350	1911 2009

¹ In some cases the record high and/or low is identical for more than one year. In such cases, the year shown is the latest year of occurrence. ² No significant production due to the severe winter. ³ Peach units were converted from pounds to tons in 2004. ⁴ Sweet cherry estimates were discontinued in 2005.



Pennsylvania: Ranking of States in Crop Production, 2011

Commodity	PA Ranking	1	2	3	4	5	6	7	8	9	10
Crops											
Corn for grain	16	IA	IL	NE	MN	IN	SD	WI	OH	KS	MO
Corn for silage	4	WI	CA	NY	PA	MN	ID	MI	IA	KS	SD
Winter wheat	30	KS	WA	MT	CO	OK	SD	NE	OR	ID	MI
Oats	6	WI	MN	ND	SD	IA	PA	TX	OH	MI	NY
Barley	10	ID	MT	ND	WA	AZ	CO	VA	WY	CA	PA
Dry hay, all	15	SD	CA	MO	NE	MT	MN	KY	ND	ID	TX
Dry hay, other	8	MI	KY	TX	TN	VA	NE	KS	PA	SD	AR
Dry hay, alfalfa	20	SD	CA	MT	ID	MN	ND	WI	NE	CO	IA
Soybeans for beans	19	IA	IL	MN	NE	IN	OH	MO	SD	AR	ND
Tobacco	7	NC	KY	VA	TN	GA	SC	PA	OH	CT	MA
Potatoes, all	18	ID	WA	WI	OR	CO	ND	MN	MI	CA	ME
Mushrooms, agaricus	1	PA	CA	WA	-	-	-	-	-	-	-
Fruit											
Apples	4	WA	NY	MI	PA	CA	VA	NC	OR	WV	ID
Cherries, tart	6	MI	UT	WA	WI	NY	PA	OR	-	-	-
Grapes	5	CA	WA	NY	MI	PA	OR	OH	VA	MO	NC
Peaches	5	CA	SC	GA	NJ	PA	MI	WA	CO	IL	NY
Pears	6	WA	CA	OR	NY	MI	PA	-	-	-	-
Vegetables											
Sweet corn, fresh market	9	FL	CA	GA	WA	NY	OH	CO	MI	PA	WI
Tomatoes, fresh market	13	CA	FL	NC	TN	VA	OH	NJ	SC	MI	AL
Cabbage, fresh market	13	CA	NY	FL	CO	TX	GA	AZ	NC	WI	MI
Cantaloups, fresh market	8	CA	AZ	GA	IN	SC	CO	TX	PA	MD	-
Pumpkins, fresh market	4	IL	CA	OH	PA	MI	NY	-	-	-	-
Snap beans, processing	5	WI	OR	MI	NY	PA	IL	-	-	-	-
Strawberries, fresh market	4	CA	FL	NC	PA	WI	NY	MI	OR	OH	WA
Other Commodities											
Maple syrup	5	VT	NY	ME	WI	PA	OH	MI	NH	MA	CT
Christmas trees ¹	4	OR	NC	MI	PA	WI	WA	NY	VA	OH	MN
Floriculture crops, wholesale value	10	CA	FL	MI	TX	NC	OH	NJ	NY	WA	PA
Nursery crops, 2007 total sales ¹	14	CA	FL	OR	TX	NC	AZ	NJ	TN	OH	IL

¹ Data taken from the 2007 Census of Agriculture.

Pennsylvania: Ranking of Counties in Crop Production, 2011

Commodity	1	2	3	4	5	6	7	8	9	10
Wheat	Lancaster	York	Berks	Chester	Adams	Cumb.	Lehigh	Columbia	Centre	North'ton
Corn for grain	Lancaster	York	Mercer	Crawford	Berks	North'ld	North'ton	Lebanon	Chester	Cumb.
Corn for silage	Lancaster	Franklin	Cumb.	Lebanon	Berks	Chester	Bradford	Bedford	Blair	Somerset
Oats	Somerset	Cambria	Butler	Centre	Crawford	Schuylkill	West.	Bedford	Armstrong	Erie
Barley	Franklin	Lancaster	York	Cumb.	Lebanon	Chester	Adams	North'ld.	Dauphin	Perry
Soybeans	Lancaster	York	Berks	North'ld.	Lebanon	Crawford	Cumb.	Lehigh	Mercer	Adams
Dry hay, alfalfa	Lancaster	Bedford	Bradford	Wash.	Berks	Somerset	Butler	West.	Crawford	Tioga
Dry hay, other	Bradford	Tioga	York	Wash.	Franklin	Adams	Susqu.	Chester	Wayne	Crawford
Dry hay, all ¹	Lancaster	Franklin	Bedford	Wash.	Chester	Crawford	Berks	Bradford	York	Somerset
Forage, all	Lancaster	Bradford	Franklin	Tioga	Somerset	Berks	Wash.	Crawford	Bedford	York
Potatoes ²	-	-	-	-	-	-	-	-	-	-
Apples	Adams	Franklin	Bedford	Berks	York	Cumb.	-	-	-	-
Peaches	Adams	Berks	York	Lancaster	-	-	-	-	-	-

¹ Data taken from the 2008 survey. ² Potatoes discontinued in 2008 to avoid disclosure of individual operations.

Pennsylvania: Ranking of States in Livestock, Poultry and Cash Receipts, 2011-2012

Commodity	PA Ranking	1	2	3	4	5	6	7	8	9	10
Livestock Inventory, 1/1/12											
All cattle and calves	19	TX	NE	KS	CA	OK	IA	MO	SD	WI	CO
Milk cows	5	CA	WI	NY	ID	PA	MN	TX	MI	NM	OH
Hogs and pigs ¹	12	IA	NC	MN	IL	IN	NE	MO	OK	OH	KS
Sheep and lambs	15	TX	CA	CO	WY	UT	SD	ID	MT	OR	IA
Milk goats	5	WI	CA	IA	TX	PA	NY	IN	MN	CO	OR
Poultry Inventory, 12/1/11											
Chickens, excluding broilers	4	IA	OH	IN	PA	GA	CA	TX	AR	NC	AL
Layers, all	3	IA	OH	PA	IN	CA	TX	GA	NC	AR	MI
Livestock & Poultry Production, 2011											
Milk production	5	CA	WI	ID	NY	PA	TX	MN	MI	NM	WA
Milk production per cow	23	NM	WA	AZ	CA	CO	MI	ID	NV	TX	IA
Egg production	3	IA	OH	PA	IN	CA	TX	GA	NC	MI	AR
Broilers produced	14	GA	AR	AL	NC	MS	TX	MD	KY	MO	VA
Broiler-type chick hatch	13	GA	AL	AR	NC	MS	TX	MO	KY	MD	OK
Turkeys raised	9	MN	NC	AR	MO	VA	IN	CA	SC	PA	OH
Slaughter in Commercial Plants, 2011											
Number of plants	1	PA	MT	IA	OH	MO	MN	NE	WI	IN	TX
Cattle (head)	8	NE	TX	KS	CO	CA	WI	WA	PA	MN	MI
Calves (head)	3	CA	OH	PA	NY	WI	NJ	WA	MI	TX	IL
Goats ² (head)	12	NJ	DE/MD	NY	IL	IN	CA	FL	TX	GA	NC
Hogs (head)	10	IA	NC	MN	IL	IN	MO	NE	OK	SD	PA
Sheep and lambs (head)	9	CO	CA	MI	IL	NJ	TX	IA	DE/MD	PA	NY
Total red meat (lbs.)	14	NE	IA	KS	TX	IL	MN	NC	CO	MO	IN
Other Livestock, 2011											
Trout produced (dollars)	3	ID	NC	PA	CA	MO	WA	WI	CO	VA	OR
Honey produced (lbs.)	23	ND	CA	SD	MT	FL	MN	MI	TX	WI	ID
Mink pelts	11	WI	UT	ID	OR	MN	OH	IA	WA	SD	IL
Number of Farms, 2011											
Cash Receipts, 2011											
Total	23	CA	IA	TX	NE	IL	MN	KS	IN	WI	NC
Livestock and products	12	TX	CA	IA	NE	KS	WI	MN	NC	OK	GA
Crops	26	CA	IA	IL	NE	MN	IN	KS	TX	FL	OH
Direct Sales, 2007 ³	3	CA	NY	PA	MI	OR	OH	WA	WI	MA	TX

¹ Inventory December 1, 2011. ² Federally inspected only. ³ Data taken from the 2007 Census of Agriculture.

Pennsylvania: Ranking of Counties in Livestock, Poultry and Number of Farms, 2011-2012

Commodity	1	2	3	4	5	6	7	8	9	10
Inventory, Jan. 1, 2012										
Cattle and calves	Lanc.	Frank.	Berks	Bradfd.	Cumb.	Lebanon	Bedfd.	York	Somer.	Craw.
Hogs and pigs ²	Lanc.	Lebanon	Frank.	Berks	Perry	North'd	York	Snyder	Juniata	Fulton
Sheep and lambs ²	Wash.	Lanc.	York	Bedfd.	Greene	Chester	Dauphin	Somer.	Cambria	Mercer
Layers, all ²	Lanc.	Berks	Schuyl.	Lebanon	Frank.	York	Dauphin	Perry	Union	Cumb.
Cows in milking herd	Lanc.	Frank.	Lebanon	Berks	Bradfd.	Chester	Blair	Bedfd.	Somer.	Cumb.
Production, 2011										
Broilers produced ²	Lanc.	Lebanon	Snyder	Juniata	Berks	Union	Schuyl.	North'd	Dauphin	Perry
Milk production	Lanc.	Frank.	Lebanon	Berks	Chester	Bradfd.	Blair	Cumb.	Bedfd.	Somer.
Number of Farms, 2011										
Cash Receipts, 2011 ¹										
Lanc.	Lanc.	Chester	Berks	Frank.	Lebanon	Adams	York	Cumb.	Snyder	Craw.
Direct Sales, 2007 ²										
Lanc.	Lanc.	Bucks	York	Schuyl.	Adams	Chester	Frank.	Berks	Butler	Mont.

¹ Government payments not included. ² Data taken from the 2007 Census of Agriculture.

Farms, Land in Farms & Value



Farms, Land In Farms and Value, 2011

By Jack C. Doney

Pennsylvania: Number of Farms and Land In Farms, 1970-2011^{1 2}

Year	Number of Farms (number)	Land In Farms	
		Total Acres (1,000)	Per Farm (acres)
1970	74,000	10,200	138
1980	62,000	9,000	145
1990	53,000	8,100	153
2000	59,000	7,690	130
2007	63,200	7,800	123
2008	63,200	7,750	123
2009	63,200	7,750	123
2010	62,700	7,700	123
2011	62,200	7,650	123

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year. ² The implementation of the new North American Industry Classification System (NAICS) has resulted in new industries being included in the count of number of farms beginning with the year 1993. These new industries include some places with maple taps, horses and short rotation woody crops.

Pennsylvania: Number of Farms By Sales Class, 1970-2011

Year	Gross Value of Sales						Total	
	\$1,000 - \$9,999		\$10,000 - \$99,999		\$100,000 +			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1970 ¹	-	-	-	-	-	-	-	-
1980 ¹	-	-	-	-	-	-	-	-
1990	24,800	46.8	20,100	37.9	8,100	15.3	53,000	100.0
2000	32,800	55.6	16,400	27.8	9,800	16.6	59,000	100.0
2007	37,000	58.6	15,500	24.5	10,700	16.9	63,200	100.0
2008	37,000	58.6	15,500	24.5	10,700	16.9	63,200	100.0
2009	37,000	58.6	15,500	24.5	10,700	16.9	63,200	100.0
2010	37,000	59.0	15,500	24.7	10,200	16.3	62,700	100.0
2011	35,800	57.6	15,700	25.2	10,700	17.2	62,200	100.0

¹ Economic sales class was started in 1987.

Pennsylvania: Land In Farms By Sales Class, 1970-2011

Year	Gross Value of Sales						Total	
	\$1,000 - \$9,999		\$10,000 - \$99,999		\$100,000 +			
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
	(1,000)	(number)	(1,000)	(number)	(1,000)	(number)	(1,000)	(number)
1970 ¹	-	-	-	-	-	-	-	-
1980 ¹	-	-	-	-	-	-	-	-
1990	1,800	22.2	3,500	43.2	2,800	34.6	8,100	100.0
2000	2,280	29.7	2,400	31.2	3,010	39.1	7,690	100.0
2007	2,400	30.8	2,050	26.3	3,350	42.9	7,800	100.0
2008	2,400	31.0	2,050	26.5	3,300	42.5	7,750	100.0
2009	2,400	31.0	2,050	26.5	3,300	42.5	7,750	100.0
2010	2,400	31.2	2,100	27.2	3,200	41.6	7,700	100.0
2011	2,300	30.1	2,050	26.8	3,300	43.1	7,650	100.0

¹ Economic sales class was started in 1987.

Pennsylvania: Average Size of Farm By Sales Class, 1970-2011

Year	Gross Value of Sales			State
	\$1,000 - \$9,999	\$10,000 - \$99,999	\$100,000 +	
	(acres)	(acres)	(acres)	(acres)
1970 ¹	-	-	-	-
1980 ¹	-	-	-	-
1990	73	174	346	153
2000	70	146	307	130
2007	65	132	313	123
2008	65	132	308	123
2009	65	132	308	123
2010	66	133	308	123
2011 ²	-	-	-	123

¹ Economic sales class was started in 1987. ² Data no longer published at the State level.

Pennsylvania: Farm Numbers, Land In Farms, Average Size and Land Area, 2009 ^{1 2}

County & district	Number of farms	Land in farms	Average size of farm	Total land area (approximate)
	(number)	(acres)	(acres)	(acres)
Adams	1,288	173,000	135	332,804
Allegheny	534	38,000	71	467,309
Armstrong	793	121,000	153	418,515
Beaver	823	67,000	81	277,896
Bedford	1,172	209,000	178	649,287
Berks	1,978	220,000	111	549,683
Blair	523	87,000	166	336,513
Bradford	1,456	265,000	182	736,426
Bucks	933	75,000	80	388,721
Butler	1,115	129,000	116	504,662
Cambria	655	87,000	133	440,335
Cameron	34	5,000	147	254,185
Carbon	207	20,000	97	243,864
Centre	1,145	147,000	128	708,821
Chester	1,731	166,000	96	483,820
Clarion	871	131,000	150	385,562
Clearfield	473	62,000	131	734,282
Clinton	536	56,000	104	570,154
Columbia	961	122,000	127	310,749
Crawford	1,467	227,000	155	648,143
Cumberland	1,549	156,000	101	352,106
Dauphin	835	89,000	107	336,185
Elk	376	33,000	88	530,337
Erie	1,607	178,000	111	513,247
Fayette	1,219	140,000	115	505,688
Forest	84	10,000	119	273,995
Franklin	1,539	241,000	157	494,026
Fulton	607	103,000	170	280,042
Greene	1,244	149,000	120	368,551
Huntingdon	929	147,000	158	559,395
Indiana	1,543	186,000	121	530,733
Jefferson	596	86,000	144	419,507
Juniata	787	97,000	123	250,620
Lackawanna	417	39,000	94	293,524
Lancaster	5,457	423,000	78	607,399
Lawrence	707	92,000	130	230,695
Lebanon	1,192	113,000	95	231,588
Lehigh	516	84,000	163	221,864
Luzerne	609	66,000	108	570,118
Lycoming	1,210	159,000	131	790,306
McKean	313	41,000	131	628,203
Mercer	1,209	169,000	140	429,962
Mifflin	1,023	93,000	91	263,588
Monroe	349	29,000	83	389,441
Montgomery	718	42,000	58	309,196
Montour	582	50,000	86	83,681
Northampton	486	68,000	140	239,230
Northumberland	935	147,000	157	294,343
Perry	1,001	143,000	143	354,251
Pike	54	27,000	500	349,958
Potter	378	88,000	233	691,946
Schuylkill	965	118,000	122	498,151
Snyder	997	99,000	99	211,971
Somerset	1,155	205,000	177	687,782
Sullivan	165	28,000	170	287,959
Susquehanna	1,007	157,000	156	526,632
Tioga	1,010	183,000	181	725,585
Union	574	63,000	110	202,705
Venango	487	64,000	131	432,024
Warren	830	99,000	119	565,406
Washington	2,021	209,000	103	548,538
Wayne	602	92,000	153	466,699
Westmoreland	1,414	166,000	117	656,310
Wyoming	648	77,000	119	254,208
York	2,463	290,000	118	578,851
Southeastern, Combined Counties	96	5,000	52	-
Northwestern	5,684	747,000	131	-
North Central	5,478	858,000	157	-
Northeastern	2,674	365,000	136	-
West Central	6,448	812,000	126	-
Central	11,420	1,433,000	125	-
East Central	3,186	412,000	129	-
Southwestern	7,587	907,000	120	-
South Central	8,618	1,172,000	136	-
Southeastern	12,105	1,044,000	86	-
Pennsylvania	63,200	7,750,000	123	28,682,630

¹ Counties not shown separately are included in 'Combined Counties'. ² Based on 2007 U.S. Census of Agriculture.

Pennsylvania: Estimated Number of Farms, 2007

Data taken from the 2007 Census of Agriculture published February 4, 2009

County	Dairy	Cattle	Hog	Sheep	Goats	Poultry
	(number)	(number)	(number)	(number)	(number)	(number)
Adams	64	427	62	70	126	168
Allegheny	5	119	19	46	37	70
Armstrong	53	351	37	34	56	106
Beaver	39	296	25	53	48	80
Bedford	227	666	70	58	96	153
Berks	308	844	106	132	149	303
Blair	116	279	19	37	56	92
Bradford	292	753	63	68	108	150
Bucks	28	170	33	143	67	188
Butler	45	508	65	58	73	135
Cambria	21	292	42	16	38	75
Cameron	2	21	8	-	2	4
Carbon	4	40	11	15	19	40
Centre	167	537	83	54	101	191
Chester	286	551	48	151	150	278
Clarion	54	345	45	25	58	95
Clearfield	22	190	26	7	29	65
Clinton	88	210	29	11	47	103
Columbia	47	225	32	29	52	77
Crawford	243	752	161	72	116	215
Cumberland	227	597	57	64	142	223
Dauphin	87	279	36	65	66	159
Delaware	1	15	2	9	12	12
Elk	15	123	14	9	6	56
Erie	83	405	71	41	73	140
Fayette	57	595	88	63	110	142
Forest	5	37	6	1	4	12
Franklin	429	870	90	106	113	248
Fulton	51	268	48	38	37	65
Greene	17	531	47	76	107	99
Huntingdon	94	420	47	42	72	103
Indiana	158	528	109	87	101	217
Jefferson	46	255	34	17	35	83
Juniata	146	329	49	31	92	167
Lackawanna	22	110	9	15	24	46
Lancaster	1,928	3,142	390	347	411	1,322
Lawrence	134	385	74	53	59	113
Lebanon	276	560	85	88	102	215
Lehigh	16	72	17	40	38	66
Luzerne	21	144	18	22	27	60
Lycoming	107	426	66	38	65	141
McKean	16	122	25	11	40	42
Mercer	180	578	139	79	94	166
Mifflin	292	591	116	113	76	248
Monroe	6	57	14	18	28	49
Montgomery	24	135	43	75	59	122
Montour	53	173	13	10	42	72
Northampton	33	123	25	35	44	73
Northumberland	84	312	43	33	55	113
Perry	108	367	44	33	88	123
Philadelphia	-	1	1	3	4	2
Pike	1	16	-	7	10	13
Potter	51	164	23	14	24	34
Schuylkill	52	239	31	27	59	142
Snyder	153	454	72	70	113	237
Somerset	273	621	78	68	87	225
Sullivan	20	75	11	3	10	31
Susquehanna	126	421	35	59	57	131
Tioga	146	464	51	59	71	130
Union	151	289	33	22	40	138
Venango	24	231	52	19	45	76
Warren	77	278	87	32	56	118
Washington	51	842	93	213	200	218
Wayne	101	274	38	28	40	94
Westmoreland	92	575	86	91	96	158
Wyoming	41	153	28	14	30	77
York	147	753	115	205	252	314
Pennsylvania	8,333	25,975	3,637	3,672	4,844	9,423

Pennsylvania: Cattle and Calves – Inventory, 2007 and 2002

Data taken from the 2007 Census of Agriculture publication published February 4, 2009

Item	2007		2002	
	Farms	Number	Farms	Number
Cattle and calves	25,975	1,609,147	28,163	1,632,649
Farms with-				
1 to 9	7,579	34,858	6,672	32,852
10 to 19	4,172	56,657	4,701	64,789
20 to 49	4,970	153,974	6,544	206,405
50 to 99	4,620	332,728	5,851	415,361
100 to 199	3,027	405,619	3,020	401,949
200 to 499	1,336	383,738	1,169	331,685
500 to 999	216	141,896	162	107,473
1,000 to 2,499	46	62,122	38	52,028
2,500 to 4,999	7	(D)	6	20,107
5,000 or more	2	(D)	-	-
Cows and heifers that had calved	19,769	711,751	23,118	803,765
Farms with-				
1 to 9	7,683	31,483	7,301	32,912
10 to 19	2,926	38,595	4,175	55,559
20 to 49	4,361	148,822	6,562	222,337
50 to 99	3,350	217,810	3,655	237,897
100 to 199	1,096	140,212	1,080	138,656
200 to 499	283	78,223	301	82,204
500 to 999	58	36,876	38	24,014
1,000 to 2,499	11	(D)	6	10,186
2,500 or more	1	(D)	-	-
Beef cows	12,253	158,430	14,743	212,234
Farms with-				
1 to 9	7,229	30,405	7,324	32,788
10 to 19	2,719	35,780	3,858	50,945
20 to 49	1,834	52,353	3,052	90,744
50 to 99	370	23,389	424	25,670
100 to 199	78	9,769	72	8,979
200 to 499	21	(D)	13	3,108
500 to 999	2	(D)	-	-
1,000 to 2,499	-	-	-	-
2,500 or more	-	-	-	-
Milk cows	8,333	553,321	9,629	591,531
Farms with-				
1 to 9	1,049	2,619	984	2,740
10 to 19	306	4,099	475	6,502
20 to 49	2,680	101,174	3,651	135,137
50 to 99	2,996	195,178	3,209	209,960
100 to 199	980	124,815	985	125,847
200 to 499	255	70,832	282	77,667
500 to 999	55	34,874	37	23,492
1,000 or more	12	19,730	6	10,186
1,000 to 2,499	11	(D)	(NA)	(NA)
2,500 or more	1	(D)	(NA)	(NA)
Other cattle	22,163	897,396	23,435	828,884
Farms with-				
1 to 9	8,003	34,580	7,919	34,952
10 to 19	3,641	48,995	4,375	59,084
20 to 49	5,703	179,209	6,762	207,026
50 to 99	2,838	189,486	2,808	185,598
100 to 199	1,255	163,725	1,041	137,879
200 to 499	589	174,951	437	123,625
500 to 999	121	76,055	73	47,493
1,000 to 2,499	10	15,850	18	(D)
2,500 or more	3	14,545	2	(D)
Cattle on feed	3,038	144,174	4,836	155,063
Farms with-				
1 to 9	1,242	5,405	2,405	10,018
10 to 19	575	7,485	889	11,326
20 to 49	544	16,287	759	22,014
50 to 99	362	24,864	419	27,867
100 to 199	150	20,334	217	29,281
200 to 499	120	34,524	119	33,949
500 to 999	42	27,125	23	13,954
1,000 to 2,499	1	(D)	5	6,654
2,500 or more	2	(D)	-	-

(D) Withheld to avoid disclosing data for individual farms.

Pennsylvania: Hogs and Pigs – Inventory, 2007 and 2002

Item	2007		2002	
	Farms	Number	Farms	Number
Total hogs and pigs	3,637	1,167,449	3,825	1,226,845
Farms with-				
1 to 24	2,565	15,799	2,454	17,003
25 to 49	207	6,862	300	10,348
50 to 99	135	8,826	184	12,225
100 to 199	98	13,819	163	21,892
200 to 499	150	44,783	232	74,114
500 to 999	117	79,605	177	119,729
1,000 to 1,999	164	220,253	144	193,062
2,000 to 4,999	164	492,007	137	397,688
5,000 or more	37	285,495	34	380,784
Hogs and pigs used or to be used for breeding	1,380	119,946	1,506	140,346
Farms with-				
1 to 24	1,098	6,235	1,143	7,077
25 to 49	77	2,431	92	2,984
50 to 99	46	3,012	80	5,213
100 to 199	59	8,062	65	9,052
200 to 499	51	14,857	75	22,968
500 or more	49	85,349	51	93,052
Other hogs and pigs	3,292	1,047,503	3,500	1,086,499
Farms with-				
1 to 24	2,308	14,000	2,252	15,337
25 to 49	172	5,635	249	8,555
50 to 99	103	6,796	155	10,157
100 to 199	92	12,236	154	20,165
200 to 499	151	43,397	232	72,472
500 to 999	129	85,677	167	111,740
1,000 or more	337	879,762	291	848,073

Pennsylvania: Sheep and Lambs – Inventory, Wool Production, and Number Sold, 2007 and 2002

Item	2007		2002	
	Farms	Number	Farms	Number
Sheep and lambs inventory	3,672	96,883	3,504	102,890
Farms with-				
1 to 24	2,710	24,305	2,394	20,923
25 to 99	789	35,406	906	40,375
100 to 299	149	22,554	181	27,032
300 to 999	22	(D)	20	9,460
1,000 to 2,499	2	(D)	3	5,100
2,500 to 4,999	-	-	-	-
5,000 or more	-	-	-	-
Ewes 1 year old or older	3,067	62,828	3,217	61,191
Wool production (pounds)	2,036	436,091	2,013	488,454
Sheep and lambs sold	2,327	62,262	1,898	65,960

Pennsylvania: Goats – Inventory and Number Sold, 2007 and 2002

Item	Inventory		Number sold	
	2007	2002	2007	2002
Goats, all	4,844	3,213	1,797	1,182
farms	59,214	39,932	27,520	17,298
number				
Angora goats	227	161	58	40
farms	1,298	1,023	378	304
number	(X)	(X)	104	67
Mohair produced ¹	(X)	(X)	9,515	8,785
pounds	1,342	1,082	426	351
farms	14,297	12,652	5,901	4,510
Number	3,864	2,426	1,422	927
Meat and other goats	43,619	26,257	21,241	12,484
farms				
number				

¹ Data are for farms with production, not necessarily sold.

Farm Real Estate, Average Value per Acre - Region, State and United States, 2008-2012

Region and state	2008	2009	2010	2011	2012	Change 2010-2011
	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(percent)
Northeast	4,980	4,830	4,690	4,690	4,780	1.9
Connecticut	12,700	12,000	11,500	11,500	11,100	-3.5
Delaware	10,300	8,900	8,100	8,100	8,100	-
Maine	2,200	2,100	2,000	*2,000	1,970	-1.5
Maryland	8,000	7,500	7,200	7,200	7,200	-
Massachusetts	12,300	12,000	*11,300	11,000	10,500	-4.5
New Hampshire	4,900	4,800	4,750	4,650	4,550	-2.2
New Jersey	15,300	13,800	13,100	12,700	12,200	-3.9
New York	2,350	2,400	2,400	2,450	2,650	8.2
Pennsylvania	5,120	5,100	5,000	5,000	5,200	4.0
Rhode Island	16,800	15,300	13,600	13,000	12,000	-7.7
Vermont	2,900	2,800	2,750	2,750	2,750	-
Lake	3,410	3,300	*3,340	3,650	4,180	14.5
Michigan	3,900	3,750	3,650	3,850	4,250	10.4
Minnesota	2,970	2,870	*2,990	3,350	4,050	20.9
Wisconsin	3,850	3,750	*3,750	4,050	4,350	7.4
Corn Belt	3,700	3,620	*3,960	*4,700	5,560	18.3
Illinois	4,550	4,530	*4,900	5,700	6,700	17.5
Indiana	4,100	4,020	*4,300	*5,300	6,200	17.0
Iowa	3,950	3,850	*4,500	*5,700	7,000	22.8
Missouri	2,300	2,200	*2,350	*2,550	2,900	13.7
Ohio	4,020	3,880	*4,000	*4,400	5,000	13.6
Northern Plains	1,020	1,020	*1,120	*1,350	1,710	26.7
Kansas	1,020	1,030	*1,100	1,300	1,550	19.2
Nebraska	1,330	1,340	*1,520	1,940	2,590	33.5
North Dakota	770	780	*850	980	1,240	26.5
South Dakota	920	890	*970	*1,130	1,400	23.9
Appalachian	3,650	3,530	*3,560	3,650	3,690	1.1
Kentucky	2,850	2,850	2,880	2,900	3,050	5.2
North Carolina	4,450	4,250	*4,200	4,470	4,470	-
Tennessee	3,450	3,300	*3,550	3,650	3,700	1.4
Virginia	5,000	4,800	4,600	4,500	4,450	-1.1
West Virginia	2,500	2,400	2,400	2,700	2,700	-
Southeast	3,940	3,690	*3,520	3,450	3,310	-4.1
Alabama	2,300	2,150	2,100	2,050	2,000	-2.4
Florida	5,640	5,150	*4,800	4,700	4,600	-2.1
Georgia	4,300	4,100	3,900	3,800	3,500	-7.9
South Carolina	2,950	2,900	2,900	2,900	2,900	-
Delta	2,220	2,160	2,230	2,340	2,500	6.8
Arkansas	2,420	2,390	2,500	2,600	2,850	9.6
Louisiana	2,050	1,970	2,050	2,200	2,400	9.1
Mississippi	2,080	2,000	2,030	2,120	2,140	0.9
Southern Plains	1,470	1,470	*1,580	1,660	1,730	4.2
Oklahoma	1,150	1,170	*1,240	1,330	1,480	11.3
Texas	1,550	1,550	*1,670	1,750	1,800	2.9
Mountain	1,030	922	*913	923	974	5.5
Arizona ¹	3,500	3,500	3,500	3,500	3,600	2.9
Colorado	1,150	1,100	1,080	1,100	1,170	6.4
Idaho	2,500	2,200	2,100	2,050	2,120	3.4
Montana	900	700	700	710	760	7.0
Nevada ¹	1,000	1,000	1,000	1,000	1,050	5.0
New Mexico ¹	500	480	480	500	560	12.0
Utah ¹	1,850	1,800	1,810	1,800	1,800	-
Wyoming	560	520	*520	540	560	3.7
Pacific:	3,970	4,010	*4,090	*4,220	4,450	5.5
California	6,440	6,600	6,700	6,900	7,200	4.3
Oregon	1,900	1,800	*1,900	2,000	2,100	5.0
Washington	2,020	2,000	*2,050	2,090	2,300	10.0
United States ²	2,170	2,110	*2,200	*2,390	2,650	10.9

- Represents zero. * Revised. ¹ Excludes American Indian Reservation Land. ² Excludes Alaska and Hawaii.

**Pennsylvania and Selected States: Average Value per Acre of Land,
Average Cash Rent Per Acre, 2012**

Region and state	Farm Real Estate ¹	Cropland ²		Pasture ²	
	Average value per acre (dollars)	Rent per acre (dollars)	Average value per acre (dollars)	Rent per acre (dollars)	Average value per acre (dollars)
Pennsylvania					
1970	373	15.30	--	8.30	--
1980	1,464	36.60	--	15.50	--
1990	1,929	43.30	--	23.50	--
2000	2,800	40.00	3,000	32.00	1,750
2007	4,970	55.00	5,330	30.00	2,900
2008	5,120	55.00	6,000	32.00	3,100
2009	5,100	55.00	5,700	32.00	2,600
2010	5,000	56.50	5,650	25.00	2,500
2011	5,000	58.50	5,550	29.00	2,600
2012	5,200	72.50	5,650	38.00	2,600
Northeast					
Delaware	8,100	89.50	7,800	89.50	13,500
Maryland	7,200	87.00	7,000	87.00	1,250
New Jersey	12,200	68.00	12,300	68.00	2,600
New York	2,650	47.00	2,600	47.00	5,780
Lake					
Michigan	4,250	108.00	4,000	25.00	2,500
Minnesota	4,050	151.00	4,050	24.50	1,500
Wisconsin	4,350	115.00	4,230	34.00	2,130
Corn Belt					
Illinois	6,700	212.00	6,800	35.00	3,100
Indiana	6,200	175.00	6,200	42.00	2,600
Iowa	7,000	235.00	7,300	46.00	3,000
Ohio	5,000	122.00	5,000	30.00	1,820
Northern Plains					
North Dakota	1,240	58.00	1,350	14.00	678
South Dakota	1,400	94.00	2,320	17.50	590
Non-irrigated	--	93.00	2,300	--	--
Appalachian					
Kentucky	3,050	130.00	3,450	25.00	2,450
North Carolina	4,470	70.50	4,000	26.00	4,400
Tennessee	3,700	91.00	3,430	20.00	3,580
Virginia	4,450	49.00	4,700	21.00	4,100
West Virginia	2,700	*	3,500	11.00	2,100
Southeast					
Alabama	2,000	52.00	2,300	19.00	1,550
South Carolina	2,900	37.50	2,520	16.00	2,850
Delta					
Louisiana	2,400	76.50	2,120	18.00	2,300
Irrigated	--	92.00	2,000	--	--
Mississippi	2,140	99.00	2,070	16.00	1,930
Irrigated	--	120.00	2,320	--	--
Southern Plains					
Oklahoma	1,480	32.50	1,390	11.50	1,150
Non-Irrigated	--	31.00	1,370	--	--
Texas	1,800	36.00	1,690	6.50	1,560
Irrigated	--	25.00	1,770	--	--
Pacific					
California	7,200	267.00	5,540	11.50	2,800
Irrigated	--	340.00	12,000	--	--
Oregon	2,100	130.00	2,510	21.00	620
Irrigated	--	195.00	4,200	--	--
Washington	2,300	215.00	2,230	9.00	810
Irrigated	--	330.00	6,300	--	--

* Insufficient number of reports to establish an estimate. ¹ Average value per acre of all land and buildings on farms. ² Average value per acre for cropland and pasture started in 1997.

Pennsylvania: Average Cash Rent Per Acre, By County, 2011-2012

County and district	Cropland				Pasture	
	Rent per acre non-irrigated		Rent per acre irrigated			
	2011 (dols. per acre)	2012 (dols. per acre)	2011 (dols. per acre)	2012 (dols. per acre)	2011 (dols. per acre)	2012 (dols. per acre)
Adams	52.00	65.00	*	*	*	38.50
Allegheny	24.00	22.50	*	*	*	*
Armstrong	17.50	*	*	*	*	*
Beaver	30.00	28.00	*	*	*	*
Bedford	48.00	56.00	*	*	*	27.50
Berks	69.00	97.50	*	*	*	*
Blair	100.00	105.00	*	*	*	*
Bradford	26.00	32.00	*	*	*	15.00
Bucks	44.50	44.50	*	*	*	*
Butler	26.00	27.50	*	*	18.00	16.00
Cambria	*	22.00	*	*	*	*
Centre	62.50	65.00	*	*	39.50	*
Chester	83.50	107.00	*	*	*	97.50
Clarion	*	29.00	*	*	*	*
Clinton	57.00	47.50	*	*	20.00	*
Columbia	52.50	59.00	*	*	*	*
Crawford	29.00	33.00	*	*	14.00	17.50
Cumberland	66.00	94.00	*	*	32.00	*
Dauphin	54.50	56.00	*	*	*	*
Erie	43.00	47.00	*	*	*	*
Fayette	24.50	24.50	*	*	*	*
Franklin	75.00	86.00	*	*	*	*
Fulton	34.00	34.00	*	*	20.00	*
Greene	19..00	19.00	*	*	*	*
Huntingdon	57.00	48.00	*	*	*	*
Indiana	31.00	30.50	*	*	26.00	23.00
Jefferson	*	*	*	*	12.00	11.50
Juniata	64.00	65.00	*	*	26.50	31.00
Lackawanna	*	*	*	*	*	*
Lancaster	131.00	196.00	*	*	*	*
Lawrence	33.00	43.00	*	*	20.50	*
Lebanon	110.00	161.00	*	*	65.00	65.00
Lehigh	67.00	71.00	*	*	*	*
Luzerne	*	*	*	*	*	*
Lycoming	42.00	41.50	*	*	23.00	21.50
McKean	27.50	26.00	*	*	*	*
Mercer	29.50	46.00	*	*	*	*
Mifflin	61.00	71.00	*	*	*	47.50
Montgomery	50.00	*	*	*	*	*
Montour	41.50	*	*	*	41.00	*
Northampton	59.50	61.50	*	*	*	*
Northumberland	77.00	64.50	*	*	41.00	40.50
Perry	47.00	47.50	*	*	45.50	*
Potter	25.00	23.50	*	*	*	*
Schuylkill	44.00	64.00	67.50	89.00	*	*
Snyder	57.00	53.50	*	*	44.50	44.00
Somerset	31.50	30.00	*	*	*	15.50
Susquehanna	*	17.00	*	*	10.00	10.50
Tioga	21.00	33.50	*	*	15.00	*
Union	62.00	69.50	*	*	*	*
Venango	*	*	*	*	*	*
Warren	*	*	*	*	*	*
Washington	13.00	16.00	*	*	11.00	11.00
Wayne	*	*	*	*	12.50	*
Westmoreland	35.50	26.50	*	*	24.50	24.50
Wyoming	25.00	29.50	*	*	*	*
York	86.50	98.50	*	106.00	*	47.00
Northwestern, Combined Counties	23.00	24.00	*	*	11.00	15.00
North Central, Combined Counties	14.50	18.00	122.00	*	17.50	19.50
Northeastern, Combined Counties	21.50	19.00	85.50	*	19.00	13.00
West Central, Combined Counties	15.00	16.50	*	*	17.50	23.50
Central, Combined Counties	21.50	39.00	*	*	38.00	42.00
East Central, Combined Counties	43.00	36.50	76.50	76.50	28.00	35.50
Southwestern, Combined Counties	*	*	*	*	12.00	10.50
South Central, Combined Counties	*	*	*	114.00	32.00	32.00
Southeastern, Combined Counties	*	50.50	*	*	43.50	57.00
Northwestern	29.00	35.50	*	*	11.50	15.50
North Central	31.50	35.00	122.00	*	17.50	17.50
Northeastern	22.00	20.00	85.50	*	12.50	12.50
West Central	23.00	26.00	*	*	19.00	18.50
Central	59.00	60.00	*	*	38.50	42.00
East Central	55.50	61.00	69.00	87.00	28.00	35.50
Southwestern	29.50	26.50	*	*	15.00	13.00
South Central	65.00	78.00	*	113.00	31.00	34.50
Southeastern	90.00	129.00	*	*	48.50	76.50
Combined counties/districts	*	*	112.00	131.00	*	*
Pennsylvania	58.00	72.00	101.00	115.00	29.00	38.00

* = insufficient data to publish

Crops



2011 Crop & Weather Summary: The average monthly temperature for the Harrisburg area for January was 26.3 degrees, which was 3.6 degrees below normal. There were 1.78 inches of precipitation in January. February temperatures were slightly warmer than usual, as the monthly average was 33.6 degrees. There was an average of 3.22 inches of precipitation. March had highly variable temperatures. The average monthly temperature was 40.8 degrees, which is 0.9 degrees less than normal. Average rainfall for the month was at 5.99 inches, which was mostly rainfall.

In April, the average temperature for the month was 54.5 degrees, which was 2.2 degrees above normal. The reported precipitation average for Harrisburg was 9.46 inches. Due to all of this rain, corn planting had not yet begun, and producers were only able to get 14 percent of the plowing finished by April's end. Temperatures during the month of May averaged 65.0 degrees, with an average of 5.34 inches of rainfall. This is 2.9 degrees above normal. Roughly 61 percent of corn acreage and 28 percent of the soybean acreage had been planted by the end of May. Producers were well into the first cutting of alfalfa hay and started timothy clover. June temperatures averaged was 72.8, which is 1.3 degrees above normal. An average of 5.17 inches of rain fell in the Harrisburg area during June. Transplanting tobacco was completed during June. Most producers finished planting their corn acreage during the month, while others were almost done with the harvest for barley. Some farmers were completing the first cutting of alfalfa; others already had a good start on the second cutting.

The temperature in July averaged 79.9 degrees, which is 4.0 degrees above the average. There was 3.78 inches of precipitation. Crop conditions continued to decline during the month of July due to the extremely hot temperatures. The barley harvest was completed, and nearly all of the wheat acreage was harvested during the month. The average corn stalk height was at 70 inches tall. The average August temperature was 74.1 degrees, which was 0.1 degrees above normal. The average precipitation for August was 8.65 inches. Tobacco harvest was advancing slower than the previous year and the 5 year average. Potatoes were behind the previous year and 5 year average. Peach and apple harvests continued steadily, but were also behind. Most producers were well on their way to completing their third cutting of alfalfa and second cutting of timothy clover. September was cooler than August, with an average temperature of 67.6 degrees, which is 1.7 above normal. September, however, had significantly more rain than August. The precipitation total for the month was 18.43 inches. Corn harvesting for silage and planting wheat were the main activities for the month. Operators were behind in these tasks as compared to historic trends. The tobacco and potato harvests remained behind at the end of the month, while the grape harvest was just beginning. October average temperatures were 53.9 degrees, which is 0.5 degrees less than normal. The precipitation total for the month was 4.15 inches.

Producers continued harvesting corn for grain, with 39 percent of the state's acreage harvested by month's end. The potato harvest was 92% complete by the end of the month, and the soybean harvest was 33 percent complete. November had an average temperature of 47.5 degrees, which was 3.4 degrees above normal. The precipitation total for the month was 4.50 inches. Producers continued to harvest corn and soybeans. Farmers also were preparing equipment for the next growing season and completing fall plowing. December had an average temperature of 39.0 degrees, which was 5.1 degrees above normal. The precipitation total for the month was 3.26 inches.

Small Grains: Production of winter wheat was 8,670,000 bushels, 2.0 percent less than 2010. There were 170,000 acres harvested in 2011, 20,000 acres more than in 2010. Yield was 51 bushels per acre in 2011, down 8 bushels per acre from 2010. There were 2,760,000 bushels of oats produced in 2011 down 41.5 percent from 2010. Harvested acreage was at 60,000 in 2011, down 20,000 acres from 2010. Yield was 46 bushels per acre in 2011, a decrease of 13 bushels per acre from 2010. Barley production for 2011 was 3,575,000 bushels, 5.9 percent more than 2010. Harvested acreage was at 55,000, up 10,000 acres from 2010. Average yield was 65 bushels per acre, down 10 bushels per acre from 2010.

Hay: Production of all dry hay in 2011 was 3,499,000 tons, up 99,000 tons from 2010. Total acres harvested were 1,450,000 in 2011, down 50,000 acres from 2010. Yield was 2.41 tons per acre, up 6.2 percent from 2010. Alfalfa hay production was 1,107,000 tons, down 14.8 percent from 2010's production. Alfalfa acreage harvested was 410,000, down 90,000 acres from 2010. Yield was 2.70 tons per acre, up 3.8 percent from 2010. Other hay production was 2,392,000 tons, up 13.9 percent from 2010. Other hay acreage harvested was 1,040,000, up 40,000 acres from 2010. Yield was at 2.30 tons per acre, up 9.5 percent from the previous year.

Row Crops: Corn for grain production was 106,560,000 bushels, down 8.5 percent from 2010. Harvested acres amounted to 960,000 acres, up 50,000 acres from 2010. Yield was 111 bushels per acre, down 17 bushels from 2010. Corn for silage production was 6,510,000 tons, down 9.6 percent from 2010. Acres harvested totaled 420,000 acres, up 20,000 acres from 2010. Yield was 15.5 tons per acre, down 2.5 ton per acre from 2010. Soybean production for 2011 was 21,560,000 bushels, up 3.7 percent from 2010. Harvested soybean acreage was at 490,000, down 5,000 acres from 2010. Yield was 44 bushels per acre, up 2 bushels from 2010. Potato production was at 2,028,000 cwt., down 8.0 percent from 2010. Acres harvested were down at 7,800 acres. Yield increased to 260 cwt per acre, up 15 cwt from 2010. Total production of tobacco was 20,655,000 pounds, up 3.5 percent from 2010. There were 9,700 acres harvested in 2011, up 1,200 acres from 2010. The all tobacco yield was 2,129 pounds per acre, down 220 pounds from 2010.

Pennsylvania: Acreage, Yield, Production and Value of Grains, 1970-2011

Crop and Year	Acres		Production		Season Average Price Per Unit	Value of Production ¹
	Planted	Harvested	Per Acre	Total		
	(1,000)	(1,000)	(bushels)	(1,000 bu.)	(\$/bu.)	(1,000 dols).
Winter Wheat						
1970	286	275	33.0	9,075	1.42	12,887
1980	260	250	37.0	9,250	4.10	37,925
1990	215	210	50.0	10,500	2.83	29,715
2000	200	195	53.0	10,335	2.19	22,634
2007	170	155	58.0	8,990	6.60	59,334
2008	195	185	64.0	11,840	5.42	64,173
2009	190	175	56.0	9,800	4.10	40,180
2010	165	150	59.0	8,850	5.00	44,250
2011	185	170	51.0	8,670	6.20	53,754
Oats						
1970	420	395	57.0	22,515	0.78	17,562
1980	360	340	56.0	19,040	2.13	40,555
1990	270	240	66.0	15,840	1.43	22,651
2000	175	145	57.0	8,265	1.45	11,984
2007	115	80	56.0	4,480	3.20	14,336
2008	105	80	58.0	4,640	3.23	14,987
2009	110	80	61.0	4,880	2.74	13,371
2010	110	80	59.0	4,720	3.14	14,821
2011	90	60	46.0	2,760	4.10	11,316
Barley						
1970	180	172	50.0	8,600	0.96	8,256
1980	80	75	50.0	3,750	2.89	10,838
1990	65	60	69.0	4,140	2.11	8,735
2000	80	75	71.0	5,325	1.51	8,041
2007	55	42	73.0	3,066	2.90	8,891
2008	60	55	75.0	4,125	4.50	18,563
2009	60	45	75.0	3,375	2.82	9,518
2010	60	45	75.0	3,375	3.46	11,678
2011	65	55	65.0	3,575	4.65	16,624
Soybeans						
1970	30	28	32.0	896	2.90	2,598
1980	135	130	24.5	3,185	7.60	24,206
1990	280	275	41.0	11,275	5.70	64,268
2000	390	385	43.0	16,555	4.37	72,345
2007	435	430	41.0	17,630	10.70	188,641
2008	435	430	40.0	17,200	10.20	175,440
2009	450	445	46.0	20,470	9.40	192,418
2010	500	495	42.0	20,790	12.10	251,559
2011	500	490	44.0	21,560	12.00	258,720
Corn for Grain						
1970	1,260	914	89.0	81,346	1.51	122,832
1980	1,800	1,280	75.0	96,000	3.62	347,520
1990	1,380	970	113.0	109,610	2.62	287,178
2000	1,550	1,080	127.0	137,160	2.09	286,664
2007	1,430	980	124.0	121,520	4.56	554,131
2008	1,350	880	133.0	117,040	4.16	486,886
2009	1,350	920	143.0	131,560	3.84	505,190
2010	1,350	910	128.0	116,480	6.12	712,858
2011	1,420	960	111.0	106,560	7.10	756,576
Corn for Silage			(tons)	(1,000 tons)	(\$/ton)	
1970	-	318	15.5	4,929	10.50	51,755
1980	-	498	12.6	6,275	22.50	141,188
1990	-	390	16.0	6,240	23.40	146,016
2000	-	460	17.0	7,820	23.50	183,770
2007	-	430	16.5	7,095	33.00	234,135
2008	-	450	18.5	8,325	38.50	320,513
2009	-	420	19.5	8,190	33.50	274,365
2010	-	400	18.0	7,200	41.00	295,200
2011	-	420	15.5	6,510	58.00	377,580

¹ Value of production based on final State marketing year average price for years prior to 2011; for 2011, based on preliminary State marketing year average price released in the February **Crop Values** report published by USDA, NASS.

Pennsylvania: Acreage, Yield, Production and Value of Hay and Haylage, 1970-2011

Crop and year	Acres		Production		Season average price per unit	Value of production ¹
	Planted	Harvested	Per acre	Total		
	(1,000)	(1,000)	(tons)	(1,000 tons)	(dol. per ton)	(1,000 dols.)
Dry Baled Hay						
Alfalfa Hay, Dry:						
1970	-	800	2.80	2,240	-	-
1980	-	840	2.60	2,184	-	-
1990	-	810	3.00	2,430	112.00	272,160
2000	-	650	3.10	2,015	124.00	249,860
2007	-	600	3.00	1,800	191.00	343,800
2008	-	550	3.00	1,650	198.00	326,700
2009	-	500	2.90	1,450	153.00	221,850
2010	-	500	2.60	1,300	147.00	191,100
2011	-	410	2.70	1,107	191.00	211,440
Other Hay, Dry:						
1970	-	1,269	1.79	2,271	-	-
1980	-	1,110	1.80	1,998	-	-
1990	-	1,090	2.10	2,289	83.00	189,987
2000	-	1,150	2.10	2,415	100.00	241,500
2007	-	1,200	2.00	2,400	172.00	412,800
2008	-	1,200	1.80	2,160	162.00	349,920
2009	-	1,050	2.10	2,205	124.00	273,420
2010	-	1,000	2.10	2,100	113.00	237,300
2011	-	1,040	2.30	2,392	134.00	320,530
All Hay, Dry:						
1970	-	2,069	2.18	4,511	30.00	135,330
1980	-	1,950	2.14	4,182	75.00	313,650
1990	-	1,900	2.48	4,719	98.50	462,147
2000	-	1,800	2.46	4,430	109.00	491,360
2007	-	1,800	2.33	4,200	175.00	756,600
2008	-	1,750	2.18	3,810	173.00	676,620
2009	-	1,550	2.36	3,655	131.00	495,270
2010	-	1,500	2.27	3,400	120.00	428,400
2011	-	1,450	2.41	3,499	144.00	531,970
Haylage & Greenchop ³						
Alfalfa Haylage & Greenchop:						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	430	6.80	2,924	-	-
2007	-	310	6.30	1,953	-	-
2008	-	270	7.40	1,998	-	-
2009	-	325	7.70	2,503	-	-
2010	-	285	5.60	1,596	-	-
2011	-	260	5.60	1,456	-	-
All Haylage & Greenchop:						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	620	6.25	3,874	36.60	141,788
2007	-	450	5.65	2,541	41.80	106,214
2008	-	370	6.58	2,438	47.90	116,780
2009	-	450	6.98	3,141	52.10	163,646
2010	-	405	5.21	2,112	39.25	82,896
2011	-	390	5.10	1,989	70.20	139,628
Hay Forage ²						
Alfalfa Hay Forage:						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	830	4.17	3,460	-	-
2007	-	745	3.71	2,765	-	-
2008	-	665	3.97	2,638	-	-
2009	-	685	3.92	2,687	-	-
2010	-	650	3.21	2,089	-	-
2011	-	560	3.26	1,827	-	-
All Hay Forage: ⁴						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	2,000	3.17	6,345	100.49	633,148
2007	-	2,045	2.67	5,456	158.14	862,814
2008	-	1,915	2.62	5,015	158.21	793,400
2009	-	1,800	2.89	5,207	126.54	658,916
2010	-	1,700	2.61	4,444	115.05	511,296
2011	-	1,690	2.65	4,482	149.84	671,598

¹ Value of production based on final State marketing year average price. ² Forage production includes all forms of harvested hay on a dry equivalent basis. Several assumptions are made to convert haylage and greenchop to a dry equivalent. Haylage production is based on haylage weight at harvest and then converted to dry equivalent production. ³ Figures include only hay that was harvested as haylage or greenchop. Dry baled hay is not included. ⁴ All Forage is the sum of the following dry equivalents: a) alfalfa hay harvested as **dry hay**, b) all other hay harvested as **dry hay**, c) alfalfa haylage and greenchop, d) all other hay, haylage, and greenchop.

Pennsylvania: New Seedings of Alfalfa and Alfalfa Mixtures, 1970-2011

Year	Area seeded	Year	Area seeded
	(1,000 acres)		(1,000 acres)
-	-	2007	100
1970	-	2008	110
1980	-	2009	100
1990	-	2010	95
2000	130	2011	70

Pennsylvania: Tillage Practices by Crop, 2012

Crop	Total acres planted	No-Till ¹		Other conservation tillage ²		Conventional till ³	
		Acres	% of total ⁴	Acres	% of total ⁴	Acres	% of total ⁴
Corn	1,460,000	820,000	56.2	349,000	23.9	291,000	19.9
Soybeans	530,000	390,000	73.6	95,000	17.9	45,000	8.5
Barley	75,000	51,000	68.0	14,000	18.7	10,000	13.3
Winter Wheat ⁵	165,000	111,000	67.3	32,000	19.4	22,000	13.3
Oats	100,000	23,000	23.0	34,000	34.0	43,000	43.0
Total ⁶	2,306,000	1,380,000	59.8	520,000	22.5	406,000	17.6
Alfalfa Seedings ^{7/8}			32.6		15.8		52.6

¹ No-Till – A procedure whereby a crop is planted directly into a seedbed not tilled since harvest of a previous crop, or the planting of a crop into sod, previous crop stubble, or a cover where only the intermediate seed zone is disturbed. ² Other Conservation Tillage – Tillage practices prior to planting which result in a minimum of 30 percent ground cover or residue being retained on the surface following planting. Grass and weed control is accomplished primarily with herbicides. Includes ridge till, strip till, and mulch till. ³ Conventional Till – Systems where 100 percent of the surface is mixed or inverted by plowing, power tilling, or multiple disking. ⁴ Sum of no-till, other conservation tillage and conventional till percents of total may not add to 100 percent due to rounding. ⁵ Wheat seeded the previous fall for all intended purposes including grain, cover, silage, hay or any other utilization. ⁶ Total excludes alfalfa seedings. ⁷ New alfalfa seeded or to be seeded during 2012. ⁸ Alfalfa seeded acres will be available in January 2013.

Pennsylvania: Tillage Practices by Crop, 2011

Crop	Total acres planted	No-Till ¹		Other conservation tillage ²		Conventional till ³	
		Acres	% of total ⁴	Acres	% of total ⁴	Acres	% of total ⁴
Corn	1,400,000	880,000	62.9	270,000	19.3	250,000	17.9
Soybeans	480,000	335,000	69.8	95,000	19.8	50,000	10.4
Barley	62,000	42,000	67.7	12,000	19.4	8,000	12.9
Winter Wheat ⁵	195,000	125,000	64.1	40,000	20.5	30,000	15.4
Oats	80,000	25,000	31.3	20,000	25.0	35,000	43.8
Total ⁶	2,217,000	1,407,000	63.5	437,000	19.7	373,000	16.8
Alfalfa Seedings ⁷	70,000	30,000	42.9	15,000	21.4	25,000	35.7
Grand Total ⁸	2,287,000	1,437,000	62.8	452,000	19.8	398,000	17.4

¹ No-Till – A procedure whereby a crop is planted directly into a seedbed not tilled since harvest of a previous crop, or the planting of a crop into sod, previous crop stubble, or a cover where only the intermediate seed zone is disturbed. ² Other Conservation Tillage – Tillage practices prior to planting which result in a minimum of 30 percent ground cover or residue being retained on the surface following planting. Grass and weed control is accomplished primarily with herbicides. Includes ridge till, strip till, and mulch till. ³ Conventional Till – Systems where 100 percent of the surface is mixed or inverted by plowing, power tilling, or multiple disking. ⁴ Sum of no-till, other conservation tillage and conventional till percents of total may not add to 100 percent due to rounding. ⁵ Wheat seeded the previous fall for all intended purposes including grain, cover, silage, hay or any other utilization. ⁶ Total excludes alfalfa seedings. ⁷ New alfalfa seeded or to be seeded during 2011. ⁸ Includes alfalfa seedings published January 12, 2012.

Pennsylvania: Grain and Hay Stocks By Positions, Quarterly, 2009-2011

Crop, Quarter	2009			2010			2011		
	Farm stocks	Off-farm stocks ¹	Total stocks	Farm stocks	Off-farm stocks ¹	Total stocks	Farm stocks	Off-farm stocks ¹	Total stocks
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)	1,000 bushels	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Corn									
March 1	44,000	7,885	51,885	51,000	9,611	60,611	37,000	6,823	43,823
June 1	31,000	5,842	36,842	31,000	7,255	38,255	17,000	5,485	22,485
September 1	14,000	2,658	16,658	12,500	2,731	15,231	8,000	2,961	10,961
December 1	76,000	9,878	85,878	67,000	8,843	75,843	69,000	10,080	79,080
Oats									
March 1	2,000	375	2,375	2,000	301	2,301	2,300	371	2,671
June 1	1,200	410	1,610	1,100	234	1,334	800	399	1,199
September 1	2,700	707	3,407	3,500	672	4,172	1,700	359	2,059
December 1	2,600	624	3,224	2,700	589	3,289	1,600	355	1,955
All Wheat									
March 1	*	7,789	*	*	7,254	*	*	5,359	*
June 1	*	7,389	*	*	6,508	*	*	2,253	*
September 1	*	8,445	*	*	7,275	*	*	6,705	*
December 1	*	7,570	*	*	6,444	*	*	7,139	*
Barley									
March 1	*	495	*	*	461	*	*	284	*
June 1	*	327	*	*	308	*	*	312	*
September 1	*	864	*	*	579	*	*	628	*
December 1	*	703	*	*	529	*	*	649	*
Soybeans									
March 1	*	3,346	*	*	3,210	*	*	3,087	*
June 1	*	2,453	*	*	1,930	*	*	2,814	*
September 1	*	996	*	*	1,330	*	*	2,071	*
December 1	*	3,730	*	*	4,020	*	*	4,265	*
	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
All Dry Hay									
May 1	700	-	700	680	-	680	340	-	340
December 1	2,400	-	2,400	1,950	-	1,950	1,950	-	1,950

¹ Includes stocks at mills, elevators, warehouses, terminals, processors and CCC-owned grain at bin sites.

* Separate estimates for Pennsylvania not available.

Pennsylvania: Barley - Acreage, Yield, Production and Value, 2011¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 48 lbs.)	(bushels, 48 lbs.)	(dollars)
Adams	3,200	2,000	71.0	142,000	660,300
Armstrong	500	500	55.6	27,800	129,270
Blair	1,300	1,100	70.9	78,000	362,700
Chester	2,400	2,000	77.5	155,000	720,750
Cumberland	4,400	4,200	56.7	238,000	1,106,700
Dauphin	2,100	2,000	65.0	130,000	604,500
Franklin	9,200	7,500	69.9	524,000	2,436,600
Huntingdon	900	600	62.2	37,300	173,445
Juniata	1,300	1,100	46.0	50,600	235,290
Lancaster	8,600	7,000	73.1	512,000	2,380,800
Lebanon	3,200	2,600	81.2	211,000	981,150
Mifflin	1,000	910	42.1	38,300	178,095
Northumberland	2,600	2,400	56.7	136,000	632,400
Perry	2,200	2,000	57.0	114,000	530,100
Schuylkill	1,200	1,100	59.2	65,100	302,715
Snyder	800	600	57.7	34,600	160,890
York	5,000	4,400	74.1	326,000	1,516,150
North Central, Combined Counties	700	500	40.0	20,000	93,000
West Central, Combined Counties	1,400	1,300	47.1	61,200	284,580
Central, Combined Counties	1,800	1,590	51.7	82,200	382,230
East Central, Combined Counties	900	900	69.9	62,900	292,485
South Central, Combined Counties	2,700	2,200	56.8	125,000	581,250
Southeastern, Combined Counties	5,300	4,600	69.1	318,000	1,478,700
North Central	700	500	40.0	20,000	93,000
West Central	1,900	1,800	49.4	89,000	413,850
Central	14,000	12,300	57.0	701,000	3,259,650
East Central	2,100	2,000	64.0	128,000	595,200
South Central	24,500	20,300	66.7	1,355,000	6,301,000
Southeastern	19,500	16,200	73.8	1,196,000	5,561,400
Combined Districts	2,300	1,900	45.3	86,000	399,900
Pennsylvania	65,000	55,000	65.0	3,575,000	16,624,000

¹ Counties not shown separately included in 'Combined Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on preliminary State marketing year average price published by USDA, NASS.

Pennsylvania: Barley - Acreage, Yield, Production and Value, 2010, Revised ¹

County & District	Planted (acres)	Harvested (acres)	Yield per acre (bushels, 48 lbs.)	Production (bushels, 48 lbs.)	Value of production ² (dollars)
Adams	2,400	1,500	84.7	127,000	439,420
Armstrong	800	500	56.4	28,200	99,572
Bedford	1,100	500	76.0	38,000	131,480
Blair	1,400	600	80.8	48,500	167,810
Butler	600	500	59.8	29,900	103,454
Chester	2,200	1,600	81.9	131,000	453,260
Cumberland	3,700	3,000	74.3	223,000	771,580
Dauphin	1,600	1,200	83.0	99,600	344,616
Franklin	7,000	5,500	80.5	443,000	1,532,780
Fulton	2,100	1,700	68.2	116,000	401,360
Huntingdon	600	500	75.0	37,500	129,750
Juniata	900	700	71.4	50,000	173,000
Lancaster	7,700	5,400	78.1	422,000	1,460,120
Lebanon	3,400	2,500	86.8	217,000	750,820
Northumberland	1,500	1,300	65.8	85,500	295,830
Perry	2,000	1,400	80.0	112,000	387,520
Schuylkill	800	700	71.9	50,300	174,038
Snyder	700	700	70.0	49,000	169,540
Somerset	800	700	50.4	35,300	122,138
Union	800	700	67.3	47,100	162,966
York	5,500	4,400	77.7	342,000	1,183,820
Northwestern, Combined Counties	1,200	700	65.7	46,000	159,160
West Central, Combined Counties	1,300	1,100	52.6	57,900	200,334
Central, Combined Counties	1,700	1,600	61.1	97,800	338,388
East Central, Combined Counties	900	800	82.1	65,700	227,322
Southwestern, Combined Counties	800	700	51.0	35,700	123,522
Southeastern, Combined Counties	5,600	4,000	78.0	312,000	1,079,520
Northwestern	1,200	700	65.7	46,000	159,160
West Central	2,700	2,100	55.2	116,000	401,360
Central	11,200	8,700	72.1	627,000	2,169,420
East Central	1,700	1,500	77.3	116,000	401,360
Southwestern	1,600	1,400	50.7	71,000	245,660
South Central	21,800	16,600	77.7	1,289,000	4,460,440
Southeastern	18,900	13,500	80.1	1,082,000	3,743,720
Combined Districts	900	500	56.0	28,000	96,880
Pennsylvania	60,000	45,000	75.0	3,375,000	11,678,000

¹ Counties not shown separately included in 'Combined Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on final State marketing year average price published by USDA, NASS.

Pennsylvania: Corn for Grain - Acreage, Yield, Production and Value, 2011 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 56 lbs.)	(bushels, 56 lbs.)	(dollars)
Adams	36,000	28,400	94.6	2,686,000	19,070,600
Armstrong	18,000	14,000	96.8	1,355,000	9,620,500
Beaver	7,000	5,500	115.6	636,000	4,515,600
Bedford	34,000	18,300	104.0	1,904,000	13,518,400
Berks	72,000	47,000	92.8	4,361,000	30,963,100
Blair	25,000	8,500	85.2	724,000	5,140,400
Bucks	16,000	14,000	106.7	1,494,000	10,607,400
Butler	20,000	17,000	111.6	1,898,000	13,475,800
Cambria	14,000	10,000	92.8	928,000	6,588,800
Centre	31,000	19,800	92.7	1,836,000	13,035,600
Chester	37,000	24,000	136.2	3,268,000	23,202,800
Clarion	12,000	9,800	137.8	1,350,000	9,585,000
Clearfield	7,000	4,800	83.1	399,000	2,832,900
Clinton	11,000	6,400	95.3	610,000	4,331,000
Columbia	21,000	19,500	92.7	1,808,000	12,836,800
Crawford	48,000	38,200	127.5	4,869,000	34,569,900
Cumberland	49,000	27,000	111.6	3,014,000	21,399,400
Dauphin	26,000	20,500	109.9	2,253,000	15,996,300
Elk	1,600	700	96.4	67,500	479,250
Erie	27,000	22,500	121.5	2,733,000	19,404,300
Fayette	12,800	10,000	119.6	1,196,000	8,491,600
Forest	700	500	140.0	70,000	497,000
Franklin	71,000	20,500	79.2	1,624,000	11,530,400
Fulton	12,000	5,400	71.1	384,000	2,726,400
Greene	1,500	1,000	134.0	134,000	951,400
Huntingdon	26,000	12,000	72.8	874,000	6,205,400
Indiana	28,000	22,700	108.1	2,453,000	17,416,300
Jefferson	10,000	8,700	86.2	750,000	5,325,000
Juniata	23,000	12,300	89.9	1,106,000	7,852,600
Lancaster	122,000	74,000	142.2	10,524,000	74,720,400
Lawrence	21,000	17,300	131.1	2,268,000	16,102,800
Lebanon	44,600	26,500	125.2	3,319,000	23,564,900
Lehigh	30,600	29,300	87.6	2,566,000	18,218,600
Luzerne	10,000	8,400	102.6	862,000	6,120,200
Lycoming	28,000	24,000	99.0	2,376,000	16,869,600
McKean	1,400	400	82.5	33,000	234,300
Mercer	39,100	34,800	142.4	4,956,000	35,187,600
Mifflin	21,000	11,700	104.5	1,223,000	8,683,300
Monroe	4,000	3,800	102.4	389,000	2,761,900
Montour	8,000	7,000	100.9	706,000	5,012,600
Northampton	27,400	25,900	131.4	3,402,000	24,154,200
Northumberland	38,000	32,200	115.8	3,729,000	26,475,900
Perry	26,000	16,200	114.2	1,850,000	13,135,000
Schuylkill	27,500	23,300	78.0	1,818,000	12,907,800
Snyder	22,000	15,500	106.8	1,655,000	11,750,500
Somerset	28,500	16,300	124.0	2,021,000	14,349,100
Sullivan	3,300	1,700	91.2	155,000	1,100,500
Tioga	17,500	7,200	108.3	780,000	5,538,000
Union	23,000	14,000	127.9	1,790,000	12,709,000
Venango	9,600	8,400	108.8	914,000	6,489,400
Warren	5,600	3,600	93.9	338,000	2,399,800
Westmoreland	20,000	14,700	117.9	1,733,000	12,304,300
York	75,000	64,400	111.0	7,148,000	50,750,800
North Central, Combined Counties	36,200	9,600	113.7	1,091,500	7,749,650
Northeastern, Combined Counties	16,000	8,000	99.4	795,000	5,644,500
East Central, Combined Counties	4,500	4,300	111.4	479,000	3,400,900
Southwestern, Combined Counties	6,200	4,000	111.3	445,000	3,159,500
Southeastern, Combined Counties	6,400	4,500	91.1	410,000	2,911,000
Northwestern	130,000	108,000	128.5	13,880,000	98,548,000
North Central	99,000	50,000	102.3	5,113,000	36,302,300
Northeastern	16,000	8,000	99.4	795,000	5,644,500
West Central	116,000	95,000	112.7	10,710,000	76,041,000
Central	311,000	204,000	102.4	20,881,000	148,255,100
East Central	104,000	95,000	100.2	9,516,000	67,563,600
Southwestern	69,000	46,000	120.2	5,529,000	39,255,900
South Central	277,000	164,000	102.2	16,760,000	118,996,000
Southeastern	298,000	190,000	123.0	23,376,000	165,969,600
Pennsylvania	1,420,000	960,000	111.0	106,560,000	756,576,000

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Pennsylvania: Corn for Grain - Acreage, Yield, Production and Value, 2010, Revised ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 56 lbs.)	(bushels, 56 lbs.)	(dollars)
Adams	32,000	18,000	86.8	1,563,000	9,565,560
Allegheny	1,000	600	90.8	54,500	333,540
Armstrong	15,000	12,400	132.7	1,645,000	10,067,400
Beaver	5,000	4,100	120.2	493,000	3,017,160
Bedford	31,000	18,000	123.7	2,227,000	13,629,240
Blair	27,000	13,200	147.6	1,948,000	11,921,760
Bradford	27,000	10,500	128.2	1,346,000	8,237,520
Bucks	18,000	14,500	94.6	1,371,000	8,390,520
Butler	21,000	18,000	131.1	2,360,000	14,443,200
Cambria	12,000	8,500	131.8	1,120,000	6,854,400
Centre	30,000	21,600	132.5	2,863,000	17,521,560
Chester	43,000	29,500	160.8	4,743,000	29,027,160
Clarion	10,000	8,300	144.0	1,195,000	7,313,400
Clearfield	5,000	3,500	118.3	414,000	2,533,680
Clinton	10,000	6,500	116.8	759,000	4,645,080
Columbia	22,000	19,400	132.1	2,562,000	15,679,440
Crawford	35,000	25,600	137.9	3,529,000	21,597,480
Cumberland	38,000	24,000	121.3	2,910,000	17,809,200
Dauphin	22,000	18,000	112.0	2,016,000	12,337,920
Elk	1,000	500	156.0	78,000	477,360
Erie	22,000	18,500	137.1	2,536,000	15,520,320
Fayette	9,000	7,200	111.5	803,000	4,914,360
Forest	500	400	122.5	49,000	299,880
Franklin	70,000	22,000	77.7	1,710,000	10,465,200
Fulton	10,000	3,000	71.7	215,000	1,315,800
Greene	1,000	600	117.5	70,500	431,460
Huntingdon	21,000	10,000	110.3	1,103,000	6,750,360
Indiana	22,000	17,200	132.1	2,272,000	13,904,640
Jefferson	8,000	6,300	124.9	787,000	4,816,440
Juniata	19,000	12,900	109.5	1,413,000	8,647,560
Lackawanna	1,500	500	128.8	64,400	394,128
Lancaster	157,000	92,500	158.9	14,702,000	89,976,240
Lawrence	17,000	13,700	134.4	1,841,000	11,266,920
Lebanon	42,000	24,000	148.9	3,573,000	21,866,760
Lehigh	25,000	23,300	120.9	2,817,000	17,240,040
Luzerne	9,500	8,000	116.3	930,000	5,691,600
Lycoming	26,900	21,000	121.8	2,557,000	15,648,840
Mercer	38,000	32,000	146.2	4,677,000	28,623,240
Mifflin	20,000	12,900	124.4	1,605,000	9,822,600
Montour	8,000	6,000	123.8	743,000	4,547,160
Northampton	30,000	27,600	127.4	3,515,000	21,511,800
Northumberland	39,000	32,700	118.7	3,880,000	23,745,600
Perry	22,000	13,500	110.9	1,497,000	9,161,640
Potter	4,600	1,800	133.3	240,000	1,468,800
Schuylkill	24,000	20,000	118.2	2,363,000	14,461,560
Snyder	22,000	16,700	102.9	1,718,000	10,514,160
Somerset	26,000	13,500	123.0	1,660,000	10,159,200
Sullivan	2,900	1,100	122.2	134,400	822,528
Tioga	12,600	5,300	119.6	634,000	3,880,080
Union	17,000	11,100	117.7	1,306,000	7,992,720
Venango	7,000	5,000	133.0	665,000	4,069,800
Warren	4,500	1,500	134.7	202,000	1,236,240
Washington	6,000	3,100	92.9	288,000	1,762,560
Wayne	2,000	300	125.3	37,600	230,112
Westmoreland	20,000	15,000	112.8	1,692,000	10,355,040
York	84,000	75,000	129.3	9,697,000	59,345,640
North Central, Combined Counties	1,000	300	135.3	40,600	248,472
Northeastern, Combined Counties	11,500	4,200	120.5	506,000	3,096,720
East Central, Combined Counties	6,500	5,100	117.8	610,000	3,733,200
Southeastern, Combined Counties	75,000	50,500	121.6	6,139,000	37,570,680
Northwestern	107,000	83,000	140.5	11,658,000	71,346,960
North Central	86,000	47,000	123.2	5,789,000	35,428,680
Northeastern	15,000	5,000	121.6	608,000	3,720,960
West Central	98,000	80,000	132.4	10,593,000	64,829,160
Central	286,000	200,000	120.9	24,188,000	148,030,560
East Central	95,000	84,000	121.7	10,226,000	62,583,120
Southwestern	63,000	40,000	114.2	4,568,000	27,956,160
South Central	265,000	160,000	114.5	18,322,000	112,130,640
Southeastern	335,000	211,000	144.7	30,528,000	186,831,360
Pennsylvania	1,350,000	910,000	128.0	116,480,000	712,857,600

¹ Counties not shown separately included in "Combined Counties" for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on final State marketing year average price published by USDA, NASS.

Pennsylvania: Corn for Silage - Acreage, Yield, Production and Value, 2011 and 2010 ^{1 2}

County & District	2011				2010			
	Harvested for Silage	Yield Per Acre	Production	Value of Production	Harvested for Silage	Yield Per Acre	Production	Value of Production
	(acres)	(tons)	(tons)	(dollars)	(acres)	(tons)	(tons)	(dollars)
Adams	6,900	13.0	91,000	5,278,000	10,200	12.5	126,000	5,166,000
Allegheny	300	16.5	4,900	284,200	300	14.5	4,400	180,400
Armstrong	3,400	12.5	42,900	2,488,200	2,200	18.5	40,300	1,652,300
Beaver	2/	2/	2/	2/	800	16.5	13,000	533,000
Bedford	15,000	14.0	207,000	12,006,000	12,000	18.0	217,000	8,897,000
Berks	23,500	13.0	303,000	17,574,000	20,100	19.0	381,000	15,621,000
Blair	15,500	12.5	191,000	11,078,000	13,300	20.0	265,000	10,865,000
Bradford	16,500	14.0	227,000	13,166,000	16,100	14.0	225,000	9,225,000
Bucks	1,800	16.0	29,000	1,682,000	2/	2/	2/	2/
Cambria	3,100	11.0	33,700	1,954,600	3,400	18.5	63,000	2,583,000
Centre	10,100	14.5	147,000	8,526,000	8,200	19.0	155,000	6,355,000
Chester	12,400	19.0	235,000	13,630,000	12,000	23.0	277,000	11,357,000
Clarion	1,900	16.0	30,200	1,751,600	1,600	20.5	32,400	1,328,400
Clearfield	2,000	11.5	23,200	1,345,600	1,300	17.5	22,500	922,500
Clinton	4,000	15.5	62,000	3,596,000	3,400	18.5	63,000	2,583,000
Columbia	2/	2/	2/	2/	1,900	14.5	28,000	1,148,000
Crawford	2/	2/	2/	2/	8,800	20.0	174,000	7,134,000
Cumberland	21,000	15.5	328,000	19,024,000	12,500	20.0	252,000	10,332,000
Dauphin	5,200	17.0	89,000	5,162,000	3,500	15.5	55,000	2,255,000
Elk	800	9.0	7,200	417,600	2/	2/	2/	2/
Erie	2/	2/	2/	2/	2,800	17.0	47,400	1,943,400
Fayette	2,600	17.5	46,000	2,668,000	1,600	16.5	26,700	1,094,700
Franklin	47,700	11.5	545,000	31,610,000	44,000	13.0	567,000	23,247,000
Fulton	2/	2/	2/	2/	5,900	11.5	67,000	2,747,000
Greene	400	14.0	5,600	324,800	300	16.5	4,900	200,900
Huntingdon	13,100	12.0	155,000	8,990,000	10,000	14.5	145,000	5,945,000
Indiana	5,000	15.5	78,000	4,524,000	2/	2/	2/	2/
Jefferson	2/	2/	2/	2/	1,300	14.0	18,300	750,300
Juniata	10,500	14.0	149,000	8,642,000	5,700	15.0	86,000	3,526,000
Lackawanna	2/	2/	2/	2/	1,000	15.5	15,400	631,400
Lancaster	47,000	22.0	1,037,000	60,146,000	62,300	23.5	1,471,000	60,311,000
Lawrence	3,500	19.0	67,000	3,886,000	3,000	21.5	64,000	2,624,000
Lebanon	17,700	18.0	322,000	18,676,000	17,600	20.5	358,000	14,678,000
Lehigh	1,300	13.5	17,400	1,009,200	2/	2/	2/	2/
Luzerne	1,000	15.5	15,600	904,800	2/	2/	2/	2/
Lycoming	3,500	14.5	51,000	2,958,000	3,800	19.0	73,000	2,993,000
McKean	2/	2/	2/	2/	600	17.0	10,100	414,100
Mifflin	8,800	15.0	130,000	7,540,000	6,700	16.5	111,000	4,551,000
Montgomery	600	15.0	9,000	522,000	2/	2/	2/	2/
Montour	1,000	13.0	13,100	759,800	1,700	16.0	27,500	1,127,500
Northampton	2/	2/	2/	2/	1,900	14.0	26,300	1,078,300
Northumberland	5,500	20.0	109,000	6,322,000	5,500	16.0	89,000	3,649,000
Perry	9,500	15.5	149,000	8,642,000	8,300	16.5	135,000	5,535,000
Potter	4,200	14.0	58,000	3,364,000	2,800	18.5	52,000	2,132,000
Schuylkill	3,700	11.5	42,000	2,436,000	3,700	17.0	62,000	2,542,000
Snyder	2/	2/	2/	2/	4,900	14.5	70,000	2,870,000
Somerset	11,900	15.0	179,000	10,382,000	11,600	16.0	184,000	7,544,000
Sullivan	1,400	16.0	22,700	1,316,600	1,600	21.0	33,800	1,385,800
Susquehanna	2/	2/	2/	2/	4,900	16.0	79,000	3,239,000
Tioga	9,500	11.5	111,000	6,438,000	7,100	16.5	118,000	4,838,000
Union	7,900	19.5	154,000	8,932,000	5,600	16.5	92,000	3,772,000
Venango	900	20.5	18,300	1,061,400	2/	2/	2/	2/
Warren	2,000	18.0	36,200	2,099,600	2,800	20.0	56,000	2,296,000
Washington	1,500	17.0	25,500	1,479,000	2,700	15.0	40,000	1,640,000
Wayne	1,100	13.5	14,900	864,200	2/	2/	2/	2/
Westmoreland	4,300	18.0	77,000	4,466,000	4,000	17.5	70,000	2,870,000
Wyoming	1,200	14.0	16,700	968,600	2/	2/	2/	2/
York	2/	2/	2/	2/	7,400	20.5	150,000	6,150,000
Northwestern, Combined Counties	16,100	19.5	315,500	18,299,000	7,600	20.0	150,600	6,174,600
North Central, Combined Counties	1,100	14.5	16,100	933,800	600	13.5	8,100	332,100
Northeastern, Combined Counties	4,700	15.0	71,400	4,141,200	3,600	16.5	58,600	2,402,600
West Central, Combined Counties	5,200	13.5	68,900	3,996,200	7,100	20.5	146,000	5,986,000
Central, Combined Counties	6,800	13.5	91,000	5,278,000	3/	3/	3/	3/
East Central, Combined Counties	1,000	12.0	12,000	696,000	3,400	14.5	48,700	1,996,700
Southwestern, Combined Counties	3/	3/	3/	3/	3/	3/	3/	3/
South Central, Combined Counties	13,400	17.0	230,000	13,340,000	3/	3/	3/	3/
Southeastern, Combined Counties	3/	3/	3/	3/	3,000	15.0	45,000	1,845,000
Northwestern	19,000	19.5	370,000	21,460,000	22,000	19.5	428,000	17,548,000
North Central	41,000	13.5	555,000	32,190,000	36,000	16.0	583,000	23,903,000
Northeastern	7,000	14.5	103,000	5,974,000	9,500	16.0	153,000	6,273,000
West Central	19,000	15.0	287,000	16,646,000	16,000	19.5	314,000	12,874,000
Central	99,000	14.5	1,434,000	83,172,000	80,000	17.0	1,344,000	55,104,000
East Central	7,000	12.5	87,000	5,046,000	9,000	15.0	137,000	5,617,000
Southwestern	21,000	16.0	338,000	19,604,000	20,500	16.0	330,000	13,530,000
South Central	104,000	13.5	1,401,000	81,258,000	92,000	15.0	1,379,000	56,539,000
Southeastern	103,000	19.0	1,935,000	112,230,000	115,000	22.0	2,532,000	103,812,000
Pennsylvania	420,000	15.5	6,510,000	377,580,000	400,000	18.0	7,200,000	295,200,000

¹ The district map and county listing can be found on the inside back cover of this publication. ² Missing data included in Combined Counties. ³ No Combined Counties, all published.

Pennsylvania: Dry Alfalfa Hay - Acreage, Yield, Production and Value, 2010-2011 ¹

County & district	2010				2011			
	Harvested	Yield per acre	Production	Value of production	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(tons)	(tons)	(dollars)	(acres)	(tons)	(tons)	(dollars)
Adams	3,700	2.95	10,900	1,580,500	-	-	-	-
Allegheny	2,200	2.60	5,700	826,500	-	-	-	-
Armstrong	13,000	2.50	32,500	4,712,500	10,400	2.65	27,300	5,214,300
Beaver	6,700	2.40	16,100	2,334,500	6,100	3.00	18,200	3,476,200
Bedford	19,500	2.45	47,800	6,931,000	17,000	3.30	55,800	10,657,800
Berks	17,700	2.75	49,000	7,105,000	15,500	2.90	45,000	8,595,000
Blair	7,400	3.65	27,000	3,915,000	6,000	2.20	13,100	2,502,100
Bradford	19,300	1.90	36,600	5,307,000	16,500	2.80	46,300	8,843,300
Bucks	1,100	2.00	2,200	319,000	800	2.25	1,800	343,800
Butler	18,400	2.50	46,000	6,670,000	12,400	3.05	37,900	7,238,900
Cambria	11,000	2.20	24,300	3,523,500	9,600	2.30	22,200	4,240,200
Carbon	800	3.15	2,500	362,500	800	3.50	2,800	534,800
Centre	14,300	2.70	38,400	5,568,000	10,500	2.50	26,500	5,061,500
Chester	11,800	3.75	44,000	6,380,000	7,500	3.25	24,200	4,622,200
Clarion	7,100	2.60	18,500	2,682,500	6,800	2.45	16,600	3,170,600
Clearfield	6,000	2.45	14,600	2,117,000	5,400	2.30	12,500	2,387,500
Clinton	4,900	2.90	14,200	2,059,000	-	-	-	-
Columbia	4,600	2.15	9,900	1,435,500	3,800	1.95	7,500	1,432,500
Crawford	11,800	2.20	26,000	3,770,000	10,100	3.00	30,100	5,749,100
Cumberland	11,100	2.90	32,200	4,669,000	8,800	2.65	23,500	4,488,500
Dauphin	3,700	3.05	11,300	1,638,500	2,900	2.40	7,000	1,337,000
Elk	1,900	2.20	4,200	609,000	1,700	1.80	3,100	592,100
Erie	3,100	2.40	7,400	1,073,000	3,300	3.35	11,100	2,120,100
Fayette	10,500	2.30	24,200	3,509,000	9,300	2.20	20,600	3,934,600
Franklin	15,300	2.15	32,900	4,770,500	11,000	2.30	25,500	4,870,500
Fulton	4,300	2.00	8,600	1,247,000	3,700	2.55	9,500	1,814,500
Greene	5,900	2.05	12,100	1,754,500	-	-	-	-
Huntingdon	8,900	2.85	25,400	3,683,000	8,600	2.00	17,200	3,285,200
Indiana	17,100	2.10	35,900	5,205,500	12,500	2.35	29,200	5,577,200
Jefferson	9,500	2.35	22,300	3,233,500	7,400	1.85	13,600	2,597,600
Juniata	8,400	2.90	24,400	3,538,000	6,400	2.40	15,500	2,960,500
Lackawanna	1,500	1.65	2,500	362,500	-	-	-	-
Lancaster	37,900	3.65	138,200	20,039,000	23,800	3.65	87,000	16,617,000
Lawrence	6,700	2.55	17,100	2,479,500	6,400	3.00	19,200	3,667,200
Lebanon	5,900	3.35	19,800	2,871,000	-	-	-	-
Lehigh	4,300	2.85	12,300	1,783,500	3,800	3.60	13,600	2,597,600
Luzerne	2,500	1.85	4,600	667,000	2,100	2.90	6,100	1,165,100
Lycoming	11,200	2.30	25,800	3,741,000	-	-	-	-
McKean	1,400	2.05	2,900	420,500	1,600	2.15	3,400	649,400
Mercer	8,200	3.10	25,500	3,697,500	7,800	3.05	23,900	4,564,900
Mifflin	8,000	2.85	22,800	3,306,000	-	-	-	-
Monroe	500	1.80	900	130,500	-	-	-	-
Montour	1,500	2.15	3,200	464,000	1,000	2.40	2,400	458,400
Northampton	5,200	2.25	11,700	1,696,500	3,900	3.10	12,000	2,292,000
Northumberland	4,300	2.65	11,400	1,653,000	3,200	2.20	7,000	1,337,000
Perry	6,200	2.60	16,100	2,334,500	-	-	-	-
Potter	2,900	2.50	7,300	1,058,500	3,000	2.90	8,700	1,661,700
Schuylkill	4,700	2.95	13,900	2,015,500	3,900	2.95	11,500	2,196,500
Snyder	7,300	3.00	21,900	3,175,500	7,000	2.70	18,900	3,609,900
Somerset	16,600	2.35	39,000	5,655,000	14,100	2.75	38,600	7,372,600
Sullivan	-	-	-	-	1,700	3.10	5,300	1,012,300
Susquehanna	-	-	-	-	5,300	1.80	9,500	1,814,500
Tioga	10,000	2.00	20,000	2,900,000	10,700	2.75	29,200	5,577,200
Union	4,400	1.90	8,300	1,203,500	3,500	2.60	9,100	1,738,100
Warren	3,200	2.10	6,700	971,500	2,500	2.40	6,000	1,146,000
Washington	21,700	2.60	56,400	8,178,000	22,100	2.05	45,800	8,747,800
Westmoreland	16,100	2.55	41,100	5,959,500	11,300	2.75	31,000	5,921,000
Wyoming	2,200	1.55	3,400	493,000	2,400	1.90	4,500	859,500
York	10,600	3.05	32,100	4,654,500	-	-	-	-
Northwestern, Combined Counties	3,200	2.55	8,200	1,189,000	3,300	3.00	9,900	1,890,900
North Central, Combined Counties	2,900	1.20	3,500	507,500	11,800	3.05	36,000	6,876,000
Northeastern, Combined Counties	7,300	2.00	14,500	2,102,500	3,300	1.80	6,000	1,146,000
Central, Combined Counties	-	-	-	-	11,100	2.60	29,100	5,558,100
East Central, Combined Counties	-	-	-	-	500	2.00	1,000	191,000
Southwestern, Combined Counties	-	-	-	-	6,200	2.10	13,000	2,483,000
South Central, Combined Counties	-	-	-	-	11,500	2.75	31,700	6,054,700
Southeastern, Combined Counties	600	3.00	1,800	261,000	6,400	3.75	24,000	4,584,000
Northwestern	29,500	2.50	73,800	10,701,000	27,000	3.00	81,000	15,471,000
North Central	54,500	2.10	114,500	16,602,500	47,000	2.80	132,000	25,212,000
Northeastern	11,000	1.85	20,400	2,958,000	11,000	1.80	20,000	3,820,000
West Central	78,500	2.40	188,400	27,318,000	62,000	2.60	162,000	30,943,000
Central	96,000	2.70	259,000	37,555,000	79,000	2.40	188,000	35,909,000
East Central	18,000	2.55	45,900	6,655,500	15,000	3.15	47,000	8,977,000
Southwestern	73,000	2.45	178,500	25,882,500	63,000	2.35	149,000	28,459,000
South Central	64,500	2.55	164,500	23,852,500	52,000	2.80	146,000	27,886,000
Southeastern	75,000	3.40	255,000	36,975,000	54,000	3.35	182,000	34,763,000
Pennsylvania	500,000	2.60	1,300,000	188,500,000	410,000	2.70	1,107,000	211,440,000

¹ Counties not shown separately included in 'Combined Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on preliminary State marketing year average price published by USDA, NASS.

Pennsylvania: Dry Other Hay - Acreage, Yield, Production and Value, 2010-2011 ¹

County & district	2010				2011			
	Harvested	Yield per acre	Production	Value of production	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(tons)	(tons)	(dollars)	(acres)	(tons)	(tons)	(dollars)
Adams	33,200	2.25	74,700	8,291,700	34,000	2.55	85,900	11,510,600
Allegheny	4,200	1.80	7,600	843,600	4,200	1.55	6,500	871,000
Armstrong	17,300	2.25	38,900	4,317,900	-	-	-	-
Beaver	6,200	2.15	13,300	1,476,300	-	-	-	-
Bedford	25,200	1.70	42,800	4,750,800	25,800	1.70	43,900	5,882,600
Berks	25,900	2.80	72,600	8,058,600	24,900	2.65	65,400	8,763,600
Blair	6,000	2.50	15,000	1,665,000	5,800	2.40	14,000	1,876,000
Bradford	53,800	1.40	75,300	8,358,300	56,100	2.30	129,000	17,286,000
Bucks	23,900	1.65	39,400	4,373,400	22,500	2.30	51,700	6,927,800
Butler	13,700	2.25	30,800	3,418,800	13,900	1.85	25,900	3,470,600
Cameron	-	-	-	-	600	3.00	1,800	241,200
Carbon	-	-	-	-	3,900	2.30	8,900	1,192,600
Centre	14,200	2.25	32,000	3,552,000	13,200	1.95	25,500	3,417,000
Chester	28,200	2.50	70,500	7,825,500	27,100	2.80	76,100	10,197,400
Clarion	19,600	2.05	40,200	4,462,200	19,700	2.15	42,200	5,654,800
Clearfield	8,400	2.20	18,500	2,053,500	8,600	2.15	18,400	2,465,600
Clinton	3,000	1.90	5,700	632,700	-	-	-	-
Columbia	8,200	1.90	15,600	1,731,600	7,900	1.80	14,200	1,902,800
Crawford	25,000	2.70	67,500	7,492,500	30,600	2.25	68,300	9,152,200
Cumberland	22,700	2.30	52,200	5,794,200	24,300	2.60	63,900	8,562,600
Dauphin	15,600	2.45	38,200	4,240,200	16,700	2.75	45,800	6,137,200
Erie	22,000	2.70	59,400	6,593,400	25,400	2.20	55,900	7,490,600
Fayette	23,600	1.95	46,000	5,106,000	22,300	2.05	45,800	6,137,200
Forest	1,000	2.00	2,000	222,000	1,100	2.55	2,800	375,200
Franklin	30,300	2.30	69,700	7,736,700	30,400	2.90	88,600	11,872,400
Fulton	21,900	1.65	36,100	4,007,100	20,800	1.80	37,400	5,011,600
Greene	28,800	1.65	47,500	5,272,500	27,100	2.10	56,800	7,611,200
Huntingdon	15,200	1.90	28,900	3,207,900	15,000	2.45	36,800	4,931,200
Indiana	11,300	2.20	24,900	2,763,900	-	-	-	-
Jefferson	16,200	2.35	38,100	4,229,100	-	-	-	-
Juniata	7,500	2.45	18,400	2,042,400	8,800	2.55	22,400	3,001,600
Lackawanna	7,300	1.70	12,400	1,376,400	7,100	1.70	12,000	1,608,000
Lancaster	16,800	2.80	47,000	5,217,000	16,400	2.70	44,000	5,896,000
Lawrence	6,700	2.05	13,800	1,531,800	-	-	-	-
Lebanon	10,000	2.05	20,500	2,275,500	-	-	-	-
Lehigh	5,200	2.85	14,800	1,642,800	5,400	2.95	15,800	2,117,200
Luzerne	6,500	1.95	12,700	1,409,700	6,500	2.10	13,500	1,809,000
Lycoming	12,800	2.10	26,900	2,985,900	14,400	2.60	37,300	4,998,200
McKean	6,200	1.85	11,500	1,276,500	7,700	2.40	18,400	2,465,600
Mercer	16,400	2.95	48,500	5,383,500	16,900	2.45	41,400	5,547,600
Mifflin	6,800	2.90	19,700	2,186,700	-	-	-	-
Monroe	4,000	2.00	8,000	888,000	-	-	-	-
Montgomery	-	-	-	-	11,100	2.20	24,600	3,296,400
Montour	-	-	-	-	4,100	2.55	10,400	1,393,600
Northampton	5,800	2.15	12,500	1,387,500	-	-	-	-
Northumberland	6,900	2.10	14,500	1,609,500	7,100	2.45	17,400	2,331,600
Perry	15,600	2.25	35,100	3,896,100	18,100	2.60	46,700	6,257,800
Pike	-	-	-	-	1,100	2.35	2,600	348,400
Potter	7,100	2.00	14,200	1,576,200	9,300	2.15	19,800	2,653,200
Schuylkill	10,900	2.80	30,500	3,385,500	9,700	3.05	29,700	3,979,800
Snyder	8,000	2.50	20,000	2,220,000	8,700	2.35	20,300	2,720,200
Somerset	25,600	2.05	52,500	5,827,500	25,900	2.55	66,100	8,857,400
Sullivan	4,800	1.60	7,700	854,700	5,400	2.35	12,700	1,701,800
Susquehanna	40,100	1.55	63,100	7,004,100	44,000	1.80	78,800	10,559,200
Tioga	53,000	2.10	112,000	12,432,000	62,000	1.95	121,300	16,254,200
Union	4,500	2.45	11,000	1,221,000	-	-	-	-
Venango	7,600	2.20	16,700	1,853,700	8,800	2.30	20,100	2,693,400
Warren	14,000	1.80	25,200	2,797,200	15,200	2.70	41,000	5,494,000
Washington	45,300	1.75	79,400	8,813,400	45,100	1.95	88,800	11,899,200
Wayne	27,000	1.50	41,000	4,551,000	31,300	2.35	74,000	9,916,000
Westmoreland	19,500	2.00	39,000	4,329,000	21,400	2.60	55,400	7,423,600
Wyoming	12,600	1.80	22,700	2,519,700	13,600	1.95	26,300	3,524,200
York	33,200	2.75	91,000	10,101,000	32,700	2.80	92,100	12,341,400
North Central, Combined Counties	3,800	1.80	6,800	754,800	6,500	1.95	12,700	1,701,800
West Central, Combined Counties	-	-	-	-	57,400	2.20	125,400	16,803,600
Central, Combined Counties	11,100	1.90	21,100	2,342,100	17,000	2.35	40,000	5,360,000
East Central, Combined Counties	4,600	2.25	10,300	1,143,300	9,400	2.20	20,600	2,760,400
Southeastern, Combined Counties	8,200	1.95	16,100	1,787,100	10,000	2.90	29,200	3,912,800
Northwestern	86,000	2.55	219,300	24,342,300	98,000	2.35	229,500	30,753,000
North Central	144,500	1.80	260,100	28,871,100	162,000	2.20	353,000	47,302,000
Northeastern	87,000	1.60	139,200	15,451,200	96,000	2.00	191,100	25,608,000
West Central	91,000	2.20	200,000	22,200,000	91,000	2.15	193,500	25,929,000
Central	128,000	2.25	288,000	31,968,000	131,000	2.40	311,900	41,795,000
East Central	37,000	2.40	88,800	9,856,800	36,000	2.55	91,100	12,209,000
Southwestern	147,000	1.85	272,000	30,192,000	146,000	2.20	319,400	42,800,000
South Central	166,500	2.20	366,500	40,681,500	168,000	2.45	411,500	55,141,000
Southeastern	113,000	2.35	266,100	29,537,100	112,000	2.60	291,000	38,994,000
Pennsylvania	1,000,000	2.10	2,100,000	233,100,000	1,040,000	2.30	2,392,000	320,530,000

¹ Counties not shown separately included in 'Combined Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on preliminary State marketing year average price published by USDA, NASS.

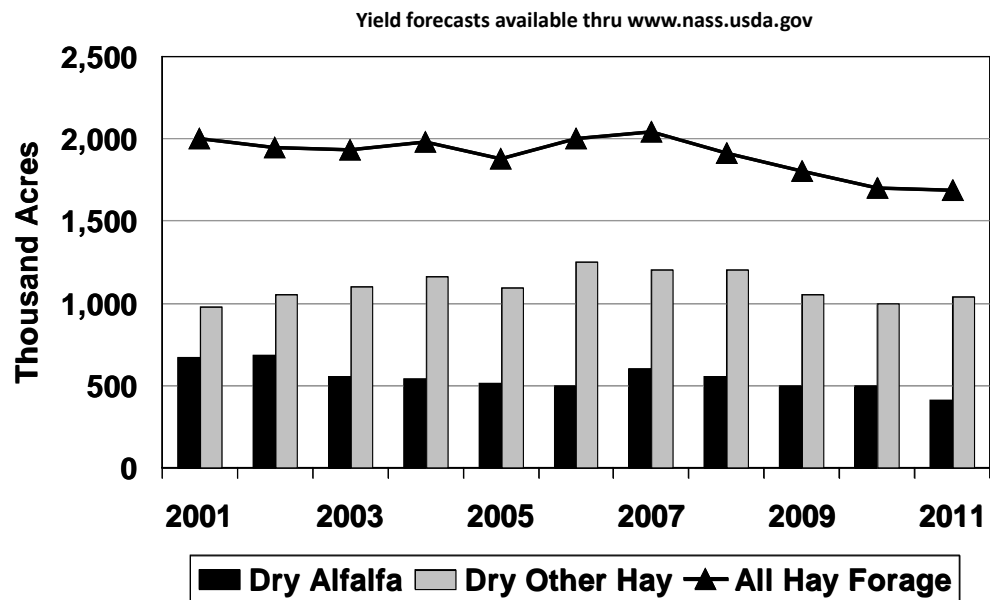
Pennsylvania: All Forage - Acreage, Yield, Production and Value, 2010-2011 ^{1 2 3}

County & district	2010				2011			
	Harvested (acres)	Yield per acre (tons)	Production (tons)	Value of production (dollars)	Harvested (acres)	Yield per acre (tons)	Production (tons)	Value of production (dollars)
Adams	37,800	2.66	100,700	11,431,770	38,100	2.45	93,200	13,965,088
Allegheny	6,600	2.12	14,000	1,589,320	6,900	1.65	11,400	1,708,176
Armstrong	32,500	2.48	80,600	9,149,950	29,400	2.40	70,600	10,578,704
Beaver	14,300	2.45	35,000	3,973,310	14,800	2.90	42,800	6,413,152
Bedford	47,700	2.68	127,900	14,519,590	48,400	2.75	132,000	19,778,880
Berks	46,200	3.46	160,000	18,163,680	48,200	2.95	141,500	21,202,360
Blair	22,500	3.32	74,800	8,491,520	20,000	2.60	52,300	7,836,632
Bradford	74,000	2.42	179,300	20,354,670	78,200	2.70	212,000	31,766,080
Bucks	27,700	2.16	59,800	6,788,680	23,700	2.30	54,800	8,211,232
Butler	34,200	2.56	87,400	9,921,910	29,400	2.45	72,400	10,848,416
Cambria	-	-	-	-	18,900	2.40	45,500	6,817,720
Carbon	-	-	-	-	5,000	2.50	12,600	1,887,984
Centre	30,300	2.77	83,800	9,513,230	28,100	2.80	79,000	11,837,360
Chester	42,600	2.31	98,500	11,182,020	37,200	3.00	112,000	16,782,080
Clarion	31,400	2.25	70,600	8,014,720	29,500	2.45	71,700	10,743,528
Clearfield	18,800	2.35	44,200	5,017,720	17,600	2.40	41,900	6,278,296
Clinton	10,800	2.76	29,800	3,382,990	-	-	-	-
Columbia	14,100	2.05	28,900	3,280,810	12,900	2.15	27,600	4,135,584
Crawford	47,000	3.04	142,700	16,199,730	51,000	2.65	135,200	20,258,368
Cumberland	35,100	3.15	110,600	12,555,640	36,900	3.20	118,000	17,681,120
Dauphin	20,000	2.95	59,000	6,697,860	20,800	2.85	58,800	8,810,592
Delaware	-	-	-	-	500	3.00	1,500	224,760
Elk	-	-	-	-	6,600	2.45	16,300	2,442,392
Erie	25,300	3.29	83,300	9,456,470	28,700	2.45	69,600	10,428,864
Fayette	35,500	2.30	81,800	9,286,180	33,600	2.20	74,500	11,163,080
Forest	-	-	-	-	1,600	2.75	4,400	659,296
Franklin	54,200	3.13	169,400	19,230,800	55,200	3.10	170,000	25,472,800
Fulton	29,900	2.09	62,500	7,095,190	27,700	2.20	61,300	9,185,192
Greene	37,800	1.76	66,500	7,549,280	31,200	2.10	66,000	9,889,440
Huntingdon	28,800	2.77	79,800	9,059,140	29,100	2.65	77,100	11,552,664
Indiana	32,600	2.22	72,400	8,219,070	30,500	2.70	82,300	12,331,832
Jefferson	26,800	2.46	65,800	7,469,810	24,700	2.00	49,300	7,387,112
Juniata	18,400	3.05	56,100	6,368,640	20,900	3.00	63,000	9,439,920
Lackawanna	-	-	-	-	9,300	1.95	18,000	2,697,120
Lancaster	71,500	3.70	264,600	30,038,190	63,100	3.75	238,000	35,661,920
Lawrence	16,700	2.44	40,700	4,620,390	18,700	2.90	54,400	8,151,296
Lebanon	25,600	3.18	81,400	9,240,770	26,500	3.75	99,000	14,834,160
Lehigh	9,700	3.14	30,500	3,462,450	10,100	3.30	33,400	5,004,656
Luzerne	9,400	2.13	20,000	2,270,460	9,100	2.20	19,900	2,981,816
Lycoming	28,200	2.54	71,700	8,139,600	27,900	2.95	82,700	12,391,768
McKean	7,800	2.30	17,900	2,032,060	9,300	2.35	21,800	3,266,512
Mercer	33,700	3.05	102,700	11,658,810	31,700	3.00	94,400	14,144,896
Mifflin	17,800	3.15	56,100	6,368,640	15,400	2.85	44,100	6,607,944
Monroe	4,900	2.00	9,800	1,112,530	-	-	-	-
Montgomery	-	-	-	-	11,800	2.15	25,600	3,835,904
Montour	-	-	-	-	6,000	2.95	17,700	2,652,168
Northampton	11,600	2.55	29,600	3,360,280	11,200	2.85	32,000	4,794,880
Northumberland	13,700	2.50	34,300	3,893,840	13,400	2.80	37,800	5,663,952
Perry	33,600	2.40	80,600	9,149,950	33,600	2.85	96,200	14,414,608
Potter	11,500	3.16	36,300	4,120,880	14,800	2.30	34,300	5,139,512
Schuylkill	15,800	3.28	51,800	5,880,490	15,200	2.85	43,000	6,443,120
Snyder	18,400	2.94	54,000	6,130,240	19,300	3.30	64,000	9,589,760
Somerset	54,400	2.48	135,000	15,325,610	54,600	2.75	150,700	22,580,888
Sullivan	-	-	-	-	8,700	2.85	24,600	3,686,064
Susquehanna	-	-	-	-	52,600	1.95	101,900	15,268,696
Tioga	64,900	2.69	174,500	19,809,760	77,400	2.15	166,200	24,903,408
Union	13,700	2.40	32,900	3,734,910	15,000	3.60	54,000	8,091,360
Venango	-	-	-	-	12,300	2.70	33,300	4,989,672
Warren	17,500	2.53	44,200	5,017,720	17,700	2.80	49,200	7,372,128
Washington	67,400	2.19	147,500	16,744,640	69,200	2.00	137,800	20,647,952
Wayne	32,000	1.95	62,500	7,095,190	35,800	2.25	80,800	12,107,072
Westmoreland	39,300	2.33	91,700	10,410,060	36,500	2.75	99,800	14,954,032
Wyoming	17,700	1.83	32,400	3,678,150	18,800	2.05	39,000	5,843,760
York	48,300	2.85	137,400	15,598,060	43,700	2.85	124,200	18,610,128
Northwestern, Combined Counties	12,500	2.65	33,100	3,757,610	-	-	-	-
North Central, Combined Counties	16,800	1.73	29,000	3,292,170	11,100	3.20	35,300	5,289,352
Northeastern, Combined Counties	59,800	1.94	116,100	13,180,020	-	-	-	-
Central, Combined Counties	25,400	2.34	59,500	6,754,620	-	-	-	-
East Central, Combined Counties	6,100	2.43	14,800	1,680,140	4,900	1.70	8,300	1,243,672
Southeastern, Combined Counties	11,400	2.30	26,200	2,974,300	-	-	-	-
Northwestern	136,000	2.99	406,000	46,090,340	143,000	2.70	386,100	57,853,224
North Central	214,000	2.52	538,500	61,132,140	234,000	2.55	593,200	88,885,088
Northeastern	109,500	1.93	211,000	23,953,350	116,500	2.05	239,700	35,916,648
West Central	188,500	2.40	452,500	51,369,160	177,000	2.50	443,500	66,454,040
Central	275,500	2.70	744,000	84,461,110	271,000	2.80	759,000	113,733,600
East Central	57,500	2.72	156,500	17,766,350	55,500	2.70	149,200	22,356,128
Southwestern	241,000	2.23	536,500	60,905,090	232,000	2.35	540,200	80,943,568
South Central	253,000	2.80	708,500	80,431,050	250,000	2.80	698,700	104,698,240
Southeastern	225,000	3.07	690,500	78,387,630	211,000	3.20	672,400	100,757,456
Pennsylvania	1,700,000	2.61	4,444,000	504,496,200	1,690,000	2.65	4,482,000	671,598,000

¹ Counties not shown separately included in 'Other Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Forage production includes all forms of harvested hay on a dry equivalent basis. Several assumptions are made to convert haylage and greenchop to a dry equivalent. Haylage production is based on haylage weight at harvest and then converted to dry equivalent production. ³ All Forage is the sum of the following dry equivalents: a) alfalfa hay harvested as **dry hay**, b) all other hay harvested as **dry hay**, c) alfalfa haylage and greenchop, d) all other hay haylage and greenchop.

PA Hay Acres Harvested

All Hay Forage includes dry hay, haylage & greenchop



Jan 2012

National Ag Statistics Service-PA, USDA

Pennsylvania: Oats - Acreage, Yield, Production and Value, 2011 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 32 lbs.)	(bushels, 32 lbs.)	(dollars)
Adams	700	200	44.5	8,900	38,270
Armstrong	3,000	2,300	30.4	70,000	301,000
Bedford	2,200	1,700	46.1	78,400	337,120
Blair	1,100	400	44.8	17,900	76,970
Bradford	1,500	600	50.0	30,000	129,000
Butler	3,300	2,600	40.0	104,000	447,200
Cambria	4,600	3,900	45.4	177,000	761,100
Carbon	500	400	57.0	22,800	98,040
Centre	2,200	1,900	51.1	97,000	417,100
Clarion	1,500	1,400	48.6	68,000	292,400
Clearfield	1,100	900	35.6	32,000	137,600
Clinton	800	200	37.5	7,500	32,250
Columbia	1,400	700	40.0	28,000	120,400
Crawford	3,400	2,200	40.7	89,600	385,280
Cumberland	1,300	900	48.9	44,000	189,200
Dauphin	1,300	900	51.0	45,900	197,370
Erie	3,500	1,400	48.6	68,000	292,400
Franklin	2,400	200	57.0	11,400	49,020
Fulton	1,100	900	62.6	56,300	242,090
Huntingdon	1,500	900	34.4	31,000	133,300
Jefferson	1,800	1,500	39.7	59,500	255,850
Juniata	1,300	700	40.9	28,600	122,980
Lawrence	1,800	1,400	39.3	55,000	236,500
Luzerne	1,000	800	36.0	28,800	123,840
Northampton	700	500	60.0	30,000	129,000
Northumberland	900	600	55.0	33,000	141,900
Perry	1,900	1,300	51.5	67,000	288,100
Potter	900	700	50.0	35,000	150,500
Schuylkill	2,000	1,800	48.6	87,500	376,250
Snyder	1,000	900	46.7	42,000	180,600
Somerset	4,900	4,200	58.1	244,000	1,049,200
Tioga	1,600	800	46.9	37,500	161,250
Venango	1,000	900	43.9	39,500	169,850
Westmoreland	2,400	1,700	47.4	80,500	346,150
York	1,300	800	58.8	47,000	202,100
Northwestern, Combined Counties	3,100	2,300	49.1	112,900	485,470
North Central, Combined Counties	4,700	3,600	46.7	168,000	722,400
West Central, Combined Counties	4,500	3,500	39.9	139,500	599,850
Central, Combined Counties	2,400	1,700	49.2	83,600	359,480
East Central, Combined Counties	1,800	1,500	47.3	70,900	304,870
Southwestern, Combined Counties	2,800	2,200	37.5	82,500	354,750
Northwestern	11,000	6,800	45.6	310,000	1,333,000
North Central	9,500	5,900	47.1	278,000	1,195,400
West Central	15,900	12,700	39.1	496,000	2,132,800
Central	20,700	14,800	46.1	683,000	2,936,900
East Central	6,000	5,000	48.0	240,000	1,032,000
Southwestern	10,100	8,100	50.2	407,000	1,750,100
South Central	9,000	4,700	52.3	246,000	1,057,800
Combined Districts	7,800	2,000	50.0	100,000	430,000
Pennsylvania	90,000	60,000	46.0	2,760,000	11,868,000

¹ Counties not shown separately included in 'Combined Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on preliminary State marketing year average price published by USDA, NASS.

Pennsylvania: Oats - Acreage, Yield, Production and Value, 2010, Revised ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 32 lbs.)	(bushels, 32 lbs.)	(dollars)
Adams	900	800	66.1	52,900	166,106
Armstrong	3,000	2,700	52.2	141,000	442,740
Beaver	1,200	900	57.2	51,500	161,710
Bedford	2,600	2,000	62.5	125,000	392,500
Blair	1,100	400	58.8	23,500	73,790
Bradford	2,400	1,400	58.9	82,500	259,050
Butler	4,100	3,400	58.2	198,000	621,720
Cambria	5,900	5,400	60.2	325,000	1,020,500
Carbon	500	300	63.0	18,900	59,346
Centre	2,800	1,900	60.0	114,000	357,960
Clarion	2,000	1,200	55.1	66,100	207,554
Clearfield	1,400	1,200	57.7	69,200	217,288
Columbia	1,500	1,100	52.2	57,400	180,236
Crawford	5,600	4,300	61.4	264,000	828,960
Cumberland	2,100	1,800	51.8	93,200	292,648
Dauphin	1,200	1,000	61.5	61,500	193,110
Erie	3,000	2,500	63.2	158,000	496,120
Fayette	1,400	1,100	47.3	52,000	163,280
Franklin	2,000	400	65.5	26,200	82,268
Fulton	1,600	1,200	63.3	76,000	238,640
Huntingdon	1,800	1,200	60.2	72,200	226,708
Indiana	5,000	4,100	58.8	241,000	756,740
Jefferson	2,200	1,600	52.1	83,400	261,876
Juniata	1,600	1,000	59.0	59,000	185,260
Lawrence	2,300	2,100	59.5	125,000	392,500
Lebanon	1,000	400	65.5	26,200	82,268
Lehigh	1,100	800	66.0	52,800	165,792
Luzerne	1,200	900	58.9	53,000	166,420
Lycoming	2,200	1,800	49.3	88,700	278,518
Mercer	4,300	3,500	59.4	208,000	653,120
Mifflin	800	600	58.7	35,200	110,528
Monroe	600	500	50.0	25,000	78,500
Montour	1,000	800	53.3	42,600	133,764
Northampton	800	700	60.4	42,300	132,822
Northumberland	1,900	1,300	66.9	87,000	273,180
Perry	2,000	1,300	70.8	92,000	288,880
Potter	900	650	58.6	38,100	119,634
Schuylkill	2,600	2,100	59.5	125,000	392,500
Snyder	1,600	1,100	51.4	56,500	177,410
Somerset	6,700	6,000	61.7	370,000	1,161,800
Tioga	2,000	1,200	62.3	74,800	234,872
Union	600	300	56.3	16,900	53,066
Venango	1,100	900	52.7	47,400	148,836
Washington	1,100	800	54.1	43,300	135,962
Westmoreland	2,600	2,300	55.7	128,000	401,920
York	1,600	1,100	60.6	66,700	209,438
Northwestern, Combined Counties	1,300	500	71.2	35,600	111,784
North Central, Combined Counties	1,100	650	49.1	31,900	100,166
Northeastern, Combined Counties	1,300	700	62.9	44,000	138,160
Southwestern, Combined Counties	600	400	69.3	27,700	86,978
Southeastern, Combined Counties	8,800	3,700	60.8	224,800	705,872
Northwestern	15,300	11,700	60.9	713,000	2,238,820
North Central	8,600	5,700	55.4	316,000	992,240
Northeastern	1,300	700	62.9	44,000	138,160
West Central	19,800	16,000	56.6	906,000	2,844,840
Central	25,200	18,600	59.8	1,112,000	3,491,680
East Central	6,800	5,300	59.8	317,000	995,380
Southwestern	12,400	10,600	58.6	621,000	1,949,940
South Central	10,800	7,300	60.3	440,000	1,381,600
Southeastern	9,800	4,100	61.2	251,000	788,140
Pennsylvania	110,000	80,000	59.0	4,720,000	14,820,800

¹ Counties not shown separately included in 'Combined Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on final State marketing year average price published by USDA, NASS.

Pennsylvania: Soybeans - Acreage, Yield, Production and Value, 2011 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	21,500	21,200	36.2	768,000	9,216,000
Armstrong	4,500	4,300	40.7	175,000	2,100,000
Beaver	3,500	3,440	41.6	143,000	1,716,000
Bedford	4,200	4,130	42.9	177,000	2,124,000
Berks	28,800	28,200	44.0	1,241,000	14,892,000
Blair	3,700	3,660	51.6	189,000	2,268,000
Butler	9,800	9,660	43.8	423,000	5,076,000
Cambria	4,900	4,890	39.5	193,000	2,316,000
Centre	10,400	10,400	43.2	449,000	5,388,000
Chester	13,800	13,700	50.2	688,000	8,256,000
Clarion	3,400	3,390	42.5	144,000	1,728,000
Clearfield	700	690	36.2	25,000	300,000
Columbia	11,600	11,300	40.4	456,000	5,472,000
Crawford	20,500	20,200	40.0	808,000	9,696,000
Cumberland	17,300	17,200	46.6	802,000	9,624,000
Dauphin	12,300	12,100	44.5	538,000	6,456,000
Erie	12,700	12,500	39.9	499,000	5,988,000
Fayette	5,000	4,900	47.3	232,000	2,784,000
Franklin	17,600	17,400	38.3	666,000	7,992,000
Fulton	800	770	39.0	30,000	360,000
Huntingdon	3,500	3,320	43.4	144,000	1,728,000
Indiana	11,200	11,100	40.9	454,000	5,448,000
Jefferson	3,200	3,160	33.2	105,000	1,260,000
Juniata	8,900	8,690	41.4	360,000	4,320,000
Lancaster	30,600	30,000	53.4	1,601,000	19,212,000
Lawrence	8,500	8,450	49.0	414,000	4,968,000
Lebanon	15,400	15,000	54.4	816,000	9,792,000
Lehigh	16,400	16,300	48.2	785,000	9,420,000
Luzerne	2,800	2,720	41.2	112,000	1,344,000
Mercer	17,300	17,000	45.4	771,000	9,252,000
Mifflin	5,300	5,300	44.5	236,000	2,832,000
Monroe	1,700	1,700	48.4	82,300	987,600
Montour	6,800	6,530	42.4	277,000	3,324,000
Northampton	12,000	11,900	42.4	505,000	6,060,000
Northumberland	18,900	18,700	44.0	823,000	9,876,000
Perry	10,200	10,100	46.8	473,000	5,676,000
Schuylkill	9,900	9,880	43.8	433,000	5,196,000
Snyder	9,400	9,320	44.7	417,000	5,004,000
Somerset	5,000	4,970	46.5	231,000	2,772,000
Union	10,400	10,300	48.5	500,000	6,000,000
Westmoreland	7,300	7,190	47.8	344,000	4,128,000
York	40,100	38,300	41.4	1,587,000	19,044,000
Northwestern, Combined Counties	3,400	3,100	39.0	121,000	1,452,000
East Central, Combined Counties	1,400	1,400	40.5	56,700	680,400
Southwestern, Combined Counties	2,200	2,140	32.7	70,000	840,000
Southeastern, Combined Counties	13,400	12,700	40.4	513,000	6,156,000
Northwestern	53,900	52,800	41.6	2,199,000	26,388,000
West Central	44,100	43,500	42.7	1,858,000	22,296,000
Central	117,000	115,300	44.1	5,080,000	60,960,000
East Central	44,200	43,900	45.0	1,974,000	23,688,000
Southwestern	19,500	19,200	45.7	877,000	10,524,000
South Central	101,500	99,000	40.7	4,030,000	48,360,000
Southeastern	102,000	99,600	48.8	4,859,000	58,308,000
Combined Districts	17,800	16,700	40.9	683,000	8,196,000
Pennsylvania	500,000	490,000	44.0	21,560,000	258,720,000

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Pennsylvania: Soybeans - Acreage, Yield, Production and Value, 2010, Revised ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	21,600	21,300	34.0	725,000	8,772,500
Armstrong	3,900	3,800	35.3	134,000	19,618,940
Beaver	2,600	2,500	42.4	106,000	1,282,600
Bedford	4,200	4,200	44.8	188,000	2,274,800
Berks	29,400	29,400	40.9	1,203,000	14,556,300
Blair	3,800	3,700	46.8	173,000	2,093,300
Bucks	10,700	10,500	28.8	302,000	3,654,200
Butler	9,700	9,700	48.1	467,000	5,650,700
Cambria	4,100	4,100	42.4	174,000	2,105,400
Centre	10,500	10,400	45.3	471,000	5,699,100
Chester	16,000	15,900	50.6	805,000	9,740,500
Clarion	3,000	3,000	49.3	148,000	1,790,800
Columbia	11,400	11,300	42.4	479,000	5,795,900
Crawford	20,000	19,900	45.0	896,000	10,841,600
Cumberland	15,500	15,400	44.6	687,000	8,312,700
Dauphin	12,900	12,900	38.8	500,000	6,050,000
Erie	10,500	10,400	42.4	441,000	5,336,100
Fayette	3,500	3,400	36.2	123,000	1,488,300
Franklin	19,500	18,600	24.4	454,000	5,493,400
Fulton	900	900	25.6	23,000	278,300
Indiana	11,800	11,800	36.9	435,000	5,263,500
Jefferson	1,800	1,700	29.4	50,000	605,000
Juniata	7,700	7,700	42.6	328,000	3,968,800
Lancaster	39,300	39,200	50.2	1,968,000	23,812,800
Lawrence	8,600	8,500	48.8	415,000	5,021,500
Lebanon	15,000	15,000	46.0	690,000	8,349,000
Lehigh	14,600	14,600	37.1	541,000	6,546,100
Luzerne	3,000	3,000	41.7	125,000	1,512,500
Mercer	17,700	17,600	46.9	825,000	9,982,500
Mifflin	5,100	5,100	46.7	238,000	2,879,800
Montour	6,400	6,400	42.5	272,000	3,291,200
Northampton	14,200	14,200	43.4	616,000	7,453,600
Northumberland	19,400	19,300	42.5	821,000	9,934,100
Perry	9,400	9,300	42.7	397,000	4,803,700
Schuylkill	9,700	9,700	40.3	391,000	4,731,100
Snyder	8,900	8,800	42.7	376,000	4,549,600
Somerset	5,500	5,500	40.0	220,000	2,662,000
Union	8,600	8,400	47.4	398,000	4,815,800
Venango	1,600	1,500	44.5	66,700	807,070
Westmoreland	7,600	7,500	37.5	281,000	3,400,100
York	42,300	42,200	41.9	1,768,000	21,392,800
Northwestern, Combined Counties	900	900	42.6	38,300	463,430
Central, Combined Counties	4,300	4,300	35.8	154,000	1,863,400
East Central, Combined Counties	3,100	2,800	36.4	102,000	1,234,200
Southwestern, Combined Counties	1,600	1,400	37.9	53,000	641,300
Southeastern, Combined Counties	3,600	3,300	33.0	109,000	1,318,900
Northwestern	50,700	50,300	45.1	2,267,000	27,430,700
West Central	41,400	41,000	42.8	1,755,000	21,235,500
Central	112,500	111,700	42.8	4,781,000	57,850,100
East Central	44,600	44,300	40.1	1,775,000	21,477,500
Southwestern	18,200	17,800	38.0	677,000	8,191,700
South Central	104,000	102,600	37.5	3,845,000	46,524,500
Southeastern	114,000	113,300	44.8	5,077,000	61,431,700
Combined Districts	14,600	14,000	43.8	613,000	7,417,300
Pennsylvania	500,000	495,000	42.0	20,790,000	251,559,000

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Pennsylvania: Winter Wheat - Acreage, Yield, Production and Value, 2011 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	12,700	11,700	41.5	485,000	3,007,000
Armstrong	1,300	1,200	37.6	45,100	279,620
Berks	11,400	11,000	51.5	567,000	3,515,400
Blair	2,400	440	56.8	25,000	155,000
Bucks	2,700	2,680	40.7	109,000	675,800
Butler	2,600	2,400	44.2	106,000	657,200
Cambria	2,300	2,200	52.7	116,000	719,200
Centre	3,700	3,600	59.4	214,000	1,326,800
Chester	7,600	7,200	71.0	511,000	3,168,200
Clarion	900	820	53.3	43,700	270,940
Columbia	4,600	4,500	51.8	233,000	1,444,600
Crawford	3,100	2,880	31.4	90,500	561,100
Cumberland	10,100	9,700	49.1	476,000	2,951,200
Dauphin	3,900	3,560	43.8	156,000	967,200
Erie	2,300	2,000	51.5	103,000	638,600
Fulton	2,000	1,600	46.3	74,000	458,800
Huntingdon	1,500	1,200	49.2	59,000	365,800
Lancaster	13,500	13,200	74.6	985,000	6,107,000
Lawrence	3,300	3,200	45.3	145,000	899,000
Lehigh	7,400	7,300	47.5	347,000	2,151,400
Luzerne	1,000	900	42.6	38,300	237,460
Mercer	4,000	3,800	41.6	158,000	979,600
Mifflin	1,600	1,500	37.3	56,000	347,200
Montour	1,200	1,100	41.9	46,100	285,820
Northampton	3,900	3,800	52.1	198,000	1,227,600
Northumberland	3,300	3,100	52.9	164,000	1,016,800
Perry	4,500	4,100	39.0	160,000	992,000
Schuylkill	4,300	4,200	46.7	196,000	1,215,200
Snyder	1,900	1,500	47.1	70,600	437,720
Union	2,800	2,600	43.8	114,000	706,800
Westmoreland	2,000	1,800	41.3	74,400	461,280
York	17,200	16,600	59.0	980,000	6,076,000
Northwestern, Combined Counties	700	620	50.8	31,500	195,300
West Central, Combined Counties	3,700	3,480	41.4	144,200	894,040
Central, Combined Counties	1,700	1,500	38.9	58,300	361,460
East Central, Combined Counties	900	800	42.1	33,700	208,940
Southwestern, Combined Counties	4,400	3,900	42.2	164,600	1,020,520
South Central, Combined Counties	13,200	10,900	47.8	521,000	3,230,200
Southeastern, Combined Counties	7,300	7,020	49.4	347,000	2,151,400
Northwestern	10,100	9,300	41.2	383,000	2,374,600
West Central	11,800	11,100	43.6	484,000	3,000,800
Central	35,400	30,900	47.6	1,472,000	9,126,400
East Central	17,500	17,000	47.8	813,000	5,040,600
Southwestern	6,400	5,700	41.9	239,000	1,481,800
South Central	55,200	50,500	50.2	2,536,000	15,723,200
Southeastern	42,500	41,100	61.3	2,519,000	15,617,800
Combined Districts	6,100	4,400	50.9	224,000	1,388,800
Pennsylvania	185,000	170,000	51.0	8,670,000	53,754,000

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Pennsylvania: Winter Wheat - Acreage, Yield, Production and Value, 2010 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	7,400	6,600	47.9	316,000	1,580,000
Armstrong	1,200	1,100	44.6	49,100	245,500
Beaver	900	600	43.8	26,300	131,500
Bedford	1,900	1,500	59.3	89,000	445,000
Berks	11,400	10,900	59.4	647,000	3,235,000
Blair	1,700	600	54.0	32,400	162,000
Bucks	2,200	2,100	39.4	82,800	414,000
Butler	2,700	2,500	50.0	125,000	625,000
Cambria	2,200	2,100	54.8	115,000	575,000
Centre	3,300	3,100	61.9	192,000	960,000
Chester	6,100	5,800	73.4	426,000	2,130,000
Clarion	600	500	68.6	34,300	171,500
Clinton	1,100	1,000	61.4	61,400	307,000
Columbia	4,200	4,100	55.9	229,000	1,145,000
Crawford	2,100	1,900	43.1	81,800	409,000
Cumberland	7,000	6,500	52.2	339,000	1,695,000
Dauphin	3,500	3,300	52.7	174,000	870,000
Erie	2,000	1,800	49.3	88,800	444,000
Franklin	10,000	9,300	69.6	647,000	3,235,000
Fulton	2,000	1,600	33.1	53,000	265,000
Huntingdon	1,000	800	50.0	40,000	200,000
Indiana	1,200	1,000	66.4	66,400	332,000
Jefferson	500	400	54.8	21,900	109,500
Juniata	1,300	1,200	41.2	49,400	247,000
Lancaster	13,400	13,100	85.2	1,116,000	5,580,000
Lawrence	3,100	2,800	57.5	161,000	805,000
Lebanon	4,900	4,500	70.7	318,000	1,590,000
Lehigh	7,800	7,700	61.2	471,000	2,355,000
Luzerne	1,100	1,000	50.3	50,300	251,500
Lycoming	1,900	1,800	47.1	84,700	423,500
Mercer	3,400	3,300	53.3	176,000	880,000
Montour	1,000	900	47.4	42,700	213,500
Northampton	3,300	3,300	61.8	204,000	1,020,000
Northumberland	2,800	2,700	55.6	150,000	750,000
Perry	4,300	3,300	49.1	162,000	810,000
Potter	800	600	72.3	43,400	217,000
Schuylkill	4,200	4,100	53.4	219,000	1,095,000
Snyder	1,400	1,300	50.0	65,000	325,000
Tioga	500	400	51.5	20,600	103,000
Union	1,700	1,500	57.0	85,500	427,500
York	18,900	18,600	59.1	1,099,000	5,495,000
Northwestern, Combined Counties	1,100	700	33.4	23,400	117,000
North Central, Combined Counties	1,600	300	43.0	12,900	64,500
Central, Combined Counties	1,900	1,700	50.6	86,000	430,000
East Central, Combined Counties	800	600	46.2	27,700	138,500
Southeastern, Combined Counties	900	800	39.0	31,200	156,000
Northwestern	8,600	7,700	48.1	370,000	1,850,000
North Central	5,900	4,100	54.4	223,000	1,115,000
West Central	10,200	8,900	54.4	484,000	2,420,000
Central	30,300	26,600	53.5	1,423,000	7,115,000
East Central	17,200	16,700	58.2	972,000	4,860,000
South Central	47,200	44,100	57.7	2,543,000	12,715,000
Southeastern	38,900	37,200	70.5	2,621,000	13,105,000
Combined Districts	6,700	4,700	45.5	214,000	1,070,000
Pennsylvania	165,000	150,000	59.0	8,850,000	44,250,000

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For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

The Commonwealth's five major fruit crops are comprised of apples, peaches, pears, tart cherries and grapes. These crops produced a total utilized weight of 655 million pounds, down 4 percent from 2010.

Apples - The 2011 commercial apple crop, utilized production, in Pennsylvania totaled 439 million pounds, down 7 percent from utilized production in 2010. The crop was valued at 79.7 million dollars, up 6 percent from the 2010 value. Pennsylvania ranked 4th nationally in utilized apple production.

Grapes - Pennsylvania's 2011 grape crop, utilized production, was 87,000 tons, up 6 percent from 2010. The total value of utilized production was 26.7 million dollars. The Commonwealth's utilized grape production ranked 5th nationally.

Pears - The utilized production of pears in Pennsylvania totaled 2,110 tons, down 8 percent from 2010. The utilized crop was valued at 2.1 million dollars. The Commonwealth ranked 6th nationally in utilized pear production.

Peaches - Utilized peach production in Pennsylvania totaled 17,290 tons in 2011, down 17 percent from 2010. The season-average price of \$1360 per ton was up \$210 from 2010. The total value of utilized production was 23.5 million dollars. Nationally, Pennsylvania ranked 5th in utilized peach production.

Tart Cherries - Utilized tart cherry production in Pennsylvania totaled 3.1 million pounds, up 48 percent from last year's crop. The season average price was 0.371 dollars per pound, compared with 0.257 dollars per pound in 2010. The total value of utilized production was 1.15 million dollars. Nationally, Pennsylvania ranked 6th in utilized production of tart cherries.

Pennsylvania: Fruit and Nuts, 2007 and 2002

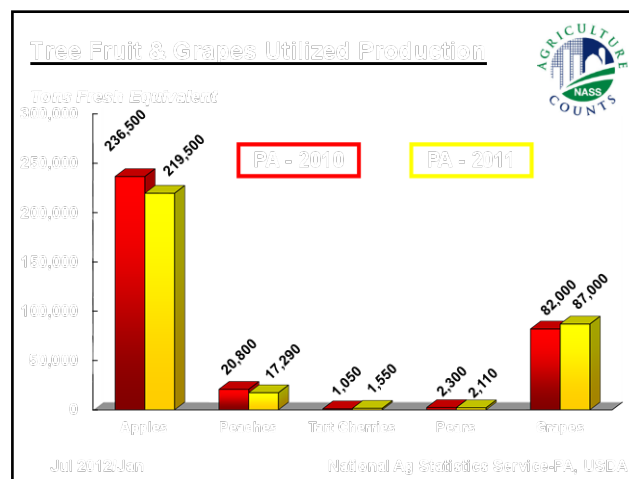
Data taken from the 2007 Census of Agriculture published February 4, 2009

Commodity	Total		Bearing age acres		Nonbearing age acres	
	Farms	Acres	Farms	Acres	Farms	Acres
Noncitrus, All						
2007	2,613	46,131	2,265	41,358	1,117	4,772
2002	2,299	49,859	1,776	42,219	1,259	7,640

Pennsylvania: Land in Berries, 2007

Data taken from the 2007 Census of Agriculture published February 4, 2009

State	Total		Irrigated	
	Farms	Acres	Farms	Acres
Pennsylvania	1,549	2,543	476	961



Pennsylvania: Fruit Crops - Acres, Production and Value, 1970-2011

Fruit and year	Bearing acres	Yield per Acre	Total production	Utilized production	Price per unit	Value of utilized production ¹
	(acres)	(pounds)	(million pounds)	(million pounds)	(dols./lb.)	(1,000 dols.)
Apples						
1970	n/a	n/a	540.0	510.0	0.038	19,329
1980	n/a	n/a	570.0	570.0	0.075	42,743
1990	25,000	18,000	450.0	450.0	0.142	63,708
2000	23,000	20,700	475.0	475.0	0.114	54,337
2007	20,800	22,600	470.0	467.0	0.142	66,489
2008	21,000	21,000	440.0	430.0	0.180	77,364
2009	21,000	24,300	510.0	483.0	0.139	67,127
2010	21,000	23,400	492.0	473.0	0.158	74,988
2011	21,000	21,800	458.0	439.0	0.182	79,739
Tart Cherries						
1970	n/a	n/a	14.0	14.0	0.078	1,092
1980	n/a	n/a	5.6	5.6	0.246	1,540
1990	1,800	1,940	3.5	3.3	0.282	931
2000	1,000	6,100	6.1	5.6	0.149	832
2007	600	5,830	3.5	3.5	0.398	1,392
2008	600	6,500	3.9	3.9	0.425	1,658
2009	600	6,500	3.9	3.9	0.250	974
2010	600	3,830	2.3	2.1	0.257	540
2011	550	5,820	3.2	3.1	0.371	1,150
Grapes		(tons)	(tons)	(tons)	(dols./ton)	
1970	n/a	n/a	45,000	45,000	147	6,615
1980	n/a	n/a	56,000	56,000	167	9,360
1990	10,000	5.30	53,000	53,000	285	15,098
2000	12,300	5.12	63,000	63,000	265	16,688
2007	13,600	6.18	84,000	84,000	266	22,362
2008	13,600	7.88	107,200	94,200	285	26,841
2009	13,600	4.71	64,000	62,000	293	18,136
2010	13,600	6.10	83,000	82,000	306	25,081
2011	13,600	6.69	91,000	87,000	306	26,657
Peaches						
1970	n/a	n/a	42,000	42,000	154	6,468
1980	n/a	n/a	52,500	52,500	290	15,225
1990	7,600	5.00	38,000	38,000	578	21,993
2000	5,700	5.25	30,000	29,000	574	16,650
2007	4,400	4.41	19,400	19,400	903	17,524
2008	4,400	4.82	21,200	21,200	1,020	21,528
2009	4,400	6.34	27,900	27,800	1,040	28,967
2010	4,400	4.82	21,200	20,800	1,150	23,881
2011	4,400	4.02	17,690	17,290	1,360	23,462
Pears						
1970	n/a	n/a	4,100	4,100	153	627
1980	n/a	n/a	3,500	3,500	299	1,046
1990	1,000	3.00	3,000	2,900	356	1,033
2000	1,000	4.60	4,600	4,400	509	2,241
2007	800	5.00	4,000	4,000	717	2,869
2008	800	3.00	2,400	2,400	744	1,786
2009	800	7.28	5,820	5,720	711	4,066
2010	800	3.00	2,400	2,300	1,100	2,533
2011	800	2.78	2,200	2,110	995	2,100

n/a = Data not available. ¹ Value of production based on final State marketing year average price.

Pennsylvania: Apples - Utilization and Price, 1970-2011

Year	Fresh Market			Processed		
	Quantity	Price	Value of production ¹	Quantity	Price	Value of production ¹
	(mil. lbs.)	(dols./lb.)	(1,000 dols.)	(mil. lbs.)	(dols./lb.)	(1,000 dols.)
1970	195.0	0.064	12,480	315.0	0.022	6,836
1980	207.8	0.129	26,806	362.2	0.044	15,937
1990	184.0	0.193	35,512	266.0	0.106	28,196
2000	127.0	0.247	31,369	348.0	0.066	22,968
2007	137.0	0.294	40,278	330.0	0.080	26,211
2008	160.0	0.277	44,320	270.0	0.123	33,044
2009	170.0	0.265	45,050	313.0	0.071	22,077
2010	190.0	0.258	49,020	283.0	0.092	25,876
2011	184.0	0.290	53,360	255.0	0.104	26,379

¹ Value of production based on final State marketing year average price.

Pennsylvania: Apples - Processing Utilization and Price, 1970-2011

Year	Canned			Juice & Cider			Other
	Quantity	Price	Value of production ¹	Quantity	Price	Value of production ¹	Quantity
	(mil. lbs.)	(dols./lb.)	(1,000 dols.)	(mil. lbs.)	(dols./lb.)	(1,000 dols.)	(mil. lbs.)
1970	225.1	0.024	5,312	78.9	0.016	1,278	11.0
1980	193.1	0.053	10,234	161.9	0.032	5,181	7.2
1990	208.0	0.117	24,336	51.0	0.061	3,111	7.0
2000	221.0	0.079	17,459	118.0	0.043	5,074	9.0
2007	230.0	0.083	19,090	90.0	0.070	6,300	10.0
2008	189.0	0.130	24,570	46.0	0.100	4,600	35.0
2009	225.0	0.081	18,113	78.0	0.043	3,315	10.0
2010	182.0	0.100	18,200	92.0	0.076	6,946	9.0
2011	177.0	0.113	19,913	68.0	0.080	5,440	10.0

¹ Value of production based on final State marketing year average price.

Pennsylvania: Grapes - Utilization and Price, 1970-2011

Year	Fresh Market			Processed		
	Quantity	Price	Value of production ¹	Quantity	Price	Value of production ¹
	(tons)	(dols./ton)	(1,000 dols.)	(tons)	(dols./ton)	(1,000 dols.)
1970	1,800	220	396	43,200	144	6,221
1980	2,000	360	720	54,000	160	8,640
1990	1,000	694	694	52,000	277	14,404
2000	1,500	465	698	61,500	260	15,990
2007	500	850	425	83,500	263	21,937
2008	1,500	700	1,050	92,700	278	25,791
2009	200	900	180	61,800	291	17,956
2010	300	1300	390	81,700	302	24,691
2011	400	1500	600	86,600	301	26,057

¹ Value of production based on final State marketing year average price.

Pennsylvania: Grapes - Processing Utilization and Price, 1970-2011

Year	Juice ¹			Wine		
	Quantity	Price	Value of production ¹	Quantity	Price	Value of production ²
	(tons)	(dols./ton)	(1,000 dols.)	(tons)	(dols./ton)	(1,000 dols.)
1970	36,230	140	5,072	1,720	n/a	n/a
1980	44,500	150	6,675	9,500	205	1,948
1990	44,000	271	11,924	8,000	312	2,496
2000	46,000	257	11,822	15,500	266	4,123
2007	69,000	216	14,904	14,500	485	7,033
2008	79,500	257	20,432	13,200	406	5,359
2009	53,400	265	14,151	8,400	453	3,805
2010	71,400	277	19,778	10,300	477	4,913
2011	74,800	272	20,346	11,800	484	5,711

¹ Includes small quantity of other processed (jam, jelly, etc.). ² Value of production based on final State marketing year average price.

Pennsylvania: Concord and Niagara Grapes - Processing Utilization, 1970-2011

Concord grapes			Niagara grapes	
Year	Quantity (tons)		Year	Quantity (tons)
1970	n/a		1970	n/a
1980	52,000		1980	n/a
1990	48,000		1990	n/a
2000	45,500		2000	4,050
2007	71,500		2007	5,600
2008	81,500		2008	6,200
2009	55,800		2009	3,300
2010	71,900		2010	6,300
2011	74,500		2011	6,800

Pennsylvania: Wine Grapes – Quantity, Price and Value of Sales, 2006-2007

Variety	2006			2007		
	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)
Concord	11,400	222	2,530,800	8,500	228	1,938,000
Niagara	500	265	132,500	600	260	156,000
Vinifera	1,300	1,876	2,360,700	1,400	1,830	2,562,000
Hybrid	1,600	775	1,240,000	2,500	780	1,950,000
Other	1,400	270	378,000	1,500	285	427,500
Total	16,200	410	6,642,000	14,500	485	7,033,500

Pennsylvania: Wine Grapes – Quantity, Price and Value of Sales, 2008-2009

Variety	2008			2009		
	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)
Concord	9,500	229	2,176,000	5,800	233	1,354,000
Niagara	200	364	73,000	300	593	178,000
Vinifera	900	1,633	1,469,600	700	1,849	1,294,000
Hybrid	1,000	890	890,000	600	850	510,000
Other	1,600	469	750,400	1,000	469	469,000
Total	13,200	406	5,359,000	8,400	453	3,805,000

Pennsylvania: Wine Grapes – Quantity, Price and Value of Sales, 2010-2011

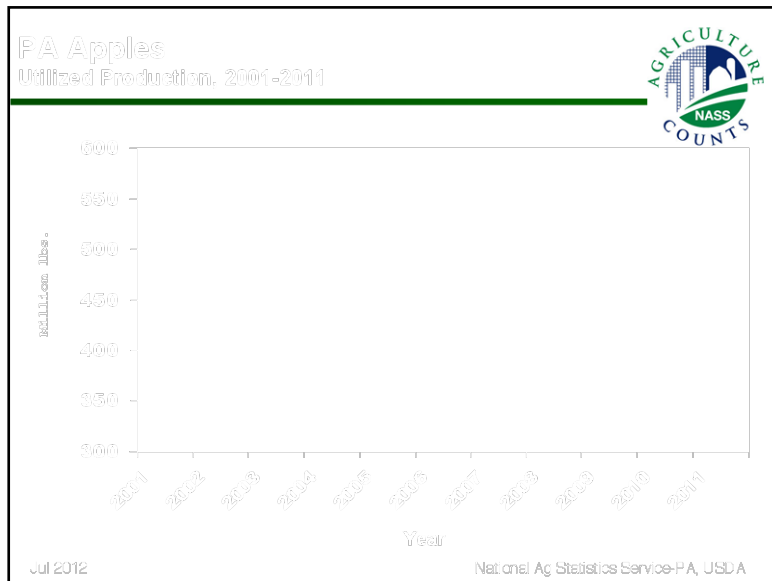
Variety	2010			2011		
	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)
Concord	6,900	241	1,663,000	7,500	265	1,989,000
Niagara	400	658	263,000	600	807	484,000
Vinifera	900	1,880	1,692,000	800	1,768	1,414,000
Hybrid	1,300	630	819,000	1,100	832	915,000
Other	800	595	476,000	1,800	505	909,000
Total	10,300	477	4,913,000	11,800	484	5,711,000



Pennsylvania: Apples - Utilized Production and Value, 2010-2011

County & District	2010		2011	
	Production (1,000 lbs.)	Value of production ¹ (dols.)	Production (1,000 lbs.)	Value of production ¹ (dols.)
Adams	295,400	46,774,300	269,100	48,878,800
Allegheny	1,200	190,000	1,000	181,600
Bedford	21,700	3,436,000	21,900	3,977,900
Berks	15,200	2,406,800	14,900	2,706,400
Bucks	1,900	300,900	-	-
Centre	2,500	395,900	2,100	381,400
Chester	1,000	158,300	1,100	199,800
Columbia	2,400	380,000	-	-
Cumberland	7,600	1,203,400	8,500	1,543,900
Dauphin	3,100	490,900	2,200	399,600
Franklin	49,000	7,758,800	43,200	7,846,800
Juniata	-	-	2,400	435,900
Lancaster	5,800	918,400	-	-
Lehigh	4,800	760,000	4,500	817,400
Luzerne	1,400	221,700	1,400	254,300
Mifflin	1,800	285,000	-	-
Schuylkill	5,300	839,200	-	-
Snyder	6,100	965,900	-	-
York	11,600	1,836,800	11,400	2,070,700
Northwestern, Combined Counties	4,200	665,000	4,100	744,700
North Central, Combined Counties	-	-	5,900	1,071,700
Northeastern, Combined Counties	-	-	1,400	254,300
West Central, Combined Counties	-	-	4,000	726,500
Central, Combined Counties	15,700	2,486,000	23,500	4,268,500
East Central, Combined Counties	1,000	158,300	4,900	890,000
Southwestern, Combined Counties	1,900	300,900	2,100	381,400
Southeastern, Combined Counties	2,300	364,200	9,400	1,707,400
Northwestern	4,200	665,000	4,100	744,700
North Central	-	-	5,900	1,071,700
Northeastern	-	-	1,400	254,300
West Central	-	-	4,000	726,500
Central	31,600	5,003,700	30,200	5,485,400
East Central	12,500	1,979,200	10,800	1,961,700
Southwestern	3,100	490,900	3,100	563,000
South Central	385,300	61,009,300	354,100	64,318,100
Southeastern	26,200	4,148,600	25,400	4,613,600
Combined counties/districts ²	10,100	1,599,300	-	-
Pennsylvania	473,000	74,896,000	439,000	79,739,000

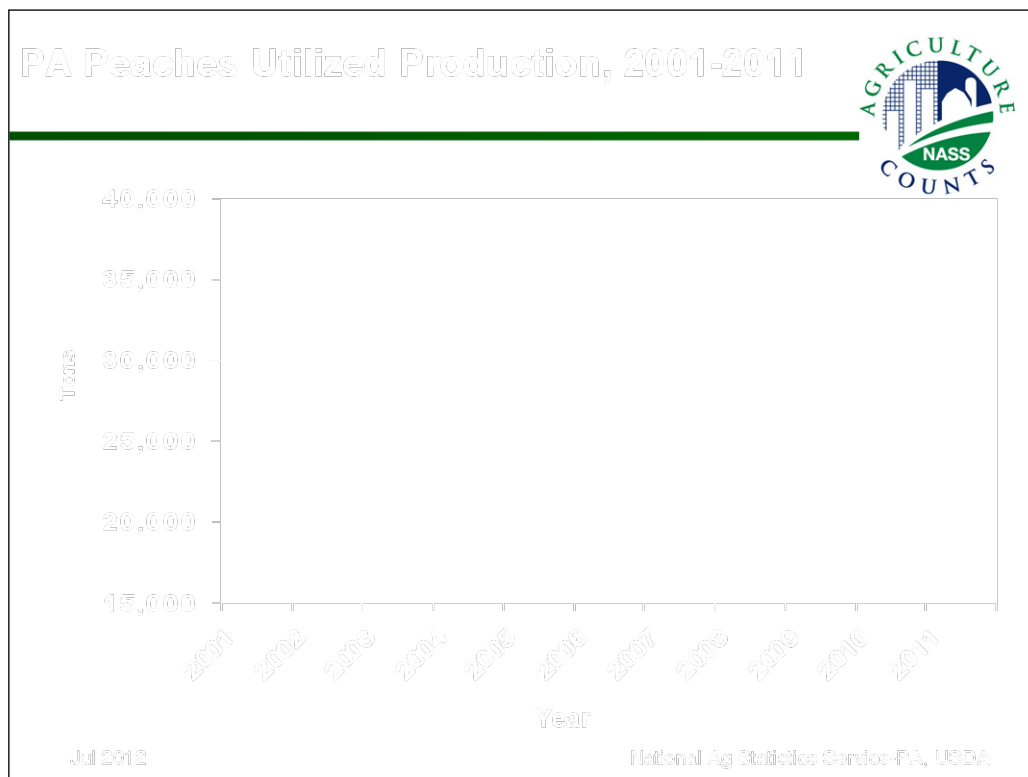
¹ Value of production based on final State marketing year average price. ² Counties/districts not shown separately included in 'Combined counties/districts'.



Pennsylvania: Peaches - Utilized Production and Value, 2010-2011

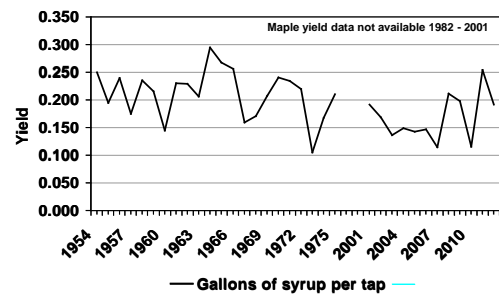
County & District	2010		2011	
	Production (tons)	Value of production ¹ (dols.)	Production (tons)	Value of production ¹ (dols.)
Adams	8,680	9,982,000	7,860	10,665,800
Berks	-	-	1,750	2,374,600
Lancaster	1,640	1,886,000	940	1,275,600
York	-	-	1,360	1,845,500
Central, Combined Counties	1,350	1,538,500	1,700	2,306,800
East Central, Combined Counties	-	-	900	1,221,300
South Central, Combined Counties	2,090	2,403,000	860	1,167,000
Southeastern, Combined Counties	2,720	3,115,000	830	1,126,300
Central	1,350	1,538,500	1,700	2,306,800
East Central	-	-	900	1,221,300
South Central	13,320	15,317,500	10,080	13,678,300
Southeastern	4,360	5,001,000	3,520	4,776,500
Combined counties/districts ²	1,770	2,024,000	1,090	1,479,100
Pennsylvania	20,800	23,881,000	17,290	23,462,000

¹ Value of production based on final State marketing year average price. ² Counties and districts not shown separately included in 'Combined counties/districts'.



Maple Syrup, Pennsylvania

Yield data (syrup per tap) began 1954



Jun 2012

National Ag Statistics Service-PA, USDA

Maple Syrup: Percent of Sales by Type and State, 2010-2011

State	Retail		Wholesale		Bulk	
	2010	2011	2010	2011	2010	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
CT	65	70	20	15	15	15
ME	1	4	1	4	98	92
MA	55	55	35	30	10	15
MI	49	45	24	15	27	40
NH	45	50	40	10	15	40
NY	28	29	15	11	57	60
OH	55	42	20	17	25	41
PA	69	43	9	27	22	30
VT	15	15	5	5	80	80
WI	39	30	13	13	48	57

Maple Syrup: Price by Type of Sales and Size of Container by State, 2010-2011 ¹

Type and State	Gallons		½ Gallons		Quarts		Pints		¼ Pints	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Retail										
CT	62.00	57.00	31.70	34.80	19.60	19.00	11.80	13.10	7.70	8.70
ME	50.10	53.10	28.40	30.80	15.40	16.60	9.55	10.00	5.90	5.90
MA	53.00	50.80	26.80	30.00	17.20	18.50	10.00	11.30	6.50	8.40
MI	42.00	45.50	22.60	24.60	12.90	13.70	7.80	8.40	5.10	5.20
NH	49.00	51.30	28.10	27.30	17.10	17.20	9.80	10.10	6.50	5.80
NY	42.80	44.70	24.00	25.00	15.00	15.60	8.90	9.40	5.35	6.05
OH	40.50	41.70	23.00	24.90	13.90	15.10	8.50	8.90	5.95	6.80
PA	39.70	41.00	22.70	23.20	13.70	13.90	8.25	8.00	5.45	5.00
VT	43.30	44.70	25.50	26.20	15.70	15.70	9.70	9.70	6.20	5.90
WI	38.10	39.00	21.50	23.50	11.80	12.30	7.50	7.40	5.70	5.30
Wholesale										
CT	59.00	(D)	29.50	25.00	14.40	14.00	10.70	8.00	4.90	5.10
ME	42.30	42.70	26.70	24.00	13.80	12.10	7.00	7.00	4.15	4.30
MA	44.00	45.70	24.70	24.40	14.30	13.70	8.00	8.30	5.10	5.20
MI	34.10	33.80	21.90	23.00	12.40	12.60	7.60	7.30	4.50	4.50
NH	45.70	38.70	25.30	23.30	13.00	13.20	7.10	8.20	3.80	4.60
NY	40.70	37.50	22.20	22.70	12.20	12.50	7.30	6.90	4.20	4.75
OH	34.30	36.00	21.20	22.70	11.30	13.10	7.55	7.90	4.05	5.00
PA	40.30	35.90	19.20	21.90	11.60	12.70	6.55	6.90	4.05	4.00
VT	37.00	39.40	23.10	23.90	12.80	13.70	7.60	8.10	4.60	5.00
WI	37.30	40.30	21.60	23.50	12.00	11.90	7.20	6.70	4.60	4.10
Type and State	Bulk all grades		Bulk all grades		Bulk all grades		Bulk all grades		All Sales	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
	(dollars per pound)	(dollars per pound)	(dollars per pound)	(dollars per pound)	(dollars per gallon)	(dollars per gallon)	(equivalent per gallon)	(equivalent per gallon)	(equivalent per gallon)	(equivalent per gallon)
Bulk										
CT ²	(D)	(D)	(D)	(D)	(D)	(D)	70.00	73.00		
ME	3.00	2.90	33.10	32.00	33.50	34.00				
MA	2.55	2.50	28.10	27.60	56.50	57.00				
MI	2.80	2.60	30.50	28.80	45.00	43.80				
NH	2.65	2.65	29.20	29.20	55.40	49.00				
NY	2.71	2.64	29.90	29.10	39.40	39.10				
OH	2.55	2.70	28.10	29.90	42.70	40.30				
PA	2.45	2.57	27.00	28.40	42.00	40.00				
VT	2.65	2.75	29.20	30.30	34.00	35.00				
WI	2.60	2.70	28.70	29.50	39.50	36.30				

¹ Prices for 2010 are revised. Prices for 2012 are not available until June 2012. (D) Withheld to avoid disclosing data for individual operations.

Pennsylvania: Maple Syrup Production and Value, 1980-2011

Year	Production	Value ¹	Year	Production	Value ¹	Year	Production	Value ¹
	(1,000 gallons)	(1,000 dollars)		(1,000 gallons)	(1,000 dollars)		(1,000)	(1,000 dollars)
1980	56	857	1997	63	1,638	2005	61	1,922
1981	62	1,042	1998	72	1,872	2006	66	2,145
1982 ²	-	-	1999	67	1,742	2007	55	1,738
1992	95	2,337	2000	47	1,335	2008	100	3,830
1993	40	964	2001	69	1,746	2009	92	3,505
1994	59	1,528	2002	60	1,602	2010	54	2,268
1995	43	1,079	2003	52	1,425	2011	128	5,120
1996	71	1,747	2004	60	1,740			

¹ Value of production based on final State marketing year average price. ² Survey was discontinued from 1982-1991.

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania growers led all states by producing 548.0 million pounds sold during the 2011-2012 growing season. This is a slight decrease from 2011's 548.2 million pounds.

Pennsylvania accounted for 62 percent of all U.S. production of Agaricus mushrooms, the conventional button variety responsible for most of the nation's sales. The state's fresh market sales tallied \$442.9 million, which is 46 percent of the nation's total fresh market sales. Pennsylvania had \$54.3 million, or 78 percent of the mushroom sales used in processing. This compares with last season's

sales of 48 and 77 percent, respectively.

Fresh market sales were 455.7 million pounds, an increase of 3 percent from 2010-2011 growing season. Processing sales, at 92.3 million pounds, were down 13 percent from last year.

During the 2011-2012 seasons, Pennsylvania growers received an average of 97.2 cents per pound for fresh market sales and 58.8 cents per pound for sales to processors. Prices for mushrooms are the average prices producers received at the point of first sale.

Statistics on specialty mushrooms grown in Pennsylvania are not published separately to avoid disclosure of individual operations. The data are included as part of the national statistics on specialty mushrooms.

Pennsylvania & U.S.: Agaricus Mushroom Sales By Type and Percent of Total, July 1-June 30, 2003-2012

Year	Pennsylvania					United States				
	Fresh Market		Processing		Total Production	Fresh Market		Processing		Total Production
	Volume of Sales	Percent	Volume of Sales	Percent		Volume of Sales	Percent	Volume of Sales	Percent	
	(1,000 lbs.)		(1,000 lbs.)		(1,000 lbs.)	(1,000 lbs.)		(1,000 lbs.)		(1,000 lbs.)
2003-04	363,305	78	101,322	22	464,627	703,496	84	137,666	16	841,162
2004-05	385,473	78	109,959	22	495,432	696,319	83	141,764	17	838,083
2005-06	390,887	79	101,539	21	492,426	704,584	85	129,093	15	833,677
2006-07	403,564	81	93,002	19	496,566	696,709	86	117,140	14	813,849
2007-08	404,971	82	91,750	18	496,721	679,686	85	117,662	15	797,348
2008-09	420,326	80	104,261	20	524,587	680,328	85	123,568	15	803,896
2009-10	408,770	82	92,458	18	501,228	669,955	86	107,109	14	777,064
2010-11	442,121	81	106,112	19	548,233	718,501	85	127,450	15	845,951
2011-12	455,688	83	92,278	17	547,966	771,427	87	110,430	13	881,857

Pennsylvania & Other States: Agaricus Mushrooms - Area, Sales, Price and Value, July 1-June 30, 2010-2012

State	Number of Growers	Area In Production		Volume of Sales	Price Per Pound ¹	Value of Sales
		Growing Area	Total Fillings			
	(number)	(1,000 sq. ft.)	(1,000 sq. ft.)	(1,000 lbs.)	(cents)	(1,000 dols.)
2010-2011						
Pennsylvania	68	16,687	81,855	548,233	0.885	485,309
Other States	41	10,582	52,411	297,718	1.610	478,883
United States	109	27,269	134,266	845,951	1.140	964,192
2011-2012						
Pennsylvania	67	16,267	81,576	547,966	0.907	497,188
Other States	38	11,009	57,755	333,891	1.620	541,971
United States	105	27,276	139,331	881,857	1.180	1,039,159

¹ Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold.

U.S.: Specialty Mushrooms - Number of Growers, Total Production, Volume of Sales, Price and Value of Sales by Variety, July 1, 2011 - June 30, 2012 ¹

Variety	Number of Growers ²	Total Production ³	All Sales		
			Volume of Sales ⁴	Price Per Pound ⁵	Value of Sales
	(number)	(1,000 lbs.)	(1,000 lbs.)	(dollars)	(1,000 dols.)
Shiitake	157	8,400	7,986	3.41	27,264
Oyster	76	7,476	7,005	2.55	17,876
Other	20	3,411	3,080	4.80	14,797
United States ⁶	189	19,287	18,071	3.32	59,937

¹ Specialty mushroom estimates represent growers who have at least 200 natural wood logs in production or some commercial indoor growing area, and \$200 in sales. ² Growers counted only once for US total if growing more than one specialty type mushroom. Growers growing Agaricus and specialty mushrooms are included. ³ Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.). ⁴ Virtually all specialty mushroom sales are for fresh market. ⁵ Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. ⁶ Arkansas, California, Colorado, Delaware, Florida, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

Pennsylvania: Agaricus Mushrooms - Area and Production, By County, 2011-2012 ¹

County	Number of Growers	Area In Production		Volume of Sales	Price per Pound	Value of Sales
		Growing Area	Total Fillings			
	(number)	(1,000 sq. ft.)	(1,000 sq. ft.)	(1,000 lbs.)	(cents)	(1,000 dols.)
Chester	60	12,400	60,900	399,000	0.917	366,000
Other Counties	7	3,867	20,676	148,966	0.881	131,188
Pennsylvania	67	16,267	81,576	547,966	0.907	497,188

¹ Counties not shown separately included in Other Counties.

Potato Summary, 2011

By Tyler D. Heep

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania's acreage of fall potatoes harvested in 2011 totaled 7,800 acres, down 1,200 acres from 2010. Yield per acre averaged 260 cwt, up 15 cwt from 2010. Production of fall potatoes for 2011 totaled 2,028,000 cwt, down 8 percent from the 2010 production of 2,205,000 cwt. The value of production was 24,539,000 dollars, down from 26,681,000 dollars in 2010.

Potato sales in 2011 totaled 1,932,000 cwt. In 2010, 1,969,000 cwt were sold. The average price received in 2011 was \$12.10 per cwt, the same price as in 2010. Of the total production, 196,000 cwt were used for seed, 33,000 cwt were used for feed or home use on the farm, and 63,000 cwt went to shrinkage and other losses. This is compared to 2010, when the total potatoes used for seed were 195,000 cwt, farm and home use were 159,000 cwt, and 77,000 cwt were lost to shrinkage or other losses.

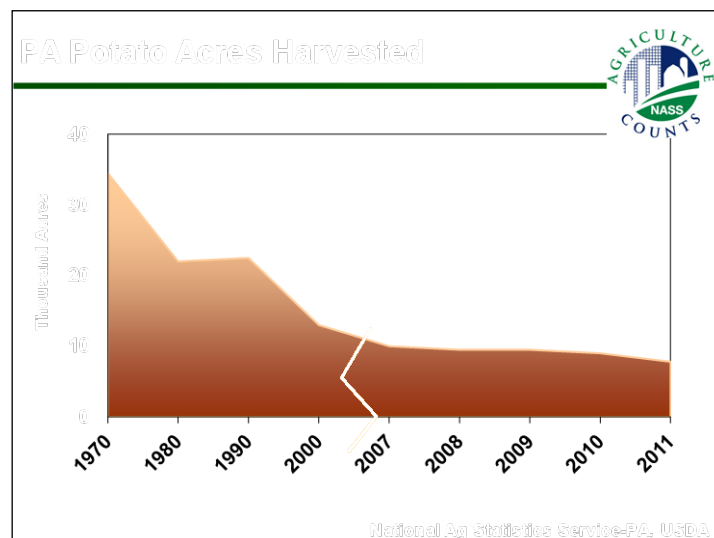
Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 1970-2011

Year	Planted (1,000 acres)	Harvested (1,000 acres)	Yield per acre (cwt.)	Production (1,000 cwt.)	Price per cwt. (dollars)	Value of	
						Production ¹ (1,000 dols.)	Sales (1,000 dols.)
1970	35.0	34.5	240	8,280	2.65	21,942	19,528
1980	23.0	22.0	190	4,180	7.90	33,022	29,807
1990	23.0	22.5	240	5,400	7.55	40,770	38,082
2000	13.5	13.0	270	3,510	7.75	27,203	25,583
2007	10.5	10.0	220	2,200	10.10	22,220	21,142
2008	10.0	9.5	265	2,518	13.30	33,489	32,341
2009	10.0	9.5	310	2,945	12.70	37,402	34,149
2010	9.5	9.0	245	2,205	12.10	26,681	23,788
2011	9.2	7.8	260	2,028	12.10	24,539	23,283

¹ Value of production based on final State marketing year average price.

Pennsylvania: Potato Production and Farm Disposition, 1970-2011

Year	Production (1,000 cwt.)	Total used for seed (1,000 cwt.)	Farm disposition		
			Where grown		Sold (1,000 cwt.)
			Seed, feed, home (1,000 cwt.)	Shrink and loss (1,000 cwt.)	
1970	8,280	621	249	662	7,369
1980	4,180	396	135	272	3,773
1990	5,400	399	76	280	5,044
2000	3,510	252	44	165	3,301
2007	2,200	226	18	92	2,090
2008	2,518	220	16	65	2,437
2009	2,945	160	7	245	2,693
2010	2,205	195	159	77	1,969
2011	2,028	196	33	63	1,932



Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 2011 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(cwt.)	(cwt.)	(dollars)
Schuylkill	1,600	1,340	283	379,000	4,585,900
Northwestern, Other Counties	1,800	1,610	286	460,000	5,566,000
East Central, Other Counties	900	600	220	132,000	1,597,200
Southeastern, Other Counties	700	620	339	210,000	2,541,000
Northwestern	1,800	1,610	286	460,000	5,566,000
East Central	2,500	1,940	263	511,000	6,183,100
Southeastern	700	620	339	210,000	2,541,000
Other counties/districts ³	4,200	3,630	233	847,000	10,248,700
Pennsylvania	9,200	7,800	260	2,028,000	24,539,000

¹ Counties not shown separately included in 'Other Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on final State marketing year average price, released in the September **Potatoes Summary** report published by USDA, NASS. ³ Districts not shown separately included in 'Other counties/districts'.

Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 2010 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(cwt.)	(cwt.)	(dollars)
Schuylkill	1,900	1,800	289	520,000	6,292,000
Northwestern, Other Counties	1,700	1,600	284	454,000	5,493,400
West Central, Other Counties	500	500	264	132,100	1,598,410
Central, Other Counties	2,800	2,600	217	565,000	6,836,500
East Central, Other Counties	800	700	144	101,000	1,222,100
South central, Other Counties	600	600	257	153,900	1,862,190
Southeastern, Other Counties	700	700	223	156,400	1,892,440
Northwestern	1,700	1,600	284	454,000	5,493,400
West Central	500	500	264	132,100	1,598,410
Central	2,800	2,600	217	565,000	6,836,500
East Central	2,700	2,500	248	621,000	7,514,100
South central	600	600	257	153,900	1,862,190
Southeastern	700	700	223	156,400	1,892,440
Other counties/districts ³	500	500	245	122,600	1,483,460
Pennsylvania	9,500	9,000	245	2,205,000	26,680,500

¹ Counties not shown separately included in 'Other Counties' for that specific district. The district map and county listing can be found on the inside back cover of this publication. ² Value of production based on final State marketing year average price, released in the September **Potatoes Summary** report published by USDA, NASS. ³ Districts not shown separately included in 'Other counties/districts'.



For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania: Southern MD Type 32, PA Seedleaf Type 41, and Burley Type 31 Acreage, Yield, Production and Value, 1970-2011

Year and Type	Harvested (acres)	Yield per acre (pounds)	Production (1,000 pounds)	Value of production ¹ (1,000 dollars)
1970	17,000	1,800	30,600	9,486
1980	13,000	1,900	24,700	21,489
1990	10,000	1,978	19,780	29,825
2000	5,100	1,994	10,170	4,617
2006 ²	7,900	2,125	16,790	27,130
2007 ⁴	7,900	2,318	18,310	26,219
2008 ⁴	7,900	2,232	17,630	24,040
2009	8,200	2,276	18,660	31,239
2010	8,500	2,349	19,965	33,445
2011	9,700	2,129	20,655	35,314
2011:				
PA Seedleaf Type 41	1,700	2,150	3,655	6,214
Southern MD Type 32 ⁴	3,000	2,000	6,000	9,300
Burley Type 31 ³	5,000	2,200	11,000	19,800

¹ Value of production based on final State marketing year average price. ² In 2005, Pennsylvania farmers began growing Burley type tobacco in addition to the Southern MD and PA Seedleaf types. ³ Estimate began in 2005. ⁴ Price and value exclude Southern MD Type tobacco to avoid disclosure of individual operations.

Pennsylvania: PA Seedleaf Type 41 Tobacco Production, Stocks, Supplies, Disappearance and Prices, 1996-2008

Year ¹	Supply				Average price (cents/lb.)
	Production (million pounds)	Beginning stocks (million pounds)	Total supply (million pounds)	Total disappearance (million pounds)	
1996	10.3	17.9	28.2	15.0	155.0
1997	10.8	13.2	24.0	11.0	160.0
1998	9.5	13.0	22.1	10.7	130.0
1999	5.9	11.4	17.3	7.8	130.0
2000	5.0	9.5	14.6	2.5	²
2001	4.1	12.1	16.2	4.0	165.0
2002	4.4	12.3	16.7	6.0	145.0
2003	5.3	10.7	15.9	6.2	140.0
2004	4.1	9.7	13.9	4.0	145.0
2005	2.9	9.9	12.8	2.0	145.0
2006 ³	2.6	10.8	13.4	6.4	155.0
2007 ⁴	4.0	7.0	11.0	-	-
2008 ⁵	-	-	-	-	-

Source: USDA, Agricultural Marketing Service and Economic Research Service. ¹ October 1. ² PA Seedleaf Type 41 price not published and not included in total value of production. ³ Subject to revision. ⁴ October 2007 crop estimate. ⁵ Publication has been discontinued.



Pennsylvania: PA Seedleaf and Southern MD Tobacco Acreage, Yield, Production and Value, 1970-2011

Year	PA Seedleaf Type 41				Southern MD Type 32			
	Harvested	Yield per acre	Production	Value of production ¹	Harvested	Yield per acre	Production	Value of production ¹
	(acres)	(lbs.)	(1,000 lbs.)	(1,000 dols.)	(acres)	(lbs.)	(1,000 lbs.)	(1,000 dols.)
1970	17,000	1,800	30,600	9,486	-	-	-	-
1980	13,000	1,900	24,700	21,489	-	-	-	-
1990	6,400	2,050	13,120	18,237	3,600	1,850	6,660	11,588
2000	2,400	2,100	5,040	-	2,700	1,900	5,130	4,617
2006 ²	1,300	2,000	2,600	4,030	1,100	1,900	2,090	3,135
2007 ³	1,800	2,300	4,140	6,831	1,100	2,200	2,420	-
2008 ³	1,800	2,200	3,960	6,732	1,800	2,100	3,780	-
2009	2,000	2,200	4,400	7,480	2,100	2,300	4,830	7,728
2010	2,100	2,350	4,935	8,636	2,200	2,250	4,950	7,673
2011	1,700	2,150	3,655	6,214	3,000	2,000	6,000	9,300

¹ Value of production based on final State marketing year average price. ² In 2001, Pennsylvania farmers began growing other tobacco in addition to the Maryland and Pennsylvania types. ³ Price and value for Southern MD tobacco excluded to avoid disclosure of individual operations.

Pennsylvania: Other and Burley Tobacco Acreage, Yield, Production and Value, 1970-2011

Year	Other tobacco ¹				Burley Type 31 ³			
	Harvested	Yield per acre	Production	Value of production ²	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(lbs.)	(1,000 lbs.)	(1,000 dols.)	(acres)	(lbs.)	(1,000 lbs.)	(1,000 dols.)
1970	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-
1990	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-
2006 ³	-	-	-	-	5,500	2,200	12,100	19,965
2007	-	-	-	-	5,000	2,350	11,750	19,388
2008	-	-	-	-	4,300	2,300	9,890	17,308
2009	-	-	-	-	4,100	2,300	9,430	16,031
2010	-	-	-	-	4,200	2,400	10,080	17,136
2011	-	-	-	-	5,000	2,200	11,000	19,800

¹ Varieties other than Maryland and Pennsylvania types. ² Value of production based on final State marketing year average price. ³ In 2005, Pennsylvania farmers began growing Burley tobacco in addition to the Maryland and Pennsylvania types.

Pennsylvania: Southern MD Type 32, PA Seedleaf Type 41, and Burley Type 31 Tobaccos By County – Acreage, Yield, Production and Value, 2011

County	Harvested	Yield	Production	Value of production ^{1 2}
	(acres)	(lbs.)	(1,000 lbs.)	(1,000 dols.)
Chester	1,000	2,118	2,118	3,703
Lancaster	7,490	2,147	16,080	27,465
Other Counties	1,210	2,031	2,457	4,146
Pennsylvania	9,700	2,129	20,655	35,314

¹ Value of production based on final State marketing year average price. ² Values may not add due to rounding.

Commercial Vegetable Production, 2011

By Mark A. Linstedt

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Production: Pennsylvania's total production of both fresh market and processing principal vegetables for 2011 was 161,480 tons. Fresh market production in 2011 was down 13 percent and processing was up 39 percent.

Sweet corn production decreased 13 percent for fresh market. Fresh market tomato production decreased 32 percent from 2010. Strawberry production was down 29 percent, while snap bean production for processing increased 34 percent from a year ago. Total pumpkin production for fresh market and processing was 1,026,000 cwt., up 6 percent from 2010.

Yield: Sweet corn yields decreased 6 percent for fresh market. Tomato yields decreased 17 percent for fresh market compared to the previous year level. Strawberry

yields decreased 22 percent; snap bean yields for processing increased 3 percent from 2010.

Acreage: Total harvested acreage for fresh market vegetables and snap beans for processing was 35,950 acres. Fresh market harvested acreage decreased 11 percent to 22,550 and snap beans for processing harvested acreage was up 4,000 acres from a year ago.

Value: The combined value of both fresh and processing vegetables was \$78,065,000. The fresh market section totaled \$65,361,000, down 12 percent. Fresh market prices per hundredweight were higher for cabbage, cantaloups, sweet corn and strawberries, but lower for pumpkins and tomatoes. Processing vegetable prices per ton were higher for snap beans.



Pennsylvania: Vegetables Harvested for Sale, 2007 and 2002

Data taken from the 2007 Census of Agriculture published February 4, 2009, www.agcensus.usda.gov

Crop	2007						2002	
	Total harvested		Harvested for processing		Harvested for fresh market		Total harvested	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
VEGETABLES HARVESTED FOR SALE ¹	4,338	55,655	443	17,217	4,147	38,439	3,478	48,698
0.1 to 0.9 acres	803	(D)	75	26	758	(D)	525	(D)
1.0 to 4.9 acres	1,890	4,003	125	104	1,865	3,899	1,366	2,978
5.0 to 14.9 acres	963	7,808	64	(D)	956	(D)	907	7,397
15.0 to 24.9 acres	255	4,738	30	412	237	4,326	265	4,907
25.0 to 49.9 acres	205	7,014	41	1,234	175	5,780	227	7,776
50.0 to 99.9 acres	117	7,707	44	2,447	84	5,260	103	6,814
100.0 to 249.9 acres	76	11,375	46	6,477	50	4,898	65	9,120
250.0 to 499.9 acres	21	6,713	12	2,926	16	3,787	14	5,236
500.0 to 749.9 acres	6	3,660	4	1,992	4	1,668	5	3,042
750.0 to 999.9 acres	-	-	-	-	-	-	-	-
1,000.0 acres or more	2	(D)	2	(D)	2	(D)	1	(D)

- Represents zero. (D) Withheld to avoid disclosing data for individual farms. ¹ The acres of vegetables harvested is the summation of the acres of individual vegetables harvested. When more than one vegetable crop was harvested from the same acreage, acres were counted for each crop. In 2007, ginseng, potatoes, and sweet potatoes are included in vegetables harvested. In 2002, these data, where compared, were not adjusted to include ginseng, potatoes, and sweet potatoes acreage.

Pennsylvania: Principal Vegetables for Fresh Market, 1970-2011

Crop	Year	Area planted	Area harvested	Yield per acre	Production	Value	
						Per cwt.	Total
		(acres)	(acres)	(cwt)	(1,000 cwt)	(dollars)	(1,000 dollars)
Cabbage ¹	1970	n/a	3,000	230	690	2.83	1,953
	1980	3,200	2,900	132	383	9.27	3,550
	1990	n/a	n/a	n/a	n/a	n/a	n/a
	2000	2,200	1,800	170	306	17.00	5,202
	2007	1,200	1,200	270	324	14.20	4,601
	2008	1,200	1,200	240	288	14.70	4,234
	2009	1,200	1,200	220	264	18.90	4,990
	2010	1,200	1,200	330	396	15.00	5,940
	2011	1,200	1,000	155	155	20.60	3,193
Cantaloups ²	1970	n/a	n/a	n/a	n/a	n/a	n/a
	1980	n/a	n/a	n/a	n/a	n/a	n/a
	1990	n/a	n/a	n/a	n/a	n/a	n/a
	2000	1,200	1,100	130	143	16.30	2,331
	2007	900	900	160	144	33.50	4,824
	2008	900	900	125	113	30.00	3,390
	2009	1,000	900	170	153	28.00	4,284
	2010	1,000	1,000	145	145	24.30	3,524
	2011	990	950	195	185	28.10	5,199
Sweet corn	1970	n/a	11,300	60	678	5.46	3,702
	1980	17,500	16,100	48	773	11.50	8,890
	1990	19,000	18,200	49	892	18.20	16,234
	2000	20,600	18,900	51	964	23.40	22,558
	2007	15,900	14,900	62	924	32.60	30,122
	2008	15,700	14,900	83	1,237	35.40	43,790
	2009	15,400	14,400	68	979	36.30	35,538
	2010	16,200	14,100	67	945	28.30	26,744
	2011	15,200	13,000	63	819	37.30	30,549
Pumpkins ³	1970	n/a	n/a	n/a	n/a	n/a	n/a
	1980	n/a	n/a	n/a	n/a	n/a	n/a
	1990	n/a	n/a	n/a	n/a	n/a	n/a
	2000	7,000	6,400	170	1,090	9.00	9,810
	2007	8,100	7,800	120	936	23.90	22,370
	2008	7,100	6,700	185	1,240	16.10	19,964
	2009	6,700	6,300	130	819	15.50	12,695
	2010	6,800	6,700	145	972	17.00	16,524
	2011	6,900	5,700	180	1,026	14.20	14,569
Tomatoes	1970	n/a	2,800	105	294	6.93	2,037
	1980	3,900	3,800	120	456	13.40	6,110
	1990	5,100	4,700	130	611	19.90	12,159
	2000	4,200	4,000	210	840	30.00	25,200
	2007	2,000	2,000	210	420	62.40	26,208
	2008	1,900	1,600	220	352	57.10	20,099
	2009	2,200	1,700	170	289	74.10	21,415
	2010	2,300	2,300	110	253	84.00	21,252
	2011	2,400	1,900	91	173	68.50	11,851
Strawberries	1970	n/a	1,300	36	47	38.00	1,786
	1980	1,600	1,600	39	62	72.60	4,501
	1990	1,700	1,700	43	73	105.00	7,665
	2000	1,300	1,300	50	65	108.00	7,020
	2007	1,200	1,200	47	56	187.00	10,472
	2008	1,200	1,200	61	73	211.00	15,403
	2009	1,100	1,100	59	65	208.00	13,520
	2010	1,100	1,100	51	56	207.00	11,592
	2011	990	990	40	40	212.00	8,480

¹ Estimates discontinued from 1982- 1991. ² Estimates began in 1992. ³ Includes processing total for dual usage crops. Estimates began in 2000.

Pennsylvania: Snap Beans for Processing, 1970-2011

Crop	Year	Area planted	Area harvested	Yield per acre	Production	Farm value	
						Per ton	Total
		(acres)	(acres)	(tons)		(dollars)	(1,000 dollars)
Snap beans	1970	n/a	5,800	2.00	11,600	101.00	1,172
	1980	6,100	5,900	1.55	9,150	175.00	1,601
	1990	8,700	8,500	2.93	24,910	212.00	5,281
	2000	8,700	8,300	3.31	27,450	216.00	5,936
	2007	10,900	10,800	3.07	33,170	239.00	7,941
	2008	10,700	10,700	3.48	37,250	271.00	10,099
	2009	7,200	7,000	3.95	27,660	256.00	7,070
	2010	12,000	11,400	2.75	31,360	272.00	8,545
	2011	16,600	15,400	2.83	43,580	292.00	12,704

For the complete report with many more details, search on the keyword 'floriculture' at www.nass.usda.gov

A special "THANK YOU" to greenhouse operators and floriculture producers who have helped by completing the annual Commercial Floriculture Survey during February and March.

In 2010, the greenhouse and nursery industry comprised 6 percent of all cash receipts received by agricultural producers in Pennsylvania. The annual Commercial Floriculture Survey measures one portion of this important sector of the agricultural economy.

There were 709 growers in 2011, compared to 709 growers in 2010. The 2011 wholesale value of sales by commercial flower and foliage producers in Pennsylvania totaled \$155.1 million, down 3 percent from 2010. Pennsylvania ranked 10th nationally in wholesale sales of floriculture crops.

All values in the following tables are **wholesale equivalent** value of sales; they were derived by multiplying the average wholesale price by the total quantity sold.

The value of sales at wholesale of total bedding or garden plants for operations with over \$100,000 in sales was \$72.6 million, down \$2.1 million from 2010.

The total covered growing area for Pennsylvania in 2011 was 19.7 million square feet, down 2 percent from 2010. Covered growing area included: glass greenhouses, 1.7 million square feet; fiberglass and other rigid greenhouses, 2.0 million square feet; film plastic (single/multi) greenhouses, 15.8 million square feet; and shade and temporary cover, 201,000 square feet. Growers also used 558 acres of open ground in 2011.

About the Survey: The Commercial Floriculture Survey is conducted annually by USDA's National Agricultural Statistics Service (NASS) in 15 states. It is a "census" of all known operations with more than \$10,000 in floriculture sales. For operations with more than \$100,000 in sales, detailed data is collected about specific varieties.

Data summarized in the tables showing grower numbers and growing area represent all growers having sales of \$10,000 or more.

The results of the survey are available to the public. Associations use these statistics when working with policy makers at the state and national levels. University extension specialists justify research grants and other activities with statistics that describe the size and importance of the industry in each state. Banks and other lending institutions often use the data when evaluating loan applications. Individual producer data is kept strictly confidential and used only in combination with other reports to prepare state and national statistics. Individual information is exempted from disclosure under the Freedom of Information Act.



**Pennsylvania: Number of Growers,
Reported Gross Value of Sales, 2010-2011**

Value of Sales	2010	2011
	<i>Number</i>	
\$10,000 - \$19,999	89	81
\$20,000 - \$39,999	138	134
\$40,000 - \$49,999	63	77
\$50,000 - \$99,999	215	221
\$100,000 - \$499,999	152	155
\$500,000 or More	52	41
TOTAL	709	709
	<i>1,000 Dollars</i>	
Expanded wholesale value ¹	159,793	155,063

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the mid-point of each dollar value range.

**Pennsylvania: Growing Area by Type of Cover,
All Operations with \$10,000+ Sales, 2010-2011**

Type of Cover	2010	2011
	<i>Number</i>	
Total number of growers	709	709
	<i>1,000 Square Feet</i>	
Glass greenhouses	1,673	1,724
Fiberglass & other rigid greenhouses	1,973	2,012
Film plastic (single/multi) greenhouses	16,237	15,767
TOTAL GREENHOUSE COVER	19,883	19,503
Shade and temporary cover	213	201
TOTAL COVERED AREA	20,096	19,704
	<i>Acres</i>	
Open ground	475	558

Pennsylvania: Growing Area by Type of Cover,
All Operations with \$100,000+ Sales, 2010-2011

Type of Cover	2010	2011
Total number of growers	<i>Number</i>	
	204	196
	<i>1,000 Square Feet</i>	
	1,399	1,444
Glass greenhouses	1,422	1,489
Fiberglass & other rigid greenhouses	12,321	11,917
Film plastic (single/multi) greenhouses	15,142	14,850
TOTAL GREENHOUSE COVER	124	112
Shade and temporary cover	15,266	14,962
TOTAL COVERED AREA	<i>Acres</i>	
Open ground	292	357

Pennsylvania: Floriculture Crops - Wholesale Value of Sales
by Category for Operations with \$100,000+ Sales, 2010-2011

Category	2010	2011
<i>1,000 Dollars</i>		
Annual bedding/garden plants	(²)	(²)
Herbaceous perennial plants	(²)	(²)
Total bedding/garden plants ¹	74,686	72,586
Total potted flowering plants	29,007	27,303
Total foliage for indoor or patio use	2,593	3,336
Total cut flowers	(²)	(²)
Propagative materials	22,379	20,149

¹ Includes annual bedding plants and herbaceous perennials.

² Included in Other States to avoid disclosing individual operations.

Pennsylvania: Potted Flowering Plants - Producers and Pots Sold for Operations with \$100,000+ Sales, 2010-2011

Flower Type	Producers		Quantity Sold				Percent of Sales at Wholesale		Wholesale Price				Value of All Sales at Wholesale ¹	
	2010	2011	Less Than 5 Inch		5 Inch or More				Less Than 5 Inch		5 Inch or More			
			2010	2011	2010	2011	2010	2011	2010	2011	2010	2011		
	Number		1,000 Pots				Percent		Dollars per Pot				1,000 Dollars	
African Violets	11	12	69	40	(²)	(²)	98	96	1.87	1.81	(²)	(²)	129	72
Finished florist azaleas	17	16	(²)	(²)	9	8	47	44	(²)	(²)	9.31	10.63	84	85
Florist chrysanthemums	45	40	170	398	97	(²)	89	94	3.04	3.60	4.68	(²)	971	1,434
Easter lilies	58	53	-	(²)	621	705	96	97	-	(²)	3.81	3.71	2,366	2,617
Poinsettias	94	88	504	501	1,553	1,531	88	90	1.56	1.52	4.36	4.19	7,557	7,176
Spring flowering bulbs	60	53	1,572	1,531	4,142	4,066	98	99	1.40	1.38	2.99	2.93	14,585	14,026
Other flowering plants	67	64	233	252	254	241	76	72	2.07	2.03	4.98	5.12	1,747	1,745

¹ Equivalent wholesale value of all sales. ² Quantity and price combined into pot size with greatest production to avoid disclosing data of individual operations.

Pennsylvania: Foliage Plants for Indoor or Patio Use, Potted Foliage - Producers,
Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2010-2011

Producers		Percent of Sales at Wholesale		Value of Sales at Wholesale ¹	
2010	2011	2010	2011	2010	2011
<i>Number</i>		<i>Percent</i>		<i>1,000 Dollars</i>	
33	27	93	79	1,621	2,107

¹ Equivalent wholesale value of sales.

Pennsylvania: Foliage Plants for Indoor or Patio Use Foliage Hanging Basket - Producers,
Quantity Sold, Price and Value for Operations with \$100,000 + Sales, 2010-2011

Producers		Total Quantity Sold		Percent of Sales at Wholesale		Wholesale Price		Value of Sales at Wholesale ¹	
2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
<i>Number</i>		<i>1,000 Baskets</i>		<i>Percent</i>		<i>Dollars Per Basket</i>		<i>1,000 Dollars</i>	
50	50	151	181	85	88	6.44	6.79	972	1,229

¹ Equivalent wholesale value of sales.



Pennsylvania: Potted Herbaceous Perennials - Price and Value for Operations with \$100,000+ Sales, 2010-2011

Flower Type	Year	Producers	Quantity Sold					Percent of Sales at Wholesale	Wholesale Price					Value of All Sales at Wholesale ¹
			Less Than 5 Inch	5 Inch or More	Less Than 1 Gallon	1 to 2 Gallon	2 Gallon & Larger		Less Than 5 Inch	5 Inch or More	Less Than 1 Gallon	1 to 2 Gallon	2 Gallon & Larger	Total
		<i>Number</i>	<i>1,000 Pots</i>					<i>Percent</i>	<i>Dollars Per Pot</i>					<i>1,000 Dollars</i>
Hardy/garden Chrysanthemums	2010	122	309	2,183	-	-	-	80	0.91	2.30	-	-	-	5,302
	2011	115	262	2,056	-	-	-	82	0.98	2.12	-	-	-	4,615
Hostas	2010	73	-	-	33	67	8	66	-	-	2.18	5.08	6.54	465
	2011	74	-	-	38	64	2	66	-	-	2.70	4.70	5.96	415
Other herbaceous perennials	2010	(²)	-	-	(²)	(²)	(²)	(²)	-	-	(²)	(²)	(²)	(²)
	2011	(²)	-	-	(²)	(²)	(²)	(²)	-	-	(²)	(²)	(²)	(²)

¹ Equivalent wholesale value of all sales. ² Included in Other States to avoid disclosing individual operations.

Pennsylvania: Annual Bedding/Garden Plants Flats (Only) - Producers, Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2010-2011

Annual Bedding/Garden Plants	Year	Producers	Total Quantity Sold	Percent of Sales at Wholesale	Wholesale Price	Value of Sales at Wholesale ¹
<i>Flats (ONLY)</i>		<i>Number</i>	<i>1,000 Flats</i>	<i>Percent</i>	<i>Dollars per Flat</i>	<i>1,000 Dollars</i>
Begonias	2010	135	126	72	8.57	1,080
	2011	127	115	76	8.68	998
Geraniums from vegetative cuttings	2010	(²)	(²)	(²)	(²)	(²)
	2011	(²)	(²)	(²)	(²)	(²)
Geraniums from seeds	2010	17	3	47	13.34	40
	2011	17	6	48	10.28	62
New Guinea Impatiens	2010	18	24	46	13.26	318
	2011	14	16	67	13.47	216
Impatiens	2010	142	417	74	8.87	3,699
	2011	134	396	76	8.92	3,532
Marigolds	2010	140	234	72	8.52	1,994
	2011	130	209	77	8.53	1,783
Pansies/Violas	2010	139	219	75	8.74	1,914
	2011	133	201	80	8.63	1,735
Petunias	2010	140	278	70	7.96	2,213
	2011	134	271	73	7.99	2,165
All other flowering & foliar plants	2010	136	683	72	9.35	6,386
	2011	117	610	77	9.45	5,765
Vegetable type plants	2010	130	365	72	11.92	4,351
	2011	121	491	81	12.14	5,961

¹ Equivalent wholesale value of all sales. ² Included in Other States to avoid disclosing individual operations.



Pennsylvania: Annual Bedding/Garden Plants Potted (Only) - Producers, Quantity, Price and Value for Operations with \$100,000+ Sales, 2010-2011

Annual Bedding/Garden Plants	Year	Producers	Quantity Sold		Total	Percent of Sales at Wholesale	Wholesale Price		Value of Sales at Wholesale ¹
			Less Than 5 Inch	5 Inch or More			Less Than 5 Inch	5 Inch or More	
<i>Potted Plants (ONLY)</i>		<i>Number</i>	<i>1,000 Pots</i>			<i>Percent</i>	<i>Dollars Per Pot</i>		<i>1,000 Dollars</i>
Begonias	2010	95	637	76	713	90	1.10	1.77	835
	2011	96	621	86	707	88	1.09	2.20	866
Geraniums from vegetative cuttings	2010	150	2,584	331	2,915	80	1.64	3.89	5,525
	2011	145	2,516	332	2,848	81	1.64	3.56	5,308
Geraniums from seeds	2010	56	982	29	1,011	84	0.88	1.71	914
	2011	45	949	46	995	88	0.80	1.70	837
New Guinea Impatiens	2010	147	522	80	602	65	1.82	3.00	1,190
	2011	146	507	91	598	69	1.82	3.06	1,201
Impatiens	2010	63	1,283	436	1,719	98	0.73	2.50	2,027
	2011	64	1,280	434	1,714	98	0.72	2.51	2,011
Marigolds	2010	41	684	92	776	98	0.74	1.41	636
	2011	39	681	90	771	98	0.74	1.40	630
Pansies/Violas	2010	57	671	170	841	97	0.86	1.94	907
	2011	59	1,041	192	1,233	98	0.91	2.01	1,333
Petunias	2010	96	1,257	319	1,576	90	1.02	2.08	1,946
	2011	99	1,302	317	1,619	91	0.99	2.11	1,958
All other flowering & foliar plants	2010	128	2,948	1,352	4,300	81	1.14	3.37	7,917
	2011	116	3,083	1,383	4,466	83	1.17	3.30	8,171
Vegetable type plants	2010	105	1,634	565	2,199	77	1.50	2.54	3,886
	2011	102	1,672	401	2,073	77	1.51	2.64	3,583

¹ Equivalent wholesale value of all sales.

Pennsylvania: Annual Bedding/Garden Plants Hanging Baskets (Only) - Producers, Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2010-2011

Annual Bedding/Garden Plants	Year	Producers	Total Quantity Sold	Percent of Sales at Wholesale	Wholesale Price	Value of Sales at Wholesale ¹
<i>Hanging Baskets (ONLY)</i>		<i>Number</i>	<i>1,000 Baskets</i>	<i>Percent</i>	<i>Dollars per Basket</i>	<i>1,000 Dollars</i>
Begonias	2010	88	91	78	5.95	541
	2011	87	96	74	5.58	536
Geraniums from vegetative cuttings	2010	108	150	78	7.64	1,146
	2011	101	145	80	7.63	1,106
Geraniums from seeds	2010	9	4	42	12.33	49
	2011	10	3	49	12.31	37
New Guinea Impatiens	2010	106	176	80	7.17	1,262
	2011	101	189	84	6.77	1,280
Impatiens	2010	74	121	86	5.65	684
	2011	72	113	88	5.65	638
Pansies/Violas	2010	39	35	68	6.00	210
	2011	42	30	79	6.10	183
Petunias	2010	120	393	60	5.25	2,063
	2011	114	361	69	5.41	1,953
All other flowering & foliar plants	2010	125	574	64	7.32	4,202
	2011	112	514	66	7.13	3,665

¹ Equivalent wholesale value of all sales.

Pennsylvania: Propagative (Unfinished) Floriculture Materials - Total Value of Sales by Category for Operations with \$100,000+ Sales, 2010-2011

Year	Potted Flowering Plants	Annual Bedding/ Garden Plants	Herbaceous Perennial Plants
	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
2010	(¹)	4,464	17,497
2011	928	3,142	15,984

¹ Included in Other States to avoid disclosing data of individual operations.

Pennsylvania is Ranked 10th in U.S. Horticultural Specialty Crops Total Value of Sales

This is a brief summary of the 2009 Census of Horticultural Specialties. The complete report contains over 500 pages of information. It can be found at http://www.agcensus.usda.gov/Publications/2007/Online_Highlights/Census_of_Horticulture/index.asp.

The 2009 Census of Horticulture counted 21,585 operations in the United States with sales of \$10,000 or more in horticultural specialty crops, a decrease of 2,173 operations since the 1998 Census of Horticulture. Sales of horticultural crops only increased by 10 percent over this period, compared to a 60 percent increase for all crop commodities according to U.S. Department of Agriculture, Economic Research Service. *Farm Income and Balance Sheets, 1929-2010*.

Nationwide, wholesale sales accounted for 85 percent of all horticultural sales in 2009. The top two wholesale crops were nursery stock followed by annual bedding and garden plants. Horticultural specialty operations also sold \$1.8 billion at the retail level, or 15 percent of the total value of horticultural production. The top crop for sales at the retail level was annual bedding and garden plants, followed by nursery stock. Smaller operations sold more at the retail level. Operations with sales of less than \$250,000 accounted for 30 percent of all retail sales.

Retail garden centers and nurseries (excluding mass marketers) were the largest purchasers of horticultural specialty crops in 2009, with purchases of \$2.3 billion. Other mass marketers, including discount chain stores and hardware/home improvement stores, were the second largest customers of horticultural products, with purchases of \$2.1 billion in 2009.

Nationally, the single largest expense for horticultural specialty operations is hired labor, which includes salaries paid to hired workers, as well as benefits for workers. Horticultural operations employed 280,201 hired workers in 2009. Hired labor expenses were more than twice the amount of the next largest expense, which was for seeds, plants, vines and trees. Other significant production expenses included the expense for containers, which includes pots and flats, and for gasoline, fuels and oils.

About the Survey: The 2009 Census of Horticultural Specialties is the ninth census of horticultural specialties. Previous horticultural specialties censuses were conducted in conjunction with the census of agriculture and were taken in 1889, 1929, 1949, 1959, 1970, 1979, 1988, and 1998. The 2009 Census of Horticultural Specialties includes producers of floriculture, nursery, and other specialty crops, such as sod, food crops produced under glass or other protection, transplants for commercial production, and propagative materials.

The definition of a horticultural specialty operation is any place that produced and sold \$10,000 or more of horticultural specialty products during 2009. This same definition was used in the 1998 Census.

The census of horticultural specialties is the leading source of detailed production and sales data at the National and State level. Census data are used to evaluate, change, promote, and formulate policies and programs that help horticultural specialty producers. It is used to study historic trends, assess current conditions, and plan for the future; as well as design new and improved methods to increase horticultural specialty production and profitability.

The results of the survey are available to the public. Associations use these statistics when working with policy makers at the state and national levels. University Extension specialists justify research grants and other activities with statistics that describe the size and importance of the industry in each state. Banks and other lending institutions often use the data when evaluating loan applications. Individual producer data is kept strictly confidential and used only in combination with other reports to prepare state and national statistics. Individual information is exempted from disclosure under the Freedom of Information Act.

The following abbreviations and symbols are used throughout the tables:

- Represents zero.
- (D) Withheld to avoid disclosing data for individual operations.
- (NA) Not available.
- (X) Not applicable.
- (Z) Less than half of the unit shown.

United States	2009 Value of Sales	1998 Value of Sales	% Change
All Horticultural Crops	\$11.7 billion	\$10.6 billion	+10.3
Nursery Stock	\$3.9 billion	\$3.1 billion	+24.3
Annual Bedding/Garden Plants	\$2.3 billion	\$1.7 billion	+33.3
Herbaceous Perennial Plants	\$844 million	\$627 million	+34.5
Propagative Materials	\$602 million	\$493 million	+22.0
Food Crops Grown Under Protection	\$553 million	\$223 million	+148.5
Transplants for Commercial Vegetable Production	\$331 million	\$156 million	+111.6
Cut Christmas Trees	\$250 million	\$256 million	-2.5

Table 1. Value of Horticultural Specialty Crops Sold, United States and Top 10 States: 2009

Geographic area	Total sales		Wholesale sales		Retail sales	
	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)
United States	21,585	11,687,323	14,393	9,891,740	13,254	1,795,583
California	1,611	2,283,394	1,274	2,048,681	715	234,713
Florida	1,882	1,288,798	1,682	1,229,897	507	58,901
Oregon	1,177	835,201	966	790,646	439	44,555
Texas	738	620,103	587	533,362	332	86,741
Michigan	1,089	566,794	683	458,934	765	107,860
North Carolina	1,021	501,363	759	457,704	534	43,660
Ohio	784	351,241	485	273,866	591	77,375
New Jersey	623	347,601	405	304,989	379	42,612
New York	1,040	303,354	552	219,831	795	83,523
Pennsylvania	1,288	296,005	722	207,741	1,009	88,264

Table 2. Total Land Area Used for Horticultural Production: 2009

Geographic area	Greenhouses							
	Type of cover							
	Total		Glass		Rigid plastic		Plastic film	
	Operations	Area (1,000 sq ft)	Operations	Area (1,000 sq ft)	Operations	Area (1,000 sq ft)	Operations	Area (1,000 sq ft)
United States	13,546	859,063	1,703	114,037	2,898	120,290	11,930	624,736
Pennsylvania	914	23,922	126	2,196	198	2,297	841	19,429
Geographic area	Area in the open		Shade structure area		Natural shade area		Greenhouses – Con.	
							Greenhouse space erected in 2009	
	Operations	Acres	Operations	Area (1,000 sq ft)	Operations	Area (1,000 sq ft)	Operations	Area (1,000 sq ft)
United States	12,140	572,269	3,916	406,072	1,608	8,160	868	16,279
Pennsylvania	633	20,006	139	1,091	48	114	38	992

Table 3. Kind of Business by Value of Sales: 2009

The information in the table summarizes total sales by operations which have over 50 percent of their sales in that category.

Item	Total		\$2,500,000 or more		\$1,000,000 to \$2,499,999		\$500,000 to \$999,999		\$250,000 to \$499,999		\$100,000 to \$249,999	
	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)
ALL HORTICULTURAL SPECIALTY OPERATIONS												
United States	21,585	11,687,323	804	6,959,443	1,133	1,766,102	1,530	1,074,815	2,258	791,029	3,991	631,503
Pennsylvania	1,288	296,005	19	115,225	31	50,776	56	37,545	78	26,972	220	32,786
ANNUAL BEDDING/ GARDEN PLANTS												
United States	5,703	2,396,295	153	1,327,167	190	296,574	335	237,255	622	217,271	1,168	184,620
Pennsylvania	551	81,004	2	(D)	8	11,171	19	11,432	36	12,201	96	14,112
POTTED HERBACEOUS PERENIAL PLANTS												
United States	910	414,586	23	238,233	42	69,319	45	30,922	77	27,403	175	28,943
Pennsylvania	71	6,943	-	-	-	-	2	(D)	3	1,080	15	2,514
POTTED FLOWERING PLANTS FOR INDOOR OR PATIO USE												
United States	763	598,340	49	402,067	53	88,139	63	43,046	70	26,205	141	22,983
Pennsylvania	34	30,670	2	(D)	1	(D)	4	2,796	2	(D)	8	1,289
FOLIAGE PLANTS FOR INDOOR OR PATIO USE												
United States	572	377,382	28	172,179	57	90,866	75	53,620	98	34,253	103	17,107
Pennsylvania	2	(D)	-	-	-	-	-	-	1	(D)	1	(D)

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Table 3. **Kind of Business by Value of Sales: 2009** – Continued*The information in the table summarizes total sales by operations which have over 50 percent of their sales in that category.*

Item	Total		\$2,500,000 or more		\$1,000,000 to \$2,499,999		\$500,000 to \$999,999		\$250,000 to \$499,999		\$100,000 to \$249,999	
	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)
CUT FLOWERS AND CUT LEI FLOWERS												
United States	836	383,416	35	247,329	28	41,230	47	32,945	61	20,789	140	21,172
Pennsylvania	21	(D)	-	-	-	-	3	(D)	1	(D)	3	377
CUT CULTIVATED GREENS												
United States	268	85,445	8	31,883	11	16,023	20	14,709	28	9,445	44	6,834
Pennsylvania	2	(D)	-	-	-	-	-	-	-	-	-	-
NURSERY STOCK												
United States	5,937	3,995,039	288	2,488,994	403	626,344	485	342,845	683	240,238	1,129	178,794
Pennsylvania	221	76,027	6	27,675	13	21,446	15	10,660	16	5,909	37	5,293
CUTTINGS, PLUG SEEDLINGS, LINERS, TISSUE CULTURED PLANTLETS, AND PREFINISHED PLANTS												
United States	433	518,881	49	377,227	49	75,828	44	30,976	52	18,590	58	8,637
Pennsylvania	14	21,698	3	16,174	2	(D)	1	(D)	2	(D)	1	(D)
SOD, SPRIGS OR PLUGS												
United States	1,317	876,790	68	365,288	139	208,171	209	146,500	259	90,246	300	50,354
Pennsylvania	9	3,806	-	-	1	(D)	3	1,798	1	(D)	3	463
DRIED BULBS, CORMS, RHIZOMES, AND TUBERS												
United States	88	47,244	3	26,651	6	(D)	9	6,343	8	2,959	6	799
Pennsylvania	-	-	-	-	-	-	-	-	-	-	-	-
FOOD CROPS GROWN UNDER PROTECTION												
United States	815	544,658	18	420,609	27	42,737	37	26,699	46	15,594	129	19,255
Pennsylvania	67	13,959	1	(D)	4	7,061	-	-	1	(D)	10	1,246
TRANSPLANTS FOR COMMERCIAL VEGETABLE AND STRAWBERRY PRODUCTION												
United States	154	355,475	28	300,196	18	33,893	14	9,129	16	5,449	29	4,665
Pennsylvania	5	320	-	-	-	-	-	-	-	-	1	(D)
VEGETABLE SEEDS												
United States	244	87,568	4	13,000	18	25,420	23	15,345	56	19,228	70	11,121
Pennsylvania	-	-	-	-	-	-	-	-	-	-	-	-
FLOWER SEEDS												
United States	66	28,829	2	(D)	4	(D)	5	(D)	6	2,107	15	2,354
Pennsylvania	1	(D)	1	(D)	-	-	-	-	-	-	-	-
AQUATIC PLANTS												
United States	107	23,352	1	(D)	3	5,746	5	(D)	17	6,015	19	3,050
Pennsylvania	8	422	-	-	-	-	-	-	-	-	2	(D)
CUT CHRISTMAS TREES												
United States	2,248	245,365	9	64,610	23	35,214	37	25,325	65	21,838	252	37,679
Pennsylvania	208	16,415	-	-	1	(D)	1	(D)	11	3,739	32	4,867
OTHER												
United States	1,124	708,657	38	466,523	62	96,583	77	52,531	94	33,399	213	33,136
Pennsylvania	74	36,443	4	23,202	1	(D)	8	5,428	4	1,316	11	1,703

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Table 3. **Kind of Business by Value of Sales: 2009** – Continued*The information in the table summarizes total sales by operations which have over 50 percent of their sales in that category.*

Item	\$50,000 to \$99,999		\$40,000 to \$49,999		\$25,000 to \$39,999		\$20,000 to \$24,999		\$10,000 to \$19,999	
	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)
ALL HORTICULTURAL SPECIALTY OPERATIONS										
United States	3,538	251,593	1,261	56,083	2,641	83,615	1,249	27,619	3,180	45,521
Pennsylvania	225	15,431	101	4,426	225	7,238	98	2,164	235	3,440
ANNUAL BEDDING/GARDEN PLANTS										
United States	1,031	72,957	405	18,133	782	24,942	325	7,253	692	10,122
Pennsylvania	111	7,497	55	2,402	103	(D)	39	865	82	1,179
POTTED HERBACEOUS PERENNIAL PLANTS										
United States	133	9,516	67	2,946	104	3,316	53	1,158	191	2,830
Pennsylvania	13	857	8	(D)	14	438	3	69	13	(D)
POTTED FLOWERING PLANTS FOR INDOOR OR PATIO USE										
United States	131	9,462	38	1,679	71	2,267	49	1,106	98	1,386
Pennsylvania	7	460	2	(D)	1	(D)	3	65	4	49
FOLIAGE PLANTS FOR INDOOR OR PATIO USE										
United States	81	6,043	19	845	44	1,414	13	281	54	776
Pennsylvania	-	-	-	-	-	-	-	-	-	-
CUT FLOWERS AND CUT LEI FLOWERS										
United States	159	11,396	49	2,169	84	2,631	69	1,519	164	2,235
Pennsylvania	2	(D)	4	188	2	(D)	1	(D)	5	80
CUT CULTIVATED GREENS										
United States	57	4,222	14	617	22	683	17	364	47	666
Pennsylvania	-	-	-	-	-	-	-	-	2	(D)
NURSERY STOCK										
United States	924	65,801	317	14,138	644	20,377	302	6,657	762	10,852
Pennsylvania	40	2,721	11	480	27	915	12	272	44	657
CUTTINGS, PLUG SEEDLINGS, LINERS, TISSUE CULTURED PLANTLETS, AND PREFINISHED PLANTS										
United States	66	4,696	10	443	47	1,525	17	357	41	603
Pennsylvania	1	(D)	-	-	3	111	-	-	1	(D)
SOD, SPRIGS OR PLUGS										
United States	158	11,352	40	1,744	56	1,733	26	555	62	846
Pennsylvania	1	(D)	-	-	-	-	-	-	-	-
DRIED BULBS, CORMS, RHIZOMES, AND TUBERS										
United States	6	398	10	436	17	496	5	(D)	18	264
Pennsylvania	-	-	-	-	-	-	-	-	-	-
FOOD CROPS GROWN UNDER PROTECTION										
United States	137	9,382	58	2,544	141	4,328	50	1,092	172	2,418
Pennsylvania	9	665	4	174	13	(D)	10	218	15	219
TRANSPLANTS FOR COMMERCIAL VEGETABLE AND STRAWBERRY PRODUCTION										
United States	20	1,375	1	(D)	13	447	5	121	10	(D)
Pennsylvania	-	-	-	-	3	(D)	1	(D)	-	-
VEGETABLE SEEDS										
United States	30	2,180	8	(D)	17	577	13	280	5	(D)
Pennsylvania	-	-	-	-	-	-	-	-	-	-
FLOWER SEEDS										
United States	10	702	6	278	4	128	6	126	8	117
Pennsylvania	-	-	-	-	-	-	-	-	-	-

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Table 3. Kind of Business by Value of Sales: 2009 – Continued

The information in the table summarizes total sales by operations which have over 50 percent of their sales in that category.

Item	\$50,000 to \$99,999		\$40,000 to \$49,999		\$25,000 to \$39,999		\$20,000 to \$24,999		\$10,000 to \$19,999	
	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)	Operations	Sales (\$1,000)
AQUATIC PLANTS										
United States	17	1,179	4	170	15	457	4	(D)	22	325
Pennsylvania	-	-	-	-	2	(D)	-	-	4	60
CUT CHRISTMAS TREES										
United States	370	25,960	143	6,362	435	13,597	226	5,030	688	9,750
Pennsylvania	21	1,421	12	528	45	(D)	27	591	58	845
OTHER										
United States	208	14,970	72	3,175	145	4,695	69	1,526	146	2,119
Pennsylvania	20	1,545	5	232	12	(D)	2	(D)	7	101



Table 4. Value of Horticultural Specialty Crops Sold by Marketing Channels: 2009

Geographic area	Consumers (direct sales)		Retail florists		Retail garden centers/nurseries, excluding mass marketers		Supermarkets/ grocers		Other mass marketers			
	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)		
United States	13,674	1,881,107	2,383	198,888	7,218	2,251,310	2,170	898,179	2,082	2,081,703		
Pennsylvania	989	111,274	104	6,037	368	62,976	87	10,004	55	17,222		
Geographic area	Interiorscapers		Landscape contractors		Wholesale florists		Landscape redistribution yards		Non-profit groups (fundraisers)		Other	
	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)
United States	1,018	93,461	7,884	1,682,170	2,112	531,569	2,603	558,939	2,701	83,239	3,939	1,426,758
Pennsylvania	20	657	350	36,443	73	4,092	102	12,626	182	2,900	221	31,773

Table 5. Value of Sales and Value of Land, Buildings, Machinery, and Equipment by Type of Organization: 2009

Geographic area	Individual				Partnership			
	Operations	Value of sales (\$1,000)	Value of -		Operations	Value of sales (\$1,000)	Value of -	
			Land and buildings (\$1,000)	Machinery and equipment (\$1,000)			Land and buildings (\$1,000)	Machinery and equipment (\$1,000)
United States	11,188	1,760,393	6,175,295	801,305	1,911	1,004,990	1,934,678	383,405
Pennsylvania	852	71,927	268,578	47,471	154	36,948	59,526	13,935
Geographic area	Corporation				Other			
	Operations	Value of sales (\$1,000)	Value of -		Operations	Value of sales (\$1,000)	Value of -	
			Land and buildings (\$1,000)	Machinery and equipment (\$1,000)			Land and buildings (\$1,000)	Machinery and equipment (\$1,000)
United States	7,543	8,340,969	14,267,881	2,202,392	943	580,970	1,147,349	216,958
Pennsylvania	246	172,455	362,956	61,813	36	14,675	33,409	10,103

Table 6. Horticultural Production Expenses, Returns and Allowances, and Number of Hired Workers: 2009

Item	United States	Pennsylvania
HORTICULTURAL PRODUCTION EXPENSES		
All horticultural production expenses.....operations	21,585	1,288
\$1,000	9,474,821	237,221
Seeds, plants, vines, trees, etc. purchased.....operations	18,697	1,184
\$1,000	1,479,230	46,107
Potting soils and growing media purchased.....operations	13,438	866
\$1,000	349,755	8,279
Fertilizer, lime and soil conditioner purchased.....operations	19,426	1,131
\$1,000	306,689	4,560
Chemicals purchased.....operations	18,722	1,122
\$1,000	239,233	5,178
Containers purchased.....operations	15,161	924
\$1,000	490,263	11,682
Plastic.....operations	14,202	893
\$1,000	401,608	9,809
Styrofoam or other foam containers.....operations	1,766	57
\$1,000	6,699	149
Natural based containers (wood, peat, straw, rice hulls, etc.).....operations	2,841	132
\$1,000	19,954	600
Clay pots.....operations	2,130	67
\$1,000	8,393	73
Glazed pottery.....operations	2,118	54
\$1,000	14,873	100
Other containers.....operations	2,886	97
\$1,000	38,736	951
Hired labor expenses, all.....operations	16,639	867
\$1,000	3,609,943	83,044
Worked less than 150 days.....operations	12,150	683
\$1,000	757,393	15,762
Worked 150 days or more.....operations	11,970	512
\$1,000	2,852,550	67,282
Contract labor expense.....operations	4,948	165
\$1,000	244,172	4,598
Gasoline, fuels and oils purchased.....operations	20,908	1,267
\$1,000	460,909	15,776
Utilities purchased.....operations	19,954	1,192
\$1,000	336,233	7,970
Repairs, supplies and maintenance costs.....operations	20,243	1,208
\$1,000	438,775	11,421
Rent and lease expenses for land, buildings, machinery.....operations	8,569	391
\$1,000	338,102	8,465
Interest paid on all debt related to the horticultural operation.....operations	10,439	615
\$1,000	248,012	5,929
Property taxes paid in 2009.....operations	20,541	1,236
\$1,000	138,076	5,729
Marketing expense.....operations	13,232	785
\$1,000	174,128	2,786
All other production expense.....operations	12,474	690
\$1,000	621,302	15,697
RETURNS AND ALLOWANCES		
Total returns and allowances.....operations	2,386	81
\$1,000	181,517	893
GREENHOUSE, NURSERY, AND OTHER HORTICULTURAL LABOR		
Hired workers.....operations	16,639	867
workers	280,201	7,986
Workers by days worked:		
Less than 150 days.....operations	12,155	684
workers	137,349	4,314
150 days or more.....operations	11,973	512
workers	142,852	3,672

Top 5 Horticulture Production Expenses, United States	Total Cost (Billions)	% of Total Expenses
Total Hired Labor Expense	\$3.61	38.1
Seeds, Plants, Vines, Trees, Etc.	\$1.48	15.6
All Other Production Expenses	\$0.62	6.6
Total Containers Expense	\$0.49	5.2
Gasoline, Fuels and Oils Purchased	\$0.46	4.9

Table 7. Annual Bedding/Garden Plants Sold – Total: 2009

Geographic area	All sales		Wholesale sales		Retail sales	
	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)
United States	7,989	2,305,913	3,623	1,781,508	6,158	524,406
Pennsylvania	710	81,254	279	42,647	580	38,608

Top 5 Annual Bedding Plants, United States:

1. Geraniums
2. Impatiens
3. Petunias
4. Pansies/Violas
5. Begonias

Table 8. Cut Cultivated Greens Sold: 2009

Geographic area	All sales			Wholesale sales			Retail sales		
	Operations	Number sold	Value (\$1,000)	Operations	Number sold	Value (\$1,000)	Operations	Number sold	Value (\$1,000)
United States	634	(X)	84,148	431	(X)	81,848	258	(X)	2,300
Pennsylvania	24	(X)	189	17	(X)	139	9	(X)	50

Table 9. Food Crops Grown Under Protection and Sold, Excluding Mushrooms: 2009

Geographic area	Operations	Area under protection (1,000 square feet)	Production (cwt)		Value of sales (\$1,000)		
			Total	From hydroponic systems	All sales	Wholesale sales	Retail sales
FOOD CROPS GROWN UNDER PROTECTION AND SOLD, TOTAL							
United States	1,476	71,247	5,022,909	3,651,944	553,270	413,337	139,933
Pennsylvania	131	2,965	(D)	(D)	14,139	8,662	5,477
CUCUMBERS							
United States	343	6,011	265,320	243,406	(D)	(D)	1,584
Pennsylvania	12	11	(D)	(D)	23	(D)	(D)
HERBS, FRESH							
United States	323	5,929	(D)	(D)	(D)	(D)	(D)
Pennsylvania	28	137	(D)	(D)	(D)	91	(D)
LETTUCE, ALL							
United States	338	2,753	(D)	(D)	53,823	(D)	(D)
Pennsylvania	25	886	(D)	(D)	(D)	(D)	194
PEPPERS, ALL (EXCLUDING ORNAMENTALS)							
United States	265	1,230	18,222	636	2,191	911	1,280
Pennsylvania	13	(D)	(D)	-	14	(D)	(D)
STRAWBERRIES							
United States	76	939	3,906	131	525	(D)	(D)
Pennsylvania	2	(D)	(D)	-	(D)	-	(D)
TOMATOES							
United States	1,148	39,962	3,207,177	2,845,532	320,454	264,196	56,258
Pennsylvania	106	1,799	44,603	3,580	(D)	(D)	(D)
OTHER FOOD CROPS GROWN UNDER PROTECTION							
United States	345	14,423	1,093,602	262,614	101,350	73,617	27,734
Pennsylvania	30	123	12,932	7,590	3,310	3,208	102

Table 10. **Cut Christmas Trees Sold and To Be Sold: 2009**

Item	Acres in production		All sales			Wholesale sales			Retail sales			Christmas trees on operation January 1, 2010	
	Operations	Number (1,000)	Operations	Number (1,000)	Value (\$1,000)	Operations	Number (1,000)	Value (\$1,000)	Operations	Number (1,000)	Value (\$1,000)	Operations	Number (1,000)
CUT CHRISTMAS TREES SOLD AND TO BE SOLD, TOTAL													
United States	2,734	174	2,699	12,849	249,821	1,268	10,729	177,181	2,049	2,120	72,640	2,671	157,675
Pennsylvania	293	23	283	812	19,365	152	553	11,498	224	259	7,867	293	17,660
BALSAM FIR													
United States	825	15	778	768	16,716	321	500	8,042	664	268	8,674	795	10,871
Pennsylvania	51	1	38	9	242	10	4	72	36	5	170	51	331
COLORADO BLUE SPRUCE													
United States	1,029	9	923	209	5,814	231	93	1,575	820	116	4,238	990	5,834
Pennsylvania	203	4	173	60	1,466	68	22	415	139	38	1,051	200	3,051
DOUGLAS FIR													
United States	1,190	30	1,111	3,087	45,797	449	2,734	34,013	868	353	11,784	1,151	28,284
Pennsylvania	271	9	256	393	8,909	135	288	5,590	204	105	3,318	269	7,471
FRASER FIR													
United States	1,525	61	1,422	4,258	89,085	718	3,714	69,879	1,031	544	19,206	1,485	60,169
Pennsylvania	220	6	205	261	6,819	112	184	4,436	160	77	2,383	218	4,603
GRAND FIR													
United States	416	4	370	344	5,721	186	285	3,861	246	59	1,859	404	4,368
Pennsylvania	23	(Z)	16	1	23	3	(D)	(D)	16	(D)	(D)	23	35
LEYLAND CYPRESS													
United States	190	1	179	84	2,360	19	32	332	168	51	2,028	186	538
Pennsylvania	5	(D)	2	(D)	(D)	-	-	-	2	(D)	(D)	5	6
NOBLE FIR													
United States	418	25	398	2,719	54,239	234	2,479	46,871	230	240	7,368	405	26,281
Pennsylvania	5	(D)	4	(D)	(D)	2	(D)	(D)	4	(D)	(D)	5	12
SCOTCH PINE													
United States	704	10	654	610	9,786	176	488	6,063	563	122	3,723	669	6,955
Pennsylvania	76	(Z)	61	11	182	22	8	99	46	4	83	76	139
WHITE PINE													
United States	900	7	806	223	4,864	241	127	1,834	685	95	3,030	868	4,252
Pennsylvania	125	1	103	23	488	43	14	251	82	9	237	124	709
WHITE SPRUCE													
United States	496	2	435	81	2,084	99	40	675	387	41	1,409	477	1,349
Pennsylvania	54	(Z)	31	2	49	11	1	27	25	1	23	54	83
OTHER CUT CHRISTMAS TREES													
United States	1,112	10	979	468	13,355	262	237	4,035	848	230	9,320	1,077	8,773
Pennsylvania	128	2	117	50	1,164	45	30	589	93	19	575	128	1,220



Table 11. Nursery Stock Sold: 2009

Item	Operations	Total sales (\$1,000)	Total sales as -							
			Bareroot		Balled and burlapped		Containers		Other	
			Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)	Operations	Value (\$1,000)
NURSERY STOCK SOLD, TOTAL										
United States	8,441	3,850,363	1,444	395,995	3,832	842,011	6,351	2,525,086	561	87,270
Pennsylvania	408	76,906	67	13,342	264	38,278	202	24,579	13	707
DECIDUOUS SHADE TREES										
United States	4,042	560,057	424	73,451	2,182	239,695	2,412	238,703	159	8,209
Pennsylvania	179	12,402	27	(D)	131	7,507	57	2,779	4	(D)
DECIDUOUS FLOWERING TREES										
United States	3,734	343,651	355	33,087	1,841	127,873	2,415	179,897	135	2,794
Pennsylvania	173	8,301	19	(D)	127	5,585	57	2,313	1	(D)
BROADLEAF EVERGREENS										
United States	4,042	793,290	192	11,395	1,372	109,772	3,250	660,426	111	11,696
Pennsylvania	147	4,628	11	(D)	86	2,576	87	1,825	1	(D)
CONIFEROUS EVERGREENS										
United States	4,581	651,092	288	39,882	2,464	242,343	2,737	354,383	194	14,482
Pennsylvania	278	30,682	32	4,647	215	21,415	80	4,204	7	416
DECIDUOUS SHRUBS										
United States	3,969	647,155	395	61,796	907	48,860	3,372	524,919	105	11,580
Pennsylvania	166	10,381	22	(D)	59	771	119	9,223	1	(D)
FRUIT AND NUT PLANTS										
United States	1,813	382,773	410	154,354	194	13,458	1,484	186,485	72	28,475
Pennsylvania	52	4,943	15	(D)	11	(D)	34	367	-	-
ORNAMENTAL GRASSES										
United States	2,351	124,261	86	2,316	84	1,115	2,214	118,941	62	1,889
Pennsylvania	90	967	5	6	9	171	76	791	-	-
LANDSCAPING PALMS										
United States	1,027	169,395	41	2,040	344	53,454	876	111,427	34	2,475
Pennsylvania	-	-	-	-	-	-	-	-	-	-
BAREROOT HERBACEOUS PERENNIALS										
United States	197	12,850	197	12,850	(X)	(X)	(X)	(X)	(X)	(X)
Pennsylvania	6	249	6	249	(X)	(X)	(X)	(X)	(X)	(X)
OTHER WOODY ORNAMENTALS AND VINES										
United States	1,824	165,839	89	4,823	115	5,441	1,723	149,906	67	5,669
Pennsylvania	63	4,354	12	(D)	7	(D)	48	3,077	1	(D)

Top 5 Nursery Stock Categories, United States:

1. Broadleaf Evergreens
2. Coniferous Evergreens
3. Deciduous Shrubs
4. Deciduous Shade (Shade Trees)
5. Fruit and Nut Plants

Table 12. Selected Nursery Stock, Sales and Inventory: 2009

Item	All sales			Wholesale sales			Retail sales			Inventory on operation January 1, 2010	
	Operations	Number	Value (\$1,000)	Operations	Number	Value (\$1,000)	Operations	Number	Value (\$1,000)	Operations	Number
BROADLEAF EVERGREENS, TOTAL											
United States	4,042	113,813,663	793,290	2,905	109,087,175	740,973	1,838	4,726,488	52,317	3,212	144,423,559
Pennsylvania	147	431,050	4,628	79	(D)	3,356	101	(D)	1,272	133	1,756,065
CONIFEROUS EVERGREENS, TOTAL											
United States	4,581	242,658,831	651,092	3,144	210,575,207	565,936	2,183	32,083,624	85,156	3,666	300,304,433
Pennsylvania	278	4,363,182	30,682	171	(D)	25,377	161	(D)	5,305	246	15,176,103
DECIDUOUS FLOWERING TREES, TOTAL											
United States	3,734	20,761,489	343,651	2,565	19,871,400	305,042	1,772	890,089	38,609	2,982	26,564,090
Pennsylvania	173	175,711	8,301	102	150,214	5,842	116	25,497	2,459	161	434,029
DECIDUOUS SHADE TREES, TOTAL											
United States	4,042	34,471,534	560,057	2,742	33,093,575	486,820	1,950	1,377,959	73,237	3,221	53,901,165
Pennsylvania	179	479,950	12,402	107	450,927	9,352	115	29,023	3,051	169	1,477,952
DECIDUOUS SHRUBS, TOTAL											
United States	3,969	115,728,929	647,155	2,395	111,221,233	593,984	2,189	4,507,696	53,171	2,811	92,288,988
Pennsylvania	166	932,447	10,381	71	846,712	9,081	126	85,735	1,300	142	870,937
FRUIT AND NUT PLANTS, TOTAL											
United States	1,813	94,123,000	382,773	962	81,432,237	301,616	1,068	12,690,763	81,157	1,162	74,426,072
Pennsylvania	52	671,511	4,943	15	(D)	(D)	46	(D)	(D)	36	952,654
OTHER WOODY ORNAMENTALS AND VINES, TOTAL											
United States	1,824	83,335,942	165,839	1,089	80,328,532	156,418	972	3,007,410	9,421	1,164	63,040,775
Pennsylvania	63	13,286,540	4,354	28	13,247,522	4,196	43	39,018	158	43	5,973,078

Table 13. Aquatic Plants Sold: 2009

Geographic area	Total operations	Area used for production				Number sold (1,000 plants)	Value of sales (\$1,000)		
		Under protection		In the open			All sales	Wholesale sales	Retail sales
		Operations	Square feet (1,000)	Operations	Acres				
United States	375	284	1,534	186	554	17,566	26,000	17,597	8,403
Pennsylvania	40	38	94	16	22	470	746	(D)	(D)

Table 14. Sod, Sprigs, and Plugs Sold: 2009

Geographic area	Area used for production		Area harvested		Value of sales (\$1,000)		
	Operations	Acres	Operations	Acres	All sales	Wholesale sales	Retail sales
United States	1,412	368,188	1,403	189,892	876,847	627,844	249,003
Pennsylvania	12	1,320	12	416	4,101	3,408	693



Table 15. Transplants for Commercial Vegetable and Strawberry Production Sold: 2009

Item	Total operations	Area used for production				Value of sales (\$1,000)		
		Under protection		In the open				
		Operations	Square feet (1,000)	Operations	Acres	All sales	Wholesale sales	Retail sales
TRANSPLANTS FOR COMMERCIAL VEGETABLE AND STRAWBERRY PRODUCTION, TOTAL								
United States	502	403	32,286	161	5,616	330,647	293,015	37,632
Pennsylvania	40	39	211	2	(D)	642	607	35
BROCCOLI, CABBAGE, CAULIFLOWER, AND OTHER CRUCIFERS								
United States	238	197	6,679	64	178	48,348	47,677	672
Pennsylvania	16	16	49	1	(D)	(D)	(D)	(D)
GREENS (COLLARD, TURNIP, KALE, ETC.)								
United States	76	52	1,734	28	51	11,578	11,380	198
Pennsylvania	2	2	(D)	-	-	(D)	(D)	-
PEPPERS, ALL (EXCLUDING ORNAMENTALS)								
United States	265	221	6,270	63	191	28,355	(D)	(D)
Pennsylvania	16	15	36	1	(D)	99	(D)	(D)
STRAWBERRIES FOR COMMERCIAL PRODUCTION								
United States	96	53	780	53	3,931	122,198	(D)	(D)
Pennsylvania	3	3	(D)	-	-	140	140	-
TOMATOES								
United States	339	297	11,161	70	169	70,442	63,775	6,667
Pennsylvania	28	27	61	1	(D)	154	129	25
OTHER TRANSPLANTS FOR COMMERCIAL VEGETABLE PRODUCTION								
United States	180	145	5,663	48	1,096	49,725	43,032	6,692
Pennsylvania	14	14	43	-	-	126	123	3



Complete results of the 2009 Census of Horticultural Specialties are available online at www.agcensus.usda.gov

Crop Summary by County, 2011

By Jack C. Doney

Pennsylvania: Summary - Principal Crops Harvested by County, 2011

County	Field and forage crops ¹		Vegetable crops ²		Fruit ³	Value of production principal crops
	Acres harvested	Value of production	Acres harvested	Value of production	Value of production	
	(acres)	(1,000 dollars)	(acres)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Adams	108,500	51,233	1,098	1,625	54,501	107,359
Allegheny	8,700	2,774	597	1,813	475	5,062
Armstrong	55,100	25,484	115	340	402	26,226
Beaver	26,740	14,059	109	327	507	14,893
Bedford	90,130	48,524	123	390	3,633	52,547
Berks	163,020	89,715	743	2,122	4,285	96,122
Blair	49,560	26,914	282	724	363	28,001
Bradford	104,760	52,086	169	464	519	53,069
Bucks	52,530	26,120	1,082	3,023	1,683	30,826
Butler	64,260	32,573	955	2,658	556	35,787
Cambria	43,290	19,172	1,489	3,982	211	23,365
Cameron	1,660	638	9	20	46	704
Carbon	9,700	4,410	258	767	115	5,292
Centre	74,200	40,611	3,355	3,454	996	45,061
Chester	96,550	65,772	907	2,727	1,456	69,955
Clarion	46,890	24,376	304	945	210	25,531
Clearfield	26,290	10,957	30	76	14	11,047
Clinton	24,490	14,793	188	467	36	15,296
Columbia	50,300	24,929	5,987	7,020	275	32,224
Crawford	123,900	77,014	320	545	595	78,154
Cumberland	116,900	71,968	740	2,048	2,134	76,150
Dauphin	65,100	38,185	496	1,463	890	40,538
Delaware	1,490	799	46	115	52	966
Elk	8,620	3,465	67	169	140	3,774
Erie	71,200	40,642	1,935	6,926	26,443	74,011
Fayette	53,900	25,569	449	1,196	277	27,042
Forest	2,850	1,538	96	171	1	1,710
Franklin	157,600	81,767	826	2,384	9,833	93,984
Fulton	43,770	17,321	13	42	20	17,383
Greene	33,240	11,368	58	164	193	11,725
Huntingdon	60,220	29,143	410	502	235	29,880
Indiana	74,300	40,804	882	2,678	672	44,154
Jefferson	40,160	15,334	35	91	99	15,524
Juniata	55,390	30,899	176	410	425	31,734
Lackawanna	10,930	3,839	805	3,410	538	7,787
Lancaster	244,200	232,999	3,247	10,008	4,385	247,392
Lawrence	52,650	34,256	129	340	278	34,874
Lebanon	94,480	69,794	270	719	791	71,304
Lehigh	65,900	36,167	897	2,318	2,616	41,101
Luzerne	22,920	11,705	1,247	2,843	1,139	15,687
Lycoming	69,750	37,820	927	1,571	1,854	41,245
McKean	10,970	4,427	27	74	7	4,508
Mercer	91,900	62,678	412	1,123	341	64,142
Mifflin	44,600	26,397	132	351	942	27,690
Monroe	10,100	4,843	187	514	620	5,977
Montgomery	20,030	8,309	485	1,312	876	10,497
Montour	22,290	12,165	267	319	354	12,838
Northampton	54,500	37,080	393	1,192	866	39,138
Northumberland	75,900	50,122	1,742	2,431	1,193	53,746
Perry	76,800	43,664	107	327	97	44,088
Philadelphia	-	-	2	9	-	9
Pike	3,100	2,211	5	34	-	2,245
Potter	22,890	10,275	3,252	3,613	48	13,936
Schuylkill	59,180	28,859	1,958	6,369	1,776	37,004
Snyder	52,820	31,523	496	2,110	2,178	35,811
Somerset	93,570	51,586	186	571	199	52,356
Sullivan	12,270	6,888	13	34	17	6,939
Susquehanna	58,630	19,947	67	195	620	20,762
Tioga	96,290	37,494	64	156	44	37,694
Union	50,540	36,622	503	623	89	37,334
Venango	24,920	13,804	59	158	29	13,991
Warren	24,730	12,326	141	372	406	13,104
Washington	77,300	25,762	448	1,439	716	27,917
Wayne	37,570	13,401	54	153	36	13,590
Westmoreland	66,590	36,714	766	1,975	515	39,204
Wyoming	25,470	10,705	297	833	440	11,978
York	175,600	105,528	1,816	3,260	5,286	114,074

Table continued on next page.

Pennsylvania: Summary - Principal Crops Harvested By County, 2011, Continued

District and state	Field and forage crops ¹		Vegetable crops ²		Fruit ³	Value of production principal crops
	Acres harvested	Value of production	Acres harvested	Value of production	Value of production	
	(acres)	(1,000 dollars)	(acres)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Northwestern	339,500	208,002	2,963	9,295	27,815	245,112
North Central	351,700	167,886	4,716	6,568	2,711	177,165
Northeastern	132,600	47,892	1,223	4,591	1,634	54,117
West Central	360,100	186,886	2,529	7,379	2,724	196,989
Central	747,300	421,303	15,472	23,792	8,262	453,357
East Central	225,400	125,275	4,945	14,037	7,132	146,444
Southwestern	333,300	153,773	2,504	7,158	2,375	163,306
South Central	692,500	376,341	4,616	9,749	75,407	461,497
Southeastern	672,300	493,508	6,782	20,035	13,528	527,071
Pennsylvania	3,854,700	2,180,866	45,750	102,604	141,588	2,425,058

¹ Includes winter wheat, oats, barley, soybeans, corn for grain, corn for silage, all forage and tobacco. ² Includes potatoes; fresh market sweet corn, tomatoes, cabbage, cantaloupe and pumpkins; and processing market snap beans. ³ Includes apples, peaches, tart cherries, pears, strawberries and grapes.



Crop Weather Summary

By Clarence R. White

Crop and Weather Summary - Dates of First and Last Freeze, Selected Pennsylvania Stations, 2011 and Normal

Area and Station	County	Last Spring Minimum of 32° F.			First Fall Minimum of 32° F.		
		2011		Normal	2011		Normal
		Date	Low Temp.	Date	Date	Low Temp.	Date
Pocono Mountains: Stroudsburg	Monroe	Apr 22	29	May 05	Oct 28	29	Oct 07
East Central Mountains: Allentown	Lehigh	Apr 22	31	Apr 20	Oct 30	28	Oct 18
South East Piedmont: Lancaster	Lancaster	Mar 30	26	Apr 14	Oct 29	32	Oct 21
Lower Susquehanna: Chambersburg	Franklin	Apr 01	31	Apr 27	Oct 29	32	Oct 17
Middle Susquehanna: Williamsport	Lycoming	Apr 22	32	Apr 30	Oct 28	30	Oct 15
Upper Susquehanna: Wellsboro	Tioga	Apr 23	30	May 14	Oct 06	31	Oct 01
Central Mountains: Renovo	Clinton	Apr 07	27	May 10	Oct 28	31	Oct 11
Ridgway	Elk	May 10	32	May 24	Oct 07	32	Sep 28
South Central Mountains: Altoona	Blair	Apr 07	30	May 02	Oct 23	31	Oct 13
Ebensburg	Cambria	May 06	32	May 26	Oct 23	28	Sep 21
South West Plateau: Butler	Butler	Apr 15	31	May 13	Oct 28	32	Oct 07
Confluence	Somerset	May 06	32	May 10	Oct 28	29	Oct 04
Donora	Washington	Apr 06	32	Apr 30	Oct 16	32	Oct 20
North West Plateau: Titusville	Crawford	May 16	28	May 22	Oct 23	31	Sep 28

Pennsylvania – Field Work and Crop Development, Selected, 2010-2011 Data As Reported in the 'Weekly Crop Progress & Condition' Survey, State Average

Oats % Planted				Oats % Harvested				Wheat % Planted			
Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average
Apr 24	6	73	62	Jul 31	28	62	35	Sept 25	7	19	18
May 1	12	0	7	Aug 7	53	79	58	Oct 2	10	32	30
May 8	32	91	88	Aug 14	73	93	77	Oct 9	24	46	49
May 15	67	96	95	Aug 21	92	97	92	Oct 16	33	59	66
May 22	72	99	98	Aug 28	96	97	97	Oct 23	53	79	75
May 29	88	100	99					Oct 30	68	84	83
Jun 5	92	100	100					Nov 6	74	88	92
Jun 12	98	100	100					Nov 13	90	95	96
								Nov 20	94	99	98
								Nov 27	95	99	99

Wheat % Harvested				Barley % Planted				Barley % Harvested			
Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average
Jun 26	5	13	6	Sept 25	16	54	40	Jun 12	9	8	4
Jul 3	15	52	23	Oct 2	23	57	52	Jun 19	38	51	20
Jul 10	68	83	54	Oct 9	43	72	66	Jun 26	73	86	50
Jul 17	87	88	79	Oct 16	55	85	83	Jul 3	90	95	77
Jul 24	99	89	93	Oct 23	79	96	91	Jul 10	95	97	92
				Oct 30	86	98	95				
				Nov 6	92	98	98				
				Nov 13	96	98	99				

Continued on next page.

Pennsylvania – Field Work and Crop Development Selected Dates, 2010-2011, Continued
Data As Reported in the ‘Weekly Crop Progress & Condition’ Survey, State Average

Soybeans % Planted				Soybeans % Harvested				Corn % Planted			
Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average
May 15	15	32	24	Oct 9	6	26	20	May 8	10	52	44
May 22	16	51	44	Oct 16	12	38	33	May 15	34	68	61
May 29	28	75	62	Oct 23	22	61	47	May 22	40	79	74
Jun 5	50	83	74	Oct 30	33	70	56	May 29	61	91	86
Jun 12	77	92	84	Nov 6	49	82	70	Jun 5	80	96	92
Jun 19	89	96	91	Nov 13	80	91	78	Jun 12	93	99	96
Jun 26	96	100	96	Nov 20	82	96	85	Jun 19	98	100	99
				Nov 27	89	97	89				

Corn Average Height (Inches)				Corn % Harvested				Tobacco % Harvested			
Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average
Jun 12	10	16	13	Oct 2	7	35	25	Aug 21	8	39	27
Jun 19	16	25	19	Oct 9	15	40	30	Aug 28	28	42	41
Jun 26	24	35	27	Oct 16	23	51	40	Sept 4	45	73	59
Jul 3	38	46	39	Oct 23	31	62	49	Sept 11	46	87	76
Jul 10	53	56	52	Oct 30	39	69	58	Sept 18	80	92	87
Jul 17	62	68	64	Nov 6	57	76	67	Sept 25	83	96	93
Jul 24	70	74	71	Nov 13	79	88	76	Oct 2	95	98	95
Jul 31	71	78	74	Nov 20	84	93	83				
Aug 7	78	82	78	Nov 27	88	96	88				
Aug 14	83	85	80								
Aug 21	86	87	81								
Aug 28	87	88	81								

Potatoes % Planted				Potatoes % Harvested				Peaches % Harvested			
Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average
May 8	9	49	40	Aug 7	5	4	6	Jul 17	10	21	15
May 15	28	65	59	Aug 14	7	10	12	Jul 24	39	59	39
May 22	30	84	72	Aug 21	8	16	18	Jul 31	27	45	35
May 29	58	97	88	Aug 28	11	19	20	Aug 7	30	63	47
Jun 5	83	100	97	Sept 4	22	20	27	Aug 14	52	73	63
Jun 12	95	100	100	Sept 11	29	25	37	Aug 21	70	86	72
				Sept 18	30	41	46	Aug 28	78	93	83
				Sept 25	32	51	57	Sept 4	89	95	92
				Oct 2	51	72	74	Sept 11	95	95	96
				Oct 9	62	87	87				
				Oct 16	86	92	93				
				Oct 23	91	98	97				
				Oct 30	92	99	98				
				Nov 6	96	99	98				

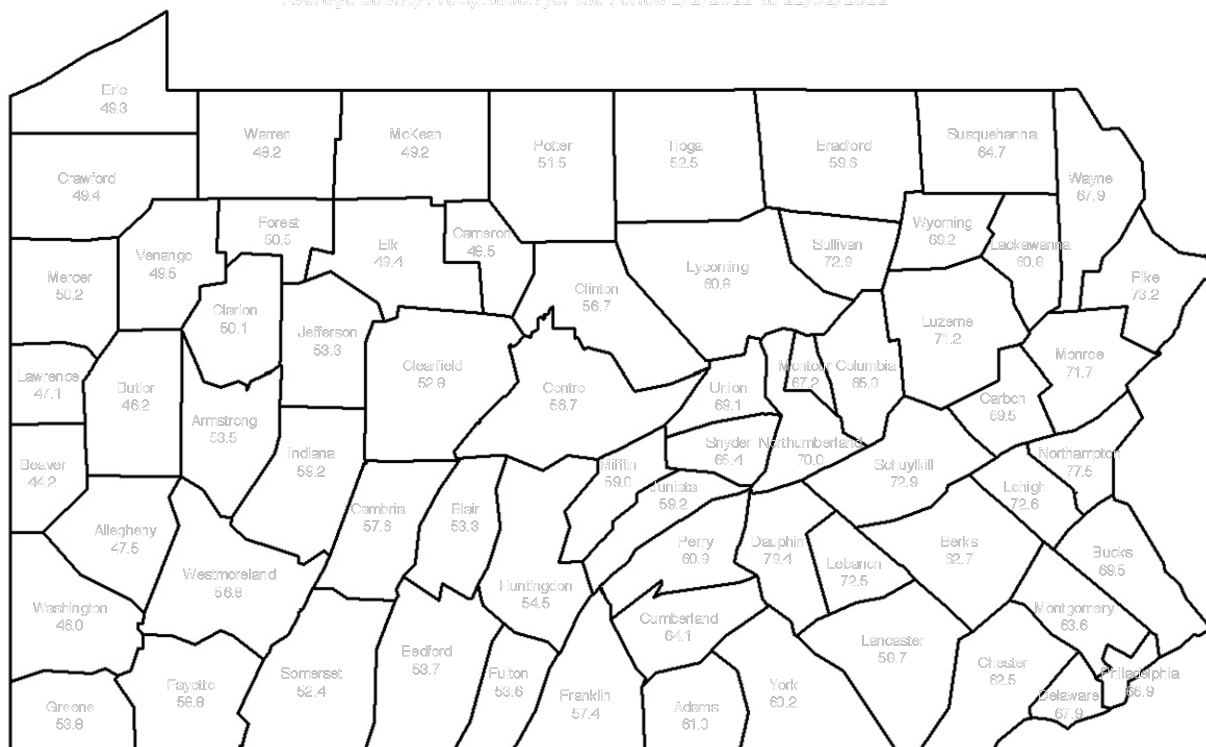
Apples % Harvested				Spring Plowing % Complete				Fall Plowing % Complete			
Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average	Week Ending 2011	2011	2010	5-Year Average
Jul 17	5	4	3	Apr 10	7	31	28	Aug 28	22	15	16
Jul 24	10	11	8	Apr 17	9	43	41	Sept 4	23	20	19
Jul 31	17	17	13	Apr 24	14	60	55	Sept 11	23	22	24
Aug 7	18	24	18	May 1	14	71	14	Sept 18	29	28	32
Aug 14	20	27	25	May 8	29	78	78	Sept 25	30	35	41
Aug 21	28	34	30	May 15	56	85	85	Oct 2	30	39	46
Aug 28	33	40	33	May 22	62	90	90	Oct 9	38	50	55
Sept 4	35	56	39	May 29	77	96	95	Oct 16	42	55	63
Sept 11	46	59	44	Jun 5	89	100	97	Oct 23	44	57	65
Sept 18	52	61	51	Jun 12	96	100	98	Oct 30	44	63	70
Sept 25	53	70	60					Nov 6	61	72	77
Oct 2	73	81	68					Nov 13	79	84	82
Oct 9	83	86	78					Nov 20	82	88	86
Oct 16	88	90	85					Nov 27	84	90	90
Oct 23	93	95	91								
Oct 30	95	96	95								

Pennsylvania: Temperature, Precipitation & Snowfall, 2011, from the National Climatic Data Center ¹

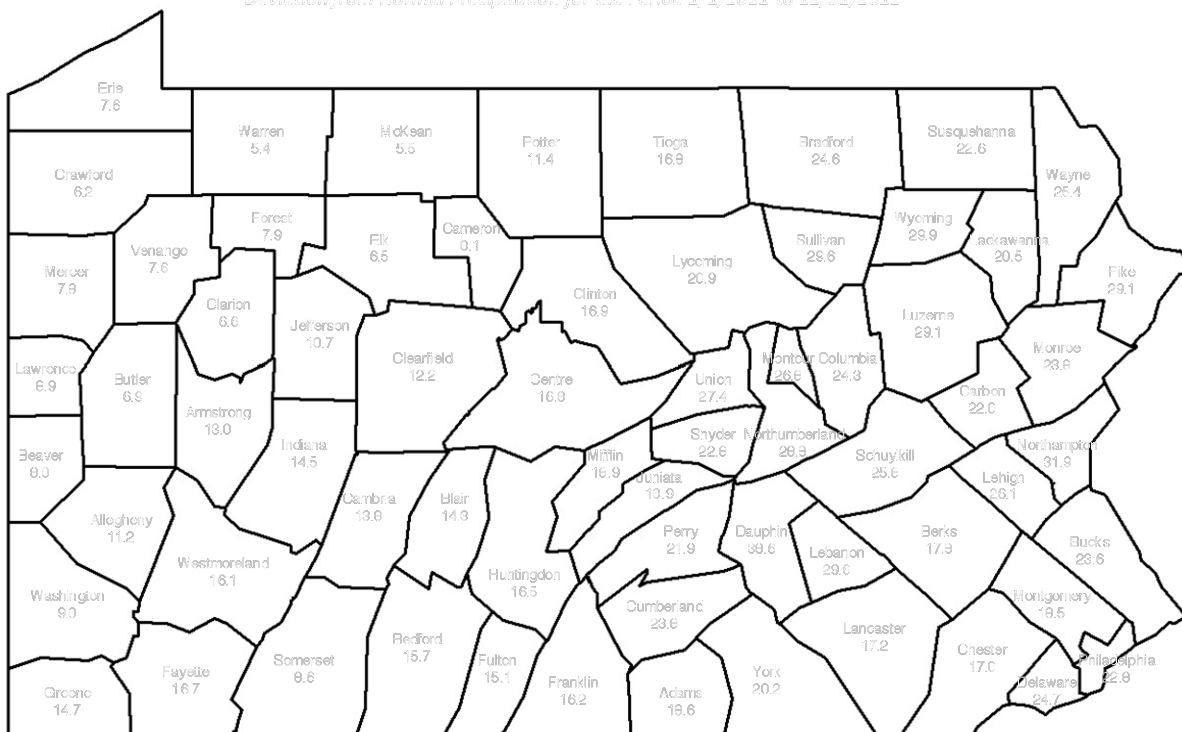
Division	2011											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
POCONO MOUNTAINS:												
Avg Temp., <i>Degrees</i>	24.7	29.4	37.4	45.8	56.0	63.7	71.6	70.6	64.6	50.5	40.0	31.0
Departure from Normal	1.1	3.4	2.8	.4	-.3	-.5	2.6	3.3	5.1	2.0	1.0	2.5
Precipitation, <i>Inches</i>	2.02	4.00	7.14	7.54	5.61	5.93	4.23	9.79	12.30	4.54	3.77	3.99
Departure from Normal	-1.33	1.31	3.76	3.62	1.17	1.42	.10	5.91	7.81	.96	-.09	.67
EAST CENTRAL MOUNTAINS:												
Avg Temp., <i>Degrees</i>	22.6	30.1	37.1	50.9	62.2	69.5	76.5	69.9	66.0	52.5	46.0	36.3
Departure from Normal	-4.6	.4	-1.3	2.2	2.7	1.9	3.7	-.8	3.1	.7	4.0	4.4
Precipitation, <i>Inches</i>	2.29	3.20	7.45	7.18	5.81	4.03	3.52	12.06	10.64	5.37	4.98	4.34
Departure from Normal	-1.35	.45	3.79	3.51	1.12	-.36	-.92	7.79	6.10	1.78	1.10	.79
SOUTHEAST PEIDMONT:												
Avg Temp., <i>Degrees</i>	26.2	32.9	40.5	54.0	64.5	72.4	79.0	73.1	67.9	54.3	47.5	39.2
Departure from Normal	-3.4	.6	-.3	3.1	3.4	2.6	4.4	.3	2.5	.4	3.3	4.5
Precipitation, <i>Inches</i>	2.79	2.76	6.11	7.04	4.11	2.87	2.78	12.80	12.79	4.15	4.46	4.17
Departure from Normal	-.90	-.01	2.36	3.37	-.34	-1.09	-1.72	8.98	8.46	.80	.83	.74
LOWER SUSQUEHANNA:												
Avg Temp., <i>Degrees</i>	25.8	32.3	40.1	53.6	64.2	72.1	78.3	73.2	66.9	53.1	47.0	38.3
Departure from Normal	-3.1	.5	-.3	2.9	3.6	2.8	4.3	1.1	2.2	.1	3.9	4.6
Precipitation, <i>Inches</i>	1.81	2.97	5.77	8.21	4.92	1.45	2.28	5.75	12.11	4.78	4.51	3.35
Departure from Normal	-1.54	.17	2.14	4.71	.66	-2.58	-1.32	2.40	8.02	1.59	1.07	.19
MIDDLE SUSQUEHANNA:												
Avg Temp., <i>Degrees</i>	23.5	28.8	37.2	50.2	62.4	69.8	75.8	70.5	65.2	51.7	45.0	35.9
Departure from Normal	-3.1	-.7	-1.0	1.2	3.2	2.2	3.6	.3	2.5	.6	3.7	4.5
Precipitation, <i>Inches</i>	1.26	3.36	7.11	9.28	7.24	3.30	3.44	7.76	18.27	5.50	3.66	3.82
Departure from Normal	-1.72	.76	3.77	5.84	3.29	-1.24	-.49	4.22	14.18	2.28	.12	.81
UPPER SUSQUEHANNA:												
Avg Temp., <i>Degrees</i>	20.0	23.3	31.6	45.3	58.5	66.1	72.3	67.0	62.5	49.0	43.1	32.8
Departure from Normal	-2.7	-1.5	-1.9	1.0	3.4	2.6	4.4	.9	3.9	1.5	5.0	5.1
Precipitation, <i>Inches</i>	1.47	4.15	5.84	9.53	6.90	2.05	1.96	6.18	11.63	5.03	3.03	3.53
Departure from Normal	-1.19	1.87	2.99	6.24	3.37	-2.26	-1.66	2.86	7.90	1.92	-.27	.78
CENTRAL MOUNTAINS:												
Avg Temp., <i>Degrees</i>	21.0	26.1	34.8	47.4	60.7	67.3	73.5	68.6	64.0	49.1	43.6	33.9
Departure from Normal	-3.6	-1.0	-.9	.7	4.1	2.3	4.2	.9	3.6	.1	4.1	4.4
Precipitation, <i>Inches</i>	1.60	4.39	5.61	9.02	5.52	2.90	1.76	5.68	8.61	5.20	3.43	3.80
Departure from Normal	-.98	2.02	2.40	5.69	1.73	-1.85	-2.34	1.88	4.68	2.17	-.05	1.01
SOUTH CENTRAL MOUNTAINS:												
Avg Temp., <i>Degrees</i>	22.3	29.5	36.8	49.8	61.4	68.1	74.3	69.1	64.1	50.1	44.5	34.7
Departure from Normal	-4.1	.4	-.7	1.7	3.4	1.8	3.7	.2	2.2	-.5	3.1	3.6
Precipitation, <i>Inches</i>	1.34	3.69	5.72	7.65	5.24	2.17	2.43	5.21	10.21	4.97	3.48	3.72
Departure from Normal	-1.64	1.03	2.15	4.03	1.08	-1.96	-1.63	1.80	6.49	1.83	-.07	.80
SOUTHWEST PLATEAU:												
Avg Temp., <i>Degrees</i>	22.9	30.1	37.4	51.1	61.1	67.8	74.3	70.3	64.5	51.4	45.8	36.1
Departure from Normal	-4.0	.6	-1.0	2.8	3.0	1.3	3.7	1.1	2.2	.5	4.5	4.4
Precipitation, <i>Inches</i>	2.31	3.89	4.57	6.69	5.35	3.08	4.22	3.97	6.84	4.86	4.00	3.45
Departure from Normal	-.68	1.23	1.01	3.13	1.15	-1.24	-.18	.06	3.04	2.08	.47	.29
NORTHWEST PLATEAU:												
Avg Temp., <i>Degrees</i>	19.6	24.0	31.7	45.2	58.3	65.3	71.5	67.3	62.7	48.6	43.4	33.0
Departure from Normal	17.3	21.4	28.3	40.7	52.7	58.9	64.7	60.6	56.7	43.7	39.5	30.1
Precipitation, <i>Inches</i>	2.01	4.55	5.40	8.15	6.92	2.89	1.54	5.09	6.33	5.15	4.01	4.19
Departure from Normal	-.83	2.11	2.11	4.57	3.11	-2.09	-2.76	.92	1.97	1.82	.29	.72

¹ Snowfall data no longer published by region from the National Climatic Data Center.

National Weather Service
Middle Atlantic River Forecast Center
Average County Precipitation for the Period 1/1/2011 to 12/31/2011



National Weather Service
Middle Atlantic River Forecast Center
Deviation from Normal Precipitation for the Period 1/1/2011 to 12/31/2011



Usual Planting and Harvesting Dates for Principal Pennsylvania Field and Vegetable Crops



Livestock, Dairy & Poultry



The total value of all cattle, hogs and sheep on Pennsylvania farms January 1, 2012, was \$1.9 billion, up 12 percent from the previous year. Cattle inventory was valued at \$1.75 billion on January 1, 2012, accounting for 92.4 percent of the total value of all livestock in Pennsylvania. Sheep inventory, valued at \$20.5 million, accounted for 1.1 percent of the total. Hog inventory, valued at \$123.2 million on December 1, 2011, accounted for 6.5 percent of the total livestock inventory value.

Cattle

All cattle in Pennsylvania totaled 1,610,000 head on January 1, 2012, unchanged from January 1, 2011. Of the total, 700,000 were cows and heifers that had calved. Milk cow inventory totaled 540,000, a 3,000 head decrease from 1 year earlier. The number of beef cows at 160,000 head, was up 3,000 head from last year. Heifers 500 pounds and over totaled 415,000, up 15,000 from January 1, 2011. There were 315,000 heifers for dairy replacement and 45,000 for beef cow replacement. Steers 500 pounds and over totaled 145,000. A total of 25,000 bulls 500 pounds and over were on hand. Calves under 500 pounds totaled 325,000, down 20,000 from the previous year. The 2011 Pennsylvania calf crop totaled 590,000 head, 10,000 less than the 2010 calf crop.

The gross income from cattle production was \$616 million in 2011, up 26 percent from the previous year. Pennsylvania ranked 5th in the United States in milk cow inventory on January 1, 2012, and 19th in cattle inventory.

Hogs

There were 1,120,000 hogs and pigs on Pennsylvania farms as of December 1, 2011, 10,000 head above the previous year. Breeding hog inventory, at 100,000 head, was unchanged from the previous year. A total of 1,020,000 market hogs and pigs were on hand as of December 1, 2011, 10,000 head above last year.

Pennsylvania's pig crop in 2011 totaled 1,903,000, down 3,000 head from 2010. A total of 189,000 sows farrowed in 2011, averaging 10.07 pigs per litter. The gross income from pork production was \$325.5 million for 2011, which was up 20 percent from 2010. Pennsylvania's hog inventory ranked 12th in the United States on December 1, 2011.

Sheep

January 1, 2012 sheep and lamb inventory totaled 89,000 head, down 9,000 head from January 1, 2011. Commonwealth flocks included 75,000 breeding sheep and lambs. The total lamb crop for 2011 was 64,000 lambs, down 6,000 head from 2010. Wool production totaled 355,000 pounds, 20,000 pounds less than 2010 wool production.

The value of wool produced during the year was \$156,000, up \$17,000 from 2010. Pennsylvania ranked 15th in the United States in sheep and lamb inventory as of January 1, 2012.

Goats

January 1, 2012 milk and meat goat inventory totaled 60,500 head, down 1,500 head from January 1, 2011. Commonwealth herds included 45,500 meat and other goats and 15,000 milk goats.

Red Meat Production

Pennsylvania red meat production, dressed weight basis, in commercial slaughter establishments totaled 1.28 billion pounds in 2011, up 1 percent from 2010. There were 213 commercial slaughter plants in Pennsylvania on January 1, 2012. Pennsylvania ranked 1st among all states in the number of commercial slaughter plants.

Commercial cattle slaughter totaled 989,500 head in 2011, 3 percent above the previous year. Total live weight for cattle slaughtered was 1.17 billion pounds. Average live weight at 1,192 pounds was 54 pounds below the 2010 average. Slaughter of calves weighing less than 500 pounds totaled 114,400 head, down 4 percent from 2010. Total live weight for calves slaughtered was 48.6 million pounds. The average live weight for calves, at 425 pounds, was down 4 pounds from 2010.

A total of 2,814,300 hogs were slaughtered in Pennsylvania in 2011, down 3 percent from 2010. Total live weight for hogs slaughtered was 729.3 million pounds. The average live weight for hogs slaughtered was 259 pounds, down 1 pound from 2010.

Sheep and lamb slaughter was at 40,500 head. Total live weight for sheep and lambs slaughtered was 3,966,000 pounds. Sheep and lambs slaughtered averaged 98 pounds live weight, up 1 pound from the previous year.

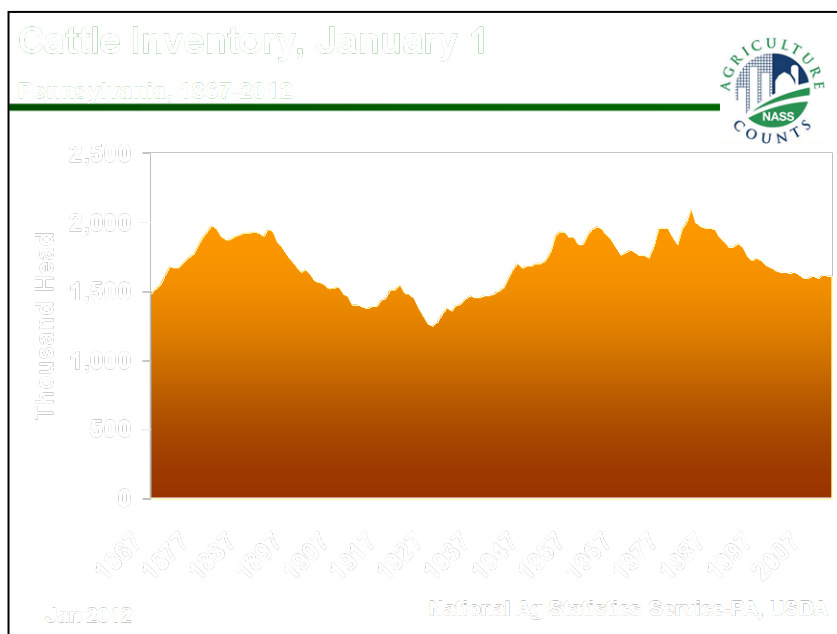
Pennsylvania ranked 13th among all states in commercial red meat production in 2011. Pennsylvania's rankings by number of head slaughtered were: 8th for cattle, 4th for calves, 10th for hogs, and 11th for sheep.

Pennsylvania: Livestock and Poultry Inventory, 2005-2012

Specie and Class	Number On Farms December 1						
	2005	2006	2007	2008	2009	2010	2011
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
Hogs and Pigs	1,100	1,080	1,170	1,120	1,140	1,110	1,120
Kept for Breeding	100	105	105	90	100	100	100
Market Hogs and Pigs	1,000	975	1,065	1,030	1,040	1,010	1,020
• Under 50 Pounds ¹	-	-	-	-	280	240	245
• Under 60 Pounds	310	300	345	320	-	-	-
• 50-119 Pounds ¹	-	-	-	-	330	340	350
• 60-119 Pounds	280	300	300	300	-	-	-
• 120-179 Pounds	215	185	220	215	220	200	210
• 180 Pounds and Over	195	190	200	195	210	230	215
Chickens, Excluding Broilers	28,926	28,303	26,700	25,883	28,199	29,550	28,894
Hens and Pullets of Laying Age	24,305	24,097	21,993	21,833	23,423	25,033	25,153
Pullets Not of Laying Age	4,511	4,092	4,612	3,945	4,665	4,411	3,620
Other Chickens, Excluding Broilers	110	114	104	105	111	106	121

Specie and Class	Number On Farms January 1						
	2006	2007	2008	2009	2010	2011	2012
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
Cattle and Calves	1,590	1,600	1,610	1,590	1,620	1,610	1,610
Cows and Heifers that have Calved	710	700	710	700	700	700	700
• Milk Cows	558	550	552	550	540	543	540
• Beef Cows	152	150	158	150	160	157	160
Heifers 500 Pounds and Over	360	375	375	370	390	400	415
• Milk Cow Replacement	275	270	275	270	300	310	315
• Beef Cow Replacement	40	40	40	40	40	40	45
• Other	45	65	60	60	50	50	55
Steers 500 Pounds and Over	150	160	160	160	150	140	145
Bulls 500 Pounds and Over	25	25	25	25	25	25	25
Calves Under 500 Pounds	345	340	340	335	355	345	325
Cattle and Calves On Feed	75	75	75	75	75	75	75
Sheep and Lambs	110	105	98	100	94	98	89
Breeding Sheep and Lambs	94	88	82	84	80	84	75
• Ewes (1 Year Old and Older)	73	66	63	64	63	62	56
• Rams (1 Year Old and Older)	6	6	5	6	5	6	6
• Replacement Lambs	15	16	14	14	12	16	13
Market Sheep and Lambs	16	17	16	16	14	14	14
• Lambs	14	14	13	13	12	11	11
• Sheep	2	3	3	3	2	3	3
Goats	47.2	49.8	57.0	56.5	59.0	62.0	60.5
• Meat Goats	37.0	38.0	44.0	42.0	42.0	46.0	45.5
• Milk Goats	10.2	11.8	13.0	14.5	17.0	16.0	15.0

¹ Weight group began in Dec 2009.



Pennsylvania: Livestock On Farms and Value, January 1, 1970-2012

Year	Hogs and pigs ¹		Cattle and calves		Sheep and lambs		3 Species
	Number	Value ²	Number	Value ²	Number	Value ²	Value ²
	(1,000)	(1,000 dols.)	(1,000)	(1,000 dols.)	(1,000)	(1,000 dols.)	(1,000 dols.)
1970	570	21,204	1,781	445,250	165	3,548	470,002
1980	870	50,460	1,950	1,423,500	105	6,405	1,480,365
1990	975	78,975	1,820	1,365,000	134	10,586	1,454,561
2000	1,050	71,400	1,650	1,452,000	81	9,720	1,533,120
2007	1,080	91,800	1,600	1,776,000	105	16,524	1,884,324
2008	1,170	79,560	1,610	2,093,000	98	16,856	2,189,416
2009	1,120	92,960	1,590	1,844,400	100	17,200	1,954,560
2010	1,140	88,920	1,620	1,571,400	94	15,980	1,676,300
2011	1,110	108,780	1,610	1,561,700	98	19,110	1,689,590
2012	1,120	123,200	1,610	1,754,900	89	20,470	1,898,570

¹ December 1 preceding year shown. ² Value of inventory.

Pennsylvania: Annual Pig Crop, 1970-2011

Year	Sows farrowed	Pigs per litter	Pig crop
1970	113,000	7.56	854,000
1980	172,000	7.45	1,282,000
1990	171,000	7.98	1,365,000
2000	194,000	8.72	1,692,000
2007	188,000	9.21	1,731,000
2008	162,000	9.48	1,536,000
2009	170,000	9.85	1,675,000
2010	195,000	9.77	1,906,000
2011	189,000	10.07	1,903,000

Pennsylvania: Calf Crop, 1970-2012

Year	All cows that have calved ¹		Heifers 500 pounds and over ¹		Calves under 500 pounds ¹	Calves born
	Milk cows	Beef cows	Milk cow replacement	Beef cow replacement		
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head) ²
1970	712	145	210	35	306	
1980	712	198	266	46	398	800
1990	694	166	285	39	363	780
2000	619	151	285	35	330	670
2007	550	150	270	40	340	620
2008	552	158	275	40	340	610
2009	550	150	270	40	335	610
2010	540	160	300	40	355	600
2011	543	157	310	40	345	590
2012	540	160	315	45	325	-

¹ January 1 inventory. ² Estimates began in 1977.

Pennsylvania: Lamb and Wool Crops, 1970-2011

Year	Breeding ewes 1 year & older Jan 1	Lambs per 100 ewes 1+ Jan 1	Lamb crop	Sheep and lambs shorn	Weight per fleece	Wool production	Value of wool production ¹
	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(pounds)	(1,000 pounds)	(1,000 dols.)
1970	122	101	123	152	7.3	1,110	477
1980	78	106	83	98	6.9	676	527
1990	95	105	100	107	6.9	739	288
2000	54	130	70	66	6.5	430	120
2007	66	102	67	64	6.7	430	133
2008	63	116	73	60	6.7	400	124
2009	64	102	65	54	6.5	350	116
2010	63	111	70	56	6.7	375	139
2011	62	103	64	52	6.8	355	156

¹ Value of production based on final State marketing year average price.

Pennsylvania: Goats - Number by Class, January 1, 2005-2012

Year	Angora goats ¹	Milk goats ²	Meat and other goats ²
	(head)	(head)	(head)
2005	-	11,000	35,200
2006	-	10,200	37,000
2007	-	11,800	38,000
2008	1,200	13,000	44,000
2009	1,100	14,500	42,000
2010	-	17,000	42,000
2011	-	16,000	46,000
2012	-	15,000	45,500

¹ Estimates began in 2008; discontinued in 2010. ² Estimates began in 2005.

Pennsylvania: All Cattle & Calves On Farms and Value, January 1, 2011 and 2010

County & District	2011		2010	
	Head	Value	Head	Value
	(number)	(dollars)	(number)	(dollars)
Adams	26,500	25,705,000	27,000	26,190,000
Allegheny	2,000	1,940,000	2,100	2,037,000
Armstrong	13,300	12,901,000	13,400	12,998,000
Beaver	7,700	7,469,000	7,800	7,566,000
Bedford	45,500	44,135,000	46,000	44,620,000
Berks	67,000	64,990,000	67,000	64,990,000
Blair	39,000	37,830,000	39,500	38,315,000
Bradford	64,000	62,080,000	64,000	62,080,000
Bucks	6,400	6,208,000	6,500	6,305,000
Butler	16,500	16,005,000	16,600	16,102,000
Cambria	10,000	9,700,000	10,100	9,797,000
Cameron	500	485,000	500	485,000
Carbon	1,100	1,067,000	1,100	1,067,000
Centre	29,000	28,130,000	29,500	28,615,000
Chester	40,500	39,285,000	41,000	39,770,000
Clarion	14,600	14,162,000	14,800	14,356,000
Clearfield	5,400	5,238,000	5,500	5,335,000
Clinton	15,800	15,326,000	16,000	15,520,000
Columbia	9,100	8,827,000	9,200	8,924,000
Crawford	42,000	40,740,000	42,500	41,225,000
Cumberland	59,000	57,230,000	59,000	57,230,000
Dauphin	15,000	14,550,000	15,100	14,647,000
Elk	2,700	2,619,000	2,700	2,619,000
Erie	14,100	13,677,000	14,200	13,774,000
Fayette	16,400	15,908,000	16,500	16,005,000
Forest	900	873,000	900	873,000
Franklin	110,000	106,700,000	110,000	106,700,000
Fulton	17,300	16,781,000	17,400	16,878,000
Greene	11,800	11,446,000	12,000	11,640,000
Huntingdon	29,000	28,130,000	29,000	28,130,000
Indiana	28,000	27,160,000	28,000	27,160,000
Jefferson	8,400	8,148,000	8,500	8,245,000
Juniata	19,400	18,818,000	19,500	18,915,000
Lackawanna	3,700	3,589,000	3,800	3,686,000
Lancaster	270,000	261,900,000	270,000	261,900,000
Lawrence	17,700	17,169,000	17,900	17,363,000
Lebanon	57,000	55,290,000	57,000	55,290,000
Lehigh	3,600	3,492,000	3,600	3,492,000
Luzerne	5,000	4,850,000	5,000	4,850,000
Lycoming	19,500	18,915,000	19,700	19,109,000
McKean	4,000	3,880,000	4,100	3,977,000
Mercer	28,500	27,645,000	28,500	27,645,000
Mifflin	32,500	31,525,000	33,000	32,010,000
Monroe	1,000	970,000	1,000	970,000
Montgomery	4,300	4,171,000	4,300	4,171,000
Montour	7,700	7,469,000	7,700	7,469,000
Northampton	6,300	6,111,000	6,400	6,208,000
Northumberland	21,000	20,370,000	21,000	20,370,000
Perry	27,500	26,675,000	28,000	27,160,000
Pike	200	194,000	200	194,000
Potter	13,100	12,707,000	13,200	12,804,000
Schuylkill	12,000	11,640,000	12,100	11,737,000
Snyder	25,500	24,735,000	26,000	25,220,000
Somerset	45,000	43,650,000	45,000	43,650,000
Sullivan	3,900	3,783,000	4,000	3,880,000
Susquehanna	29,500	28,615,000	30,000	29,100,000
Tioga	27,500	26,675,000	28,000	27,160,000
Union	21,500	20,855,000	21,500	20,855,000
Venango	5,500	5,335,000	5,600	5,432,000
Warren	10,600	10,282,000	10,800	10,476,000
Washington	25,500	24,735,000	25,500	24,735,000
Wayne	12,500	12,125,000	12,600	12,222,000
Westmoreland	29,000	28,130,000	29,500	28,615,000
Wyoming	5,900	5,723,000	6,000	5,820,000
York	45,500	44,135,000	46,000	44,620,000
Southeastern, Combined Counties	100	97,000	100	97,000
Northwestern	101,600	98,552,000	102,500	99,425,000
North Central	151,000	146,470,000	152,200	147,634,000
Northeastern	51,600	50,052,000	52,400	50,828,000
West Central	106,200	103,014,000	107,000	103,790,000
Central	291,600	282,852,000	294,600	285,762,000
East Central	29,200	28,324,000	29,400	28,518,000
Southwestern	129,700	125,809,000	130,600	126,682,000
South Central	303,800	294,686,000	305,400	296,238,000
Southeastern	445,300	431,941,000	445,900	432,523,000
Pennsylvania	1,610,000	1,561,700,000	1,620,000	1,571,400,000

¹Counties not shown separately included in Combined Counties for that specific district. The district map and county listing can be found on the inside back cover of the publication.

Pennsylvania: Hogs & Pigs On Farms and Value, 2007 and 2002

Data taken from the 2007 and 2002 Census of Agriculture publications

State and county	2007		2002	
	Head (number)	Value (1,000 dols.)	Head (number)	Value (1,000 dols.)
Pennsylvania	1,167,449	336,437	1,226,845	269,318
Adams	18,738	6,094	15,122	3,040
Allegheny	133	17	292	99
Armstrong	1,913	(D)	2,020	159
Beaver	1,341	(D)	484	(D)
Bedford	16,253	5,804	14,243	3,814
Berks	71,199	17,974	61,517	13,460
Blair	455	155	1,336	234
Bradford	27,688	9,577	30,013	7,314
Bucks	390	64	1,546	85
Butler	1,512	192	2,650	633
Cambria	835	129	2,179	213
Cameron	163	21	(D)	(D)
Carbon	160	11	246	29
Centre	5,267	1,514	7,054	1,141
Chester	18,329	4,659	12,860	2,408
Clarion	1,022	129	1,297	213
Clearfield	298	24	483	54
Clinton	1,630	75	1,164	277
Columbia	8,362	1,704	11,602	2,091
Crawford	2,125	207	2,642	217
Cumberland	13,102	4,451	13,560	2,843
Dauphin	21,604	6,252	5,545	726
Delaware	(D)	(D)	-	(D)
Elk	202	20	217	20
Erie	1,000	115	1,752	264
Fayette	4,208	496	1,736	210
Forest	50	18	224	28
Franklin	94,842	25,951	105,131	20,193
Fulton	28,647	9,157	22,382	5,237
Greene	211	21	409	26
Huntingdon	16,574	4,703	12,123	2,053
Indiana	3,410	290	1,196	253
Jefferson	518	71	500	106
Juniata	34,940	10,356	38,913	7,463
Lackawanna	52	5	29	7
Lancaster	355,023	103,331	386,801	86,314
Lawrence	2,660	332	7,359	1,192
Lebanon	99,985	26,765	112,809	27,213
Lehigh	4,127	1,273	2,896	496
Luzerne	503	21	395	(D)
Lycoming	20,174	5,728	20,279	4,304
McKean	311	28	317	47
Mercer	3,182	499	4,877	799
Mifflin	18,388	8,468	22,528	5,236
Monroe	94	9	134	13
Montgomery	7,886	1,064	4,795	1,006
Montour	596	(D)	784	147
Northampton	409	73	3,255	253
Northumberland	39,340	12,393	35,453	7,850
Perry	61,534	14,765	63,098	14,888
Philadelphia	(D)	(D)	-	-
Pike	-	-	8	1
Potter	(D)	148	514	29
Schuylkill	20,136	6,433	21,876	4,731
Snyder	36,157	12,538	49,087	12,129
Somerset	3,863	738	1,606	233
Sullivan	124	7	(D)	4
Susquehanna	373	55	436	62
Tioga	19,419	5,446	33,245	7,635
Union	28,265	11,298	19,822	5,539
Venango	(D)	53	769	(D)
Warren	444	59	299	26
Washington	(D)	120	1,743	195
Wayne	452	49	1,261	163
Westmoreland	1,272	148	2,933	331
Wyoming	316	28	142	19
York	39,186	12,579	54,698	13,388

- Represents zero. (D) Withheld to avoid disclosing data for individual farms.

Pennsylvania: Sheep & Lambs On Farms and Value, 2007 and 2002

Data taken from the 2007 and 2002 Census of Agriculture publications

State and county	2007		2002	
	Head (number)	Value (1,000 dols.)	Head (number)	Value (1,000 dols.)
Pennsylvania	96,883	10,322	102,890	7,355
Adams	2,183	275	1,375	(D)
Allegheny	603	43	858	(D)
Armstrong	1,036	72	1,214	48
Beaver	1,173	90	1,412	60
Bedford	3,695	329	3,452	198
Berks	2,483	247	1,979	166
Blair	732	227	599	117
Bradford	1,845	133	2,489	119
Bucks	2,312	176	1,918	85
Butler	1,510	(D)	2,342	91
Cambria	2,622	180	2,463	101
Cameron	-	-	(D)	(D)
Carbon	595	35	244	22
Centre	1,599	240	2,191	294
Chester	3,032	271	2,856	142
Clarion	975	250	1,004	78
Clearfield	174	(D)	94	(D)
Clinton	256	27	342	(D)
Columbia	400	48	764	27
Crawford	1,967	270	1,585	82
Cumberland	876	170	1,539	166
Dauphin	2,979	384	3,297	261
Delaware	136	14	101	22
Elk	115	3	103	5
Erie	619	47	825	33
Fayette	973	92	1,204	82
Forest	(D)	(D)	(D)	(D)
Franklin	2,265	214	2,903	355
Fulton	953	(D)	718	90
Greene	3,513	235	3,912	209
Huntingdon	1,277	115	1,286	185
Indiana	1,945	141	2,604	109
Jefferson	653	71	826	(D)
Juniata	1,742	223	1,896	142
Lackawanna	354	(D)	166	(D)
Lancaster	5,954	866	6,125	507
Lawrence	1,805	252	1,912	86
Lebanon	1,765	165	1,636	106
Lehigh	1,237	142	1,031	33
Luzerne	638	38	467	21
Lycoming	1,192	91	1,815	80
McKean	266	32	217	11
Mercer	2,525	206	2,251	86
Mifflin	1,226	213	972	113
Monroe	290	26	337	18
Montgomery	968	61	1,689	89
Montour	121	19	583	38
Northampton	578	50	564	(D)
Northumberland	1,027	117	1,217	59
Perry	1,523	121	1,518	93
Philadelphia	18	(D)	(D)	-
Pike	151	3	62	5
Potter	665	130	701	30
Schuylkill	431	49	311	12
Snyder	998	68	1,222	70
Somerset	2,797	414	2,164	349
Sullivan	(D)	6	455	10
Susquehanna	1,756	201	1,635	312
Tioga	2,292	369	2,840	131
Union	581	177	416	49
Venango	928	75	865	(D)
Warren	462	(D)	556	23
Washington	8,506	481	9,146	544
Wayne	836	42	1,081	20
Westmoreland	2,432	433	2,783	477
Wyoming	390	62	1,044	49
York	4,812	423	4,606	(D)

- Represents zero. (D) Withheld to avoid disclosing data for individual farms.

Pennsylvania: Commercial Slaughter of Livestock, 2010-2011¹

Month	Number of head		Live weight			
			Per head		Total pounds	
	2010	2011	2010	2011	2010	2011
	(number)	(number)	(number)	(number)	(1,000 lbs.)	(1,000 lbs.)
CATTLE						
January	74,500	78,800	1,263	1,253	93,078	97,869
February	68,200	75,000	1,270	1,232	85,451	91,508
March	87,500	87,600	1,271	1,209	109,816	105,008
April	75,600	78,800	1,257	1,200	93,707	93,662
May	74,400	78,200	1,275	1,187	93,852	91,959
June	79,400	82,000	1,238	1,117	97,385	95,359
July	80,100	74,900	1,215	1,170	96,401	86,690
August	82,700	86,200	1,219	1,159	99,694	98,726
September	84,000	89,200	1,228	1,179	101,941	104,160
October	81,000	89,200	1,228	1,169	98,391	103,920
November	86,000	84,600	1,250	1,190	106,530	100,332
December	87,600	84,700	1,249	1,189	108,379	100,380
Annual	960,800	989,500	1,246	1,192	1,184,623	1,169,574
CALVES						
January	10,100	9,500	431	425	4,344	4,041
February	9,700	8,800	431	420	4,173	3,697
March	11,000	10,800	425	422	4,652	4,554
April	10,300	9,800	430	425	4,415	4,162
May	9,500	9,600	432	431	4,119	4,113
June	9,400	10,100	431	427	4,041	4,828
July	9,500	8,500	428	426	4,051	3,617
August	10,300	9,600	425	426	4,358	4,102
September	10,100	9,200	428	422	4,315	3,877
October	9,900	8,900	432	421	4,292	3,765
November	9,600	10,000	427	427	4,087	4,264
December	10,300	9,500	429	426	4,424	4,058
Annual	119,600	114,400	429	425	51,271	48,577
SHEEP AND LAMBS						
January	2,100	2,300	100	100	212	232
February	1,800	1,900	100	99	177	191
March	4,700	2,600	91	99	429	259
April	3,100	4,600	97	92	298	423
May	2,900	2,900	98	97	286	285
June	3,500	3,300	97	96	340	320
July	3,000	3,100	98	97	289	302
August	4,000	4,400	99	99	397	439
September	3,300	3,600	99	98	326	354
October	3,000	3,600	98	98	293	354
November	3,200	3,800	98	102	313	383
December	3,700	4,300	97	99	355	424
Annual	38,200	40,500	97	98	3,715	3,966
HOGS AND PIGS						
January	232,900	230,600	262	264	61,045	60,845
February	229,800	216,100	262	263	60,074	56,794
March	274,400	240,100	262	260	71,761	62,421
April	235,900	214,100	261	258	61,571	55,170
May	224,200	226,900	258	257	57,837	58,331
June	241,300	234,600	255	254	61,368	59,585
July	215,300	206,100	254	253	54,541	52,112
August	238,300	248,900	255	254	60,751	63,217
September	248,100	243,400	260	260	64,510	63,290
October	245,200	241,300	265	263	64,796	63,464
November	253,800	251,900	264	264	66,881	66,574
December	271,200	261,000	262	259	70,844	67,496
Annual	2,910,400	2,814,300	260	259	755,972	729,297

¹ Months may not add to annual due to rounding. Includes slaughter in federally inspected and in other slaughter plants, but excludes animals slaughtered on farms.

Pennsylvania: Commercial Slaughter of Livestock, 1970-2011

Year	Cattle		Calves		Sheep & Lambs		Hogs	
	Head	Total Live Weight	Head	Total Live Weight	Head	Total Live Weight	Head	Total Live Weight
	(1,000 head)	(1,000 lbs.)	(1,000 head)	(1,000 lbs.)	(1,000 head)	(1,000 lbs.)	(1,000 head)	(1,000 lbs.)
1970	745.5	841,645	374.4	50,165	106.9	9,706	3,783	847,031
1980	715.5	813,313	253.9	38,746	153.3	15,602	3,388	760,776
1990	961.7	1,148,528	234.6	55,167	119.7	12,337	1,909.4	447,534
2000	991.7	1,259,998	182.5	65,940	60.3	5,327	2,474.2	610,062
2007	945.6	1,176,021	171.5	67,285	55.0	5,273	2,956.9	746,889
2008	998.7	1,249,851	160.8	59,460	54.8	5,320	3,010.9	768,928
2009	928.5	1,152,461	129.5	55,108	46.3	4,537	3,008.3	774,417
2010	960.8	1,184,623	119.6	51,271	38.2	3,715	2,910.4	755,972
2011	989.5	1,169,574	114.4	48,577	40.5	3,966	2,814.3	729,297

Pennsylvania: Cattle and Calves - Production, Disposition and Income, 1970-2011

Year	Inventory January 1	Calf Crop	Inshipments	Marketings		Farm Slaughter	Deaths		Inventory January 1 Following	Gross Income ¹
				Cattle	Calves		Cattle	Calves		
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 dols.)
1970	1,781	831	120	396	455	22	26	70	1,763	128,514
1980	1,950	800	120	435	286	24	35	90	2,000	329,108
1990	1,820	770	100	480	295	11	24	60	1,820	460,870
2000	1,650	670	100	448	246	10	29	47	1,640	410,373
2007	1,600	620	135	418	226	10	36	55	1,610	482,948
2008	1,610	610	145	448	236	10	36	45	1,590	513,561
2009	1,590	610	145	414	216	10	38	47	1,620	432,552
2010	1,620	600	120	426	215	11	35	43	1,610	487,300
2011	1,610	590	140	440	207	9	32	42	1,610	616,466

¹ Value of marketings and home consumption.

Pennsylvania: Hogs and Pigs - Production, Disposition and Income, 1970-2011

Year	Inventory December 1 ¹	Pigs Saved	Inshipments	Marketings	Farm Slaughter	Deaths	Inventory December 1	Gross Income ²
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 dols.)
1970	570	854	n/a	659	46.0	92	627	38,462
1980	870	1,282	n/a	948	64.0	160	980	89,466
1990	975	1,365	87	1,425	17.0	65	920	183,277
2000	1,050	1,692	84	1,715	8.5	72	1,030	156,348
2007	1,080	1,731	613	2,116	7.0	131	1,170	211,367
2008	1,170	1,536	297	1,731	5.0	147	1,120	174,746
2009	1,120	1,675	312	1,788	4.0	175	1,140	173,256
2010	1,140	1,906	385	2,149	3.0	169	1,110	270,006
2011	1,110	1,913	289	2,010	2.0	170	1,130	325,457

¹ December 1 preceding year. ² Value of marketings and home consumption.

Pennsylvania: Sheep and Lambs - Production, Disposition and Income, 1970-2011

Year	Inventory January 1	Lambs Saved	Marketings		Farm Slaughter	Deaths		Inventory January 1 Following	Gross Income ¹
			Sheep	Lambs		Sheep	Lambs		
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 dols.)
1970	165	123	17.0	75.0	3.0	20.0	13.0	160	1,905
1980	105	83	10.0	47.0	5.0	11.0	10.0	105	3,169
1990	134	100	21.0	54.0	2.0	5.0	12.0	140	4,038
2000	81	70	7.3	51.0	1.2	3.5	8.5	81	4,542
2007	105	67	16.6	44.8	1.7	4.0	8.0	98	5,924
2008	98	73	8.8	48.8	1.7	4.0	9.0	100	6,006
2009	100	65	13.4	45.8	1.7	4.0	7.0	94	6,018
2010	94	70	6.5	44.6	2.1	5.0	9.0	98	6,181
2011 ²	-	-	-	-	-	-	-	-	-

¹ Value of marketings and home consumption. ² Data series discontinued.

Cattle Death Loss, 2010

Cattle and calf losses from animal predators and non-predator causes in Pennsylvania totaled 78,000 head. This report provides breakouts of cattle and calf losses by predators and non-predator causes, as well as data on non-lethal predator control measures.

Cattle and calf losses from animal predators totaled 700 head. This represented 0.9 percent of the total losses from all causes and resulted in a loss of \$280,000 to farmers and ranchers.

Cattle and calf losses from non-predator causes totaled 77,300 head or 99.1 percent of the total losses. Respiratory problems was the leading cause of non-predator deaths in calves, accounting for 39.0 percent, followed by digestive problems at 25.3 percent.

Mastitis was the leading cause of non-predator deaths in cattle, accounting for 16.8 percent, followed by respiratory problems at 14.3 percent.

Farmers and ranchers throughout Pennsylvania used many methods to control predators. Use of exclusion fencing was the most common method at 78.4 percent. Culling, livestock carcass removal and frequent checks were the next most commonly used methods of preventing cattle and calf losses at 21.2 percent, 17.5 percent, and 15.2 percent respectively.

This report is released as a cooperative effort between the National Agricultural Statistics Service and Animal and Plant Health Inspection Service - Wildlife Services and Veterinary Services.

Pennsylvania: Losses of Cattle and Calves, By All Causes, Predators and Non-Predators, 2010

All causes		Predators		Non-predators	
Cattle	Calves	Cattle	Calves	Cattle	Calves
(head)	(head)	(head)	(head)	(head)	(head)
35,000	43,000	100	600	34,900	42,400

Pennsylvania: Losses of Cattle and Calves from Predators and Non-Predator Causes, Total Value per Head and Total Value, 2010

Value per head		Total value predator losses		Total value non-predator losses	
Cattle ¹	Calves ²	Cattle	Calves	Cattle	Calves
(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
996	300	100	180	34,760	12,720

¹ Cattle value per head is based on a two-year straight average of the value of beef cows reported in the January 1 Cattle survey from 2010 and 2011.

² Calf value per head is based on the market year average calf price. An average weight of 300 pounds was used.

Pennsylvania: Losses of Cattle and Calves, Number from Specified Problems, 2010

Digestive problems		Respiratory problems		Metabolic problems		Lameness/injury	
Cattle	Calves	Cattle	Calves	Cattle	Calves	Cattle	Calves
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
10.1	25.3	14.3	39.0	6.1	0.4	13.2	1.3
Mastitis		Weather related		Calving problems		Poisoning	
Cattle	Calves	Cattle	Calves	Cattle	Calves	Cattle	Calves
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
16.8	¹	1.3	2.5	10.1	12.9	0.3	0.6

¹ Data not published to avoid disclosure of individual operations or are less than 100 head.

Pennsylvania: Non-Lethal Methods Used to Prevent Losses of Cattle and Calves to Predators, 2010

Guard animals	Exclusion fencing	Herding	Night penning	Frequent checks	Fright tactics	Livestock carcass removal	Culling
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
6.3	78.4	5.6	5.7	15.2	2.0	17.5	21.2

Sheep & Goat Death Loss, 2009

By Adam W. Pike

Sheep and lamb losses from animal predators and non-predator causes in Pennsylvania totaled 11,000. Losses of sheep totaled 4,000 head or 36.4% of total losses. Lamb losses were 7,000 head or 63.6% of the total. Animal predator losses in Pennsylvania totaled 1,700 head. This represents 15.5% of the total losses from all causes and resulted in a loss of \$313,000 to farmers and ranchers. Non-predator losses of sheep and lamb totaled 9,300 or 84.5 percent of the total losses and resulted in a loss of \$976,000 to farmers and ranchers. Old age was the leading cause of non-predator deaths among sheep, while lambing problems, such as dystocia, were reported to be the leading cause of deaths among lambs.

Sheep and lamb losses from animal predators and non-predator causes in the United States totaled 634,500. Losses of sheep totaled 234,500 head or 37.0 percent of total losses. Lamb losses were 400,000 head or 63.0 percent of the total.

Animal predator losses totaled 247,200 head. This represents 39.0 percent of the total losses from all causes and resulted in a loss of \$20.5 million to farmer and ranchers. Non-predator losses of sheep & lamb totaled 387,300 or 61.0 percent of the total losses and resulted in a loss of \$36.3 million to farmers and ranchers. Harsh conditions during the 2009 winter resulted in weather related problems being the leading cause of non-predator deaths accounting for 21.5%. Digestive problems (such as enterotoxemia, internal parasites) followed for a combined 17.3 percent of non-predator deaths.

Goat and kid losses from all causes totaled 554,000 head in 2009. Diseases and other known causes accounted for 255,000 deaths or 46.0 percent of the total deaths. Predators accounted for 180,000 deaths or 32.5 percent of the total while the remainder of goat and kid losses at 119,000 21.5 percent resulted from unknown causes.

Losses of Sheep & Lambs from Predators: Number of Head, Pennsylvania and United States, 2009

Predator	Pennsylvania		United States	
	Sheep (number)	Lamb (number)	Sheep (number)	Lamb (number)
Known Predators	600	400	67,400	157,900
Unknown Predators	300	400	8,300	13,600
Total	900	800	75,700	171,500

Losses of Sheep & Lambs from Non-Predators: Number of Head, Pennsylvania and United States, 2009

Non-Predator	Pennsylvania		United States	
	Sheep (number)	Lamb (number)	Sheep (number)	Lamb (number)
Enterotoxemia	100	100	2,900	14,500
Parasites	500	400	12,300	18,100
Other Digestive Problems ¹	100	200	5,800	13,500
Respiratory Problems ²	100	400	7,600	28,900
Metabolic Problems ³	100	100	900	1,900
Other Diseases ⁴	100	-	7,700	6,100
Weather Related ⁵	200	1,600	24,900	58,400
Lambing Problems ⁶	400	2,000	19,800	33,100
Old Age	800	N/A	39,300	N/A
On Their Back	100	-	2,900	400
Poisoning ⁷	100	200	5,000	5,100
Theft	-	-	800	1,100
Other Non-Predator ⁸	100	200	6,900	15,300
Unknown Non-Predator	400	1,000	22,000	32,100
Total	3,100	6,200	158,800	228,500

¹ Other digestive problems include bloat, scours, acidosis, etc. ² Respiratory problems include pneumonia, shipping fever, etc. ³ Metabolic problems include milk fever, twin lamb disease, pregnancy toxemia, etc. ⁴ Unpublished data for PA for lambs only. Other diseases include mastitis, foot rot, boils, etc. ⁵ Weather related deaths include chilling, drowning, lightning, etc. ⁶ Estimates shown here are after docking losses only. ⁷ Poisoning includes nitrate poisoning, noxious feeds, noxious weeds, etc. ⁸ Other non-predator deaths include accidents, fire, starvation, dehydration, etc.

Losses of All Goats: Number by Predators, Diseases or Other Known Causes, Unknown Causes, and Total Value, Pennsylvania, 2009

Item	Losses	
	Goats (head)	Kids (head)
Predator	60,000	120,000
Diseases and Other Known Causes	80,000	175,000
Unknown Causes	41,000	78,000
Total	181,000	373,000

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Milk Production Down: Pennsylvania's milk production for 2011 was 10.6 billion pounds, 133 million pounds less than 2010 production. The 2011 average milk production per cow was 19,601 pounds for the year, 246 pounds less than 2010 production of 19,847 pounds per cow.

Pennsylvania held steady at 5th place in the nation's ranking in milk production, producing 5.4 percent of the nation's milk. California was 1st with 21.1 percent of the U.S. production, followed by Wisconsin, Idaho, and New York respectively.

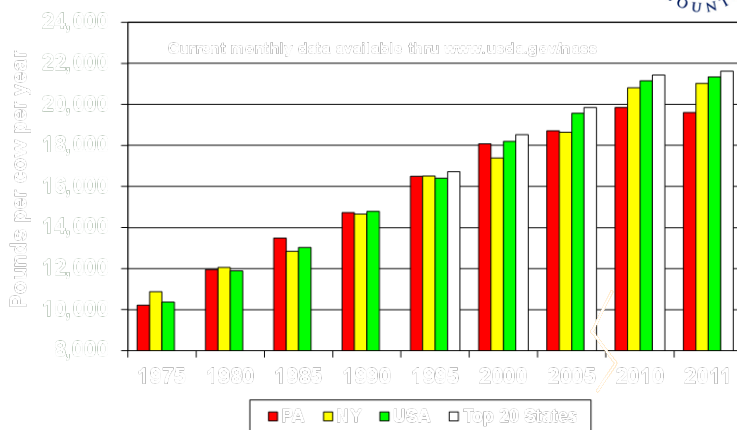
The number of milk cows in the State averaged 541,000 head in 2011, the same as 2010.

Milk Disposition & Income: Gross income from marketings of Pennsylvania milk during 2011 totaled 2.34 billion dollars, up 370.2 million dollars from 2010. Marketings totaled 10.6 billion pounds in 2011, down 129 million pounds from 2010. Returns from both wholesale and retail sales in 2011 averaged \$22.10 per hundred pounds of milk, compared with \$18.30 per hundred pounds in 2010.

An estimated 50 million pounds of milk were used on farms where produced. Calves in the Commonwealth were fed 38 million pounds of milk, while 12 million pounds were used by producer's households as fluid milk, cream and butter.

Production Costs: Monthly cost of production statistics were discontinued in July 2005. Statistics prior to this time may be obtained by contacting this office.

Annual Milk Production per Cow



Feb 2012

National Ag Statistics Service-PA, USDA

PA Average Milk Price, Wholesale



Jun 2012

National Ag Statistics Service-PA, USDA
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Pennsylvania: Milk Cows, Milk Production and Milk Price, By Months, 2001-2011

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk cows on farm ¹ (1,000 head)													
2001	607	602	600	599	599	600	600	598	596	596	596	592	599
2002	587	583	581	581	580	582	584	585	587	591	591	590	585
2003	590	588	585	582	580	578	574	571	566	562	560	562	575
2004	563	564	564	561	557	557	559	560	562	563	563	565	562
2005	564	560	560	563	565	563	561	562	561	558	556	557	561
2006	557	555	555	557	556	555	555	554	553	552	550	549	554
2007	549	548	550	550	549	549	550	550	550	551	550	550	550
2008	552	551	549	549	548	546	546	548	548	549	548	548	549
2009	550	551	550	549	547	545	545	545	542	539	538	539	545
2010	541	541	541	541	541	541	541	541	542	541	542	543	541
2011	543	543	543	543	543	542	540	539	537	538	538	539	541
Milk production per cow (pounds)													
2001	1,520	1,420	1,580	1,540	1,600	1,520	1,510	1,480	1,450	1,500	1,460	1,540	18,112
2002	1,570	1,460	1,630	1,600	1,650	1,535	1,525	1,515	1,460	1,495	1,460	1,515	18,419
2003	1,540	1,430	1,600	1,575	1,600	1,480	1,500	1,480	1,415	1,455	1,420	1,480	17,979
2004	1,500	1,425	1,570	1,550	1,605	1,495	1,510	1,475	1,415	1,465	1,420	1,490	17,904
2005	1,540	1,420	1,600	1,600	1,675	1,595	1,590	1,575	1,500	1,550	1,500	1,580	18,722
2006	1,650	1,550	1,700	1,650	1,700	1,620	1,600	1,580	1,560	1,600	1,560	1,620	19,390
2007	1,640	1,500	1,710	1,690	1,720	1,590	1,610	1,610	1,550	1,610	1,580	1,620	19,422
2008	1,630	1,540	1,680	1,670	1,720	1,630	1,630	1,590	1,530	1,570	1,510	1,580	19,262
2009	1,630	1,490	1,670	1,640	1,710	1,630	1,640	1,610	1,560	1,600	1,560	1,620	19,360
2010	1,630	1,520	1,730	1,715	1,750	1,660	1,680	1,670	1,600	1,640	1,600	1,640	19,847
2011	1,640	1,510	1,710	1,690	1,730	1,620	1,630	1,640	1,590	1,620	1,580	1,650	19,601
Total milk production (million pounds)													
2001	923	855	948	922	958	912	906	885	864	894	870	912	10,849
2002	922	851	947	930	957	893	891	886	857	884	863	894	10,775
2003	909	841	936	917	928	855	861	845	801	818	795	832	10,338
2004	845	804	885	870	894	833	844	826	795	825	799	842	10,062
2005	869	795	896	901	946	898	892	885	842	865	834	880	10,503
2006	919	860	944	919	945	899	888	875	863	883	858	889	10,742
2007	900	822	941	930	944	873	886	886	853	887	869	891	10,682
2008	900	849	922	917	943	890	890	871	838	862	827	866	10,575
2009	897	821	919	900	935	888	894	877	846	862	839	873	10,551
2010	882	822	936	928	947	898	909	903	867	887	867	891	10,737
2011	891	820	929	918	939	878	880	884	854	872	850	889	10,604
Wholesale milk price (dollars per cwt.)													
2001	14.50	14.60	15.70	16.30	17.00	17.70	17.60	17.80	18.50	17.30	16.80	14.90	16.60
2002	15.00	14.90	14.40	14.20	13.60	13.30	12.80	13.10	13.20	13.60	13.90	13.80	13.80
2003	13.70	13.00	12.50	12.50	12.50	12.50	13.00	13.90	15.90	16.70	16.30	15.90	14.00
2004	14.90	15.30	16.70	18.00	20.60	20.70	18.70	16.50	17.00	17.50	17.70	18.00	17.60
2005	17.90	16.90	17.50	16.60	16.50	15.90	16.30	16.60	17.00	17.30	17.10	16.60	16.90
2006	16.30	15.80	14.80	13.80	13.50	13.50	13.50	13.80	14.10	15.20	15.40	15.50	14.60
2007	16.20	16.50	17.20	18.00	19.30	21.30	23.40	23.70	23.80	23.50	23.90	23.10	20.90
2008	22.60	21.00	19.10	19.90	19.30	20.30	21.40	20.50	20.40	19.30	19.20	17.10	20.00
2009	16.20	13.50	13.00	13.40	13.40	12.90	13.00	13.30	14.20	15.80	16.80	17.90	14.40
2010	18.00	18.10	17.00	16.30	16.90	17.50	18.10	18.50	19.60	20.30	20.20	18.90	18.30
2011	18.90	20.60	22.00	21.50	22.10	22.90	23.50	24.10	23.70	22.20	22.20	21.40	22.10

¹ Average number of cows both dry and in milk.

Pennsylvania: Milk Used and Marketed by Farmers, 2001-2011

Year	Production of milk and milkfat			Milk used where produced			Milk marketed by producers			Value of milk produced ^{3 4}
	Total		Percent of fat, all milk	Fed to calves ¹	Used for milk, cream and butter	Total	Sold to plants and dealers as whole milk	Sold directly to consumers ²	Total	
	Milk	Milkfat								
	(mil lbs.)	(mil lbs.)	(percent)	(mil lbs.)	(mil lbs.)	(mil lbs.)	(mil lbs.)	(mil lbs.)	(mil lbs.)	(1,000 dols.)
2001	10,849	400.3	3.69	40	4	44	10,690	115	10,805	1,800,934
2002	10,775	399.8	3.71	30	3	33	10,632	110	10,742	1,486,950
2003	10,338	385.6	3.73	40	21	61	10,241	36	10,277	1,447,320
2004	10,062	368.3	3.66	46	17	63	9,963	36	9,999	1,770,912
2005	10,503	384.4	3.66	45	21	66	10,402	35	10,437	1,775,007
2006	10,742	399.6	3.72	35	18	53	10,644	45	10,689	1,568,332
2007	10,682	395.2	3.70	44	20	64	10,579	39	10,618	2,232,538
2008	10,575	393.4	3.72	48	16	64	10,468	43	10,511	2,115,000
2009	10,551	391.4	3.71	48	18	66	10,435	50	10,485	1,519,344
2010	10,737	394.0	3.67	39	15	54	10,629	54	10,683	1,964,871
2011	10,604	394.5	3.72	38	12	50	10,506	48	10,554	2,343,484

¹ Excludes milk sucked by calves. ² Sales directly to consumers by producers who sell only milk from their own herds. ³ Value at average returns per 100 pounds of milk in combined marketings of milk and cream. ⁴ Includes value of milk fed to calves.

Pennsylvania: Number of Milk Cows, Production and Value of Production, 2011

County & District	Number of milk cows		Production ³		Value of production ⁴
	Jan. 1, 2012 inventory (number)	2011 average (number)	Per cow (pounds)	Total (1,000 lbs.)	
Adams	8,000	8,000	21,250	170,000	37,570
Allegheny	200	200	16,500	3,300	729
Armstrong	3,500	3,500	18,286	64,000	14,144
Beaver	1,800	1,800	18,611	33,500	7,404
Bedford	17,000	17,100	16,667	285,000	62,985
Berks	22,500	22,700	19,383	440,000	97,240
Blair	17,600	17,700	20,057	355,000	78,455
Bradford	19,400	19,500	19,744	385,000	85,085
Bucks	2,100	2,100	17,857	37,500	8,288
Butler	3,400	3,400	19,118	65,000	14,365
Cambria	2,000	2,000	19,500	39,000	8,619
Carbon	200	200	18,000	3,600	796
Centre	10,500	10,500	19,524	205,000	45,305
Chester	18,800	18,900	22,222	420,000	92,820
Clarion	2,800	2,800	20,000	56,000	12,376
Clearfield	1,400	1,400	16,429	23,000	5,083
Clinton	5,600	5,600	18,750	105,000	23,205
Columbia	3,000	3,000	18,000	54,000	11,934
Crawford	12,800	12,800	19,531	250,000	55,250
Cumberland	16,100	16,100	20,186	325,000	71,825
Dauphin	5,800	5,800	19,828	115,000	25,415
Elk	500	500	18,000	9,000	1,989
Erie	5,000	5,000	19,800	99,000	21,879
Fayette	3,100	3,100	18,387	57,000	12,597
Forest	200	200	18,000	3,600	796
Franklin	42,500	42,700	19,906	850,000	187,850
Fulton	5,200	5,200	18,269	95,000	20,995
Greene	500	500	19,200	9,600	2,122
Huntingdon	11,500	11,500	19,565	225,000	49,725
Indiana	7,500	7,500	18,667	140,000	30,940
Jefferson	2,200	2,200	17,273	38,000	8,398
Juniata	7,800	7,800	18,590	145,000	32,045
Lackawanna	1,200	1,200	16,667	20,000	4,420
Lancaster	110,000	110,000	20,818	2,290,000	506,090
Lawrence	5,800	5,800	18,103	105,000	23,205
Lebanon	23,000	23,000	21,957	505,000	111,605
Lehigh	1,300	1,300	17,692	23,000	5,083
Luzerne	1,100	1,100	17,000	18,700	4,133
Lycoming	5,000	5,000	19,400	97,000	21,437
McKean	800	800	20,250	16,200	3,580
Mercer	8,600	8,600	17,442	150,000	33,150
Mifflin	11,700	11,700	19,658	230,000	50,830
Montgomery	1,200	1,200	17,500	21,000	4,641
Monroe	100	100	16,000	1,600	354
Montour	2,000	2,000	19,000	38,000	8,398
Northampton	2,000	2,000	17,500	35,000	7,735
Northumberland	5,400	5,400	17,593	95,000	20,995
Perry	8,700	8,700	21,264	185,000	40,885
Potter	5,200	5,200	18,654	97,000	21,437
Schuylkill	3,500	3,500	16,000	56,000	12,376
Snyder	6,000	6,000	17,500	105,000	23,205
Somerset	16,400	16,500	17,273	285,000	62,985
Sullivan	1,900	1,900	17,632	33,500	7,404
Susquehanna	8,400	8,400	18,452	155,000	34,255
Tioga	10,400	10,400	18,269	190,000	41,990
Union	8,300	8,300	19,880	165,000	36,465
Venango	1,600	1,600	16,875	27,000	5,967
Warren	4,000	4,000	17,750	71,000	15,691
Washington	3,000	3,000	18,667	56,000	12,376
Wayne	5,100	5,100	18,039	92,000	20,332
Westmoreland	6,000	6,000	18,333	110,000	24,310
Wyoming	1,900	1,900	20,263	38,500	8,509
York	9,800	9,900	18,687	185,000	40,885
Combined Counties ^{1 2}	100	400	12,000	2,400	530
Pennsylvania	540,000	541,000	19,601	10,604,000	2,343,484

¹ Counties not shown separately included in 'Combined Counties'. The district map and county listing can be found on the inside back cover of this publication. ² Dairy cow county estimates for January 1 inventories are no longer published by district. Future county estimates for yearly inventory average and production will no longer be published by district either.

³ Excludes milk sucked by calves. ⁴ Value at average returns per 100 pounds of milk combined marketings of milk and cream. Includes value of milk fed to calves.

Pennsylvania: Number of Milk Cows, Production and Value of Production, 2010, Revised ¹

County & District	Number of milk cows		Production ²		Value of production ³
	Jan. 1, 2011 inventory	2010 average	Per cow	Total	
	(number)	(number)	(pounds)	(1,000 lbs.)	(1,000 dols.)
Adams	8,000	7,700	20,779	160,000	29,288
Armstrong	3,500	3,400	18,235	62,000	11,349
Beaver	1,800	1,800	18,611	33,500	6,132
Bedford	17,300	17,300	18,208	315,000	57,661
Berks	23,000	22,500	19,778	445,000	81,458
Blair	17,700	17,500	19,143	335,000	61,322
Bradford	19,500	19,600	19,388	380,000	69,559
Bucks	2,100	2,100	18,571	39,000	7,139
Butler	3,400	3,400	19,118	65,000	11,898
Cambria	2,000	2,000	18,750	37,500	6,864
Centre	10,600	10,700	19,159	205,000	37,525
Chester	18,900	18,600	22,849	425,000	77,797
Clarion	2,800	2,700	19,259	52,000	9,519
Clearfield	1,400	1,400	17,500	24,500	4,485
Clinton	5,600	5,300	18,113	96,000	17,573
Columbia	3,000	2,900	19,310	56,000	10,251
Crawford	12,900	13,000	18,846	245,000	44,848
Cumberland	16,200	16,300	20,859	340,000	62,237
Dauphin	5,800	5,800	19,828	115,000	21,051
Elk	500	500	18,400	9,200	1,684
Erie	5,000	5,000	18,600	93,000	17,024
Fayette	3,100	3,100	17,419	54,000	9,885
Forest	200	200	18,000	3,600	659
Franklin	43,000	43,000	19,767	850,000	155,593
Fulton	5,200	5,200	18,077	94,000	17,207
Greene	500	500	19,400	9,700	1,776
Huntingdon	11,600	11,600	19,397	225,000	41,187
Indiana	7,600	7,500	19,333	145,000	26,542
Jefferson	2,200	2,200	18,182	40,000	7,322
Juniata	7,800	7,800	19,231	150,000	27,458
Lackawanna	1,200	1,200	17,500	21,000	3,844
Lancaster	110,000	110,000	21,091	2,320,000	424,679
Lawrence	5,800	5,700	19,298	110,000	20,136
Lebanon	23,000	22,500	22,889	515,000	94,271
Lehigh	1,300	1,300	18,462	24,000	4,393
Luzerne	1,100	1,100	18,091	19,900	3,643
Lycoming	5,000	5,100	18,627	95,000	17,390
McKean	800	800	19,875	15,900	2,911
Mercer	8,700	8,800	17,614	155,000	28,373
Mifflin	11,800	11,800	19,492	230,000	42,102
Montgomery	1,200	1,100	18,000	19,800	3,624
Montour	2,000	2,000	18,000	36,000	6,590
Northampton	2,000	2,000	18,500	37,000	6,773
Northumberland	5,400	5,400	19,444	105,000	19,220
Perry	8,700	8,700	21,839	190,000	34,780
Potter	5,200	5,100	18,824	96,000	17,573
Schuylkill	3,500	3,400	17,941	61,000	11,166
Snyder	6,100	6,100	18,852	115,000	21,051
Somerset	16,700	16,800	18,155	305,000	55,831
Sullivan	1,900	1,900	18,684	35,500	6,498
Susquehanna	8,400	8,700	18,966	165,000	30,203
Tioga	10,500	10,600	18,868	200,000	36,610
Union	8,300	8,300	19,880	165,000	30,203
Venango	1,600	1,500	16,667	25,000	4,576
Warren	4,000	3,900	17,692	69,000	12,631
Washington	3,000	3,000	17,333	52,000	9,519
Wayne	5,100	5,100	18,235	93,000	17,024
Westmoreland	6,000	6,000	18,333	110,000	20,136
Wyoming	1,900	1,900	18,158	34,500	6,315
York	10,000	10,000	20,000	200,000	36,610
Combined Counties	600	600	17,333	10,400	1,903
Pennsylvania	543,000	541,000	19,841	10,734,000	1,964,871

¹ Counties not shown separately included in 'Combined Counties'. The district map and county listing can be found on the inside back cover of this publication. ² Excludes milk sucked by calves. ³ Value at average returns per 100 pounds of milk combined marketings of milk and cream. Includes value of milk fed to calves.

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Production of all cheese, excluding cottage cheese, totaled 411.9 million pounds in 2011, down 1.6 percent from 2010. Production of all types of Italian cheeses decreased 7.1 percent to 256.3 million pounds. Pennsylvania ranks 7th in total cheese production.

Other Pennsylvania dairy rankings: 6th in butter; 8th in

total lowfat ice cream; and 14th in hard milk sherbet.

Data is collected by mail and telephone interviews following the close of each month. There were 81 manufacturers in the State that made 1 or more of these products in 2011.



Pennsylvania: Specified Dairy Products Manufactured, Monthly, 2011

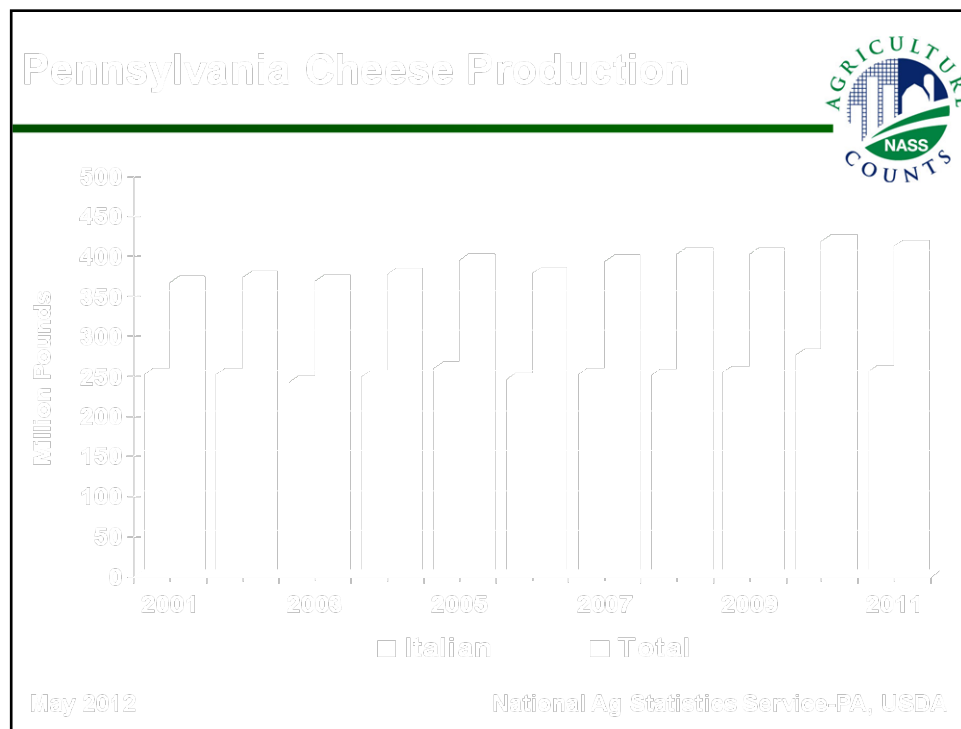
Product	Plants	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	(number)	(1,000 pounds)												
Butter	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Cheese, Italian, total	14	23,581	20,195	21,885	23,427	23,751	21,781	20,176	21,635	18,520	19,419	19,890	22,017	256,277
Cheese, Swiss	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Cheese, total	38	34,604	30,961	35,272	35,467	36,975	34,602	33,224	35,659	32,569	32,604	34,951	35,006	411,894
		(1,000 gallons)												
Ice cream, regular, hard	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ice cream, lowfat, total ¹	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sherbet, hard	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ice cream mix, regular	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ice cream mix, lowfat ²	13	386	374	533	562	620	698	652	612	500	411	333	316	5,997
Sherbet mix	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations or when the top two states for a commodity are not publishable. ¹ Includes hard, soft-serve, and freezer-made milkshake. ² Includes milkshake mix.

Pennsylvania: Dairy Products Manufactured, 2003-2011

Manufactured Products	2003	2004	2005	2006	2007	2008	2009	2010	2011
	(1,000 pounds)								
Butter	61,928	60,327	71,616	72,151	70,462	76,693	79,060	n/p	n/p
Cheese, Italian, total	241,739	249,496	260,231	246,398	252,744	251,156	254,864	275,734	256,277
Cheese, Swiss	n/p	n/p	9,764	9,554	9,139	8,970	10,747	n/p	n/p
Cheese, total	368,945	376,730	395,003	377,540	393,877	402,058	402,709	418,576	411,894
	(1,000 gallons)								
Ice cream, regular, total	52,574	44,633	n/p	n/p	n/p	n/p	n/p	n/p	n/p
Ice cream, regular hard	43,975	43,479	41,601	35,558	33,421	34,134	33,593	n/p	n/p
Ice cream, lowfat, total ¹	12,379	12,914	12,918	15,984	15,557	14,089	17,693	n/p	n/p
Ice cream, lowfat, soft	10,270	10,246	8,740	n/p	n/p	n/p	n/p	n/p	n/p
Ice cream, lowfat, hard	2,109	2,668	4,178	n/p	n/p	n/p	n/p	n/p	n/p
Milk sherbet, hard	1,388	1,449	1,448	997	1,121	945	739	n/p	n/p
Ice cream mix, regular	25,823	21,433	21,029	19,923	18,709	19,035	18,592	n/p	n/p
Ice cream mix, lowfat ²	5,843	3,580	3,589	4,468	5,481	5,082	6,360	6,969	5,997
Milk sherbet mix	915	901	929	610	612	548	453	n/p	n/p

n/p = not published. ¹ Includes hard, soft-serve, and freezer-made milkshake. ² Includes milkshake mix.



Honey Production, 2011

By Tyler D. Heep

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania honey production in 2011 (from producers with five or more hives) totaled 1,056,000 pounds, down 54,000 pounds from 2010. There were an estimated 24,000 colonies statewide, which was down 6,000 colonies from the previous year.

The average yield was 44 pounds per colony compared to 37 pounds in 2010. Total stocks of honey, as of

December 15, 2011, were 306,000 pounds, 71,000 pounds less than the previous year.

Honey producers in Pennsylvania received an average price of 242 cents per pound for the 2011 crop. Total value of honey produced in 2011 is estimated at 2,556,000 dollars for Pennsylvania production.

Pennsylvania: Number of Colonies, Yield, Production, Value and Price, 1970-2011

Year	Honey producing colonies ¹	Yield per colony	Production	Stocks December 15 ²	Average price per pound ³	Value of production ⁴
	(1,000)	(pounds)	(1,000 pounds)	(1,000 pounds)	(cents)	(1,000 dollars)
1970	96	39	3,744	1,385	20	756
1980	80	41	3,280	1,181	70	2,296
1990	41	28	1,148	379	67	769
2000	25	45	1,125	630	76	855
2004	30	54	1,620	810	142	2,300
2005	28	56	1,568	800	112	1,756
2006	28	40	1,120	605	163	1,826
2007	25	42	1,050	326	170	1,785
2008	23	48	1,104	276	165	1,822
2009	21	40	840	319	203	1,705
2010	30	37	1,110	377	213	2,364
2011	24	44	1,056	306	242	2,556

¹ Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. ² Stocks held by producers. ³ Average price per pound based on expanded sales. ⁴ Value of production is equal to production multiplied by average price per pound.

Pennsylvania and Major States¹: Number of Colonies, Yield, Production, Value and Stocks, 2011

State	Honey Producing Colonies ²	Yield Per Colony	Production ³	Stocks Dec 15 ⁴	Value of Production ⁵
	(1,000)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 dollars)
Pennsylvania	24	44	1,056	306	2,556
North Dakota	460	71	32,660	7,512	54,216
California	370	48	17,760	3,730	28,594
South Dakota	250	66	16,500	4,290	27,225
Montana	145	92	13,340	3,202	21,878
Florida	180	61	10,980	988	18,117
Minnesota	120	53	6,360	2,009	10,112
Michigan	74	64	4,736	2,084	8,335
Texas	78	58	4,524	633	8,007
Wisconsin	57	63	3,591	1,508	6,464
Idaho	87	36	3,132	1,879	5,575
Georgia	65	43	2,795	196	4,500
Louisiana	36	77	2,772	471	4,629
New York	49	56	2,744	1,235	5,296
Washington	71	38	2,698	836	4,748
Nebraska	41	59	2,419	653	4,185
United States	2,491	59.6	148,357	36,761	256,509

¹ Major States – top 15 States based on production. ² Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. ³ Due to rounding, total colonies multiplied by total yield may not exactly equal production. ⁴ Stocks held by producers. ⁵ Value of production is equal to production multiplied by average price per pound.

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania's mink ranchers produced 70,700 pelts in 2011, compared with 64,520 pelts in 2010. Pennsylvania ranked 11th in the nation in mink pelt production.

The number of females bred to produce kits for 2012 is estimated to be 16,920, up 2 percent from the previous year.

Thirty-five percent of the females bred to produce kits are of the black color class.

The U.S. average market price per pelt produced for the 2011 crop year was \$94.30, up 15 percent from the price of \$81.90 in 2010. Average prices for Pennsylvania are not available.

Pennsylvania: Mink Pelts Produced & Females Bred, By Color Class, 2009-2012

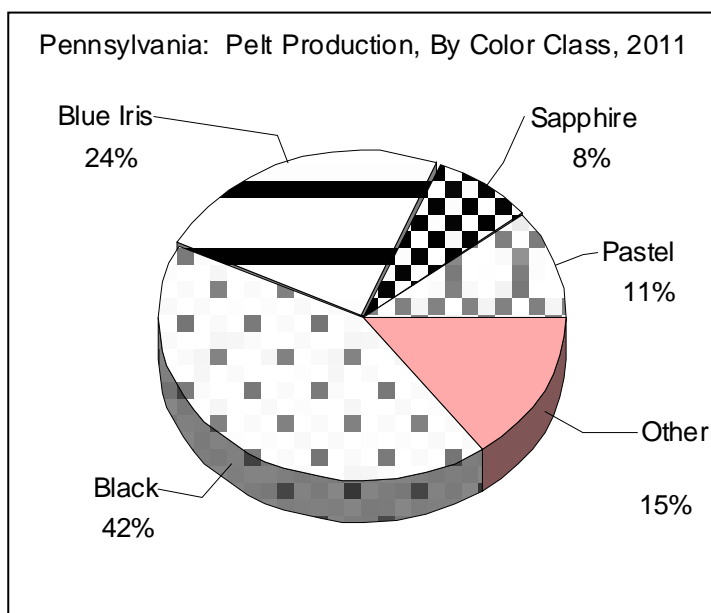
Color Class	Pelts Produced			Females Bred to Produce Kits		
	2009 (number)	2010 (number)	2011 (number)	2010 (number)	2011 (number)	2012 (number)
Black	28,000	27,000	30,000	6,500	7,000	6,000
Demi/Wild	1	1	1	1	1	1
Pastel	1	6,000	8,000	1	2,000	1,800
Sapphire	5,500	4,900	6,000	2,600	2,000	2,200
Blue Iris	11,000	12,500	17,000	3,700	3,900	5,000
Mahogany	1	1	1	1	1	1
Pearl	1	1	1	1	1	1
Lavender	1	1	1	1	1	1
Violet	1	1	1	1	1	1
White	1	1	1	1	1	1
Misc. & Unclassified	1	1	1	1	1	1
Total	57,300	64,520	70,700	15,900	16,520	16,920

¹ Included in total to avoid disclosing individual operations.

Pennsylvania: Mink Historical Perspective, 1970-2012

Year	Ranches Producing Pelts	Females Bred	Pelts Produced
	(number)	(number)	(number)
1970	106	58,000	159,000
1975	51	39,500	125,000
1980	47	44,500	156,600
1985	47	42,400	137,500
1990	24	27,100	95,400
1995	13	19,000	63,200
2000	10	18,300	68,100
2005	9	15,000	61,000
2007	11	18,930	70,300
2008	11	16,500	63,900
2009	1	15,300	57,300
2010	1	15,900	64,520
2011	1	16,520	70,700
2012	1	16,920	-

¹ State level number of operations will only be published every five years in conjunction with the Census of Agriculture.



For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

The combined value of Pennsylvania's poultry production from broilers, eggs, and turkeys, plus the value of other chicken sales in 2011, was \$1.02 billion, an 11 percent increase from 2010. Of the combined total, 39.7 percent was from broiler production, 48.6 percent from egg production, 11.6 percent from turkey production, and less than 1 percent was from the sale of other chickens.

Inventory of all chickens, excluding broilers, on December 1, 2011 was 28.9 million. Hens and pullets of laying age numbered 25.2 million, slightly higher than the previous year. Pullets not of laying age totaled 3.6 million on December 1, an 18 percent decrease from 2010. Other chickens numbered 121,000. The total value of chicken inventory on December 1, 2011, was \$107 million. Pennsylvania ranked 4th in the United States for all chicken inventory on December 1, 2011.

Pennsylvania laying flocks produced 7.31 billion eggs from December 1, 2010, through November 30, 2011, up 5 percent from the 6.98 billion produced the previous year. The total value of egg production, based on an average price received by producers during the year of 81.6 cents per dozen for all eggs, was \$497 million, up 22 percent from the previous year. An average of 25.1 million hens in Commonwealth flocks laid an average of 291 eggs each during the year. Pennsylvania ranked 3rd in egg production in 2011.

Broiler production from December 1, 2010, through November 30, 2011, was valued at \$406.1 million, up slightly from the previous year. A total of 155.6 million broilers were produced during the year. The average live weight of broilers produced was 5.6 pounds per bird, for a total production of 871.4 million pounds. The average price received per pound for live broilers was 46.5 cents. Pennsylvania ranked 15th in number of broilers produced in 2011.

Turkey producers raised 7.5 million poults during 2011, up slightly from 2010. Producers received an average of 68.2 cents per pound live weight for turkeys in 2011. Total value of turkey production during 2011 (based on turkeys placed Sep 1 2010, through Aug 31, 2011) was \$119.2 million, a 13 percent increase from the previous year. Pennsylvania was ranked 9th in the number of turkeys raised in 2011.

Commercial hatcheries hatched nearly 165.8 million broiler-type chicks during 2011, up 3 percent from the previous year.

Data in the following tables result from voluntary responses from Pennsylvania poultry producers and agribusinesses. Primary surveys used for these tables include the Weekly & Monthly Hatchery Reports, Monthly Turkey Hatchery Report, Monthly Chicken & Egg Survey, and Annual Turkeys Raised Inquiry. Additional data are obtained from Quarterly Agriculture Surveys and Acreage & Livestock Surveys conducted throughout 2011.



Pennsylvania: Commercial Broilers and Roasters – Production and Value, 1970-2011 ^{1 2}

Year	Number produced	Pounds per bird	Pounds produced	Price per pound ³	Value of production ⁴
	(1,000 head)	(pounds)	(1,000 lbs)	(cents)	(1,000 dollars)
1970	53,677	4.0	214,708	15.6	33,494
1980	111,553	4.0	446,212	28.5	127,170
1990	115,600	4.5	520,200	36.0	187,272
2000	132,300	5.2	693,200	35.0	242,620
2007	151,200	5.6	846,700	45.0	381,015
2008	160,900	5.8	933,200	46.0	429,272
2009	153,500	5.6	859,600	45.7	392,837
2010	149,300	5.6	839,100	48.2	404,446
2011	155,600	5.6	871,400	46.6	406,072

¹ Marketing year ends November 30. ² Broiler production including other domestic meat-type strains. ³ Live weight equivalent prices, derived from ready-to-cook (RTC) prices using the following formulas: RTC price minus processing cost X (dressing percentage) = live weight equivalent price.

⁴ Value of production based on final State marketing year average price.

Pennsylvania: Eggs – Production and Value, 1970-2011 ¹

Year	Eggs produced	Price per dozen ²	Value of production ³
	(million)	(cents)	(1,000 dollars)
1970	3,220	40.9	109,748
1980	4,251	51.0	180,668
1990	4,976	61.0	252,947
2000	6,313	54.6	287,242
2007	6,392	73.1	389,119
2008	6,189	94.6	488,056
2009	6,543	67.4	367,224
2010	6,976	70.2	408,227
2011	7,306	81.6	497,039

¹ Marketing year ends November 30. ² Average of all eggs, including hatching eggs. ³ Value of production based on final State marketing year average price.

Pennsylvania: Turkeys – Production and Value, 1970-2011

Year	Number raised ¹	Pounds per bird	Pounds produced	Price per pound ²	Value of production ³
	(1,000 head)	(pounds)	(1,000 lbs)	(cents)	(1,000 dollars)
1970	2,266	19.6	44,414	25.4	11,281
1980	5,510	17.0	93,670	45.0	42,152
1990	8,430	20.0	168,600	41.0	69,126
2000	9,300	22.3	207,390	45.0	93,326
2007	11,000	18.1	199,100	52.0	103,532
2008	11,500	18.8	216,200	64.0	138,368
2009	9,000	20.2	181,800	55.0	99,990
2010	7,400	23.7	175,380	60.0	105,228
2011	7,500	23.3	174,750	68.2	119,180

¹ Based on turkeys placed September 1 through August 31. Excludes young turkeys lost. ² Active live weight prices. ³ Value of production based on final State marketing year average price.

Pennsylvania: Layers, Egg Production, Egg Prices and Hatch Data, By Months, 2001-2011

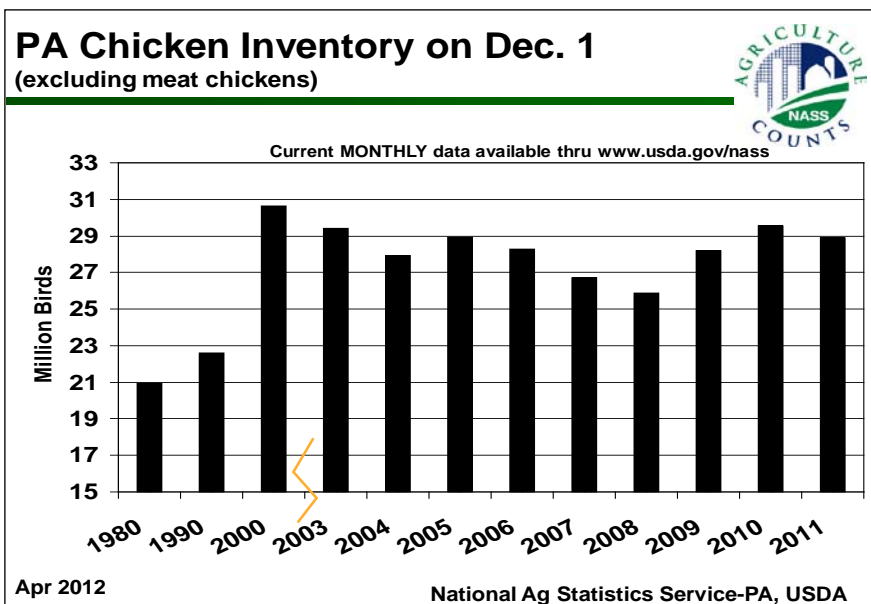
Year	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Annual Avg or Total
Avg Number of Layers, 1,000													
2001	23,931	24,085	24,496	24,623	25,006	24,870	24,200	24,262	24,615	24,344	24,137	23,950	24,377
2002	23,820	23,938	23,656	23,379	23,336	23,450	23,466	23,457	23,717	23,709	23,727	24,042	23,641
2003	24,854	25,321	24,803	24,629	24,752	24,769	24,506	24,223	23,983	24,019	24,409	23,946	24,518
2004	23,504	23,643	23,938	24,063	23,949	24,082	24,189	24,139	23,964	23,774	23,835	23,630	23,893
2005	24,444	24,484	24,455	24,399	23,943	23,418	22,988	23,045	23,371	23,523	23,778	24,096	23,785
2006	24,444	24,255	23,667	23,818	23,947	23,914	23,788	23,503	23,260	23,180	23,497	23,827	23,758
2007	23,898	23,585	22,961	22,679	22,560	22,348	22,283	21,884	21,937	22,090	21,973	21,973	22,514
2008	21,688	21,524	21,546	21,482	21,231	21,250	21,559	21,600	21,704	21,600	21,495	21,687	21,531
2009	21,816	22,333	22,839	22,837	22,899	22,582	22,528	22,721	22,709	22,864	23,076	23,324	22,711
2010	23,667	23,714	23,583	23,747	23,664	23,660	23,928	24,148	24,290	23,779	23,800	24,690	23,889
2011	25,158	25,246	25,050	25,282	25,618	25,078	24,613	24,800	25,250	25,280	25,029	25,093	25,125
Eggs Produced, Million													
2001	557	553	517	585	557	560	541	561	572	552	564	543	6,662
2002	552	548	499	552	534	557	540	552	550	532	557	547	6,520
2003	581	593	529	587	563	575	556	569	562	541	562	536	6,754
2004	544	544	519	566	536	554	549	569	567	536	556	545	6,585
2005	567	572	522	585	551	559	538	549	543	527	551	542	6,608
2006	567	571	509	567	554	572	558	573	564	542	561	549	6,687
2007	569	565	502	548	527	536	517	529	529	511	532	527	6,392
2008	535	523	490	524	498	515	509	524	520	507	528	516	6,189
2009	535	543	498	560	545	547	535	559	555	542	566	558	6,543
2010	587	586	526	591	574	590	582	600	594	564	588	594	6,976
2011	626	622	557	623	615	621	599	618	615	594	614	602	7,306
Avg Price Received for Eggs, Cents Per Dozen													
2001	75.0	57.0	55.0	58.0	55.0	37.0	42.0	40.0	45.0	44.0	46.0	52.0	50.5
2002	45.0	47.0	44.0	58.0	40.0	37.0	52.0	47.0	52.0	47.0	41.0	60.0	51.4
2003	60.0	50.0	52.0	59.0	61.0	46.0	60.0	60.0	69.0	70.0	74.0	95.0	65.9
2004	75.0	80.0	78.0	102.0	67.0	53.0	53.0	43.0	37.0	37.0	32.0	46.0	61.9
2005	55.0	38.0	36.0	33.0	26.0	24.0	22.0	32.0	26.0	43.0	33.0	46.0	34.5
2006	56.0	45.0	28.0	45.0	30.0	20.0	35.0	23.0	35.0	35.0	36.0	65.0	37.8
2007	60.0	69.0	60.0	63.0	51.0	56.0	46.0	76.0	68.0	93.0	77.0	115.0	69.4
2008	116.0	106.0	112.0	122.0	83.0	67.0	89.0	67.0	79.0	84.0	90.0	85.0	94.6
2009	80.0	87.0	62.0	61.0	80.0	47.0	42.0	50.0	56.0	56.0	63.0	87.0	67.4
2010 ³	92.0	91.0	78.0	106.0	60.0	44.0	42.0	53.0	62.0	45.0	65.0	102.0	69.9
2011 ³	92.0	66.0	78.0	65.0	89.0	62.0	69.0	68.0	99.0	86.0	86.0	86.0	79.7
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total ¹
Egg-type Chicks Hatched 1,000													
2000	4,943	4,609	6,300	5,148	5,455	4,907	4,772	5,688	5,700	5,668	5,493	5,418	64,101
2001	5,613	5,467	5,457	5,349	5,684	6,206	5,227	5,351	5,135	5,259	4,121	4,565	63,434
2002	4,540	4,094	4,867	4,402	4,200	4,884	3,815	4,661	4,381	3,569	3,544	4,349	51,306
2003	4,353	3,709	4,012	4,740	4,247	4,249	4,685	4,513	5,308	5,111	3,873	4,623	53,423
2004	4,935	4,849	5,261	6,117	5,251	5,349	4,491	4,497	5,141	5,183	5,787	5,291	62,152
2005	5,818	4,790	5,201	4,596	4,493	4,769	4,227	5,841	4,768	4,343	4,008	4,889	57,743
2006	4,231	4,269	5,054	3,787	4,630	4,741	3,736	5,076	4,940	4,566	3,318	4,447	52,795
2007	4,470	4,862	5,560	5,042	4,499	4,646	4,040	4,392	4,165	3,715	4,342	4,575	54,308
2008 ²	4,725	5,596	4,698	5,331	5,463	5,087	4,892	5,412	4,374	5,274	5,742	4,041	60,635
Broiler-type Chicks Hatched, 1,000													
2001	12,567	11,665	13,158	12,893	13,429	12,937	13,604	13,430	12,784	13,301	11,865	13,549	155,182
2002	13,264	11,171	13,688	13,081	13,366	13,394	13,361	13,218	12,717	12,538	11,345	12,688	153,831
2003	12,471	11,185	12,085	12,800	13,025	13,023	13,030	13,544	12,313	12,277	11,588	13,414	150,755
2004	12,642	12,003	13,039	13,104	13,668	12,629	13,747	13,742	13,345	12,877	12,964	14,060	157,820
2005	14,168	12,975	14,870	14,343	15,008	13,974	14,384	15,184	14,439	14,644	13,602	14,716	172,307
2006	13,942	12,976	14,202	14,340	14,604	14,090	14,600	14,618	13,158	14,322	12,986	14,718	168,556
2007	14,335	12,581	14,142	13,833	14,528	14,026	14,267	14,331	14,704	15,168	14,251	15,257	171,423
2008	15,217	14,544	15,144	15,172	15,468	15,560	15,935	15,600	14,297	14,241	12,307	15,237	178,722
2009	14,251	12,915	14,552	13,437	14,339	12,981	13,709	14,447	13,607	13,926	12,428	14,130	164,722
2010	13,975	11,347	13,463	13,314	13,707	13,532	13,742	13,564	13,551	13,449	12,937	14,313	160,894
2011	14,506	13,306	14,001	13,069	14,439	14,405	14,174	14,284	13,300	13,117	13,152	14,024	165,777

¹ Marketing year. ² As of 2009, egg-type hatchery data is no longer published on the state level. U.S. totals are only available now. ³ U.S. average price received for eggs is used in place of State price beginning in December 2009 due to price being published only at the national level.

Pennsylvania: Chicken Inventory on Farms December 1, 1992-2011

Year	Layers on hand	Pullets not of laying age	Other chickens	Total chickens ¹	
				Number	Value
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000 dollars)
1992	21,700	5,870	130	27,700	44,320
1993	20,640	6,440	120	27,200	54,400
1994	21,910	4,500	120	26,530	45,101
1995	21,805	4,600	115	26,520	45,084
1996	21,600	4,600	115	26,315	44,736
1997	23,005	4,550	115	27,670	47,039
1998	22,655	5,694	105	28,454	48,372
1999	22,788	4,982	115	27,885	50,193
2000	24,179	6,355	85	30,619	48,990
2001	23,677	5,573	78	29,328	46,925
2002	24,180	4,985	92	29,257	52,663
2003	23,380	5,935	93	29,408	55,875
2004	23,290	4,532	110	27,932	53,071
2005	24,305	4,511	110	28,926	54,959
2006	24,097	4,092	114	28,303	50,945
2007	21,993	4,612	104	26,709	58,760
2008	21,833	3,945	105	25,883	67,296
2009	23,423	4,665	111	28,199	73,317
2010	25,033	4,411	106	29,550	85,695
2011	25,153	3,620	121	28,894	106,908

¹ Excludes commercial broilers.



Pennsylvania: Broiler Eggs Set and Chicks Placed, By Weeks, 2009-2011

Year, week ending	Eggs set ¹	Broilers placed ²	Year, week ending	Eggs set ¹	Broilers placed ²
	(1,000)	(1,000)		(1,000)	(1,000)
<u>2009</u>			<u>2010</u>		
Nov-7	3,501	2,770	Nov-6	3,881	2,957
Nov-14	3,999	2,828	Nov-13	3,788	2,839
Nov-21	3,830	2,953	Nov-20	3,957	2,938
Nov-28	3,857	2,833	Nov-27	3,876	3,155
Dec-5	3,672	3,190	Dec-4	3,959	3,087
Dec-12	4,129	3,041	Dec-11	4,050	3,185
Dec-19	3,771	3,093	Dec-18	4,044	3,156
Dec-26	3,740	3,006	Dec-25	3,866	3,243
<u>2010</u>			<u>2011</u>		
Jan-2	3,785	3,149	Jan-1	3,996	3,432
Jan-9	3,903	3,091	Jan-8	4,031	3,237
Jan-16	3,799	3,094	Jan-15	4,073	3,168
Jan-23	3,570	3,020	Jan-22	4,073	3,238
Jan-30	3,330	3,186	Jan-29	4,116	3,210
Feb-6	3,168	2,960	Feb-5	3,914	3,306
Feb-13	3,620	2,936	Feb-12	4,001	3,349
Feb-20	3,693	2,648	Feb-19	3,675	3,256
Feb-27	3,698	2,614	Feb-26	3,732	3,207
Mar-6	3,692	2,856	Mar-5	3,961	3,263
Mar-13	3,839	3,029	Mar-12	3,984	3,028
Mar-20	3,743	2,993	Mar-19	3,914	3,032
Mar-27	3,791	2,953	Mar-26	3,697	3,206
Apr-3	3,691	3,044	Apr-2	3,546	3,229
Apr-10	3,738	3,031	Apr-9	3,691	3,128
Apr-17	3,784	3,039	Apr-16	3,752	2,974
Apr-24	3,802	2,920	Apr-23	4,081	2,804
May-1	3,762	2,990	Apr-30	4,028	3,004
May-8	3,664	3,069	May-7	4,128	3,018
May-15	3,832	3,046	May-14	4,199	3,224
May-22	4,144	3,057	May-21	4,162	3,252
May-29	3,813	2,949	May-28	4,151	3,286
Jun-5	3,682	2,971	Jun-4	3,885	3,310
Jun-12	3,873	3,125	Jun-11	4,169	3,274
Jun-19	3,754	2,842	Jun-18	3,848	3,283
Jun-26	4,006	3,032	Jun-25	4,050	3,107
Jul-3	3,966	3,101	Jul-2	3,854	3,304
Jul-10	3,367	3,082	Jul-9	3,651	3,132
Jul-17	3,642	3,159	Jul-16	4,080	3,223
Jul-24	3,913	3,022	Jul-23	4,031	3,133
Jul-31	3,634	2,732	Jul-30	3,768	3,036
Aug-7	3,797	2,936	Aug-6	3,933	3,319
Aug-14	3,975	3,073	Aug-13	3,764	3,277
Aug-21	3,904	2,939	Aug-20	3,510	3,089
Aug-28	3,836	3,081	Aug-27	3,799	3,197
Sep-4	3,808	3,233	Sep-3	3,877	3,099
Sep-11	3,843	3,180	Sep-10	3,718	2,903
Sep-18	3,697	3,122	Sep-17	3,438	3,058
Sep-25	3,801	3,080	Sep-24	3,558	3,215
Oct-2	3,694	3,055	Oct-1	3,353	3,087
Oct-9	3,622	2,914	Oct-8	3,734	2,839
Oct-16	3,718	2,963	Oct-15	3,926	2,921
Oct-23	3,513	2,945	Oct-22	3,928	2,768
Oct-30	3,621	2,898	Oct-29	3,436	3,097
TOTAL ³	195,026	155,873	TOTAL ⁴	201,636	163,082

¹ Eggs set and chicks hatched for all broiler type chicks, those to be raised as broilers and those to be raised for breeder flock replacement. ² Placements for broiler production in Pennsylvania only. ³ Production year 2010 includes weeks ending November 7, 2009 through October 30, 2010. ⁴ Production year 2011 includes weeks ending November 6, 2010 through October 29, 2011.

Pennsylvania: Poultry Inventory and Sales, 2007 and 2002

Data taken from the 2007 Census of Agriculture published February 4, 2009

State and County	Inventory - Layers 20 weeks old and older			Sales - Broilers and other meat-type chickens sold			Sales – Turkeys sold		
	Farms 2007	Number 2007	Number 2002	Farms 2007	Number 2007	Number 2002	Farms 2007	Number 2007	Number 2002
Pennsylvania	7,604	21,982,408	23,196,416	1,139	150,102,682	132,507,545	473	10,927,070	9,297,203
Adams	124	(D)	2,028,071	7	1,485,200	(D)	29	1,753,276	2,097,185
Allegheny	68	2,467	5,487	4	265	(D)	1	(D)	(D)
Armstrong	96	2,482	1,264	8	308	625	3	12	203
Beaver	67	(D)	44,280	2	(D)	10,124	2	(D)	209
Bedford	137	38,981	4,052	12	776	1,925	8	80	182
Berks	240	1,860,472	2,574,506	67	9,603,987	7,842,759	19	6,761	21,941
Blair	76	3,320	(D)	4	957	(D)	2	(D)	58
Bradford	135	2,886	(D)	9	1,899	3,050	1	(D)	(D)
Bucks	151	8,697	5,426	16	5,543	(D)	7	(D)	(D)
Butler	115	3,547	2,498	13	5,350	1,991	7	(D)	(D)
Cambria	49	2,463	4,655	16	1,371	(D)	2	(D)	70
Cameron	4	105	100	-	-	(D)	-	-	-
Carbon	29	1,236	1,024	3	(D)	(D)	2	(D)	(D)
Centre	159	5,711	22,726	20	2,259	(D)	12	(D)	(D)
Chester	221	33,882	552,808	22	1,599,206	1,778,099	12	182,275	104,872
Clarion	84	2,655	3,756	11	565	3,694	5	68	212
Clearfield	55	1,010	1,189	2	(D)	1,182	-	-	222
Clinton	99	113,844	32,319	4	1,190	1,514	2	(D)	240
Columbia	64	(D)	(D)	14	990,140	312,128	4	(D)	(D)
Crawford	190	(D)	(D)	10	747	1,904	8	32	637
Cumberland	180	315,576	343,690	17	2,722,429	2,585,293	10	175,225	195,726
Dauphin	129	788,324	678,007	15	4,048,257	3,198,810	9	350,531	158,126
Delaware	9	315	(D)	1	(D)	(D)	1	(D)	(D)
Elk	48	1,152	1,145	3	6,004	(D)	4	360	-
Erie	111	22,603	1,187	1	(D)	441	-	-	(D)
Fayette	112	4,100	3,532	5	(D)	(D)	1	(D)	-
Forest	11	178	72	3	60	(D)	-	-	78
Franklin	199	1,173,886	1,394,573	37	3,692,710	4,148,649	30	1,410,314	1,101,663
Fulton	48	1,581	7,519	7	400	323	10	157,716	141,719
Greene	84	2,131	1,303	5	210	72	-	-	-
Huntingdon	86	20,820	13,730	18	1,965,156	-	10	214,241	170,400
Indiana	186	4,478	2,209	6	204	504	9	(D)	(D)
Jefferson	72	2,357	1,132	13	551	-	5	65	-
Juniata	109	241,345	351,582	57	11,873,576	13,315,371	10	281,079	258,386
Lackawanna	38	1,304	670	4	5,500	(D)	2	(D)	(D)
Lancaster	983	7,086,263	7,500,336	283	55,740,849	50,901,903	49	552,647	504,544
Lawrence	109	3,651	(D)	7	254	1,505	2	(D)	161
Lebanon	147	1,504,824	2,293,370	50	15,626,022	13,057,447	15	(D)	325,614
Lehigh	54	22,848	(D)	8	8,783	(D)	8	(D)	(D)
Luzerne	49	7,755	1,547	5	1,196	(D)	4	138	(D)
Lycoming	110	(D)	177,450	16	(D)	590,399	6	278	50
McKean	34	510	768	2	(D)	(D)	2	(D)	-
Mercer	146	4,383	19,448	11	740	1,883	5	18	103
Mifflin	221	23,482	4,933	16	1,446,104	1,416,212	12	391,938	385,428
Monroe	41	1,058	1,935	2	(D)	1,475	-	-	36
Montgomery	105	14,712	(D)	19	1,771	(D)	9	50	113
Montour	54	(D)	(D)	11	(D)	(D)	2	(D)	(D)
Northampton	65	3,010	2,480	6	154	728	3	101	-
Northumberland	74	131,286	684,823	26	4,416,767	3,065,925	16	218,399	275,079
Perry	90	390,653	249,250	14	3,946,140	4,452,123	20	1,533,876	491,308
Philadelphia	2	(D)	(D)	-	-	-	-	-	-
Pike	13	234	384	-	-	-	4	38	(D)
Potter	29	767	1,069	1	(D)	360	1	(D)	130
Schuylkill	93	1,651,628	802,079	21	5,737,659	3,782,521	9	184,420	439,136
Snyder	164	300,957	252,833	63	13,283,321	13,422,689	15	350,422	177,048
Somerset	210	9,356	(D)	6	810	560	7	144	135
Sullivan	28	899	201	-	-	(D)	-	-	-
Susquehanna	108	3,463	2,099	17	1,693	569	5	210	(D)
Tioga	105	2,309	11,197	10	2,298	1,642	5	41	146
Union	100	326,185	219,036	43	7,719,646	5,595,314	11	262,873	231,410
Venango	64	1,403	1,678	9	556	1,478	-	-	(D)
Warren	104	2,248	1,398	10	354	(D)	-	-	(D)
Washington	173	4,208	3,578	10	370	836	5	78	54
Wayne	83	2,651	2,567	8	12,383	3,420	5	147	90
Westmoreland	131	4,008	19,405	10	2,982	3,554	5	(D)	(D)
Wyoming	73	1,511	445	-	-	(D)	-	-	-
York	257	815,031	1,462,744	19	2,633,566	1,535,464	21	1,268,281	1,446,262

(D) Withheld to avoid disclosing data for individual farms.

Trout and Aquaculture Census, 2011

By Tyler D. Heep

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania's trout growers produced trout valued at \$15.5 million in 2011. Commercial trout producers sold 1.82 million pounds of trout, valued at \$6.3 million during 2011, ranking third nationally behind Idaho and North Carolina. Pennsylvania farmers also produced trout valued at \$9.2 million for conservation and recreational purposes.

Pennsylvania ranks third for the value of trout distributed for conservation and recreational purposes, behind California's \$15.2 million and Washington's \$9.6 million. Pennsylvania accounts for 9.2 percent of the nation's distributed trout value. These trout were produced primarily by the state fish commission, its cooperative nurseries, and private fishing clubs. These conservation related producers grew 65,000 fish 12 inches or longer, and 4.3 million 6-12" fish, compared to 4.5 million 6-12" fish a year ago.

Sales of food fish trout 12 inches or longer in Pennsylvania totaled 1.6 million pounds. Averaging \$3.17 per pound, compared to \$3.13 last year and \$1.53 nationally. The 12 inch and larger trout were valued at \$4.98 million.

Sales of food fish trout 6 to 12 inches long by Pennsylvania growers totaled 550,000 fish or 249,000 pounds live weight during 2011. This was down 55,000 lbs from the same period a year ago.

They were sold at an average of \$4.93 a pound, which is up \$1.38/lb from last year. Six to twelve inch trout in Pennsylvania were valued at \$1.2 million.

Sales of trout 1 to 6 inches long by Pennsylvania growers totaled 185,000 fish or 3,000 pounds live weight during 2011. These fish were sold at an average of \$398 per thousand fish, compared to \$514.00 last year and \$207.00 nationally. Total sales of 1 to 6 inch trout were valued at \$74,000. Total losses of all Pennsylvania trout intended for sale were 1,331,000 fish during 2011 or 503,000 pounds of fish.

The National Agricultural Statistics Service surveyed all known commercial trout growers in Pennsylvania and 24 other states: Arkansas, California, Connecticut, Colorado, Georgia, Idaho, Massachusetts, Michigan, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Oregon, Tennessee, Utah, Virginia, Washington, West Virginia, Wisconsin, and Wyoming. Information was collected by mail, telephone and personal interview.

Nationally, the total value of fish sales received by trout growers in the United States totaled 76.6 million dollars for 2011, an increase of 7 percent from 2010. Idaho accounted for 50 percent of the total value of fish sold.

Pennsylvania and U.S.: Trout Sales and Value by Size, 2010-2011

Size category	Number of fish		Total pounds sold		Total value of sales		Average value	
	2010	2011	2010	2011	2010	2011	2010	2011
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000 dollars)	(1,000 dollars)	(dollars)	(dollars)
Pennsylvania								
12" or longer	1,210	1,720	1,270	1,570	3,975	4,977	3.13/lb.	3.17/lb.
6" - 12"	660	550	304	249	1,079	1,228	3.55/lb.	4.93/lb.
1" - 6"	380	185	11	3	195	74	514.00/thou	398.00/thou
Total	2,250	2,455	1,585	1,822	5,249	6,279	-	-
United States								
12" or longer	38,675	38,415	45,248	45,416	63,066	69,467	1.39/lb.	1.53/lb.
6" - 12"	5,265	5,615	2,021	1,908	6,339	6,110	3.14/lb.	3.20/lb.
1" - 6"	8,780	4,975	230	122	1,917	1,031	218.00/thou	207.00/thou
Total	52,720	49,005	47,503	47,446	71,322	76,608	-	-

Pennsylvania: Trout Sales and Value, 1999-2009

State and year	Number of fish	Total pounds sold	Total value of sales	Average value 6" - 12"
	(1,000)	(1,000)	(1,000 dollars)	(dollars/lb.)
Pennsylvania				
1999		3,180	1,897	5,385
2000		2,620	1,850	5,032
2001		2,500	1,878	4,894
2002		2,380	1,613	4,865
2003		2,150	1,679	4,678
2004		1,800	1,371	4,223
2005		2,070	1,515	4,807
2006		2,290	1,610	4,790
2007		1,890	1,635	5,212
2008		2,420	1,668	5,427
2009		2,320	1,614	5,149

AQUACULTURE CENSUS

Pennsylvania aquaculture product producers reported sales totaling \$10.0 million in the 2011 Census of Aquaculture conducted in January 2012. This is a 5 percent increase compared to 2010.

Sales of baitfish and trout comprised 69 percent of the total aquaculture sales. The remainder was made up of non-trout food fish, sport and game fish, crustaceans, mollusks, ornamental fish, and other animal aquaculture (tadpoles, frogs, trout eggs, etc.).

Pennsylvania: Aquaculture Products by Type - Number of Operations and Value of Sales, 2009-2011 ¹

Class	Number of Operations with Sales ²			Value of Sales ³			Percent Change from 2010
	2009	2010	2011	2009	2010	2011	
	Number	Number	Number	Dollars	Dollars	Dollars	Number
Trout	42	37	38	5,219,479	5,261,162	6,195,564	18%
Non-trout Foodfish	17	17	12	3,230,036	2,468,251	(D)	(D)
Baitfish	18	16	12	662,264	674,742	737,788	9%
Ornamental and Aquarium fish	18	13	10	(D)	(D)	(D)	(D)
Sport/Game fish	12	15	11	186,769	140,303	257,916	84%
Mollusks	7	9	8	(D)	(D)	(D)	(D)
Crustaceans	3	10	9	(D)	(D)	(D)	(D)
Other Aquaculture (includes trout eggs)	13	11	10	18,598	11,930	16,550	39%
All Aquaculture	57	66	64	10,062,726	9,499,905	9,991,901	5%

(D) = Cannot be disclosed due to confidentiality rules that do not allow disclosure of individual sales data. ¹ Includes only operations that had at least \$1,000 in aquaculture sales during the 2011 calendar year. ² The sum of operations number for specific categories is greater than the total number of operations due to some operations producing multiple species in different categories. ³ Total value of sales includes the value of non-disclosed categories.

Food fish - Farm raised for food, or for either food or sport such as carp, catfish, hybrid striped bass, perch, salmon, sturgeon, tilapia, and walleye.

Baitfish - Fish used for bait such as fathead minnows, golden shiners, feeder goldfish, suckers, killifish, chubs, and other types of minnows.

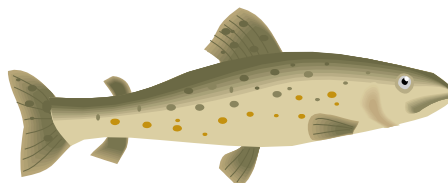
Ornamental/aquarium fish - Various fish raised for water gardens such as koi, ornamental goldfish, and ornamental catfish. Examples of fish in the Aquarium fish category include angelfish, guppies, and tropical fish. Ornamental fish are divided into two categories: Aquarium species may not be propagated in open air facilities; Ornamental species can be propagated outdoors.

Sport/game fish - Farm-raised fish for sport or game fishing, such as largemouth bass, bluegill, crappie, sunfish, muskie, northern pike, and small mouth bass.

Mollusks - Invertebrate animals with soft body coverings and shells of 1-18 parts or sections. This category includes the production of clams, mussels, oysters, and snails.

Crustaceans - Invertebrate animals with many jointed legs and a hard external shell, such as crawfish, shrimp, and soft-shell crabs.

Other aquaculture - The production of frogs, tadpoles, turtles, and egg and seed stock not listed separately.



NOTE: Due to differences in survey methodology, the State mandated reporting nature of this State-sponsored census and various rounding rules, the number of trout operations and their value of sales differs slightly from the Trout Production report published in February 2012 by the National Agricultural Statistics Service, USDA.

Economics



Price and Income, 2011

By Tyler D. Heep

Some of the market year average prices in 2011 were lower than in 2011, but overall most prices went up. Market year average prices improved for corn, oats, barley, wheat, soybeans, all hay, other hay, tobacco, apples, milk cows, wholesale milk and wool. Potato prices

remained unchanged. Preliminary cash receipts for all commodities in 2011 were \$6.69 billion. Total crop cash receipts were estimated at \$2.31 billion. Livestock cash income was \$4.38 billion. Net farm income in 2011 was \$2.04 billion.

Pennsylvania: Prices Received By Farmers, Monthly, 2011

Commodity	Unit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Corn	Bu.	6.34	6.82	6.88	7.23	7.08	7.73	7.54	8.52	7.02	6.91	6.79	6.63
Oats	Bu.	4.31	3.99	3.98	4.60	4.72	3.76	3.66	3.98	4.08	4.39	5.83	4.30
All hay, baled	Ton	118.00	123.00	126.00	131.00	134.00	156.00	160.00	139.00	103.00	130.00	127.00	156.00
Alfalfa hay, baled	Ton	153.00	163.00	159.00	165.00	155.00	175.00	217.00	177.00	161.00	187.00	180.00	194.00
Other hay, baled	Ton	110.00	113.00	118.00	127.00	124.00	147.00	133.00	125.00	89.00	119.00	100.00	130.00
Apples, fresh market	Lb.	(NA)	0.214	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.325	0.318
Barrows and gilts ²	Cwt.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Steers and heifers ²	Cwt.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Cows, slaughter ²	Cwt.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Calves ²	Cwt.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Milk, wholesale	Cwt.	18.90	20.70	22.00	21.50	22.10	22.90	23.50	24.10	23.70	22.20	22.20	21.40
Milk cows ¹	Cwt.	1,400	(NA)	(NA)	1,450	(NA)	(NA)	1,550	(NA)	(NA)	1,550	(NA)	(NA)

¹Estimated quarterly. ²Barrows and gilts, steers and heifers, cows, and calves prices have been discontinued. (NA) Not available

Pennsylvania: Market Year Average Prices Received By Farmers, 2004-2011

Commodity	Unit	Marketing Year	2004	2005	2006	2007	2008	2009	2010	2011
			(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Corn	Bu.	Sep 1 - Aug 31	2.25	2.30	3.54	4.56	3.75	3.84	6.12	7.10
Oats	Bu.	Jul 1 - Jun 30	1.89	2.28	2.07	3.20	3.20	2.74	3.14	4.30
Barley	Bu.	Jun 1 - May 31	2.20	1.87	1.77	2.90	4.60	2.82	3.46	4.79
Winter wheat	Bu.	Jul 1 - Jun 30	3.40	3.50	3.52	6.60	6.05	4.10	5.00	6.53
Soybeans	Bu.	Sep 1 - Aug 31	5.43	5.60	6.25	10.70	10.20	9.40	12.10	12.50
Potatoes	Cwt.	Aug 1 - May 31	7.45	11.40	10.50	10.10	13.30	12.70	12.10	12.10
All hay, dry baled	Ton	May 1 - Apr 30	122.00	134.00	136.00	175.00	198.00	131.00	120.00	191.00
Alfalfa hay, dry baled	Ton	May 1 - Apr 30	143.00	153.00	161.00	191.00	162.00	153.00	147.00	134.00
Other hay, dry baled	Ton	May 1 - Apr 30	112.00	125.00	131.00	172.00	173.00	124.00	113.00	144.00
Tobacco, all	Lb.	Oct 1 - Sep 30	1.352	1.399	1.616	1.650	1.650	1.674	1.675	1.680
Apples, all	Lb.	Jul 1 - Jun 30	0.101	0.100	0.128	0.142	0.142	0.180	0.159	0.182
Hogs, all ¹	Cwt.	Dec 1 - Nov 30	46.70	47.30	41.90	40.90	40.90	41.50	51.50	(NA)
Steers and heifers ¹	Cwt.	Jan 1 - Dec 31	81.90	84.20	83.20	87.90	87.90	80.20	89.60	(NA)
Cows, slaughter ¹	Cwt.	Jan 1 - Dec 31	49.20	51.00	47.10	48.40	48.40	45.40	52.10	(NA)
Calves ¹	Cwt.	Jan 1 - Dec 31	111.00	132.00	133.00	116.00	116.00	102.00	99.90	(NA)
Sheep ¹	Cwt.	Jan 1 - Dec 31	43.50	51.40	45.20	43.00	43.00	45.90	64.20	(NA)
Lambs ¹	Cwt.	Jan 1 - Dec 31	115.00	116.00	109.00	116.00	116.00	118.00	129.00	(NA)
Milk cows	Hd.	Jan 1 - Dec 31	1,550.00	1,730.00	1,750.00	1,900.00	1,900.00	1510.00	1,400.00	1,490.00
Farm chickens ¹	Lb.	Dec 1 - Nov 30	0.009	0.010	0.011	0.011	0.011	0.014	0.014	(NA)
Turkeys ¹	Lb.	Jan 1 - Dec 31	0.48	0.49	0.54	0.52	0.52	0.64	0.60	(NA)
Milk, wholesale	Cwt.	Jan 1 - Dec 31	17.60	16.90	14.60	20.90	20.90	20.00	18.30	22.10
Wool	Lb.	Jan 1 - Dec 31	0.27	0.27	0.30	0.31	0.31	0.33	0.37	0.44

¹State level price discontinued. (NA) Not available

Prices Paid By Farmers for Feed, 2010-2012

Item	Unit	Northeast region			United States		
		March 2010	March 2011	March 2012	March 2010	March 2011	March 2012
		(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Alfalfa Meal	Cwt	27.60	30.40	31.70	23.80	24.00	25.30
Alfalfa Pellets	Cwt	29.00	29.70	30.50	23.20	24.10	25.60
Bran	Cwt	20.70	23.80	24.90	22.70	24.70	26.00
Beef Cattle Conc. 32-36% Protein	Ton	378	503	543	413	498	521
Corn Meal	Cwt	13.00	18.20	19.60	12.80	17.10	18.50
Cottonseed Meal, 41%	Cwt	24.30	28.10	29.00	25.40	26.60	27.40
Dairy Feed							
16% Protein ¹	Ton	242	340	359	274	369	383
18% Protein ¹	Ton	272	367	376	284	365	379
20% Protein ¹	Ton	273	356	359	274	356	361
32-38% Protein Conc.	Ton	377	492	496	419	522	538
Hog Feed							
14-18% Protein ^{1 2}	Ton	284	424	461	303	385	404
38-42% Protein Conc.	Ton	482	580	606	446	563	575
Molasses, Liquid	Cwt	15.50	18.40	20.30	21.30	22.30	23.40
Poultry Feed ¹							
Broiler Grower	Ton	442	534	585	456	502	560
Chick Starter	Ton	483	538	556	485	541	554
Laying Feed	Ton	368	398	422	374	450	475
Turkey Grower	Ton	496	535	544	434	495	510
Soybean Meal, 44%	Cwt	23.80	27.50	28.30	23.80	26.80	27.60
Soybean Meal, over 44%	Cwt	21.30	26.90	27.70	21.20	24.80	25.50
Stock Salt	50 Lb	6.95	7.35	7.39	5.92	6.18	6.33
Trace Mineral Blocks	50 Lb	8.97	8.74	9.28	8.02	8.16	8.52

¹ Complete ration feed, fed without mixing or supplementation. ² Excluding pig starter.

Prices Paid By Farmers for Fuels, 2010-2012

Item	Northeast region			United States		
	March 2010	March 2011	March 2012	March 2010	March 2011	March 2012
	(dollars per gallon)	(dollars per gallon)	(dollars per	(dollars per gallon)	(dollars per gallon)	(dollars per gallon)
Fuels, bulk delivery						
Service Station	2.831	3.600	3.891	2.787	3.543	3.832
Unleaded Gasoline ¹	2.849	3.688	4.005	2.818	3.575	3.854
Diesel Fuel ^{2 3}	2.690	3.716	3.888	2.540	3.533	3.712
L.P. Gas ²	2.783	3.071	3.112	2.014	2.176	2.237

¹ Includes Federal, State and local per gallon taxes. ² Excludes State road taxes, but includes State and local per gallon taxes where applicable. ³ Excludes Federal excise tax.

Prices Paid By Farmers for Fertilizer and Agricultural Limestone, 2010-2012

Item	Northeast region ¹			United States		
	March 2010	March 2011	March 2012	March 2010	March 2011	March 2012
	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)
0-20-20	²	²	²	²	*	*
5-10-10	²	²	²	²	*	*
6-24-24	501	637	660	565	675	691
10-6-4	²	²	²	²	*	*
10-10-10	408	485	497	408	477	499
10-20-10	²	²	²	²	*	
10-20-20	508	616	641	516	613	643
10-34-0	457	597	618	422	675	701
11-52-0	563	725	750	535	740	762
15-15-15	²	²	²	²	*	*
18-46-0 (DAP)	565	719	741	508	703	726
19-19-19	552	650	676	520	648	674
Ammonium Nitrate	409	555	586	398	479	506
Limestone, Spread	40.10	89.10	92.70	27.50	46.40	49.00
Nitrogen Solution 30%	356	389	398	283	351	373
Superphosphate 44-46%	657	831	858	507	633	665
Urea 44-46%	520	598	623	448	526	554

¹ Northeast Region: CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT, WV. ² Discontinued in 2010.

Farm Production Expenditures, 2011

By Julie A. Donahoe

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

U.S. Farm Production Expenditures Reach Record High: 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 to 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 conditions, up \$1,975, or 20.6 percent.

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 to 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).

Atlantic Region - CT, DE, KY, ME, MD, MA, NH, NJ, NY, NC, **PA**, RI, TN, VA, VT, WV

Midwest - IL, IN, IA, MI, MN, MO, OH, WI

Plains - KS, NE, ND, OK, SD, TX

West - AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY

South - AL, AR, FL, GA, LA, MS, SC

Farm Production Expenditures: Major Input Items, Average per Farm, and Total - Atlantic Region¹⁴ & U.S.¹, 2010-2011

Expenditure	Farms reporting		Average per farm ¹⁰		Total expenditures	
	2010 (percent)	2011 (percent)	2010 (dollars)	2011 (dollars)	2010 (million dollars)	2011 (million dollars)
Atlantic¹⁴						
Livestock, poultry and related expenses ³	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 ⁴	94.3	94.4	9,846	10,279	4,380	4,510
Rent ^{5 11}	21.7	22.7	2,967	2,917	1,320	1,280
Agricultural chemicals ⁶	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 ¹¹	27.0	29.1	2,495	2,439	1,110	1,070
Taxes ²	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 ¹³	88.0	89.5	3,687	4,307	1,640	1,890
Farm supplies and repairs ⁷	86.4	87.6	5,507	5,424	2,450	2,380
Farm improvements and construction ⁸	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 ⁹	38.0	41.2	3,484	3,761	1,550	1,650
Trucks and autos	15.3	13.2	1,826	1,413	570	620
Miscellaneous capital expenses ¹²	6.4	2.4	112	91	50	40
Total farm production expenditures	100.0	100.0	80,814	89,113	35,950	39,100
United States¹						
Livestock, poultry and related expenses ³	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 ⁴	93.2	93.6	16,281	17,075	35,700	37,100
Rent ^{5 11}	28.3	28.9	11,812	12,104	25,900	26,300
Agricultural chemicals ⁶	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 ¹¹	34.5	33.8	4,652	4,510	10,200	9,800
Taxes ²	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 ¹³	82.8	84.7	5,883	7,042	12,900	15,300
Farm supplies and repairs ⁷	79.8	81.8	7,251	7,502	15,900	16,300
Farm improvements and construction ⁸	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 ⁹	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 ¹²	11.6	7.5	87	129	190	280
Total farm production expenditures	100.0	100.0	131,821	146,653	289,050	318,650

See footnotes on next page.

- ¹ Excludes AK and HI.
 - ² The sum of real estate taxes and personal property taxes for operator, landlord, and contractor.
 - ³ Includes purchases and leasing of livestock and poultry. Intra-state and inter-state transfers of livestock are capture. (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.)
 - ⁴ Includes all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, utilities, general expenses, and miscellaneous business expenses.
 - ⁵ Includes cash rent paid, share rent, plus public and private grazing fees.
 - ⁶ Includes material and application costs.
 - ⁷ Includes bedding/litter, marketing containers, power farm shop equipment, oil and lubricants, temporary fencing, miscellaneous non-capital equipment and supplies, repairs and maintenance of equipment not depreciated, and other small, non-capital equipment.
 - ⁸ 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.
 - ⁹ Excludes bedding plants, nursery stock, and seed purchased for resale. Includes all purchases of seed, plants, or seed treatments for nursery or farming operation.
 - ¹⁰ Average per farm is computed by dividing the total expense by the total number of farms at that level (United States, region, type, economic class, or state).
 - ¹¹ All expense line items include the operator, landlord, and contractor shares of farm production expenses.
 - ¹² Records any capital expenses not recorded in specific items on the questionnaire. It was estimated for the first time in 2005. Due to 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.
 - ¹³ Includes all other fuels not specifically listed in the questionnaire (natural gas, coal, fuel oil, kerosene, wood, etc).
 - ¹⁴ Atlantic Region consists of CT, DE, KY, ME, MD, MA, NH, NJ, NY, NC, PA, RI, TN, VA, VT, WV.
-

Pennsylvania: Farm Income Indicators, 2006-2011

Item ¹	2006	2007	2008	2009	2010	2011
	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)
Value of crop production	1,752,696	1,852,246	2,110,695	2,017,262	1,995,647	2,288,595
Food grains	32,908	49,762	85,388	53,962	45,088	63,528
Feed crops	454,515	561,567	666,699	508,692	693,179	779,379
Cotton	-	-	-	-	-	-
Oil crops	90,975	134,180	178,918	176,757	199,603	250,277
Tobacco	14,969	26,309	26,183	23,977	31,162	33,541
Fruits and tree nuts	122,596	134,868	165,160	152,910	157,975	163,781
Vegetables	169,816	147,870	168,099	153,684	141,314	133,892
All other crops	782,889	819,014	865,704	857,407	859,307	887,890
Home consumption	4,177	3,025	3,946	3,687	4,580	3,372
Value of inventory adjustment ²	79,851	-24,349	-52,402	86,186	-136,561	-27,065
Value of livestock production	2,998,493	3,886,431	3,905,954	3,108,291	3,706,533	4,382,481
Meat animals	691,825	678,319	673,148	590,308	737,864	906,367
Dairy products	1,560,594	2,219,162	2,102,200	1,509,840	1,954,989	2,332,434
Poultry and eggs	675,877	911,034	1,093,141	904,474	955,261	1,059,870
Miscellaneous livestock	53,590	55,936	58,536	56,146	57,187	78,648
Home consumption	8,060	7,872	8,941	8,994	9,117	8,189
Value of inventory adjustment ²	8,547	14,108	-30,012	38,529	-7,885	-3,027
Revenues from services and forestry	823,749	881,489	894,174	925,805	971,804	948,344
Machine hire and customwork	45,282	47,330	41,244	77,842	131,452	73,574
Forest products sold	24,705	19,625	19,625	19,625	19,625	19,625
Other farm income	195,050	244,813	260,637	260,230	254,342	260,171
Gross imputed rental value of farm dwelling	558,712	569,721	572,668	568,108	566,385	594,974
Value of agricultural sector production	5,574,938	6,620,166	6,910,823	6,051,358	6,673,984	7,619,420
less: Purchased inputs	2,782,530	3,402,145	3,709,910	3,334,254	3,470,131	3,763,498
Farm origin	1,102,128	1,341,334	1,579,141	1,394,536	1,513,569	1,644,945
Feed purchased	729,228	915,808	1,154,216	996,848	1,140,832	1,228,945
Livestock and poultry purchased	203,917	209,509	189,745	169,476	154,977	187,788
Seed purchased	168,983	216,017	235,180	228,212	217,760	228,212
Manufactured inputs	578,008	695,432	765,068	686,537	688,216	782,147
Fertilizers and lime	165,775	189,403	243,883	207,650	227,067	261,768
Pesticides	98,598	120,395	113,798	128,641	112,148	131,939
Petroleum fuel and oils	218,217	269,481	293,190	235,364	245,343	285,806
Electricity	95,418	116,153	114,197	114,882	103,658	102,634
Other purchased inputs	1,102,394	1,365,379	1,365,701	1,253,181	1,268,346	1,336,406
Repair and maintenance of capital items	318,280	351,793	333,031	310,410	296,445	366,359
Machine hire and customwork	54,432	52,862	52,201	66,848	53,141	61,006
Marketing, storage, and transportation ex.	144,354	192,348	175,007	183,986	203,399	211,401
Contract labor	44,958	61,003	42,628	53,523	42,323	43,564
Miscellaneous expenses	540,370	707,373	762,834	638,414	673,038	654,076
plus: Net government transactions	-164,133	-278,073	-294,512	-176,618	-257,417	-317,767
+ Direct Government payments	134,491	77,168	87,359	161,349	81,307	73,764
- Motor vehicle registration and licensing fee	10,644	16,614	10,875	11,789	10,056	10,575
- Property taxes	287,980	338,627	370,996	326,178	328,668	380,956
Gross value added	2,628,275	2,939,948	2,906,401	2,540,486	2,946,436	3,538,155
less: Capital consumption	765,264	796,123	843,698	884,000	900,946	942,854
Net value added	1,863,011	2,143,825	2,062,703	1,656,486	2,045,490	2,595,301
less: Payments to stakeholders	613,063	752,931	707,698	695,086	648,343	553,708
Employee compensation (total hired labor)	522,249	638,266	609,386	586,709	535,036	464,187
Net rent received by nonoperator landlords	-142,717	-129,761	-152,065	-135,529	-124,002	-137,091
Real estate and nonreal estate interest	233,531	244,426	250,377	243,906	237,309	226,612
Net farm income	1,249,948	1,390,894	1,355,005	961,400	1,397,147	2,041,593

¹ Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operator's share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development. ² A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales.

Source: Economic Research Service (ERS), USDA.

Pennsylvania: Cash Receipts from Farm Marketing and Government Payments, 1940-2011

Year	Cash income from farm marketings			USDA government payments	Total marketings and government payments ¹
	Crops	Livestock and livestock products	Total crops and livestock ¹		
	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
1940	75.8	192.9	268.7	6.7	275.4
1950	170.3	531.7	702.0	6.3	708.3
1960	206.0	601.0	807.0	11.8	818.8
1970	260.9	775.9	1,036.8	25.2	1,062.0
1980	689.3	1,943.4	2,632.7	8.3	2,641.0
1990	1,033.8	2,697.8	3,731.6	41.4	3,773.0
2000	1,366.5	2,764.6	4,131.1	147.9	4,279.0
2002	1,433.3	2,676.1	4,109.4	129.4	4,238.8
2003	1,427.4	2,845.6	4,273.0	183.7	4,456.7
2004	1,729.5	3,304.5	5,034.0	91.4	5,125.4
2005	1,582.5	3,235.6	4,818.1	140.2	4,958.3
2006	1,668.7	2,981.9	4,650.6	134.5	4,785.1
2007	1,873.6	3,864.5	5,738.0	77.2	5,815.2
2008	2,122.8	3,922.8	6,045.7	87.4	6,133.1
2009	1,932.6	3,047.0	4,979.6	161.4	5,141.0
2010	2,127.6	3,705.3	5,832.9	81.3	5,914.2
2011 ²	2,312.3	4,377.3	6,689.6	73.8	6,763.4

¹ May not add due to rounding. ² Preliminary.

Pennsylvania: Leading Commodities for Cash Receipts to Farmers, 2011

Item	Value of receipts	Percent of total receipts	Cumulative Percent	Percent of U.S. value	U.S. Rank	Value of U.S. receipts
	(1,000 dollars)	(percent)	(percent)	(percent)		(1,000 dollars)
All commodities	6,689,606	100.0	—	1.8	23	374,251,708
Livestock and products	4,377,319	65.4	—	2.6	12	165,997,906
Crops	2,312,287	34.6	—	1.1	26	208,253,802
1 Dairy products	2,332,434	34.9	34.9	5.9	5	39,532,545
2 Corn	646,827	9.7	44.6	1.0	16	63,874,136
3 Cattle and calves	582,074	8.7	53.3	0.9	24	62,925,466
4 Chicken eggs	497,039	7.4	60.7	6.8	2	7,316,743
5 Mushrooms, agaricus	488,427	7.3	68.0	69.3	1	704,615
6 Broilers	406,072	6.1	74.1	1.8	14	23,172,674
7 Greenhouse/nursery	348,973	5.2	79.3	2.2	11	15,598,464
8 Hogs	324,293	4.8	84.1	1.5	13	21,686,656
9 Soybeans	250,277	3.7	87.8	0.7	19	37,574,197
10 Turkeys	119,180	1.8	89.6	2.4	11	4,991,705
11 Hay	113,687	1.7	91.3	1.7	19	6,656,155
12 Apples	87,402	1.3	92.6	3.6	4	2,402,402
13 Wheat	60,824	0.9	93.5	0.4	32	14,648,452
14 Tobacco	33,541	0.5	94.0	3.2	7	1,055,637
15 Grapes	26,657	0.4	94.4	0.6	6	4,290,335
16 Peaches	23,462	0.4	94.8	4.0	na	588,330
17 Potatoes	23,085	0.3	95.1	0.6	17	3,758,528
18 Beans, snap	12,704	0.2	95.3	2.7	na	465,396
19 Tomatoes	11,851	0.2	95.5	0.5	13	2,232,158
20 Barley	10,523	0.2	95.7	1.5	na	706,067
21 Strawberries	8,480	0.1	95.8	0.4	6	2,399,687
22 Oats	8,342	0.1	95.9	8.3	na	100,363
23 Cantaloups	5,199	0.1	96.0	1.5	na	350,551
Corn, sweet	1/	--	--	--	--	--
Aquaculture	1/	--	--	--	--	--
Government payments	73,764	--	--	0.7	33	10,421,404
Net farm income	2,033,755	--	--	1.7	28	117,907,650

na = Not available

-- = Not applicable

Numbers may not add due to rounding.

1/ Commodities at the bottom of the above ranked list of commodities and having no accompanying data would have appeared within the ranked list of leading commodities, but were excluded to avoid disclosure of confidential information about individual producers.

Pennsylvania: Cash Receipts from Sale of Agricultural Products from Farms by Commodities, 2006-2011 ¹

Commodity	2006 (1,000 dols.)	2007 (1,000 dols.)	2008 (1,000 dols.)	2009 (1,000 dols.)	2010 (1,000 dols.)	2011 (1,000 dols.)
All commodities	4,650,554	5,738,021	6,086,176	4,988,155	5,832,928	6,689,606
Livestock and products	2,981,886	3,864,451	3,927,025	3,060,768	3,705,301	4,377,319
Meat animals	691,825	678,319	673,148	590,308	737,864	906,367
Cattle and calves	466,354	462,283	493,627	412,286	463,298	582,074
Hogs	218,511	210,335	173,726	172,245	268,708	324,293
Sheep and lambs ²	6,960	5,701	5,795	5,777	5,858	NA
Dairy products: Milk	1,560,594	2,219,162	2,102,200	1,509,840	1,954,989	2,332,434
Poultry/eggs	675,877	911,034	1,093,141	904,474	955,261	1,059,870
Broilers	306,693	381,015	429,272	399,875	404,446	406,072
Farm chickens	608	568	645	620	595	814
Chicken eggs	238,351	389,119	488,056	367,224	408,227	497,039
Turkeys	101,370	103,532	138,368	99,990	105,228	119,180
Other poultry	28,855	36,800	36,800	36,765	36,765	36,765
Miscellaneous livestock	53,590	55,936	58,536	56,146	57,187	78,648
Honey	1,826	1,785	1,822	1,705	2,364	2,556
Wool	120	133	124	116	139	156
Aquaculture	NA	NA	10,541	NA	NA	NA
Trout	4,790	5,212	5,427	5,149	5,249	6,279
Other aquaculture	3,275	4,132	NA	5,050	4,238	3,797
Other livestock	43,550	44,624	46,049	44,088	45,160	65,824
Mink pelts	3,715	3,194	4,619	2,658	3,730	5,284
All other livestock	39,835	41,430	41,430	41,430	41,430	60,540
Crops	1,668,668	1,873,570	2,159,151	1,927,387	2,127,627	2,312,287
Food grains	32,908	49,762	85,388	53,962	45,088	63,528
Wheat	32,180	48,441	82,728	52,571	43,324	60,824
Feed crops	454,515	561,567	669,699	508,692	693,179	779,379
Barley	5,393	7,875	13,389	4,145	5,766	10,523
Corn	255,390	380,534	473,590	377,187	575,013	646,827
Hay	182,253	158,085	159,343	119,318	103,853	113,687
Oats	10,698	5,728	10,986	7,941	8,547	8,342
Sorghum grain	781	862	212	NA	NA	NA
Corn silage	NA	8,483	12,180	NA	NA	NA
Tobacco	14,969	26,309	26,183	23,977	31,162	33,541
Oil crops	90,975	134,180	178,918	176,757	199,603	250,277
Soybeans	90,975	134,180	178,918	176,757	199,603	250,277
Vegetables and melons	169,816	147,870	168,099	153,684	141,314	133,892
Potatoes, fall	31,932	18,697	32,094	33,248	24,974	23,085
Beans, snap, processing	6,730	7,941	10,099	7,070	8,545	12,704
Cabbage, fresh	5,520	4,601	4,234	4,990	5,940	3,193
Corn, sweet	NA	NA	NA	NA	NA	NA
Fresh	36,608	30,122	43,790	35,538	26,744	30,549
Processing	NA	NA	NA	NA	NA	NA
Peppers, fresh, green	NA	NA	NA	NA	NA	NA
Tomatoes	21,896	26,208	20,099	NA	NA	NA
Fresh	21,896	26,208	20,099	21,415	21,252	11,851
Processing	NA	NA	NA	NA	NA	NA
Misc. vegetables	62,572	54,775	52,369	45,100	48,929	46,974
Misc. vegetables	41,855	32,405	32,405	32,405	32,405	32,405
Pumpkins	20,717	22,370	19,964	12,695	16,524	14,569
Cantaloups	3,943	4,824	3,390	4,284	3,524	5,199
Fruits and nuts	122,596	134,868	165,160	152,910	157,975	163,781
Apples	55,971	65,404	83,099	72,717	79,818	87,402
Fresh	29,702	38,800	53,759	45,457	56,163	61,917
Processing	26,270	26,604	29,340	27,260	23,654	25,485
Cherries, tart	1,474	1,392	1,658	974	540	1,150
Grapes	20,280	22,362	26,841	18,136	25,081	26,657
Peaches	19,454	17,524	21,528	28,967	23,881	23,462
Pears, Bartlett	2,706	2,869	1,786	4,066	2,533	2,100
Strawberries, spring	11,356	10,472	15,403	13,520	11,592	8,480
Other berries	8,845	11,145	11,145	11,145	11,145	11,145
Misc. fruits & nuts	2,510	3,700	3,700	3,385	3,385	3,385
All other crops	782,889	819,014	865,704	857,407	859,307	887,890
Maple products	2,145	1,738	3,830	3,505	2,268	5,120
Other seeds	2,585	3,195	NA	3,195	3,195	3,195
Other field crops	35,375	7,255	7,255	18,015	18,810	21,938
Greenhouse/nursery	312,675	335,653	365,908	355,393	353,703	348,973
Floriculture	171,121	176,178	172,918	NA	NA	NA
Christmas trees	10,710	18,405	18,405	18,405	18,405	18,405
Other greenhouse/nursery	16,925	141,070	174,585	336,298	335,298	330,568
Mushrooms, agaricus	407,417	446,476	457,128	452,675	462,386	488,427

NA = not available. ¹ USDA estimates and publishes individual cash receipt values only for major commodities and major producing States. The U.S. receipts for individual commodities, computed as the sum of the reported States, may understate the value of sales for some commodities, with the balance included in the appropriate category labeled "other" or "miscellaneous." The degree of underestimation in some of the minor commodities can be substantial. ² Beginning in 2011, sheep and lambs are included in all other livestock. **Source: USDA, Economic Research Service.**

Pennsylvania: Cash Receipts from the Sale of Agricultural Crops, 2011

County and district	Crops				Total all crops
	Field	Vegetables and potatoes	Fruits	Horticulture & mushrooms	
	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)
Adams	31,506	1,003	67,403	8,225	108,137
Allegheny	979	-	359	16,767	18,105
Armstrong	12,687	-	427	28,555	41,669
Beaver	6,924	-	503	4,534	11,961
Bedford	18,005	-	4,157	272	22,434
Berks	49,570	1,155	4,968	131,445	187,138
Blair	8,395	-	261	1,954	10,610
Bradford	11,577	-	619	1,517	13,713
Bucks	16,021	-	1,696	24,820	42,537
Butler	19,417	1,545	512	10,782	32,256
Cambria	10,432	22,934	217	3,562	37,145
Cameron	195	-	46	-	241
Carbon	2,493	-	101	1,278	3,872
Centre	20,267	1,460	984	1,263	23,974
Chester	34,798	4,613	1,757	421,655	462,823
Clarion	12,239	2,918	190	1,065	16,412
Clearfield	3,961	-	106	2,212	6,279
Clinton	6,546	1,244	6	370	8,166
Columbia	18,767	1,519	7	10,422	30,715
Crawford	43,385	1,928	600	1,113	47,026
Cumberland	34,855	-	2,349	6,325	43,529
Dauphin	23,083	5,169	985	3,642	32,879
Delaware	570	-	57	17,716	18,343
Elk	932	-	89	-	1,021
Erie	25,148	24,754	26,878	14,796	91,576
Fayette	12,276	-	310	4,407	16,993
Forest	768	1,426	-	-	2,194
Franklin	26,572	4,412	12,235	2,791	46,010
Fulton	5,162	-	30	76	5,268
Greene	2,708	-	274	1,479	4,461
Huntingdon	9,574	-	796	42	10,412
Indiana	23,296	3,949	571	15,090	42,906
Jefferson	7,470	-	112	1,322	8,904
Juniata	13,087	1,596	480	754	15,917
Lackawanna	929	1,373	482	992	3,776
Lancaster	130,822	5,432	3,892	42,550	182,696
Lawrence	21,202	-	279	3,076	24,557
Lebanon	35,011	-	784	7,780	43,575
Lehigh	28,288	3,662	4,568	7,384	43,902
Luzerne	7,409	4,955	1,161	3,872	17,397
Lycoming	21,944	1,108	2,674	7,983	33,709
McKean	810	-	10	462	1,282
Mercer	42,914	-	231	11,801	54,946
Mifflin	11,972	-	1,195	696	13,863
Monroe	3,668	-	625	826	5,119
Montgomery	4,213	-	802	18,789	23,804
Montour	8,387	-	482	2,129	10,998
Northampton	28,968	1,408	976	3,378	34,730
Northumberland	34,883	4,995	1,274	2,903	44,055
Perry	20,872	-	283	412	21,567
Philadelphia	-	-	-	-	-
Pike	1,634	-	-	1,318	2,952
Potter	2,503	1,541	54	-	4,098
Schuylkill	19,029	23,350	1,999	1,517	45,895
Snyder	17,275	-	2,054	655	19,984
Somerset	20,072	1,545	201	2,569	24,387
Sullivan	2,256	-	16	-	2,272
Susquehanna	3,580	-	556	219	4,355
Tioga	9,534	-	26	287	9,847
Union	19,003	-	423	357	19,783
Venango	7,612	-	22	379	8,013
Warren	3,734	-	169	349	4,252
Washington	6,751	-	718	4,153	11,622
Wayne	2,443	-	66	771	3,280
Westmoreland	17,891	-	567	7,650	26,108
Wyoming	4,336	-	489	887	5,712
York	73,114	2,898	6,618	11,495	94,125
Northwestern	123,561	28,108	27,900	28,438	208,007
North Central	56,297	3,893	3,540	10,619	74,349
Northeastern	11,288	1,373	1,593	2,869	17,123
West Central	103,235	8,412	2,594	64,424	178,665
Central	219,958	37,673	9,547	31,003	298,181
East Central	91,489	33,375	9,430	19,573	153,867
Southwestern	60,677	1,545	2,429	37,025	101,676
South Central	189,214	8,313	92,792	29,184	319,503
Southeastern	271,005	11,200	13,956	664,755	960,916
Pennsylvania	1,126,724	133,892	163,781	887,890	2,312,287

Pennsylvania: Cash Receipts from the Sale of Livestock, Livestock Products, and Total Cash Receipts, 2011

County and district	Livestock and products			USDA government payments	Total all crops, livestock products and USDA government payments
	Poultry [†] , meat animals & miscellaneous livestock	Dairy	Total livestock and products		
	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)
Adams	106,389	34,364	140,753	1,944	250,834
Allegheny	1,630	859	2,489	31	20,625
Armstrong	6,270	15,034	21,304	502	63,475
Beaver	4,687	7,732	12,419	236	24,616
Bedford	22,909	74,311	97,220	1,999	121,653
Berks	113,711	98,796	212,507	3,447	403,092
Blair	15,059	76,030	91,089	1,245	102,944
Bradford	32,042	83,761	115,803	5,628	135,144
Bucks	6,189	9,020	15,209	868	58,614
Butler	8,021	14,605	22,626	656	55,538
Cambria	4,548	8,591	13,139	553	50,837
Cameron	252	301	553	24	818
Carbon	571	859	1,430	102	5,404
Centre	14,091	45,532	59,623	938	84,535
Chester	33,379	81,184	114,563	2,321	579,707
Clarion	6,524	12,027	18,551	295	35,258
Clearfield	2,335	6,014	8,349	278	14,906
Clinton	8,856	24,055	32,911	550	41,627
Columbia	13,047	12,886	25,933	1,265	57,913
Crawford	35,831	55,411	91,242	2,521	140,789
Cumberland	40,404	69,586	109,990	2,098	155,617
Dauphin	40,881	24,914	65,795	494	99,168
Delaware	233	86	319	-	18,662
Elk	1,309	2,148	3,457	64	4,542
Erie	7,181	21,477	28,658	1,251	121,485
Fayette	8,497	13,316	21,813	353	39,159
Forest	472	859	1,331	52	3,577
Franklin	117,911	184,705	302,616	2,709	351,335
Fulton	17,124	22,336	39,460	825	45,553
Greene	5,431	2,148	7,579	194	12,234
Huntingdon	21,431	49,827	71,258	1,619	83,289
Indiana	12,980	32,645	45,625	526	89,057
Jefferson	3,884	9,450	13,334	585	22,823
Juniata	65,416	33,505	98,921	1,267	116,105
Lackawanna	2,039	5,155	7,194	216	11,186
Lancaster	536,341	472,502	1,008,843	5,630	1,197,169
Lawrence	8,358	24,914	33,272	607	58,436
Lebanon	137,718	98,796	236,514	2,018	282,107
Lehigh	4,078	5,584	9,662	746	54,310
Luzerne	3,648	4,725	8,373	725	26,495
Lycoming	17,577	21,477	39,054	890	73,653
McKean	1,923	3,436	5,359	269	6,910
Mercer	12,951	37,370	50,321	1,859	107,126
Mifflin	29,986	50,686	80,672	978	95,513
Monroe	973	430	1,403	154	6,676
Montgomery	5,132	5,155	10,287	123	34,214
Montour	8,156	8,591	16,747	240	27,985
Northampton	2,929	8,591	11,520	426	46,676
Northumberland	47,606	23,195	70,801	987	115,843
Perry	64,868	37,370	102,238	2,332	126,137
Philadelphia	49	-	49	-	49
Pike	152	43	195	203	3,350
Potter	6,484	22,336	28,820	781	33,699
Schuylkill	58,179	15,034	73,213	1,485	120,593
Snyder	96,464	26,202	122,666	939	143,589
Somerset	19,307	71,734	91,041	998	116,426
Sullivan	1,581	8,161	9,742	307	12,321
Susquehanna	11,739	36,082	47,821	2,011	54,187
Tioga	16,422	45,102	61,524	3,855	75,226
Union	46,977	35,652	82,629	643	103,055
Venango	2,980	6,873	9,853	411	18,277
Warren	4,988	17,182	22,170	631	27,053
Washington	12,749	12,886	25,635	1,604	38,861
Wayne	5,350	21,907	27,257	674	31,211
Westmoreland	12,812	25,773	38,585	1,191	65,884
Wyoming	2,737	8,161	10,898	769	17,379
York	82,137	42,955	125,092	1,622	220,839
Northwestern	64,403	139,172	203,575	6,725	418,307
North Central	86,446	210,777	297,223	12,368	383,940
Northeastern	21,865	71,305	93,170	3,670	113,963
West Central	50,724	116,407	167,131	3,407	349,203
Central	470,865	438,995	909,860	13,778	1,221,819
East Central	70,530	35,266	105,796	3,841	263,504
Southwestern	60,426	126,716	187,142	4,371	293,189
South Central	386,874	428,257	815,131	11,197	1,145,831
Southeastern	832,752	765,539	1,598,291	14,407	2,573,614
Pennsylvania	2,044,885	2,332,434	4,377,319	73,764	6,763,370

[†] Poultry combined with "Meat Animals & Miscellaneous Livestock" due to disclosure issues.

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Pennsylvania farmers voluntarily participate in quarterly agricultural labor surveys in January, April, July and October. These surveys provide data concerning the number of hired farm workers; hours worked, and wage rates. The survey reference week is the seven-day period (Sunday through Saturday) which includes the 12th day of the month. Results for Pennsylvania are published as part of Northeast Region II, which includes Delaware, Maryland, and New Jersey.

The total number of workers hired by farm operators in the Northeast II Region during 2011 ranged between a low of

25,000 in January to a high of 36,000 in October. The average hours worked during the survey week by all hired workers varied from 38 hours in January 2010 to 39.2 hours in July 2011.

In 2011, all hired workers earned between \$10.95 per hour in July to \$12.60 per hour in January. During the same period, field workers' hourly wage rates ranged between \$9.93 in July to \$12.08 in January. In contrast, livestock workers' hourly wage rates ranged from \$10.37 in January to \$10.46 in July.

Northeast II: Hired Farm Labor, Quarterly, 2008-2012 ^{1 2 3}

Year & Survey Week	All Hired Workers				Wage Rates by Type of Worker			
	Total	Expected to be Employed		Hours Worked During the Week	Field	Livestock	Field & Livestock	All Hired Workers
		150 Days or More	149 Days or Less					
	(1,000 workers)	(1,000 workers)	(1,000 workers)	(hours)	(dollars per hour)	(dollars per hour)	(dollars per hour)	(dollars per hour)
2008								
January 6-12	20	18	2	38.4	10.06	8.90	9.50	11.31
April 6-12	31	24	7	35.8	9.71	8.77	9.42	10.00
July 6-12	35	20	15	41.5	9.66	8.68	9.50	10.10
October 12-18	33	21	12	36.8	9.67	9.24	9.57	10.25
2009								
January 11-17	21	19	2	37.0	10.80	9.69	10.30	11.40
April 12-18	22	18	4	36.6	10.60	8.86	9.95	11.10
July 12-18	38	27	11	39.1	9.83	9.09	9.65	10.20
October 11-17	37	28	9	41.0	10.28	9.50	10.05	10.88
2010								
January 10-16	25	22	3	36.5	11.57	9.63	10.82	12.00
April 11-17	31	25	6	40.6	10.43	9.12	10.00	10.60
July 11-17	37	25	12	39.2	10.55	9.09	10.26	11.10
October 10-16	37	28	9	41.9	11.84	10.17	11.30	12.05
2011								
January 9-15	26	23	3	38	12.08	10.37	11.35	12.60
April 10-16 ⁴	-	-	-	-	-	-	-	-
July 10-16	33	21	12	39.2	9.93	10.46	10.05	10.95
October 9-15	36	26	10	39.0	10.04	10.43	10.15	11.16
2012								
January 8-14	25	21	4	34.8	10.50	10.25	10.42	11.86
April 8-14	35	26	9	39.3	10.19	9.84	10.10	11.14

¹ Northeast II Region includes DE, MD, NJ, and PA. ² Hired workers include field, livestock, supervisory, and other workers. ³ Farm labor excludes Agricultural Service Workers. ⁴ No Farm Labor Survey was conducted in April 2011.

Northeast II: Annual Average Wage Rates for Hired Workers, 2007-2011 ^{1 2}

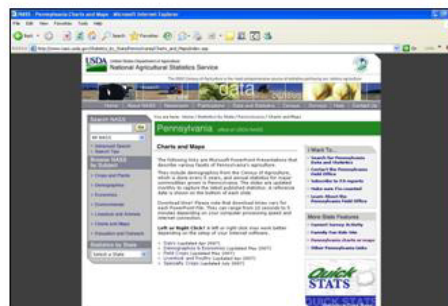
Year	All Hired	Field	Field and Livestock
	(dollars per hour)	(dollars per hour)	(dollars per hour)
2007	10.62	9.88	9.70
2008	10.32	9.72	9.50
2009	10.79	10.23	9.94
2010	11.42	11.05	10.60
2011	11.34	10.49	10.34

¹ Excludes Agricultural Service Workers. ² Annual rates are averages of the published wage rates for each survey week weighted by the number of hours worked during the week. The annual average for all States, Regions, and the U.S. is based on data collected for January, April, July and October.

Special Features

Charts and Graphs of Pennsylvania Agriculture

The following pages display a few of the Microsoft PowerPoint slides, which can be found on our website at www.pa.agdata.usda.gov. These slides describe various facets of Pennsylvania's agriculture. Many, many more can be found there!



From the Pennsylvania homepage, click on the 'Pennsylvania charts or maps' link located on the right-hand side under More State Features. Please note that download times vary for each PowerPoint file. They can range from 10 seconds to 5 minutes depending on your computer processing speed and Internet connection. A left or right click may work better depending on the setup of your Internet software.

The charts include demographics from the Census of Agriculture, which is done every 5 years, and annual statistics for major commodities grown in Pennsylvania. The slides are updated monthly on our site to capture the latest published statistics. A reference date is shown on the bottom of each slide.

You can find slides available on Dairy, Demographics & Economics, Field Crops, Livestock and Poultry, and Specialty Crops. A few slides from each category are shown on the next few pages.

Pennsylvania Agricultural Statistics Service 2010-2011

SPECIAL FEATURES - 115

Farm Computer Usage and Ownership

By Sherry S. Deane

For more detailed data, click on Demographics along the left hand side at www.nass.usda.gov

The percentage of Pennsylvania farms with computer access in 2011 averaged 60 percent, 5 percentage points above 2009. The proportion of Pennsylvania farms with internet access in 2011, at 58 percent, was up ten percentage points from 2009.

Nationally, 65 percent of farms had access to a computer in 2011, up slightly from 2009. Survey data indicated that 62 percent of U.S. farms had internet access in 2011, three percentage points above 2009.

Farm Computer Usage: Access, Ownership and Use, by State and United States, 2007, 2009 and 2011

State	Farms											
	With computer access			That own or lease computer			Using computers for farm business			With internet access		
	2007	2009	2011	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
AL	55	57	55	54	54	54	24	25	25	50	52	53
AZ ¹	52	45	55	50	39	52	33	15	18	45	40	55
AR	59	65	62	56	61	60	32	32	29	52	56	58
CA	71	69	68	66	68	65	42	44	44	66	66	63
CO	74	74	80	73	73	79	40	44	47	70	68	72
FL	61	71	70	60	61	68	37	38	45	56	65	69
GA	57	54	60	55	52	59	26	23	38	53	50	57
ID	83	80	83	81	79	82	50	42	46	66	68	76
IL	67	66	67	66	64	65	40	44	43	60	61	63
IN	64	68	65	62	65	63	38	42	39	57	61	62
IA	70	69	69	68	67	68	42	47	52	63	62	66
KS	68	69	66	64	67	64	39	42	39	57	64	62
KY	60	57	59	57	54	58	24	26	23	51	48	55
LA	51	53	60	49	51	54	25	26	28	49	46	53
MD ²	64	62	60	63	61	59	36	34	34	61	59	59
MI	64	69	73	58	62	63	34	41	38	59	61	62
MN	71	71	68	66	68	65	38	46	43	62	65	66
MS	51	53	59	47	50	56	22	22	27	44	47	51
MO	56	54	57	53	53	55	29	29	33	52	49	52
MT	72	73	76	70	72	74	44	52	49	63	69	73
NE	69	69	72	67	68	71	45	50	52	63	62	69
NH ³	78	83	80	75	78	79	50	47	50	67	75	78
NJ	69	76	77	63	75	75	45	46	57	63	75	75
NM	53	51	57	53	50	55	20	31	35	48	45	55
NY	67	71	68	63	68	65	36	44	42	63	66	66
NC	61	68	69	56	66	66	32	37	41	54	63	65
ND	67	65	69	64	63	69	44	49	50	61	61	67
OH	62	59	59	60	57	57	32	39	36	58	55	55
OK	55	60	66	54	60	64	32	32	38	53	57	62
OR	82	79	83	78	75	80	50	44	50	72	69	80
PA	58	55	60	54	51	57	29	27	36	51	48	58
SC	62	59	59	61	58	58	36	33	30	48	46	53
SD	70	68	68	69	66	66	40	45	42	64	62	63
TN	58	55	55	46	46	51	24	22	26	50	47	52
TX	62	61	60	55	58	57	33	30	30	52	57	58
UT	70	71	85	63	66	77	50	36	48	59	65	79
VA	62	68	65	59	65	62	28	32	29	54	67	61
WA	75	81	80	72	74	78	50	50	47	69	77	76
WV	63	64	61	54	60	59	32	30	30	47	61	58
WI	69	73	73	60	70	71	38	41	42	58	67	67
WY	76	81	84	74	80	79	43	40	37	66	80	78
US ⁴	64	64	65	60	61	63	35	36	37	57	59	62

¹ Includes AZ and NV. ² Includes DE and MD. ³ Includes CT, ME, MA, RI and VT. ⁴ Excludes AK and HI.

Farm Computer Usage: Access, Ownership and Use by Economic Class and Type of Farm, By Region and United States, 2007, 2009 and 2011 ¹

Region	Farms											
	With computer access			That own or lease computer			Using computers for farm business			With Internet access		
	2007	2009	2011	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast ²	66	67	68	62	63	65	37	37	42	58	61	66
\$1,000-9,999	65	67	68	62	63	64	27	32	36	59	61	65
\$10,000-99,999	62	67	69	58	62	67	45	42	45	58	62	67
\$100,000 and over	67	66	69	65	64	65	52	51	58	58	57	62
\$100,000-249,999	59	56	60	58	55	56	40	37	42	49	46	49
\$250,000 and over	75	76	80	71	72	76	63	64	75	67	68	75
Crop farms	65	66	69	60	60	67	37	35	42	57	59	67
Livestock farms	67	67	68	64	65	64	37	38	42	60	62	63
North Central ³	66	66	66	62	64	64	38	42	41	59	60	62
\$1,000-9,999	62	63	62	59	60	59	24	27	25	54	56	58
\$10,000-99,999	61	60	62	55	58	61	36	40	41	54	55	56
\$100,000 and over	78	77	78	74	75	77	60	63	64	73	71	74
\$100,000-249,999	70	70	71	67	68	70	52	54	53	64	63	67
\$250,000 and over	83	81	82	80	80	81	69	70	71	79	77	79
Crop farms	66	68	68	62	65	66	39	45	44	58	62	63
Livestock farms	66	65	64	62	62	61	35	37	36	61	58	59
South ⁴	59	60	61	55	57	59	30	29	31	52	55	58
\$1,000-9,999	55	57	58	53	54	56	24	22	25	50	52	55
\$10,000-99,999	59	61	63	54	57	60	33	35	36	51	56	59
\$100,000 and over	75	75	75	71	72	72	55	58	55	66	69	70
\$100,000-249,999	68	70	67	64	66	63	48	50	43	60	65	62
\$250,000 and over	78	78	80	75	75	77	61	65	66	70	72	75
Crop farms	58	59	62	54	56	60	30	29	32	50	54	59
Livestock farms	59	60	61	55	57	59	30	29	30	53	55	58
West ⁵	72	71	74	69	69	72	44	42	44	64	66	70
\$1,000-9,999	68	67	70	65	66	68	36	32	31	61	64	65
\$10,000-99,999	72	69	74	69	66	74	46	41	54	63	63	72
\$100,000 and over	83	82	85	80	79	84	61	67	71	77	75	84
\$100,000-249,999	79	81	79	74	78	77	52	61	62	71	72	76
\$250,000 and over	85	82	90	83	80	89	68	71	79	81	78	89
Crop farms	69	69	74	67	67	72	43	44	49	63	66	70
Livestock farms	74	72	74	70	71	72	44	41	40	66	66	70
United States ⁶	64	64	65	60	61	63	35	36	37	57	59	62
\$1,000-9,999	60	60	61	57	57	59	25	25	27	52	56	58
\$10,000-99,999	64	62	63	59	59	62	36	38	41	55	57	60
\$100,000 and over	75	76	77	68	75	77	59	61	63	71	70	76
\$100,000-249,999	68	70	68	68	67	68	51	52	52	63	63	67
\$250,000 and over	81	81	84	79	79	83	66	69	72	76	76	82
Crop farms	64	65	67	61	62	65	37	40	41	56	60	64
Livestock farms	64	63	63	60	60	62	33	33	34	57	58	61

¹ Economic class refers to sales and government payments received during the previous year. ² Includes CT, ME, MA, NH, NJ, NY, PA, RI and VT. ³ Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD and WI. ⁴ Includes AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA and WV. ⁵ Includes AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA and WY. ⁶ Excludes AK and HI.

Agricultural Exports, 2010

By Julie A. Donahoe



Pennsylvania: U.S. agricultural exports from the Keystone State during the fiscal year (FY) October 2009-September 2010 were valued at \$1,403.6 million. This represents an increase of 12 percent from the \$1,258.3 million worth of commodities exported in FY 2009.

Pennsylvania exports ranked fifth in unmanufactured tobacco; seventh in dairy products; eighth in fruit and preparations; ninth in poultry and products; eleventh in fats and oils; and fourteenth in live animals and meat.

United States: The value of agricultural exports for the U.S. during FY 2010 totaled \$108.7 billion, up 13 percent from FY 2009.

California was the leading export state in FY 2010. The total value of their exports was \$12.8 billion. Other leading states and their value were: Iowa, \$7.0 billion; Texas, \$6.1 billion; Illinois, \$5.8 billion; Nebraska, \$5.3 billion; Minnesota, \$5.0 billion; and Kansas, \$4.9 billion.



Methodology: The Economic Research Service estimates State export shares based primarily on production share of the commodity.

The estimated export value for each State should not be interpreted as actual measurements of a State's exports. An agricultural commodity is likely to pass through several States before being exported, little data exists on shipments between States, and the State origin is lost as commodities move from farmgate to port.

U.S. and PA Agricultural Exports: Estimated Value By Commodity Group, Fiscal Years 2006-2010¹

Commodity	Shipped to other countries									
	Pennsylvania					United States				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
	(million dollars)									
Wheat and products	172.4	197.0	253.8	225.8	236.6	6,142.1	8,681.9	14,826.9	8,601.6	8,666.6
Soybeans and products	43.8	72.6	111.8	107.4	137.9	8,244.3	11,028.2	19,278.4	17,620.5	22,086.4
Tobacco unmd.	60.9	42.1	29.3	24.7	48.5	1,058.4	1,143.5	1,279.7	1,199.5	1,221.3
Fruits and preps. ²	48.5	57.2	64.8	68.9	74.3	4,580.9	5,022.9	5,886.0	5,719.1	6,115.6
Vegetables and preps.	14.0	13.1	17.6	16.2	16.0	3,908.6	4,298.5	5,154.7	5,279.0	5,556.0
Live animals and meat, excl. poultry	128.9	154.0	180.9	240.5	228.3	4,922.6	5,831.3	6,800.0	9,452.6	8,906.5
Hides and skins	48.3	57.1	58.7	39.0	55.3	1,978.2	2,160.5	2,130.9	1,506.6	2,116.8
Poultry and products	91.6	114.7	160.5	159.8	162.9	2,966.9	3,777.1	4,927.8	4,841.3	4,619.0
Fats, oils and grease	11.8	20.1	29.7	18.0	25.6	477.8	748.4	1,059.6	676.3	949.5
Dairy products ³	61.7	86.0	142.7	81.7	121.9	1,820.2	2,522.1	4,097.5	2,334.3	3,458.1
Feeds and fodders	65.8	55.5	74.8	74.1	93.1	2,493.2	2,897.9	4,007.4	3,943.6	4,836.5
Seeds	3.7	3.3	3.7	3.4	4.3	870.7	933.1	1,154.9	1,235.3	1,218.4
Other ⁴	85.5	87.7	83.5	82.9	90.7	10,885.2	11,989.4	14,696.2	11,765.4	14,896.0
Total	929.1	1,065.8	1,377.5	1,258.3	1,403.6	68,593.7	82,216.8	114,909.7	96,295.1	108,663.7

¹ Source: USDA, Economic Research Service (ERS). Data for 2011 will be available October 30, 2012. Totals may not add due to rounding. ² Apples, apple juice, and apple products, as well as other misc. fruits assumed to equal the previous year; current year production data is not released until July or later. ³ Methodology revised starting in 2007 to estimate shares based on state production of cheese, butter, dry whey, ice cream, and sherbet. ⁴ Other = Sugar and tropical products, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, wine, and misc. vegetable products.



Machinery Custom Rates, 2012

By Adam W. Pike

The custom rates shown are averages from voluntary reports by custom operators and farmers throughout Pennsylvania. Most of the rates are stated per acre, cwt., ton, bale, or bushel rather than per hour to reduce the variation due to machinery size. Individual rates vary

due to differences in working conditions, services performed, or even the operator's eagerness to do custom work. Therefore, the average rates shown should not be considered absolute indications of fair charges.

Custom Rates: Selected Farming Operations, Pennsylvania, 2011-2012

Job	Basis of Charge	2012 (Dollars)				2011
		Mountain Section	Valley Section	Range ¹	State	State (Dollars)
HARVESTING						
Corn Picking.....	Acre	29.20	25.30	15.00-35.00	26.70	26.30
Corn Combining	Acre	33.10	32.00	28.00-35.00	32.20	30.90
Corn Drying (23 Percent)	Bu.	0.46	0.48	0.14-0.75	0.47	0.46
Combining Small Grains	Acre	32.80	31.30	27.00-35.00	31.60	30.80
Combining Soybeans	Acre	34.00	31.90	29.50-35.00	32.30	31.30
Hay Making:						
Mowing.....	Acre	13.70	15.60	10.00-20.00	15.10	15.40
Mowing & Conditioning	Acre	17.20	15.60	12.00-20.00	16.10	15.90
Raking.....	Acre	9.75	8.75	5.00-12.00	9.00	9.00
Small Square Baling	Bale	0.85	0.79	0.40-1.25	0.81	0.81
Cut, Rake, Bale & Store.....	Bale	1.90	1.80	1.00-2.75	1.80	1.80
Large Round Baling	Bale	7.90	7.05	5.25-10.00	7.40	7.35
Size	Lbs.	879	811	550-1,200	839	869 lbs.
Large Square Baling	Bale	8.75	8.30	6.50-10.15	8.35	8.15
Size	Lbs.	738	799	600-1,000	791	833 lbs.
Wrapping Bales.....	Bale	6.60	6.85	4.50-10.00	6.80	6.85
Silage Making:						
Pull-Type Chopper & Tractor	Hour	76.80	94.70	50.00-135.00	88.80	79.60
Self-Propelled Chopper.....	Hour	265.00	243.00	140.00-350.00	247.00	229.00
Less than 365 HP.....	Hour	-	-	105.00-300.00	204.00	174.00
Greater than 365 HP	Hour	-	-	200.00-365.00	281.00	281.00
Blower	Hour	14.60	15.70	8.00-29.00	15.50	16.40
1 Man, 2 Wagons, 1 Tractor	Hour	56.30	69.90	35.00-100.00	68.00	70.30
2 Men, 2 Wagons, 2 Tractors.....	Hour	82.00	120.00	68.00-160.00	115.00	122.00
1 Man, 1 Truck	Hour	61.30	67.10	50.00-85.00	66.00	64.90
Field Chop, Haul & Fill Silo	Ton	10.70	8.20	4.50-15.00	8.95	9.60
Bagging Silage	Foot	6.85	4.60	3.50-7.50	5.05	5.25
Less than 9.0 ft.....	Foot	-	-	3.50-6.50	4.60	4.25
Greater than 9.0 ft	Foot	-	-	4.13-10.00	5.95	6.25
PLOWING AND CULTIVATING						
Plowing, Moldboard Plow:						
Stubble	Acre	19.20	19.90	15.00-28.00	19.60	20.40
Sod.....	Acre	22.70	22.20	14.00-32.00	22.40	22.10
Plowing, Deep (10 Inches or More).....	Acre	20.20	25.40	15.00-30.00	24.00	24.80
Plowing, Chisel.....	Acre	19.00	18.60	15.00-25.00	18.70	17.90
Plowing, Disk.....	Acre	19.70	18.90	12.00-25.00	19.20	18.50
Disking, Tandem	Acre	18.10	18.10	12.00-23.00	18.10	16.90
With Harrow or Cultipacker	Acre	18.80	18.60	13.00-25.00	18.60	18.30
Harrowing:	Acre	14.80	15.20	11.00-20.00	15.10	14.90
Cultivating	Acre	13.00	13.50	9.00-20.00	13.30	14.10

See footnote at end of table.

Custom Rates: Selected Farming Operations, Pennsylvania, 2011-2012

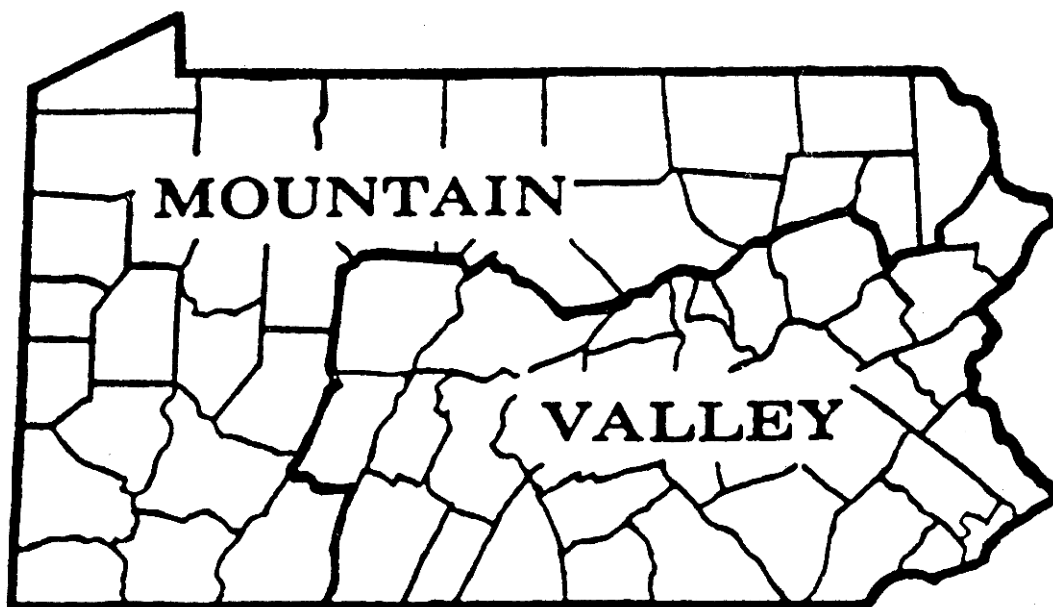
Job	Basis of Charge	2012 (Dollars)				2011
		Mountain Section	Valley Section	Range ¹	State	State (Dollars)
PLANTING AND DRILLING						
Planting Corn, With Fertilizer:						
Conventional-Till	Acre	20.30	19.10	14.00-25.00	19.50	18.80
Minimum-Till.....	Acre	21.00	20.40	17.00-25.00	20.50	19.60
No-Till	Acre	22.70	20.50	16.00-25.00	21.00	20.40
Planting Corn, Without Fertilizer:						
Conventional-Till	Acre	20.00	18.60	14.00-25.00	19.00	17.80
Minimum-Till.....	Acre	20.50	19.20	15.00-25.00	19.50	18.60
No-Till	Acre	22.30	19.50	15.00-25.00	19.90	19.30
Planting Soybeans, Without Fertilizer:						
Conventional-Till	Acre	19.30	19.00	15.00-23.00	19.20	18.10
Minimum-Till.....	Acre	21.10	19.10	15.00-24.00	19.40	18.60
No-Till	Acre	21.70	19.50	15.00-25.00	19.80	19.00
Drilling	Acre	20.00	19.60	15.00-24.00	19.60	18.60
Drilling Small Grain, Without Fertilizer						
Conventional-Till.....	Acre	17.80	17.00	10.00-23.00	17.20	16.70
Minimum-Till	Acre	18.60	18.10	15.00-23.00	18.40	17.70
No-Till	Acre	20.40	18.20	12.00-23.00	18.50	17.90
Seeding Alfalfa, Clover, Etc.....	Acre	19.70	18.30	12.00-25.00	18.60	17.40
Broadcast Seeding (On Grain Fields)	Acre	12.90	11.40	6.00-18.00	11.90	11.80
Cleaning Grain Seed:						
With Treatment	Bu.	1.25	1.30	0.50-2.00	1.30	1.15
Without Treatment	Bu.	0.86	0.93	0.50-1.20	0.92	0.84
SPRAYING						
Ground Equipment:						
Spraying for Weed Control Excl. Material ..	Acre	12.30	10.20	7.50-15.00	10.70	10.70
Spraying for Corn Borer	Acre	11.40	10.80	8.00-15.00	10.90	11.40
Spraying for Spittle Bug or Alfalfa Weevil ..	Acre	12.10	9.80	7.50-13.00	10.30	10.40
MISCELLANEOUS						
Grain Hauling:						
Local	Bu.	0.24	0.20	0.14-0.30	0.21	0.20
Long Distance.....	Bu.	0.50	0.33	0.20-0.55	0.36	0.33
Local	Mile	2.45	2.50	1.00-3.50	2.50	2.30
Long Distance	Mile	2.25	2.75	1.50-4.00	2.65	2.30
Grain Storage	Bu./Month	0.05	0.05	0.03-0.07	0.05	0.05
Stalk Shredding, P.T.O.....	Acre	17.70	15.10	10.00-24.00	15.60	14.70
Bushhogging.....	Acre	28.90	22.70	12.00-40.00	25.20	26.40
Spreading Bulk Fertilizer:						
Dry	Acre	10.40	9.70	6.00-15.00	10.00	10.40
Liquid	Acre	12.40	10.10	7.50-14.00	10.70	10.40
Side Dressing	Acre	12.20	10.20	8.25-14.50	10.70	10.90
Lime	Acre	14.30	13.10	6.00-22.00	13.60	12.20
Grinding Feed:						
Corn, Oats or Barley.....	Cwt.	0.92	1.10	0.50-1.75	1.00	0.93
Corn & Cobs	Cwt.	0.79	1.05	0.60-1.40	0.98	0.87
Cobs	Cwt.	0.75	0.83	0.50-1.00	0.81	0.82
Additional Charge for Mixing	Cwt.	0.43	0.62	0.25-0.78	0.56	0.58
Machine Tilting (No Tile).....	Foot	0.74	1.20	0.35-2.00	0.95	1.05
Back Hoe	Hour	56.60	64.40	35.00-85.00	61.20	59.90
Sawing Wood, Chain Saw	Hour	25.00	28.70	15.00-50.00	27.40	24.10
Post Hole Digging	Hole	4.40	4.10	1.50-5.75	4.30	3.95
Manure Loading, Solid.....	Hour	41.90	47.80	20.00-70.00	46.10	46.60
Manure Spreading, Solid.....	Hour	43.90	60.70	30.00-88.00	56.70	52.90
Manure Pumping	Hour	41.10	29.10	10.00-65.00	31.10	31.80
Manure Spreading, Liquid	Hour	72.80	86.00	65.00-100.00	84.60	83.40
Bulldozing	Hour	75.00	84.10	50.00-100.00	79.90	79.80
Average Size	HP	92.30	110.00	60.00-150.00	102.00	94.90 HP
Tractor Rental Rates:						
Less than 80 HP	Hour	40.20	31.50	15.00-55.00	33.70	31.40
80 to 120 HP.....	Hour	47.20	34.10	16.00-60.00	36.10	33.80
120 to 160 HP.....	Hour	56.30	41.30	20.00-70.00	42.80	41.70
Greater than 160 HP.....	Hour	67.80	53.40	35.00-90.00	55.50	49.50

¹ The range represents the middle 80 percent of all reported rates for each job, thus the lowest 10 percent and the highest 10 percent of all reported values were excluded.

Acreage rates on the previous pages are shown separately for two regions of the state, labeled "**Mountain**" and "**Valley**".

The differences in rates between regions reflect differences in terrain, soils and alternative opportunities for the labor and equipment used. Figures labeled "**State**" represent the straight average of all reports used regardless of geographic location.

Of the 84 rates reported with year-to-year comparisons, 55 increased, 23 decreased, and 6 are virtually unchanged from last year. Overall, custom rates were up 2.71 percent compared to the previous year. Because of the potential variation in size and overall productivity of equipment, a range of reported rates for each job has been added. The range represents the middle 80 percent of all reported rates for each job, thus the lowest 10 percent and the highest 10 percent of all reported values were excluded.



Food Consumption & Population

By Julie A. Donahoe

Pennsylvania:

44,817 sq. mi.
28.68 million acres

1 sq. mi. = 640 acres

Pennsylvania: Total Population, July 1, 1900-2011 ¹

Year	Total population (1,000)	Year	Total population (1,000)	Year	Total population (1,000)
1900	6,313	1950	10,507	2000	12,284
1910	7,706	1960	11,329	-----	-----
1920	8,740	1970	11,801	2009	12,602
1930	9,649	1980	11,864	2010	12,702
1940	9,896	1990	11,882	2011	12,743

¹ U.S. Department of Commerce, Bureau of Census, Current Population Reports.

United States: Per Capita Consumption of Major Food Commodities, 2003-2010 ¹

Commodity	2003	2004	2005	2006	2007	2008	2009	2010
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Red meat ^{2,3,4}	111.7	112.2	110.2	109.9	110.5	106.4	105.7	102.1
Beef	61.9	63.0	62.5	62.8	62.1	59.4	58.1	56.7
Veal	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Lamb and mutton	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7
Pork	48.5	47.9	46.6	46.0	47.2	45.9	46.6	44.3
Poultry ^{2,3,4}	71.3	72.8	73.7	74.2	73.7	72.6	69.4	70.9
Chicken	57.5	59.3	60.5	60.9	59.9	58.7	56.1	58.0
Turkey	13.7	13.5	13.2	13.3	13.8	13.9	13.3	12.9
Fish and shellfish ³	16.3	16.5	16.2	16.5	16.3	15.9	15.8	15.8
Eggs ⁴	32.8	33.1	33.0	33.3	32.2	31.8	31.8	31.7
Dairy products								
Cheese (excluding cottage) ^{2,5}	30.6	31.3	32.5	32.7	33.6	33.1	33.3	33.2
American	12.5	12.9	13.5	13.1	13.3	13.6	13.9	13.3
Italian	12.7	13.0	13.4	13.8	14.4	14.0	14.0	14.6
Other cheeses ⁶	5.4	5.4	5.7	5.8	6.0	5.6	5.5	5.1
Cottage cheese	2.6	2.7	2.6	2.6	2.6	2.3	2.4	2.3
Beverage milks ²	187.8	185.0	182.8	183.5	181.6	179.7	180.3	178.1
Fluid whole milk ⁷	65.6	62.8	59.7	57.9	54.8	52.6	51.1	48.1
Fluid lower fat milk ⁸	93.8	94.1	94.5	95.1	95.9	99.2	100.1	98.9
Fluid skim milk	26.8	26.6	27.0	27.2	27.2	27.1	26.8	26.8
Fluid cream products ⁹	11.9	12.6	12.8	12.9	13.1	12.7	12.6	12.0
Yogurt (excluding frozen)	8.2	9.2	10.3	11.1	11.5	11.7	12.5	13.5
Ice cream	15.4	14.1	14.6	14.8	14.2	13.7	13.4	13.3
Lowfat ice cream ¹⁰	6.5	6.3	5.8	5.9	5.9	5.9	6.1	5.8
Frozen yogurt	1.5	1.3	1.3	1.3	1.5	1.5	0.9	1.0
All dairy products, milk equivalent, milkfat basis ¹¹	594.2	591.1	597.8	604.9	602.4	603.1	604.6	610.7
Fats and oils -- total fat content	86.8	86.4	85.5	84.5	84.8	85.0	77.7	82.1
Butter and margarine (product weight)	9.7	9.7	8.6	9.3	9.3	9.1	8.6	8.4
Shortening	32.5	32.5	29.0	24.8	20.9	18.0	15.9	15.3
Lard and edible tallow (direct use)	5.1	4.7	5.3	5.5	4.6	4.0	2.1	4.8
Salad and cooking oils	40.2	40.0	42.7	44.6	50.2	54.0	51.0	53.6
Fruits and vegetables ¹²	701.7	702.2	684.3	672.5	667.6	649.0	644.2	651.4
Fruit	279.5	278.0	269.7	268.6	261.3	256.6	253.4	258.3
Fresh fruits	128.0	127.5	125.0	127.7	123.3	126.5	124.1	127.9
Canned fruit	17.3	16.9	16.6	15.5	16.0	15.6	15.5	14.8
Dried fruit	9.9	9.3	10.0	10.5	9.8	9.8	9.2	9.4
Frozen fruit	5.1	4.3	5.2	5.0	5.3	4.9	4.9	5.0
Selected fruit juices	119.0	119.6	112.3	109.2	106.3	99.0	99.1	100.5
Vegetables	421.4	423.3	413.8	403.2	405.8	392.2	391.2	393.1
Fresh	200.0	203.6	195.6	193.2	193.4	187.8	184.7	187.1
Canning	100.9	102.5	104.9	94.5	96.8	94.7	100.6	99.1
Freezing	78.7	78.9	76.4	75.1	75.8	73.4	71.7	70.2
Dehydrated and chips	34.5	31.7	30.0	32.8	32.6	29.6	27.4	27.8
Legumes	7.4	6.6	6.9	7.7	7.1	6.8	6.8	8.9
Peanuts (shelled)	6.3	6.6	6.6	6.5	6.2	6.3	6.5	6.9
Tree nuts (shelled)	3.5	3.5	2.6	3.3	3.6	3.5	3.7	4.0
Flour and cereal products ¹³	194.1	192.4	192.4	194.6	197.4	196.5	194.6	194.8
Wheat Flour	136.7	134.5	134.3	135.7	138.1	136.5	134.6	134.7
Rice (milled basis)	21.3	21.2	21.0	21.1	21.1	21.1	21.2	21.2
Caloric sweeteners ¹⁴	141.4	141.6	142.1	138.8	135.3	135.6	130.5	131.6
Coffee (green bean equiv.)	9.5	9.6	9.5	9.5	9.6	9.5	9.1	9.0
Cocoa (chocolate liquor equiv.)	4.2	4.8	5.2	5.1	4.8	4.5	4.4	4.4

-- = Not available. ¹ In pounds, retail weight unless otherwise stated. Consumption normally represents total supply minus exports, nonfood use, and ending stocks. Calendar-year data, except fresh citrus fruits, peanuts, tree nuts, and rice, which are on crop-year basis. ² Farm weight. Totals may not add due to rounding. ³ Boneless, trimmed weight. ⁴ Excludes shipments to the U.S. territories. ⁵ Whole and part-skim milk cheese. Natural equivalent of cheese and cheese products. ⁶ Includes Swiss, Brick, Muenster, cream, Neufchatel, Blue, Gorgonzola, Edam, and Gouda. ⁷ Plain and flavored. ⁸ Plain and flavored, and buttermilk. ⁹ Heavy cream, light cream, half and half, eggnog, sour cream, and dip. ¹⁰ Formerly known as ice milk. ¹¹ Includes condensed and evaporated milk and dry milk products. ¹² Farm weight. ¹³ Includes rye, corn, oats, and barley products. Excludes quantities used in alcoholic beverages, corn sweeteners, and fuel. ¹⁴ Dry weight equivalent. Source: Economic Research Service (ERS), USDA.

Agricultural Chemical Usage Postharvest Applications

Beginning in May 2010, NASS agricultural chemical use data are published to the Quick Stats 2.0 database only (full text publications have been discontinued).

The latest data releases are available at:

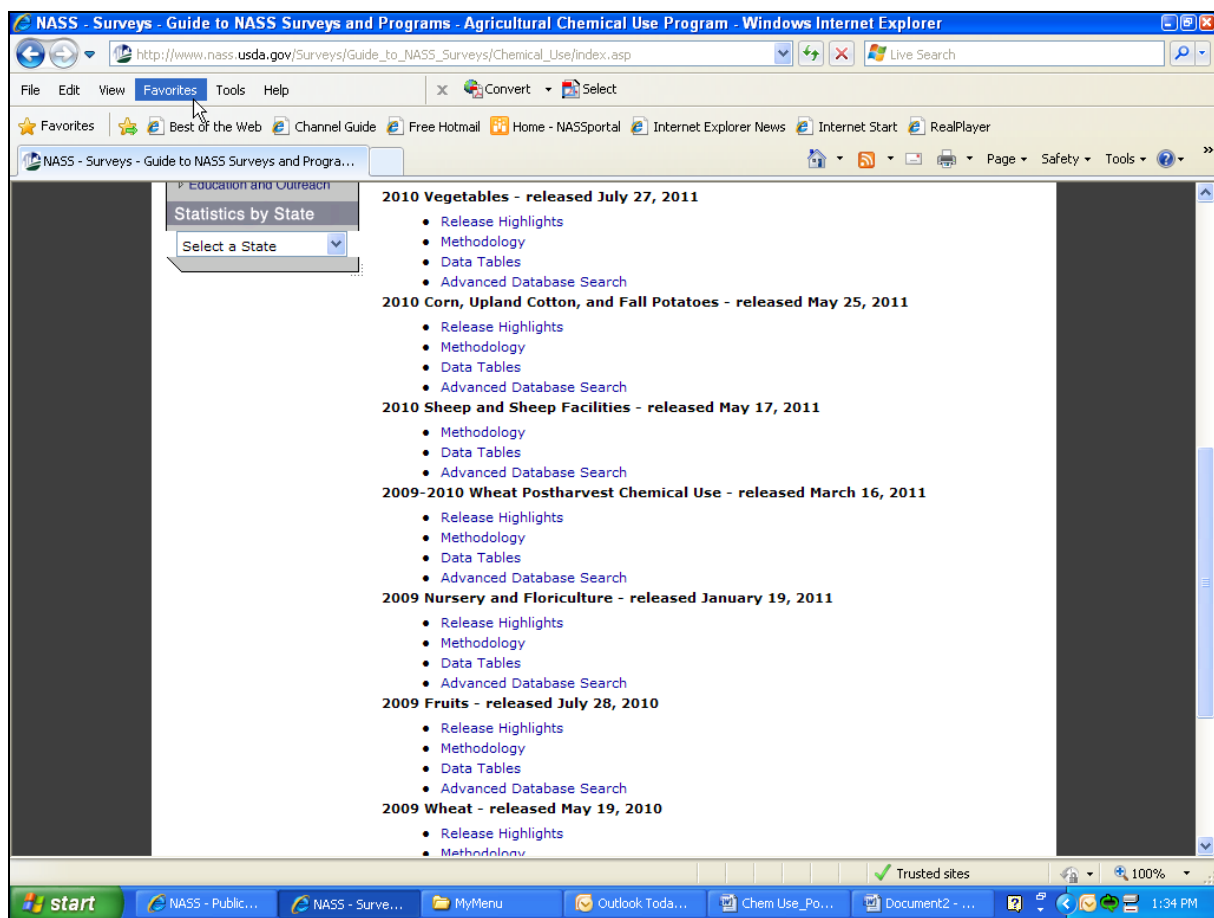
http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Chemical_Use/index.asp

The screenshot shows a Windows Internet Explorer browser window displaying the NASS website. The address bar shows the URL: http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Chemical_Use/index.asp. The page header includes the USDA logo and the text "United States Department of Agriculture National Agricultural Statistics Service". The main navigation bar contains links: Home, About NASS, Newsroom, Publications, Data and Statistics, Census, Surveys, Help, and Contact Us. The left sidebar features a "Search NASS" section with a Google Custom Search box and a "Browse NASS by Subject" section with links to various topics. The main content area is titled "Surveys" and "Agricultural Chemical Use Program". It contains a description of the program and a "Latest Releases" section with the following information:

- 2011 Fruits - released August 1, 2012**
 - Release Highlights
 - Methodology
 - Data Tables
 - Advanced Database Search
- 2011 Barley and Sorghum - released May 16, 2012**
 - Release Highlights
 - Methodology
 - Data Tables
 - Advanced Database Search
- 2010 Vegetables - released July 27, 2011**
 - Release Highlights
 - Methodology

The bottom of the browser window shows the Windows taskbar with the Start button and several open applications: NASS - Publication..., NASS - Surveys - ..., MyMenu, Outlook Today - Mi..., and Chem Use_Postha... The system clock shows 1:33 PM.

Website continued - - -



Related Reports and Data

http://www.nass.usda.gov/Statistics_by_Subject/Environmental/index.asp

Agricultural Chemical Usage, 2011

Barley

By Adam W. Pike

The following chemical use data is the most recent data available.

This release is a brief summary of data for on-farm use of commercial fertilizers, agricultural chemicals, and pest management practices from producers of barley for the 2011 crop year taken from the estimates published by the National Agricultural Statistics Service in Washington, D.C. These estimates for Pennsylvania and other states are available on the Internet at www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Chemical_Use/.

Information in this report is collected from the 2011 Production Practices and Costs Report of the second phase of the Agricultural Resource Management Survey (ARMS). The primary objective of the survey is to provide data to develop an agricultural chemical use database that is timely, detailed, and reliable. Data collection occurred between October and December of 2011. The agricultural chemical use estimates in this report focus on the acreage treated and application rates for herbicides, insecticides, fungicides, and other

pesticides. The survey also collected information about production practices.

The active ingredients most commonly used as fungicides were Azoxystrobin, Propiconazole, Pyraclostrobin, and Tebuconazole. The active ingredients most commonly used on barley as herbicides in Pennsylvania were Thifensulfuron, Tribenuron-Methyl, and Glyphosate Isopropylamine Salt. The active ingredients most commonly used as insecticides were Beta-Cyfluthrin and Lambda-Cyhalothrin.

Fertilizers consisting of nitrogen content were more commonly used for barley at 64 percent of the total barley planted acreage. 1,900,000 pounds of nitrogen were applied total all field corn planted acres, with an average of 1.2 applications per year at a rate of 36 pounds per acre for each application.



Pennsylvania and Program States ¹: Barley – Fertilizer Primary Nutrient Applications, 2011

Primary nutrient	Area applied		Applications		Rate per application		Rate per crop year		Total applied	
	PA	US	PA	US	PA	US	PA	US	PA	US
	(percent)		(number)		(pounds per acre)		(pounds per acre)		(1,000 lbs.)	
Fertilizer/Nutrient										
Nitrogen	64	86	1.2	1.6	36	45	44	72	1,900,000	145,600,000
Phosphate	32	68	1	1	37	29	38	30	800,000	48,000,000
Potash	32	28	1	1	39	23	40	24	800,000	15,800,000
Sulfur	10	30	1	1.2	10	18	10	21	100,000	14,500,000

¹ The Program States consist of: Arizona, California, Colorado, Idaho, Minnesota, Montana, North Dakota, Oregon, **Pennsylvania**, Virginia, Washington, Wisconsin, and Wyoming.

Pennsylvania and Program States ^{1 2 3}: Barley – Agricultural Chemical Applications, 2011

Active ingredient	Area applied		Applications		Rate per application		Rate per crop year		Total applied	
	PA	US	PA	US	PA	US	PA	US	PA	US
	(percent)		(number)		(pounds per acre)		(pounds per acre)		(1,000 lbs.)	
Fungicides										
Azoxystrobin	(D)	2	(D)	1	(D)	0.058	(D)	0.059	(D)	3,000
Propiconazole	(D)	16	(D)	1	(D)	0.086	(D)	0.087	(D)	32,000
Prothioconazole	(D)	1	(D)	1.1	(D)	0.099	(D)	0.105	(D)	3,000
Pyraclostrobin	(D)	8	(D)	1	(D)	0.069	(D)	0.071	(D)	13,000
Tebuconazole	(D)	2	(D)	1	(D)	0.114	(D)	0.114	(D)	6,000
Herbicides										
2, 4-D	---	1	---	1.4	---	0.126	---	0.179	---	4,000
2, 4-D, 2-EHE	(D)	11	(D)	1.3	(D)	0.358	(D)	0.46	(D)	117,000
2, 4-D, Dimethy. Salt	(D)	6	(D)	1.4	(D)	0.437	(D)	0.595	(D)	88,000
2, 4-D, Isoprop. Amine Salt	---	1	---	2	---	0.045	---	0.091	---	3,000
2, 4-DB, Dimeth. Salt	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Bromoxynil Heptan.	(D)	13	(D)	1	(D)	0.163	(D)	0.164	(D)	51,000
Bromoxynil Octanoate	(D)	32	(D)	1	(D)	0.22	(D)	0.221	(D)	163,000
Carfentrazone-Ethyl	---	(Z)	---	1	---	0.025	---	0.025	---	(Z)
Chlorsulfuron	---	(Z)	---	1	---	0.011	---	0.011	---	(Z)
Clopyralid	---	15	---	1	---	0.087	---	0.087	---	31,000
Clopyralid Mono Salt	---	1	---	1	---	0.08	---	0.08	---	2,000
Dicamba, Digly. Salt	---	(Z)	---	1	---	0.112	---	0.112	---	1,000
Dicamba, Dimet. Salt	---	4	---	1.7	---	0.087	---	0.148	---	12,000
Dicamba, Sodium Salt	---	1	---	1.1	---	0.062	---	0.067	---	1,000
Fenoxaprop-P-Ethyl	---	3	---	1	---	0.072	---	0.072	---	4,000
Fluroxypyr 1-MHE	---	25	---	1	---	0.092	---	0.092	---	55,000
Glyphosate	---	1	---	1.1	---	0.476	---	0.539	---	9,000
Glyphosate Iso. Salt	9	35	1.1	1.9	0.802	0.608	0.802	1.161	5,000	943,000
Glyphosate Pot. Salt	---	1	---	1	---	0.754	---	0.754	---	24,000
Kantor	---	2	---	1	---	0.004	---	0.004	---	(Z)
MCPA, 2-Ethylhexyl	---	32	---	1	---	0.337	---	0.337	---	251,000
MCPA, Dimethyl. Salt	---	2	---	1	---	0.444	---	0.444	---	17,000
MCPA, Isooctyl Ester	---	3	---	1	---	0.216	---	0.216	---	16,000
Methanone	---	9	---	1	---	0.03	---	0.03	---	7,000
Metsulfuron-Methyl	---	3	---	1	---	0.003	---	0.003	---	(Z)
Pinoxaden	(D)	42	(D)	1	(D)	0.05	(D)	0.05	(D)	49,000
Prosulfuron	---	(Z)	---	1	---	0.016	---	0.016	---	(Z)
Thifensulfuron	27	20	1	1	0.018	0.013	0.018	0.013	(Z)	6,000
Tralkoxydim	---	1	---	1	---	0.118	---	0.118	---	2,000
Triallate	---	1	---	1	---	1.15	---	1.15	---	35,000
Tribenuron-Methyl	24	20	1	1	0.008	0.006	0.008	0.006	(Z)	3,000
Insecticides										
Beta-Cyfluthrin	(D)	(Z)	(D)	1.1	(D)	0.015	(D)	0.016	(D)	(Z)
Chlorpyrifos	---	1	---	1	---	0.262	---	0.262	---	3,000
Lambda-Cyhalothrin	(D)	4	(D)	1	(D)	0.024	(D)	0.024	(D)	2,000
Thiamethoxam	---	(Z)	---	1	---	0.041	---	0.041	---	(Z)
Other										
Ethephon	---	3	---	1	---	0.374	---	0.374	---	30,000

¹ The Program States consist of: Arizona, California, Colorado, Idaho, Minnesota, Montana, North Dakota, Oregon, **Pennsylvania**, Virginia, Washington, Wisconsin, and Wyoming. ² (Z) is displayed for estimates less than half of the unit shown. ³ (D) is displayed for estimates withheld to avoid disclosing data for individual farms.

Pest Management Practices – Percent of Farms & Percent of Acres Utilizing Practice, Barley, 2011

Practice	Barley			
	Percent of acres utilizing practice		Percent of farms utilizing practice	
	PA	Program states 2011 ¹	PA	Program states 2011 ¹
Avoidance Practices:				
Crop/plant variety chosen for specific pest resistance	34	26	19	20
Planting locations planned to avoid cross infestation of pests	9	13	18	11
Planting/harvesting dates adjusted	14	18	10	11
Rotated crops during past 3 years	86	70	82	68
Row spacing, plant density, or row directions adjusted	11	16	7	9
Monitoring Practices:				
Diagnostic laboratory services used for pest detection via soil/plant tissue analysis	2	8	3	5
Field mapping data used to assist decisions	8	9	6	7
Scouted, established process use	7	14	8	12
Scouted for pests due to a pest advisory warning	3	5	1	4
Scouted for pests due to a pest development model	10	5	7	4
Scouted for pests or beneficial organisms	69	92	69	83
<i>By conducting general observations while performing routine tasks</i>	16	25	23	26
<i>By deliberately going to the crop acres or growing areas</i>	53	67	46	56
Scouted for disease	37	76	36	58
<i>By employee</i>	1	6	2	3
<i>By farm supply company or chemical dealer</i>	20	14	18	15
<i>By independent crop consultant or commercial scout</i>	24	11	19	12
<i>By operator, partner, or family member</i>	54	69	61	70
Scouted for insects & mites	36	71	33	55
<i>By employee</i>	1	6	2	3
<i>By farm supply company or chemical dealer</i>	21	13	20	14
<i>By independent crop consultant or commercial scout</i>	26	12	24	13
<i>By operator, partner, or family member</i>	52	70	54	69
Scouted for weeds	69	92	69	82
<i>By employee</i>	1	5	1	2
<i>By farm supply company or chemical dealer</i>	11	12	10	13
<i>By independent crop consultant or commercial scout</i>	23	9	21	10
<i>By operator, partner, or family member</i>	66	74	67	75
Weather data used to assist decisions	18	57	26	37
Written/electronic records kept to track the activity of pests	19	18	16	15
Prevention Practices:				
Beneficial insect/vertebrate habitat maintained	3	8	4	6
Crop Residues removed/burned down	12	12	16	11
Equipment & implements cleaned after field work to reduce spread of pests	21	45	26	33
Field edges, ditches, or fence lines were chopped, sprayed, mowed, plowed, or burned	48	35	46	34
Field left fallow previous year to manage insects	0	3	0	2
Flamer used to kill weeds	0	2	0	2
No-till/minimum till used	84	60	74	55
Plowed down crop residue using conventional tillage	10	34	19	35
Seed treated for insect/disease control after purchase	32	43	32	31
Water management practices used	(Z)	4	1	4
Suppression Practices:				
Beneficial organisms applied/released	(Z)	1	1	(Z)
Biological pesticides applied	0	(Z)	0	(Z)
Buffer strips/border rows maintained to isolate organic from non organic crops	1	2	2	2
Floral lures/attractants/repellants/pheromone traps/biological pest controls used	0	(Z)	0	(Z)
Ground covers/mulches/other physical barriers maintained	53	45	43	40
Pesticides with different mechanisms of action used to keep pest from becoming resistant to pesticides	3	32	4	17
Scouting data compared to published information to assist decisions	17	14	16	11
Trap crop grown to manage insects	0	(Z)	0	(Z)

¹ The Program States consist of: Arizona, California, Colorado, Idaho, Minnesota, Montana, North Dakota, Oregon, **Pennsylvania**, Virginia, Washington, Wisconsin, and Wyoming.
(Z) is displayed for estimates less than half of the unit shown.

Agricultural Chemical Usage, 2011

Fruit – Apples, Peaches

By Adam W. Pike

The following chemical use data is the most recent data available.

This release is a brief summary of data for on-farm use of commercial fertilizers, agricultural chemicals, and pest management practices from producers of apples and peaches for the 2011 crop year taken from the estimates published by the National Agricultural Statistics Service in Washington, D.C. These estimates for Pennsylvania and other states are available on the Internet at www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Chemical_Use/index.

Information in this report is collected from the Fruit Chemical Usage Survey (FCUS). The primary objective of the survey is to provide data to develop an agricultural chemical use database that is timely, detailed, and reliable. Data collection occurred between October and December of 2011. The agricultural chemical use estimates in this report focus on the acreage treated and application rates for herbicides, insecticides, fungicides, and other pesticides. The survey also collected information about production practices.

Fungicides were applied to 71 percent of the state's bearing apple acreage. A total application of 261,200 pounds was made. Captan was the most commonly used active ingredient with 108,500 pounds of the chemical applied to 63 percent of all bearing acres. An average of 6.2 applications was made at a rate of 1.307 pounds per acre. Seventy-one percent of the total bearing acres of peaches was treated by fungicides. A total of 68,300 pounds was applied. Sulfur was the active ingredient used in the largest volume with a total of 30,100 pounds applied, while captan was the fungicide most commonly used, applied to 53 percent of the total bearing acreage.

Herbicides were applied to 35 percent of the total bearing acres of apples in Pennsylvania. A total of 22,000 pounds were applied to that acreage. Pendimethalin was the active

ingredient used in the largest volume with a total of 6,600 pounds applied, while Paraquat was the herbicide most commonly used, applied to 18 percent of the total bearing acreage. Twenty-eight percent of the total bearing acres of peaches was treated by herbicides. A total of 4,100 pounds was applied. Again, Pendimethalin was the active ingredient used in the largest volume with a total of 1,300 pounds applied, while Paraquat was the herbicide most commonly used, applied to 19 percent of the total bearing acreage.

Insecticides were applied to 72 percent of Pennsylvania's bearing apple acreage. A total of 56,700 pounds was applied. Phosmet was the active ingredient used in the largest volume with a total of 13,300 pounds was applied, while Spinetoram and Spinetoram-L were the insecticides most commonly used, applied to 49 percent of the bearing acreage. Sixty-nine percent of total bearing acres of peaches were treated by insecticides. A total of 10,500 pounds was applied. Phosmet was the active ingredient used in the largest volume with a total of 4,200 pounds was applied, while Lambda-Cyhalothrin was the insecticides most commonly used, applied to 46 percent of the bearing acreage.

Other chemicals were applied to 60 percent of bearing apple acreage in the state. A total of 133,700 pounds was applied. Mineral oil was the most commonly used active ingredient with 131,500 pounds of the chemical applied to 37 percent of all bearing acres. An average of 1.7 applications was made at a rate of 9.961 pounds per acre. Twenty percent of the total bearing acres of peaches was treated by other chemicals. A total of 8,200 pound was applied. Again, mineral oil was the most commonly used active ingredient with 8,100 pounds of the chemical applied to 13 percent of all bearing acres. An average of 1.3 applications was made at a rate of 10.696 pounds per acre.



Pennsylvania and Program States ^{1 2}: Apples – Agricultural Chemical Applications, 2011

Active Ingredient	Area Applied		Applications		Rate per Application		Rate per Crop Year		Total Applied	
	PA	US	PA	US	PA	US	PA	US	PA	US
	(percent)		(number)		(pounds per acre)		(pounds per acre)		(1,000 lbs.)	
Fungicides ³										
Basic Copper Sulfate	7	9	1.2	1.3	2.771	2.799	3.212	3.536	5,000	86,500
Boscalid	7	21	2.3	1.2	0.164	0.226	0.384	0.283	600	15,900
Captan	63	32	6.2	7.2	1.307	1.886	8.142	13.506	108,500	1,173,400
Chlorothalonil	1	1	1.7	1.6	1.388	2.49	2.383	3.911	400	8,100
Copper Hydroxide	2	8	1.2	1.2	2.081	2.73	2.521	3.299	1,300	69,000
Copper Sulfate	1	1	1.1	1.4	3.528	3.88	3.97	5.435	900	8,700
Cyprodinil	17	17	2.5	1.8	0.126	0.176	0.311	0.325	1,100	15,100
Difenoconazole	37	24	2.9	2.3	0.092	0.115	0.27	0.268	2,100	17,400
Fenarimol	2	8	2.6	1.3	0.053	0.072	0.138	0.092	(Z)	2,100
Fenbuconazole	10	10	1.8	2	0.11	0.097	0.201	0.194	400	5,400
Kresoxim-Methyl	25	15	3.3	1.8	0.087	0.121	0.289	0.218	1,500	9,100
Mancozeb	49	40	5.4	4.1	1.61	2.443	8.644	10.117	88,300	1,097,300
Metiram	10	5	5.2	3.7	1.577	2.487	8.19	9.2	17,300	125,800
Mono-Potassium Salt	10	4	4.1	2.4	0.605	1.41	2.509	3.365	5,300	38,500
Myclobutanil	21	35	2.6	1.8	0.091	0.111	0.237	0.198	1,000	18,700
Pyraclostrobin	7	21	2.3	1.3	0.083	0.115	0.195	0.144	300	8,100
Pyrimethanil	19	5	1.8	1.4	0.151	0.24	0.269	0.342	1,100	4,900
Streptomycin Sulfate	17	21	2	1.9	0.199	0.253	0.408	0.481	1,400	27,100
Sulfur	3	39	1.4	2	3.36	5.203	4.657	10.471	3,400	1,094,500
Thiophanate-Methyl	47	19	3.9	3	0.305	0.396	1.192	1.173	11,800	62,000
Trifloxystrobin	26	27	2.9	1.5	0.044	0.064	0.128	0.094	700	7,000
Ziram	6	13	3.3	2.1	2.008	3.229	6.666	6.905	7,900	237,300
Herbicides ⁴										
2, 4-D	5	1	1.1	1.1	0.396	0.517	0.43	0.545	400	1,000
2, 4-D, Dimeth. Salt	13	10	1.3	1.1	0.784	0.805	1.044	0.909	2,900	25,100
Carfentrazone-Ethyl	(Z)	4	1	1.1	0.027	0.023	0.027	0.026	(Z)	300
Diuron	7	4	1	1.1	1.755	1.593	1.774	1.7	2,400	17,100
Flumioxazin	1	2	1	1	0.31	0.207	0.311	0.21	(Z)	900
Glyphosate Iso. Salt	10	25	1.1	1.4	1.147	1.152	1.275	1.604	2,700	110,600
Glyphosate Pot. Salt	1	5	1.1	1.2	1.644	0.865	1.854	1.021	200	12,700
Norflurazon	3	3	1	1	1.544	1.543	1.603	1.562	1,000	14,600
Oryzalin	3	2	1	1.3	2.856	2.004	2.975	2.585	1,600	13,200
Paraquat	18	15	1.3	1.2	0.592	0.861	0.748	1.016	2,800	41,100
Pendimethalin	13	8	1	1.2	2.257	2.363	2.348	2.891	6,600	60,200
Rimsulfuron	1	4	1	1.3	0.063	0.053	0.063	0.067	(Z)	700
Simazine	1	3	1	1.1	1.869	1.676	1.877	1.837	500	14,100
Terbacil	2	2	1	1	0.484	0.976	0.484	0.997	200	5,200
Insecticides ⁵										
Abamectin	16	15	1.9	1.2	0.01	0.013	0.019	0.016	100	600
Acetamiprid	33	26	2.1	1.7	0.076	0.108	0.163	0.187	1,100	13,000
Azinphos-Methyl	29	24	2.2	1.6	0.382	0.776	0.824	1.213	5,100	79,800
Beta-Cyfluthrin	3	4	1.9	1.1	0.011	0.019	0.021	0.022	(Z)	200
Carbaryl	33	46	1.3	1.3	0.853	1.163	1.132	1.566	7,800	196,300
Chlorantraniliprole	48	45	2.3	1.5	0.047	0.074	0.108	0.111	1,100	13,700
Chlorpyrifos	42	44	1.5	1.2	0.962	1.514	1.428	1.759	12,500	211,100
Cyfluthrin	16	5	1.8	1.4	0.017	0.03	0.03	0.042	100	600
Diazinon	8	6	1.8	1.2	0.542	1.318	0.979	1.553	1,500	24,800
Dinotefuran	5	(Z)	1	1	0.141	0.141	0.145	0.145	200	200
Endosulfan	2	2	1.1	1.3	0.607	1.73	0.673	2.221	300	12,400
Esfenvalerate	5	7	2	1.5	0.024	0.041	0.047	0.063	100	1,200
Fenpropathrin	10	3	1.9	1.7	0.173	0.262	0.324	0.438	700	4,200
Fenpyroximate	4	7	1.6	1.1	0.061	0.085	0.1	0.092	100	1,700
Flubendiamide	6	7	2.7	1.5	0.139	0.129	0.382	0.187	400	3,300
Imidacloprid	30	39	2.3	1.5	0.036	0.072	0.081	0.109	500	11,600
Indoxacarb	7	3	2.6	1.4	0.068	0.086	0.175	0.121	300	900
Lambda-Cyhalothrin	33	15	2.4	2.2	0.022	0.031	0.053	0.067	400	2,700
Methomyl	19	2	3	2.6	0.421	0.514	1.25	1.334	5,100	7,900
Methoxyfenozide	3	15	1.9	1.2	0.17	0.232	0.319	0.271	200	11,000
Permethrin	2	1	1.4	1.1	0.142	0.147	0.201	0.164	100	500
Phosmet	13	14	3.9	2.4	1.271	1.652	5.002	3.902	13,300	150,300
Spinetoram	49	29	2.3	1.5	.028	0.042	.064	0.061	700	4,700
Spinetoram -L	49	29	2.3	1.5	.028	0.042	.064	0.061	700	4,700
Thiacloprid	19	21	2.5	1.4	0.125	0.179	0.309	0.25	1,200	14,600
Thiamethoxam	26	13	1.8	1.5	0.033	0.056	0.06	0.084	300	3,000
Other ⁶										
Benzyladenine	14	22	1.2	1.2	0.043	0.039	0.05	0.047	100	2,900
Butenoic Acid Hydro.	3	12	1.1	1.2	0.09	0.082	0.097	0.098	100	3,200
Ethephon	15	19	1.9	1.2	0.169	0.497	0.329	0.597	1,100	30,300
Flutriafol	2	9	2.1	1.3	0.086	0.093	0.18	0.12	100	2,900
Gibberellins A4A7	4	21	1.5	1.4	0.016	0.043	0.024	0.059	(Z)	3,500
Mineral Oil	37	55	1.7	2.1	9.961	16.155	16.892	33.186	131,500	4,916,900
NAA, Sodium	32	14	1.4	1.9	0.011	0.01	0.016	0.019	100	700
Prohexadione Calcium	8	25	2.2	1.5	0.09	0.229	0.195	0.339	300	22,800
Spirodiclofen	8	6	1.6	1.1	0.146	0.244	0.227	0.275	400	4,700

¹ The 7 Program States consist of: California, Michigan, New York, North Carolina, Oregon, **Pennsylvania**, and Washington. ² (Z) is displayed for estimates less than half of the unit shown.

³ The following fungicides were withheld from the table to avoid disclosing data for individual farms: Calcium Polysulfide, Copper Chloride Hyd., Dodine, Mefenoxam, Oxytetracycline Calc, PCNB, Phosphorous Acid, Thiram, Triadimefon, and Triflumizole. ⁴ The following herbicides were withheld from the table to avoid disclosing data for individual farms: Atrazine, Clopyralid Mono Salt, Dicamba Dimet. Salt, Dichlobenil, Fluroxypyr 1-MHE, Glufosinate Ammonium, Glyphosate Amm. Salt, Oxyfluorfen, and Penoxsulam. ⁵ The following insecticides were withheld from the table to avoid disclosing data for individual farms: BT Kurstaki ABTS-351, Buprofezin, Clofentezine, Clothianidin, Dicofol, Emamectin Benzoate, Etoxazole, Flonicamid, Gamma-Cyhalothrin, Hexythiazox, Malathion, Methidathion, Novaluron, Oxamyl, Petroleum Distillate, Pyridaben, Pyriproxyfen, Spinosad, Spirotetramat, Xylene, and Zeta-Cypermethrin. ⁶ The following other pesticides were withheld from the table to avoid disclosing data for individual farms: Cytokinins, E-8-Dodecenyl Acetat, Hydrogen Peroxide, NAA Ammonium Salt, Tetradecen-1-OL (Z), Tetradecen-1-YL (E), Z-8-Dodecanol, and Z-8-Dodecen Acetate.

Pennsylvania and Program States ^{1 2 3}: Peaches – Agricultural Chemical Applications, 2011

Active Ingredient	Area Applied		Applications		Rate per Application		Rate per Crop Year		Total Applied	
	PA	US	PA	US	PA	US	PA	US	PA	US
	(percent)		(number)		(pounds per acre)		(pounds per acre)		(1,000 lbs.)	
Fungicides ³										
Basic Copper Sulfate	11	9	1.3	1.1	2.525	6.638	3.346	7.328	1,600	58,700
Boscalid	31	24	2.2	1.2	0.163	0.18	0.353	0.224	500	4,900
Captan	53	23	5.6	3.4	1.327	1.762	7.44	6.07	17,400	125,700
Chlorothalonil	51	26	2.9	1.6	1.325	2.187	3.875	3.495	8,700	82,800
Copper Chloride Hyd.	3	1	1	1.6	4.924	3.044	4.991	4.797	600	2,700
Copper Hydroxide	7	25	4.1	3	0.194	1.737	0.784	5.281	200	124,700
Copper Resinate	4	2	3.8	4.7	0.01	0.014	0.038	0.065	(Z)	100
Cyprodinil	4	6	1	1.3	0.116	0.231	0.118	0.311	(Z)	1,800
Fenbuconazole	46	19	2.4	2.2	0.121	0.085	0.285	0.187	600	3,300
Mancozeb	1	1	1.9	1.1	1.973	0.428	3.829	0.473	200	400
Mono-Potassium Salt	18	1	3.4	3.4	1.078	1.078	3.667	3.667	2,900	2,900
Myclobutanil	36	4	4.3	3	0.076	0.082	0.325	0.244	500	1,000
Oxytetracycline Calc	21	13	3	3	0.22	0.301	0.662	0.915	600	11,200
Propiconazole	12	34	1.4	2.1	0.096	0.113	0.136	0.236	100	7,200
Pyraclostrobin	31	24	2.2	1.2	0.091	0.092	0.201	0.115	300	2,500
Streptomycin Sulfate	1	1	1.3	2.9	0.577	0.331	0.745	0.96	(Z)	1,100
Sulfur	40	56	4.4	3.7	3.868	10.814	17.163	40.128	30,100	2,014,800
Tebuconazole	14	5	2.4	1.6	0.079	0.162	0.193	0.263	100	1,200
Thiophanate-Methyl	9	13	1.8	1.5	0.373	0.604	0.688	0.923	300	10,500
Thiram	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Trifloxystrobin	(D)	3	(D)	3.7	(D)	0.081	(D)	0.296	(D)	700
Ziram	3	13	2.3	1.2	2.96	5.403	6.804	6.494	800	75,000
Herbicides ⁴										
2, 4-D	5	(Z)	1.2	1.2	0.468	0.468	0.564	0.564	100	100
2, 4-D, Dimeth. Salt	8	9	1.1	1.1	0.99	1.052	1.085	1.13	400	9,200
Diuron	1	1	1.4	1.2	1.842	1.35	2.604	1.605	100	1,600
Flumioxazin	2	3	1	1	0.319	0.179	0.319	0.182	(Z)	500
Glyphosate Iso. Salt	5	16	1.3	1.2	1.373	1.001	1.82	1.193	400	17,400
Norflurazon	2	1	1	1	1.85	2.263	1.85	2.302	200	2,400
Oryzalin	5	1	1	1.1	3.218	3.028	3.316	3.291	700	4,100
Paraquat	19	8	1.1	1.2	0.499	0.578	0.563	0.693	500	5,300
Pendimethalin	13	6	1	1.1	2.174	1.897	2.203	2.005	1,300	11,400
Simazine	3	3	1	1.3	2.159	1.273	2.159	1.609	300	4,500
Terbacil	(D)	2	(D)	1	(D)	0.568	(D)	0.58	(D)	1,000
Trifluralin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Insecticides ⁵										
Acetamiprid	26	2	2	2	0.091	0.098	0.181	0.201	200	400
Beta-Cyfluthrin	2	6	1.8	2.2	0.016	0.018	0.028	0.038	(Z)	200
Carbaryl	11	4	1.8	1.4	1.149	1.564	2.021	2.233	1,000	7,500
Chlorantraniliprole	3	5	2.5	1.3	0.076	0.08	0.193	0.102	(Z)	400
Chlorpyrifos	9	7	1.3	1.3	1.293	1.051	1.619	1.32	700	8,900
Cyfluthrin	11	11	1.8	3.2	0.027	0.032	0.048	0.105	(Z)	1,100
Diazinon	3	2	1.8	1.3	0.843	1.632	1.535	2.197	200	4,300
Dinotefuran	2	(Z)	1.3	1.4	0.144	0.176	0.185	0.241	(Z)	(Z)
Endosulfan	6	2	1.6	1.5	0.812	1.005	1.337	1.515	400	2,300
Esfenvalerate	15	31	2.5	2.3	0.025	0.049	0.063	0.114	(Z)	3,200
Fenpropathrin	18	2	2.8	2.2	0.171	0.202	0.479	0.447	400	600
Flubendiamide	5	3	3.3	1.6	0.086	0.112	0.282	0.173	100	400
Imidacloprid	31	6	1.9	1.7	0.043	0.052	0.082	0.09	100	500
Indoxacarb	6	2	1.6	1.5	0.074	0.096	0.119	0.147	(Z)	200
Lambda-Cyhalothrin	46	19	4.5	2.6	0.022	0.029	0.097	0.075	200	1,300
Methomyl	35	2	2.9	3	0.514	0.506	1.475	1.503	2,300	3,200
Permethrin	3	7	1.4	3.6	0.154	0.21	0.219	0.751	(Z)	4,700
Phosmet	25	13	3.2	2.9	1.191	1.591	3.796	4.663	4,200	56,300
Spinetoram	9	2	1.9	1.4	0.026	0.04	0.049	0.056	(Z)	100
Spinetoram-L	9	2	1.9	1.4	0.026	0.04	0.049	0.056	(Z)	100
Thiamethoxam	26	12	2	2.9	0.035	0.085	0.07	0.245	100	2,700
Other ⁶										
Mineral Oil	13	23	1.3	1.3	10.696	21.603	14.147	27.98	8,100	586,400
Spirodiclofen	2	2	1.5	1.1	0.204	0.242	0.296	0.26	(Z)	400

¹ The 7 Program States consist of: California, Georgia, Michigan, New Jersey, **Pennsylvania**, South Carolina, and Texas. ² (Z) is displayed for estimates less than half of the unit shown. ³ The following fungicides were withheld from the table to avoid disclosing data for individual farms: Bacillus Subtilis, Calcium Polysulfide, Copper Sulfate, Difenconazole, Fenhexamid, Iprodione, Kresoxim-Methyl, Metiram, Phosphorous Acid, Potassium Bicarbon., Pseudo. Fluores A506, Pyrimethanil, Thiram, and Trifloxystrobin. ⁴ The following herbicides were withheld from the table to avoid disclosing data for individual farms: Atrazine, Carfentrazone-Ethyl, Clopyralid Mono Salt, Glyphosate Pot. Salt, Oxyfluorfen, Rimsulfuron, Sethoxydim, Terbacil, and Trifluralin. ⁵ The following insecticides were withheld from the table to avoid disclosing data for individual farms: Abamectin, Azinphos-Methyl, Bifenazate, Bifenthrin, Buprofezin, Clofentezine, Clothianidin, Fenthion, Gamma-Cyhalothrin, Hexythiazox, Malathion, Methoxyfenozide, Oxamyl, Petroleum Distillate, Pyridaben, Pyriproxyfen, Spirotetramat, Thiacloprid, and Zeta-Cypermethrin. ⁶ The following other pesticides were withheld from the table to avoid disclosing data for individual farms: Dodecadien-1-OL, E-8-Dodecenyl Acetat, Octadecadien (E,Z), Octadecadien (Z,Z), Oxytetracycline Hydrochloride, Z-8-Dodecanol, Z-8-Dodecen Acetate.

Pest Management Practices – Percent of Farms & Percent of Acres Utilizing Practice, Fruit, 2011

Practice	Percent of Acres Utilizing Practice		Percent of Farms Utilizing Practice	
	PA	Program States ¹ 2009	PA	Program States ¹ 2009
Monitoring Practices:				
Diagnostic laboratory services used for pest detection via soil or plant tissue analysis	25	48	15	28
Field mapping data used to assist decisions	28	41	15	17
Scouted using established process	86	66	35	45
Scouted due to a pest advisory warning	77	34	32	26
Scouted due to a pest development model	81	40	36	23
Scouted for pests or beneficial organisms	99	98	94	92
<i>By conducting general observations while performing routine tasks</i>	6	18	31	28
<i>By deliberately going to the crop or growing acres</i>	94	80	63	65
Scouted for diseases	99	96	91	88
<i>By employee</i>	4	34	2	10
<i>By farm supply company or chemical dealer</i>	7	15	8	10
<i>By independent crop consultant or commercial scout</i>	50	19	12	13
<i>By operator, partner, or family member</i>	39	32	78	66
Scouted for insects & mites	99	96	88	87
<i>By employee</i>	4	34	2	10
<i>By farm supply company or chemical dealer</i>	7	15	8	11
<i>By independent crop consultant or commercial scout</i>	50	19	13	14
<i>By operator, partner, or family member</i>	39	32	77	65
Scouted for weeds	97	95	82	86
<i>By employee</i>	4	35	2	11
<i>By farm supply company or chemical dealer</i>	6	12	7	8
<i>By independent crop consultant or commercial scout</i>	51	15	13	9
<i>By operator, partner, or family member</i>	39	38	77	71
Weather data used to assist decisions	98	76	70	58
Written or electronic records kept to track the activity of pests	86	65	44	37
Prevention Practices:				
Crop acres cultivated for weed control	10	62	15	48
Crop acres irrigated	40	93	23	83
Crop residues removed or burned down	18	43	28	32
Equipment and implements cleaned after field work to reduce spread of pests	39	74	42	48
Field edges, ditches, or fence lines were chopped, sprayed, mowed, plowed, or burned	95	78	81	68
Water management practices used	6	57	4	37
Suppression Practices:				
Beneficial organisms applied or released	3	15	4	15
Biological pesticides applied	21	29	15	25
Floral lures, attractants, repellants, pheromone traps, or biological pest controls used	84	42	33	33
Ground covers, mulches, or other physical barriers maintained	33	50	36	48
Pesticides with different mechanisms of action used to keep pest from becoming resistant to pesticides	64	74	73	51
Scouting data compared to published information to assist decisions	85	54	49	33

¹ Data was provided by the following program states through the 2009 Fruit Chemical Use Survey: California, Florida, Georgia, Michigan, New Jersey, New York, North Carolina, Oregon, **Pennsylvania**, South Carolina, Texas, and Washington.

The following chemical use data is the most recent data available.

Fertilizers

Of the three primary macronutrients, nitrogen (N) was applied to 98 percent of the snap bean for processing acreage at an average rate of 44 pounds per acre for the 2010 crop year. Macronutrients phosphate (P) and potash (K) were applied to 95 and 98 percent of the snap bean acreage at an average rate of 33 and 54 pounds per acre, respectively. The secondary macronutrient, sulfur (S), was applied to 24 percent of acres at a rate of 20 pounds per acre. Snap beans for processing were planted on 12,000 acres in Pennsylvania in 2010.

Nitrogen was applied to 98 percent of the fresh market sweet corn acreage at an average rate of 93 pounds per acre for the crop year. Phosphate and potash were applied to 86 and 85 percent of the acreage at an average rate of 59 and 45 pounds per acre, respectively. Sulfur applications were made on 15 percent of the acreage at an average rate of 31 pounds per acre. Sweet corn for fresh market was planted on 16,200 acres in Pennsylvania in 2010.

Pumpkin growers applied nitrogen to 94 percent of the acreage; phosphate 84 percent; potash 85 percent; and sulfur 7 percent.

The average rates per crop year for nitrogen, phosphate, potash, and sulfur were 61, 29, 79, and 31 pounds per acre, respectively.

Pesticides

For growers of snap beans for processing, the more commonly used herbicides were Bentazon, Formesafen, Halosulfuron, and Imazamox. The most used insecticides were Zeta-Cypermethrin and Bifenthrin. Boscalid was the fungicide reported most on the surveyed acres.

Fresh market sweet corn growers applied Atrazine, S-Metolachlor, and Mesotrione as the most used herbicides. The most used insecticides were Lambda-cyhalothrin and Methomyl. Azoxystrobin the only fungicide reported for sweet corn at a publishable level.

Pumpkin growers applied the herbicides Clomazone and Ethalfluralin most commonly. Endosulfan, Lambda-cyhalothrin, Esfenvalerate, and Bifenthrin were the most used insecticides, and Myclobutanil, Copper Hydroxide, Pyraclostrobin, Boscalid, and Cyazofamid were the five most reported fungicides used on pumpkins.

Pest Management Practices

Pennsylvania vegetable growers reported using several management practices to aid in the deterrence of pests through prevention, avoidance, monitoring, and suppression strategies. The most commonly reported pest management practice for prevention was field edges, ditches, or fencerows were chopped, sprayed, mowed, plowed, or burned, used by 72 percent of the vegetable farms on 69 percent of the acres treated.

For avoidance practices, rotating crops during the past 3 years was used by the majority of vegetable farms, 88 percent, on 81 percent of the acreage. For monitoring practices, scouting for weeds was the most commonly used scouting practice, used on 89 percent of the vegetable farms on 97 percent of the acres treated. Scouting for insects and mites was used on 87 percent of farms, and scouting for diseases was used on 85 percent of farms.

The most frequently used pest suppression practice was to maintain ground covers, mulches, or physical barriers. This practice was used on 66 percent of the vegetable farms. Alternating pesticides with different methods of application was used on 65 percent of the acreage.

Pennsylvania: Fertilizer Primary Nutrient Applications, 2010

Primary nutrient	Planted acreage	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	(acres)	(percent)	(number)	(lbs per acre)	(lbs per acre)	(1,000 lbs)
Snap Beans, Processed	12,000					
Nitrogen		98	1.6	28	44	519.2
Phosphate		95	1.2	28	33	378.0
Potash		98	1.3	42	54	636.3
Sulfur		24	1.3	16	20	56.7
Sweet Corn, Fresh	16,200					
Nitrogen		98	1.9	50	93	1,483.4
Phosphate		86	1.4	43	59	823.5
Potash		85	1.2	37	45	618.9
Sulfur		15	1.0	31	31	75.7
Pumpkins	6,800					
Nitrogen		94	1.5	40	61	387.8
Phosphate		84	1.3	23	29	167.0
Potash		85	1.4	56	79	455.8
Sulfur		7	1.4	23	31	14.8

Pennsylvania: Snap Beans, Processed – Agricultural Chemical Applications, 2010 ¹

Active ingredient	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	(percent)	(number)	(pounds per acre)	(pounds per acre)	(1,000 lbs)
Herbicides					
Bentazon	74	1	0.386	0.386	3.4
Clethodim	5	1	0.02	0.02	(Z)
Clomazone	(D)	(D)	(D)	(D)	(D)
EPTC	(D)	(D)	(D)	(D)	(D)
Fomesafen	46	1	0.216	0.216	1.2
Glyphosate iso. salt	13	1.1	0.77	0.829	1.3
Halosulfuron	34	1	0.027	0.028	0.1
Imazamox	32	1	0.031	0.031	0.1
Metolachlor	(D)	(D)	(D)	(D)	(D)
Paraquat	(D)	(D)	(D)	(D)	(D)
Pendimethalin	(D)	(D)	(D)	(D)	(D)
Quizalof-P-Ethyl	(D)	(D)	(D)	(D)	(D)
S-Metolachlor	80	1	0.959	0.972	9.3
Sethoxydim	(D)	(D)	(D)	(D)	(D)
Trifluralin	(D)	(D)	(D)	(D)	(D)
Insecticides					
Acephate	(D)	(D)	(D)	(D)	(D)
Bifenthrin	33	1	0.036	0.036	0.1
Endosulfan	(D)	(D)	(D)	(D)	(D)
Esfenvalerate	(D)	(D)	(D)	(D)	(D)
Lambda-Cyhalothrin	(D)	(D)	(D)	(D)	(D)
Methomyl	(D)	(D)	(D)	(D)	(D)
Zeta-Cypermethrin	35	1	0.008	0.008	(Z)
Fungicides					
Azoxystrobin	(D)	(D)	(D)	(D)	(D)
Boscalid	30	1	0.221	0.221	0.8
Chlorothalonil	(D)	(D)	(D)	(D)	(D)
Thiophanate-Methyl	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual farms.

(Z) Less than half of rounding unit for data item shown.

¹ Planted acreage in 2010 for Pennsylvania was 12,000 acres.

Pennsylvania: Sweet Corn, Fresh – Agricultural Chemical Applications, 2010¹

Active ingredient	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	(percent)	(number)	(pounds per acre)	(pounds per acre)	(1,000 lbs)
Herbicides					
2, 4-D, 2-EHE	(D)	(D)	(D)	(D)	(D)
2,4-D, Dimeth. Salt	(D)	(D)	(D)	(D)	(D)
Acetochlor	(D)	(D)	(D)	(D)	(D)
Alachlor	2	1	1.849	1.849	0.6
Atrazine	83	1.1	1.148	1.227	16.5
Bentazon	3	1	0.72	0.722	0.4
Carfentrazone-Ethyl	(D)	(D)	(D)	(D)	(D)
Clomazone	(D)	(D)	(D)	(D)	(D)
Clopyralid Mono Salt	(D)	(D)	(D)	(D)	(D)
Dicamba, Dimet. Salt	(D)	(D)	(D)	(D)	(D)
Dimethenamid	(D)	(D)	(D)	(D)	(D)
Dimethenamid-P	4	1	0.83	0.83	0.5
Ethalfuralin	(D)	(D)	(D)	(D)	(D)
Foramsulfuron	(D)	(D)	(D)	(D)	(D)
Glufosinate-Ammonium	(D)	(D)	(D)	(D)	(D)
Glyphosate	(D)	(D)	(D)	(D)	(D)
Glyphosate Amm. Salt	(D)	(D)	(D)	(D)	(D)
Glyphosate Iso. Salt	17	1.1	0.691	0.767	2.1
Halosulfuron	(D)	(D)	(D)	(D)	(D)
Imazethapyr	(D)	(D)	(D)	(D)	(D)
Mesotrione	53	1.1	0.097	0.103	0.9
Methanone	(D)	(D)	(D)	(D)	(D)
Metolachlor	(D)	(D)	(D)	(D)	(D)
Paraquat	(D)	(D)	(D)	(D)	(D)
Pendimethalin	23	1	0.974	0.975	3.6
Rimsulfuron	(D)	(D)	(D)	(D)	(D)
S-Metolachlor	77	1	1.386	1.418	17.6
Simazine	(D)	(D)	(D)	(D)	(D)
Tembotrione	(D)	(D)	(D)	(D)	(D)
Thifensulfuron	(D)	(D)	(D)	(D)	(D)
Insecticides					
Beta-Cyfluthrin	(D)	(D)	(D)	(D)	(D)
Bifenthrin	3	3.1	0.046	0.143	0.1
Bt Subsp. Kurstaki	(D)	(D)	(NA)	(D)	(NA)
Carbaryl	(D)	(D)	(D)	(D)	(D)
Chlorantraniliprole	2	1.5	0.005	0.008	(Z)
Chlorpyrifos	8	1	1.078	1.078	1.4
Cyfluthrin	20	2.8	0.043	0.121	0.4
Endosulfan	(D)	(D)	(D)	(D)	(D)
Esfenvalerate	6	3.4	0.043	0.146	0.1
Lambda-Cyhalothrin	80	3.6	0.023	0.081	1.1
Methomyl	40	2.6	0.378	0.983	6.3
Methylparathion	(D)	(D)	(D)	(D)	(D)
Permethrin	6	3.4	0.18	0.61	0.6
Spinetoram-J	3	1.9	0.013	0.024	(Z)
Spinetoram-L	3	1.9	0.013	0.024	(Z)
Spinosad	(D)	(D)	(D)	(D)	(D)
Tebupirimphos	(D)	(D)	(D)	(D)	(D)
Tefluthrin	(D)	(D)	(D)	(D)	(D)
Thiodicarb	7	2.9	0.664	1.902	2.2
Zeta-Cypermethrin	(D)	(D)	(D)	(D)	(D)
Fungicides					
Azoxystrobin	10	1.1	0.094	0.099	0.2
Chlorothalonil	(D)	(D)	(D)	(D)	(D)
Propiconazole	(D)	(D)	(D)	(D)	(D)
Pyraclostrobin	(D)	(D)	(D)	(D)	(D)
Vinclozolin	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual farms.

(Z) Less than half of rounding unit for data item shown.

(NA) Not available.

¹ Planted acreage in 2010 for Pennsylvania was 16,200 acres.

Pennsylvania: Pumpkins – Agricultural Chemical Applications, 2010 ¹

Active ingredient	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	(percent)	(number)	(pounds per acre)	(pounds per acre)	(1,000 lbs)
Herbicides					
2,4-D, 2-EHE	(D)	(D)	(D)	(D)	(D)
Atrazine	(D)	(D)	(D)	(D)	(D)
Bensulide	(D)	(D)	(D)	(D)	(D)
Clethodim	(D)	(D)	(D)	(D)	(D)
Clomazone	34	1	0.393	0.4	0.9
Ethalfuralin	28	1	0.814	0.816	1.5
Glyphosate	(D)	(D)	(D)	(D)	(D)
Glyphosate Amm. Salt	(D)	(D)	(D)	(D)	(D)
Glyphosate Iso. Salt	15	1	0.978	1.0	1.0
Glyphosate Pot. Salt	(D)	(D)	(D)	(D)	(D)
Halosulfuron	13	1.1	0.03	0.032	(Z)
Metolachlor	(D)	(D)	(D)	(D)	(D)
Napropamide	(D)	(D)	(D)	(D)	(D)
Paraquat	4	1.2	0.732	0.905	0.3
Pendimethalin	3	1	0.705	0.705	0.1
S-Metolochlor	13	1.1	1.044	1.157	1.0
Sethoxydim	(D)	(D)	(D)	(D)	(D)
Trifluralin	(D)	(D)	(D)	(D)	(D)
Insecticides					
Abamectin	(D)	(D)	(D)	(D)	(D)
Acetamiprid	(D)	(D)	(D)	(D)	(D)
Azinphosmethyl	(D)	(D)	(D)	(D)	(D)
Bifenthrin	48	2.8	0.037	0.106	0.3
Carbaryl	7	2.3	0.977	2.274	1.1
Chlorantraniliprole	(D)	(D)	(D)	(D)	(D)
Cyfluthrin	3	2.5	0.037	0.091	(Z)
Dimethoate	(D)	(D)	(D)	(D)	(D)
Endosulfan	67	1.7	0.691	1.162	5.3
Esfenvalerate	50	1.3	0.034	0.044	0.1
Flonicamid	(D)	(D)	(D)	(D)	(D)
Imidacloprid	8	1.2	0.485	0.564	0.3
Lambda-cyhalothrin	60	1.4	0.022	0.03	0.1
Methomyl	4	2.5	0.359	0.915	0.3
Permethrin	5	2.5	0.183	0.455	0.1
Propargite	(D)	(D)	(D)	(D)	(D)
Pymetrozine	(D)	(D)	(D)	(D)	(D)
Spinosad	(D)	(D)	(D)	(D)	(D)
Spiromesifen	(D)	(D)	(D)	(D)	(D)
Thiamethoxam	(D)	(D)	(D)	(D)	(D)
Zetacypermethrin	(D)	(D)	(D)	(D)	(D)
Fungicides					
Azoxystrobin	6	1.5	0.195	0.298	
Basic Copper Sulfate	(D)	(D)	(D)	(D)	(D)
Boscalid	54	1.4	0.021	0.029	
Captan	(D)	(D)	(D)	(D)	(D)
Chlorothalonil	49	3.7	1.624	6.057	
Copper Amm. Complex	(D)	(D)	(D)	(D)	(D)
Copper Hydroxide	59	2.3	0.294	0.671	
Copper Oxychlo. Sul	(D)	(D)	(D)	(D)	(D)
Copper Oxychloride	(D)	(D)	(D)	(D)	(D)
Copper Resinate	(D)	(D)	(D)	(D)	(D)
Copper Sulfate	(D)	(D)	(D)	(D)	(D)
Cyazofamid	54	2.7	0.072	0.194	
Cymoxanil	17	1.7	0.122	0.205	
Dimethomorph	(D)	(D)	(D)	(D)	(D)
Famoxadone	15	1.7	0.123	0.205	
Fluopicolide	8	1.2	0.118	0.142	
Mancozeb	9	2.3	1.701	3.92	
Mandipropamide Techn	(D)	(D)	(D)	(D)	(D)
Maneb	(D)	(D)	(D)	(D)	(D)
Mefenoxam	3	1.8	0.341	0.627	
Mono-Potassium	(D)	(D)	(D)	(D)	(D)
Myclobutanil	60	1.9	0.122	0.226	
Phosphorous Acid	47	3	2.922	8.647	
Potassium Bicarbon.	(D)	(D)	(D)	(D)	(D)
Propamocarb Hydroch.	52	1.9	0.891	1.675	
Propiconazole	(D)	(D)	(D)	(D)	(D)
Pyraclostrobin	58	1.4	0.016	0.022	
Quinoline	13	1.8	0.083	0.151	
Sulfur	3	2.9	3.73	10.923	
Tebuconazole	(D)	(D)	(D)	(D)	(D)
Thiophanatemethyl	(D)	(D)	(D)	(D)	(D)
Thiram	(D)	(D)	(D)	(D)	(D)
Trifloxystrobin	(D)	(D)	(D)	(D)	(D)
Triflumizole	51	1.9	0.242	0.467	
Triforine	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual farms. (Z) Less than half of rounding unit for data item shown. ¹ Planted acreage in 2010 for Pennsylvania was 6,800 acres.

Pest Management Practices – Percent of Farms & Percent of Acres Utilizing Practice, Vegetables, 2006 & 2010

Practice	Percent of farms utilizing practice				Percent of acres utilizing practice			
	PA		Program states ¹		PA		Program states ¹	
	2006	2010	2006	2010	2006	2010	2006	2010
Prevention Practices:								
No-till or minimum till used to manage pests	35	44	25	24	48	59	28	33
Remove or plow down crop residue	66	66	63	70	68	60	71	73
Clean implements after field work	47	35	55	56	60	50	68	70
Field cultivated for weed control	56	53	70	67	43	48	76	71
Field edges/etc. chopped, mowed/etc.	61	72	59	72	56	69	72	78
Water management practices	28	12	42	43	39	12	52	60
Avoidance Practices:								
Adjust planting/harvesting dates	18	18	18	21	15	15	26	30
Rotate crops to control pests	87	88	79	81	89	95	81	83
Planting locations planned to avoid pests	48	47	35	38	54	51	37	47
Grow trap crop to control insects	4	6	5	7	8	2	8	12
Crop variety chosen for pest resistance	48	65	37	43	51	61	43	48
Row spacing, plant density adjusted	-	24	-	24	-	22	-	33
Monitoring Practices:								
Scouting by general observation	69	26	72	22	74	20	87	9
Deliberate scouting activities	27	31	23	74	24	79	10	90
Field was not scouted	4	6	5	4	2	1	3	1
Established scouting process/insect trap used	30	68	37	45	40	49	60	73
Scouting due to pest advisory warning	24	29	16	26	24	38	23	36
Scouting due to pest development model	25	23	17	25	27	46	25	44
Scouted for weeds	93	89	91	92	97	97	94	98
Scouting for weeds was done by:								
Operator, partner, or family member	87	86	73	68	74	77	40	43
An employee	2	4	3	4	2	11	9	14
Farm supply or chemical dealer	4	2	6	7	10	2	15	14
Indep. crop consultant or comm. scout	6	6	8	8	15	8	25	18
Processor	-	1	-	12	-	1	-	10
Other	1	1	10	(²)	(²)	1	10	1
Scouted for insects and mites	93	87	93	93	95	97	97	99
Scouting for insects or mites was done by:								
Operator, partner, or family member	85	84	65	62	72	76	31	34
An employee	2	4	3	4	2	11	9	12
Farm supply or chemical dealer	4	2	8	8	10	2	17	15
Indep. crop consultant or comm. scout	8	6	10	11	16	8	29	22
Processor	-	2	-	15	-	2	-	15
Other	1	2	14	(²)	(²)	1	14	1
Scouted for diseases	87	85	90	91	85	96	96	98
Scouting for diseases was done by:								
Operator, partner, or family member	85	85	66	61	69	76	31	35
An employee	2	4	3	4	2	11	8	12
Farm supply or chemical dealer	5	2	8	8	12	2	17	15
Indep. crop consultant or comm. scout	8	6	10	11	17	8	30	22
Processor	-	2	-	16	-	2	-	15
Other	1	1	14	(²)	(²)	1	14	1
Records kept to track pests	30	38	37	45	38	50	62	69
Field mapping of pest problem	13	10	17	23	26	23	35	37
Soil/plant tissue analysis to detect pests	9	14	16	25	15	18	45	51
Weather data used	74	83	59	68	81	92	78	87
Suppression Practices:								
Biological pesticides applied	8	19	10	15	5	32	28	28
Beneficial organisms applied or released	1	2	6	7	1	11	11	10
Scouting data used to make decisions	30	43	35	40	38	55	53	56
Maintain ground cover or physical barriers	61	66	43	48	75	65	45	48
Adjusted planting methods	20	47	24	38	23	51	23	33
Alternate pesticide with different MOA	51	65	36	47	49	81	63	69
Lures, attractants, repellants used	-	12	-	10	-	21	-	18

¹ The 19 Program States include Arizona, California, Colorado, Florida, Georgia, Illinois, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Washington, and Wisconsin. ² Percentage is less than 0.5.

Agricultural Chemical Usage 2009 Nursery & Floriculture

The following chemical use data is the most recent data available. For the complete report, search on the keywords 'Agricultural chemical usage' at www.nass.usda.gov.

The National Agricultural Statistics Service (NASS) Agricultural Chemical Use Program is the U.S. Department of Agriculture's official source of statistics about on-farm and post-harvest fertilizer and pesticide use and pest management practices. In the spring and summer of 2010, NASS conducted the Nursery and Floriculture Chemical Use Survey to collect data about chemical use during 2009 for 19 nursery and floriculture production categories. The chemical use results of the survey are based on 1,606 usable reports from operations in six program states: California, Florida, Michigan, Oregon, Pennsylvania and Texas.

Chemical Use Highlights:

Pesticides

In 2009, a total of 350 unique active ingredients were used on nursery and floriculture crops in the six program states. A total of 3.89 million pounds of active ingredients were applied. In terms of total amount applied, other was the most common class of pesticide used on nursery and floriculture crops.

Herbicides

Of the total active ingredients applied, herbicides accounted for 507,200 pounds, a decrease from 929,600 pounds in 2006. Glyphosate isopropylamine salt was the most widely used herbicide, at 196,200 pounds. Oryzalin was the second most commonly used herbicide with 83,300 pounds, followed by oxyfluorfen at 34,300 pounds. Glyphosate isopropylamine salt was also the most widely used herbicide in terms of percent of operations using an active ingredient. Hexazinone and isoxaben were the second most widely used herbicides, both used by 9 percent of the operations.

Insecticides

A total of 677,500 pounds of insecticides was applied to nursery and floriculture crops in the program states in 2009. Based on total amount applied, petroleum distillate was the most widely applied insecticide accounting for nearly a third of the total amount of insecticides used. Acephate was the next most common insecticide at 87,700 pounds and third was petroleum oil at 76,200

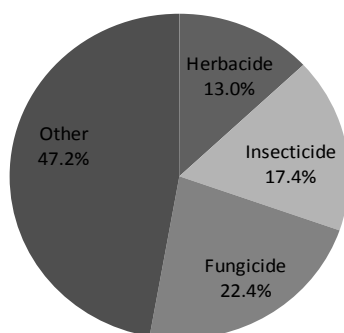
As a percent of operations using an active ingredient, acephate was the most commonly used insecticide. Imidacloprid was the second most commonly used insecticide with 31 percent of the operations reporting its use.

Top Pesticides Used, by Percent of Operations and Class, 2009 Program States

	Active Ingredient	Percent of Operations
Herbicides	Glyphosate isopropylamine salt	30
	Hexazinone	9
	Isoxaben	9
Insecticides	Acephate	38
	Imidacloprid	31
	Abamectin	27
Fungicides	Chlorothalonil	27
	Thiophanate-methyl	27
	Mefenoxam	19
Other	Daminozide	10
	Paclobutrazol	9
	Uniconazole	7

Total Pesticides Applied, by Class, 2009 Program States

■ Herbicide ■ Insecticide ■ Fungicide ■ Other



Fungicides

In 2009, growers applied 869,800 pounds of fungicides to floriculture and nursery crops. The three most commonly used were mancozeb,

at 367,400 pounds; chlorothalonil, at 159,700 pounds; and thiophanate-methyl at 90,400 pounds. These three active ingredients accounted for 71 percent of the total pounds of fungicides applied to nursery and floriculture crops. The top two fungicides, in terms of percent of operations, were chlorothalonil and thiophanatemethyl. Mefenoxam was third.

Other

Other chemicals comprised the most widely used pesticide class, accounting for 47 percent, or 1.84 million pounds, of the total pounds of active ingredients applied to nursery and floriculture crops in the program states in 2009. Other chemicals include active ingredients which were used as growth regulators, rodenticides, other animal repellents, soil fumigants, biologicals/pheromones, disinfectants and slug/snail baits. The top two active ingredients were methyl bromide and chloropicrin, with a total of 943,700 and 433,500 pounds, respectively. As a percent of operations, daminozide, paclobutrazol and uniconazole were the three most common other chemicals used on nursery and floriculture crops in 2009.

Top Pesticides Used, by Total Applied and Class, 2009 Program States

Active Ingredient		Rate per Acre	Total Applied
		Lbs/Acre	Lbs
Herbicides	Glyphosate isopropylamine salt	1.221	196,200
	Hexazinone	2.786	83,300
	Isoxaben	1.134	34,300
Insecticides	Acephate	9.523	223,200
	Imidacloprid	0.812	87,700
	Abamectin	13.634	76,200
Fungicides	Chlorothalonil	1.343	367,400
	Thiophanate-methyl	1.310	159,700
	Mefenoxam	0.594	90,400
Other	Daminozide	230.538	943,700
	Paclobutrazol	105.353	433,500
	Uniconazole	236.731	319,900

Pest Management Practices

Nursery and floriculture operations reported using several management practices to aid in the deterrence of pests through prevention, avoidance, monitoring and suppression.

Top Pest Management Practices by Percent of Operations, Program State Level, 2009

	Top Practice	Total	California	Florida	Michigan	Oregon	Pennsylvania	Texas
Prevention	Infected plants or plant parts removed	82	68	72	94	90	89	70
Avoidance	Plant density adjusted	58	39	51	57	60	74	48
Monitoring	Scouted for pests (by general observations while performing routine tasks)	82	79	84	81	74	95	74
Suppression	Ground covers, mulches, or other physical barriers maintained	65	47	69	74	66	65	70

Pennsylvania: Active Ingredient - Total Applied by Production Category and Pesticide Class, 2009 ¹

Pesticide class	Production category					
	All nursery and floriculture	All nursery	Nursery propagation or lining-out stock	Broadleaf evergreens	Coniferous evergreens	Deciduous shade trees
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Herbicides	24.2	24.1	*	0.9	10.0	2.2
Insecticides	49.4	48.9	0.4	*	10.6	1.4
Fungicides	40.6	35.0	0.1	1.4	7.9	1.6
Other chemicals	1.7	1.4	*	--	*	--
All	115.9	109.4	0.5	2.7	28.4	5.2
Pesticide class	Production category					
	Deciduous flowering trees	Deciduous shrubs	Fruit and nut plants	Christmas trees	All floriculture	Cut flowers
	((1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Herbicides	3.2	0.4	*	7.4	0.1	*
Insecticides	9.0	0.2	*	27.0	0.5	0.1
Fungicides	1.0	*	*	23.0	5.6	0.2
Other chemicals	0.1	*	--	1.0	0.3	*
All	13.2	0.6	*	58.4	6.5	0.3
Pesticide class	Production category					
	Flowering Plants	Bedding plants	Foliage plants	Floriculture propagation material	Herbaceous perennials	
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	
Herbicides	*	0.1	*	*	*	
Insecticides	0.2	0.1	*	*	0.1	
Fungicides	0.8	0.4	0.1	*	4.1	
Other chemicals	*	0.3	*	*	*	
All	1.0	0.8	0.1	0.1	4.2	

* Totals applied are less than 50 pounds. ¹ May not add due to rounding.

Agricultural Chemical Usage

2006 Dairy Cattle & Dairy Facilities

By Adam W. Pike

The following chemical use data is the most recent data available.

The agricultural chemical use estimates in this report are based on data compiled from the 2007 General Dairy Management Survey. This survey was a cooperative project between the National Agricultural Statistics Service (NASS) and the National Animal Health Monitoring System within the Animal and Plant Health Inspection Service (APHIS). The 17 Program States in the survey account for approximately 91 percent of the milk cow inventory in the United States, based on the January 2007 Milk Production release published by the United States Department of Agriculture's National Agricultural Statistics Service (USDA-NASS). This report provides insecticide use information during 2006 on dairy cattle and dairy facilities in the following States: California, Idaho, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, New Mexico, New York, Ohio, Pennsylvania, Texas, Vermont, Virginia, Washington, and Wisconsin.

Highlights:

Dairy Cattle: Agricultural producers applied a total of 174,000 pounds of insecticides to dairy cattle during 2006 in the 17 States surveyed. The insecticides most commonly used on dairy cattle during 2006 were Piperonyl butoxide, at 44,800 pounds, followed by Permethrin, at 42,300 pounds. Tetrachlorvinphos (Z-isomer) was the third most commonly used active ingredient, with 37,600 total pounds used during 2006 in the States surveyed. These three active ingredients accounted for 72 percent of the total pounds of active ingredients applied to dairy cattle. Of the total chemical applications made to dairy cattle during 2006 in the 17 selected States, 58 percent were made as pour-on applications, 28 percent were made using a sprayer, and 4 percent used dust bags or hand dusters. Ear tags, rubbing devices, and various other methods of application accounted for the remaining 10 percent of applications made to dairy cattle. Of the total chemical applications made to dairy cattle during 2006 in the 17 Program States, 59 percent of the applications were to control flies, 23 percent for lice, and 9 percent were for mange/mites. All other pests accounted for the remaining 9 percent.

Piperonyl butoxide – PBO-8 (EC), Pyrenone 25-5 Pyrethrins 5% Spray, Pyrocide fogging Concentrate, Pyrenone General Purpose, DeLice Pour-On (Synergized), Purina Insecticide Mist, Purina Fly-A-Rest, Permethrin Plus, Python Ear Tags, Excalibur Ear Tag, Saber Extra Ear Tag, Farnam Wipe Citronella Spray II, Dy Fly Dairy Aerosol, LD-44Z Farm Insect Fogger, Heartland Farm and Dairy Insecticide, Farnam Wipe Fly Repellent, Cutter Blue Ear Tag, Permethrin CD Pour-On (aka Buzz Off), Repel-X RTU, CB-80 Insecticide, Fly Spray (generic), CB- 38 Insecticide, CB Farm Dairy Insect Fogger, C-Em-Die, Py-Vona Stock Fly Spray, Max-Con Ear Tags, CB-40 Insecticide, CT 511, Pyrethrin Plus Spray with Vapona, C-Em-Die II, Tox-OWik Insecticide, Prozap VIP Insect Spray, Synergized Pour-On, Genie Fogger X Insect Killer, Dairy Cattle Spray, Moorman's Fly Spray, Pyrenone Multi- Purpose Knockout Spray, CV-80D Country Vet Farm & Dairy Spray, CV-40 Country Vet Farm & Home Insecticide, Back Side Plus, Kent/ Opticare Dairy Aerosol, Ultra Boss Pour-On Dairy Aerosol, Ultra Boss Pour-On Insecticide, Revenge Farm & Home Fly Bomb Insect Fogger, Super Kill IBA aka Livestock Fogging Spray, CB Purge I Timed Mist, Konk Too Flying Insect Killer, Fly-A-Rest Aerosol II, Dairy Aerosol Insect Spray, Durasect II, Cessco 7 C, Dy-Fly I Livestock Spray, Heartland Auto-Mist 3 Insect Killer, CT-75 Aerosol Insecticide, Fly Foil Spray

Permethrin - Arctic 3.2 EC, Permethrin 3.2 EC, Evercide Permethrin Permethrin 10% EC, Permethrin 10 EWC, Atroban 11% EC, Atroban 25% WP, DeLice Pour-On, Delice Pour-On (Synergized), Ectiban D (25%), Ectiban EC, Ectiban WP (25%), Expar 11EC, Expar 1%, Hard Hitter 5.7% EC, Insectaban EC, Insectrin EC, Insectrin WP (25%), GardStar Plus Ear Tags, New Z Permethrin Ear Tag, Permethrin Fly and Louse Dust, Permethrin II 10% EC, Permethrin 25% WP, Permethrin Plus, Durasect, Brute Pour-on for Cattle, Permethrin CD Pour-On(aka Buzz Off), Repel-X RTU, Permethrin 20 MEC Spray, 5% Permethrin Pour-on, 0.25% Permethrin Dust, Raid Wasp and Hornet Killer 13, Synergized Pour-On, Unicom Backup Pour-On, Atroban 42.5% EC, Gardstar 40% EC, Genie Fogger X Insect Killer, MEC Permethrin Premise Spray, Back Side, Boss Pour-On, Backrubber Oil, Dragnet, Permethrin Insecticide Spray, Zema 35-Day Dip, Permethrin

10% WB Multipurpose Concentration, CT Backrubber Oil, Back Side Plus, Ultra Boss Pour-On Insecticide, Kattleguard 1% Permethrin Insecticide, Permethrin Livestock & Premise Spray, Hard Hitter 5.7% Insecticide, Prozap Insectrin Dust, Durasect II, Permethrin 3.2 SFR

Tetrachlorvinphos (Z-isomer) - Rabon 3 Livestock Dust, Ravap Livestock Spray EC, Oral Larvicide 97.3%, Rabon 7.76 Oral Larvicide Premix, Mineral Block w/ Rabon

Dairy Facilities: In the 17 Program States surveyed, a total of 149,100 pounds of insecticide were applied to dairy cattle facilities in 2006. Imidacloprid had the highest total quantity used at 27,500 pounds. Cyfluthrin had the second highest quantity used at 25,300 pounds followed by Piperonyl butoxide at 22,700 pounds. These three active ingredients accounted for 51 percent of the total pounds of active ingredients applied to dairy cattle facilities. Of the total chemical applications made to dairy facilities in the 17 Program States in 2006, 24 percent were made to the milking parlor, 18 percent were made to tie stall/stanchion, 17 percent were made to freestall barns, 13 percent to calf hutches, and 9 percent to individual or multi-pen.

Imidacloprid – QuickBayt Fly Bait

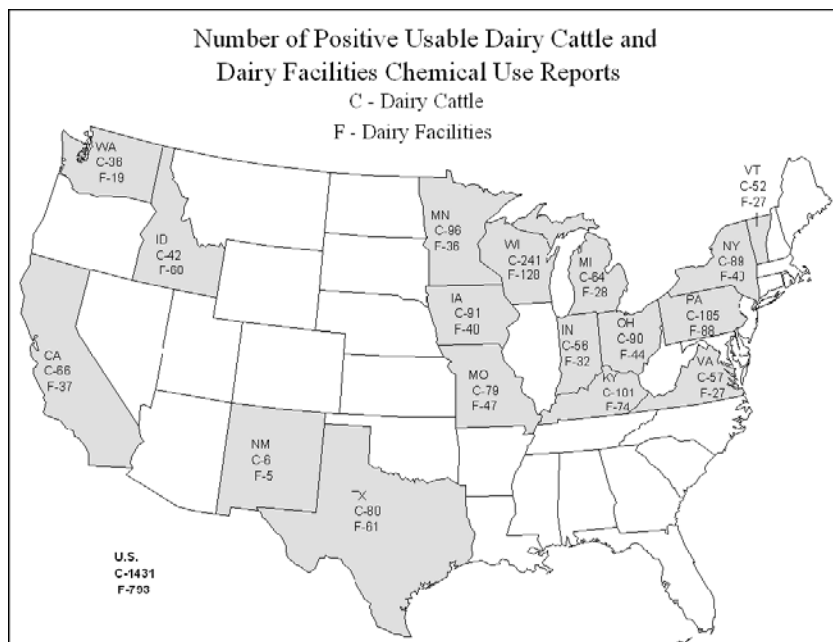
Cyfluthrin – Tempo 20 WP, Countdown WP Premise Insecticide, Tempo2, Temp 2% Dust, Countdown EC Premise, Temp SC Ultra, CyLence Pour-On, Prozap CyLence Animal Insecticide Dust

Piperonyl butoxide (previously mentioned)

Dairy Cattle & Dairy Cattle Facilities: Agricultural Chemical Use Total Amount Applied, Program States and Total, 2006

State	Total applied	
	Cattle	Facilities
	(1,000 pounds)	(1,000 pounds)
CA	10.0	7.4
ID	6.7	8.1
IN	8.8	7.8
IA	5.3	14.8
KY	2.2	1.3
MI	4.9	2.9
MN	10.8	12.5
MO	3.9	7.0
NM	9.1	0.3
NY	7.9	10.2
OH	5.2	1.6
PA	14.8	16.0
TX	19.7	34.8
VT	20.1	1.0
VA	10.8	1.0
WA	8.8	1.9
WI	24.9	20.5
Total	174.0	149.1

In the 17 States surveyed, there were 1,431 reports summarized for chemicals applied directly to dairy cattle and 793 reports summarized for chemicals applied to dairy facilities.



Dairy Cattle: Agricultural Chemical Use Pennsylvania, 2006

Agricultural chemical	Rate per head per application (grams)	Rate per head per year (grams)	Total applied (1,000 pounds)
Insecticides:			
Coumaphos	(¹)	0.3	*
Cyfluthrin	0.2	0.7	0.1
Dichlorvos	0.1	0.9	0.1
Eprinomectin	7.4	11.8	1.9
Moxidectin	0.4	0.6	0.1
Permethrin	1.8	8.7	3.6
Piperonyl butoxide	0.3	4.2	1.1
Pyrethrins	0.1	0.9	0.2
Tetrachlorvinphos (Z-isomer)	5.5	240.6	7.7

Table represents only those states data was collected for.

* Total applied less than 50 pounds

¹ Rate per head less than .05 grams

Dairy Cattle Facilities: Agricultural Chemical Use, Pennsylvania, 2006

Agricultural chemical	Total applied (1,000 pounds)
Insecticides:	
Cyfluthrin	0.1
Dichlorvos	0.1
Dimethoate	1.5
Esfenvalerate	3.5
Imidacloprid	0.3
Lambda-cyhalothrin	3.0
Methomyl	0.1
Octacide-264	*
Permethrin	1.2
Piperonyl butoxide	1.8
Pyrethrins	*
Pyriproxyfen	*
Tricosene	0.1

Table represents only those states data was collected for.

* Total applied less than 50 pounds

Agricultural Chemical Usage

2006 Swine & Swine Facilities

By Adam W. Pike

The following chemical use data is the most recent data available.

The agricultural chemical use estimates in this report are based on data compiled from a survey conducted in the summer of 2006 in 17 Program States, which contain approximately 94 percent of the U.S. hog inventory. The Program States are the 17 States published individually in the *Quarterly Hogs and Pigs* report: Arkansas, Colorado, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Carolina, Ohio, Oklahoma, **Pennsylvania**, South Dakota, Texas, and Wisconsin. This report provides insecticide use information on the swine sector of agriculture. All data refer to the on-farm use of active ingredients contained in insecticides applied during the 2005 calendar year.

Highlights:

Swine: Agricultural producers applied 22,856 pounds of insecticides to hogs and pigs in the 17 Program States in 2005. Phosmet, at 12,154 pounds, was the top active ingredient used on swine with respect to total quantity used, followed by Malathion at 5,415 pounds, and Tetrachlorvinphos (Z-isomer) at 3,224 pounds. These three active ingredients accounted for 91 percent of the total pounds of active ingredients applied to swine in the 17 Program States in 2005. Of the total chemical applications made to swine in 2005 in the 17 Program States, 45 percent were applied by spray, 25 percent by injection, 10 percent through feed additives, 15 percent as pour-on, and 2 percent by dust bag. All other methods accounted for the remaining 3 percent of the chemical applications. Of the total chemical applications made to swine in 2005 in the 17 Program States, 53 percent were for mange/mites, 27 percent for lice, and 10 percent for flies. All other pests accounted for the remaining 10 percent.

Phosmet – Prolate / Lintox-HD, Prolate 1-E

Malathion – Malathion ULV 9.7lbs. (95%), Malathion 5 Dust, Malathion 8E, Malathion 5 EC (57%), 4% Malathion Powder Insecticide

Tetrachlorvinphos (Z-isomer) – Rabon 50 WP, Rabon 3 Livestock Dust, Ravap Livestock Spray EC, Rabon 7.76 Oral Larvacide Premix

Swine Facilities: In the 17 Program States, a total of 12,925 pounds of insecticides were applied to hog and pig facilities in 2005. Malathion had the highest quantity used at 4,073 pounds. Cyfluthrin had the second highest quantity used at 2,361 pounds followed by Imidacloprid at 1,753 pounds. Of the total chemical applications to hog facilities in the 17 Program States in 2005, 75 percent were applied to total confinement buildings, 13 percent to open buildings with no outside access, and 10 percent to open buildings with outside access. All other buildings accounted for 2 percent of the chemical applications.

Malathion (previously mentioned)

Cyfluthrin – Countdown WP Premise Insecticide, Countdown EC Premise, CyLence Pour-On, Duraplex TR, Tempo (1%) Dust, Tempo 2, Tempo 20 WP Demon EC, Viper Insecticide Concentrate

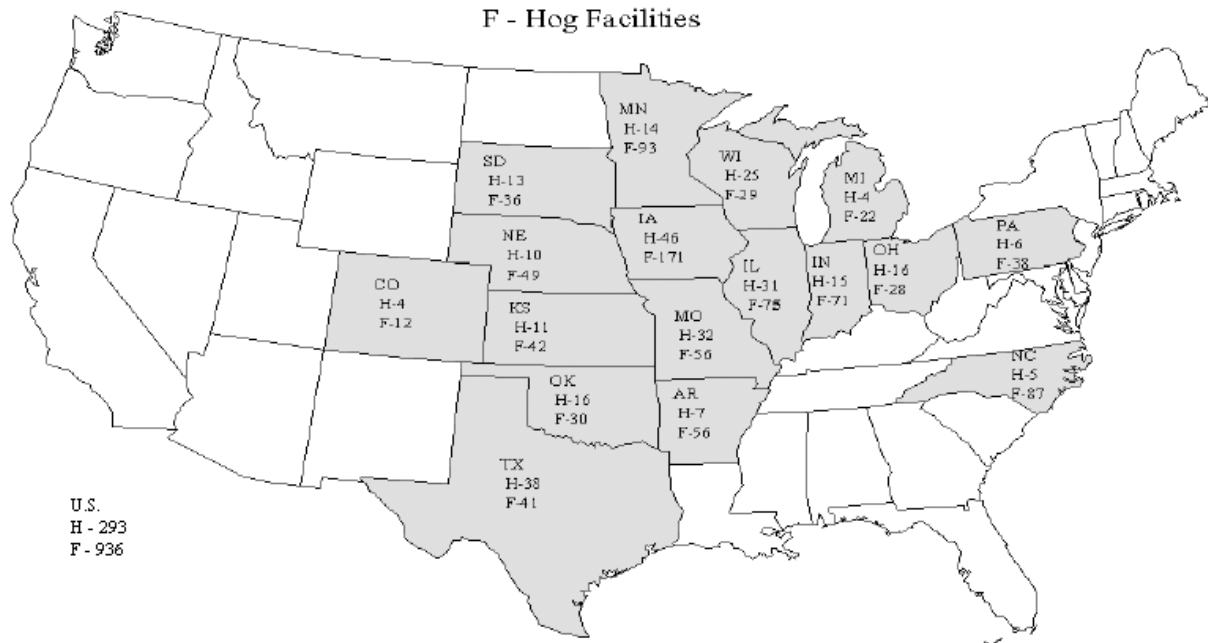
Imidacloprid – QuickBayt Fly Bait

In the 17 States surveyed, there were 293 reports summarized for chemicals applied directly to the swine and 936 reports summarized for chemicals applied to swine facilities.

Number of Positive Usable Swine and Swine Facilities Chemical Use Reports

H - Hogs and Pigs

F - Hog Facilities



All Swine: Agricultural Chemical Applications, All Program States, 2005

Agricultural chemicals	Rate per application	Rate per market year	Total applied
	(grams per head)	(grams per head)	(pounds)
Insecticides:			
Amitraz	0.751	2.344	637
Carbaryl	*	*	*
Coumaphos	*	*	*
Cyfluthrin	*	*	*
Dichlorvos	*	*	*
Dormectin	0.012	0.013	6
Ivemectin	0.027	0.034	81
Malathion	6.192	22.537	5,415
Methomyl	*	*	*
Permethrin	0.401	1.184	929
Phosmet	1.961	5.026	12,154
Piperonyl butoxide	0.037	0.426	162
Pyrethrins	0.005	0.057	20
Sulfur	*	*	*
Tetrachlorvinphos (Z-isomer)	0.262	1.512	3,224
Tricosene	*	*	*
Total Insecticides	NA	NA	22,856

Table represents only those states data was collected for. * Insufficient number of reports to publish data.

All Swine Facilities: Agricultural Chemical Applications, All Program States, 2005

Agricultural chemicals	Total applied
	(pounds)
Insecticides:	
Abamectin	*
Acephate	*
Butoxypolypylene glycol	*
Carbaryl	41
Chlorpyrifos	*
Coumaphos	*
Cyfluthrin	2,361
Cypermethrin	*
Diazinon	1,702
Dichlorvos	128
Dioxathion	*
Doramectin	*
Fenvalerate	*
Imidacloprid	1.753
Lambda-cyhalothrin	5
Malathion	4,073
Methomyl	435
Naled	*
Octacide-264	*
Permethrin	910
Phosmet	102
Piperonyl butoxide	528
Pyrethrins	81
Pyriproxyfen	*
Tetrachlorvinphos (Z-isomer)	101
Tetramethrin	1
Tricosene	370
Total Insecticides	12,925

Table represents only those states data was collected for. * Insufficient number of reports to publish data.

Agricultural Safety: 2009 Injuries to Youth on Farms

Injuries to Youth on Farms in the United States, 2001, 2004, 2006, and 2009

In 2009, there were an estimated 2,200,010 farms in the United States, an increase of 2 percent from 2001. Agriculture-related injuries to youth under 20 years of age on United States farms have decreased from 13.5 injuries per 1,000 farms in 2001 to 7.2 injuries per 1,000 farms in 2009. In 2009, there were 15,876 injuries to youth who lived on, worked on, or visited a farm in the United States compared to 29,277 in 2001, 27,591 in 2004, and 22,894 injuries in 2006.

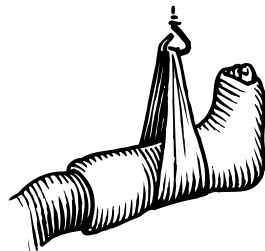
These findings are based on a series of telephone surveys of farms conducted for the National Institute for Occupational Safety and Health (NIOSH). Farm operators were asked questions about injuries to youth less than 20 years of age that occurred on their farms in four separate surveys covering the years 2001, 2004, 2006, and 2009. An injury was defined as any condition occurring on the farm operation resulting in at least 4 hours of restricted activity or requiring professional medical attention.

For all four survey years, male youth incurred most of these injuries: 57 percent in 2001, 52 percent in 2004, 67 percent in 2006, and 58 percent in 2009. Youth 10 to 15 years old incurred the highest number of injuries in all four years: 13,368 injuries in 2001, 10,480 injuries in 2004, 10,158 injuries in 2006, and 6,912 injuries in 2009. Youth less than 10 years of age were injured in 9,698 events in 2001, 9,060 events in 2004, 6,435 events in 2006, and 4,111 events in 2009. Youth aged 16 to 19 years incurred 5,976 injuries in 2001, 7,722 injuries in 2004, 6,048 injuries in 2006, and 4,148 in 2009. Youth living on the farm operation (household youth) incurred 22,144 injuries in 2001, 18,801 injuries in 2004, 11,654 injuries in 2006, and 7,715 injuries in 2009.

Injuries to males accounted for 54 percent of all household youth injuries in 2001, 53 percent in 2004, 66 percent in 2006, and 58 percent in 2009. Most injured household youth were 10 to 15 years of age. Youth in this age range incurred 10,836 injuries (49 percent) in 2001, 7,273 injuries (39 percent) in 2004, 5,790 injuries (50 percent) in 2006, and 3,594 (47 percent) in 2009. In 2001, 6,644 injuries (30 percent) to youth living on the farm were work-related, while 6,384 injuries (34 percent) were work-related in 2004, 3,601 injuries (31 percent) were work-related in 2006, and 2,585 injuries (34 percent) were work-related in 2009.

In each survey year, work-related injuries to hired and working household youth contributed to approximately a quarter of childhood injuries occurring on these farm operations. In 2001, 8,588 injuries (29 percent) were work-related while 6,965 injuries (25 percent) were work-related in 2004, 4,964 injuries (22 percent) were work-related in 2006, and 3,191 injuries (20 percent) were work-related in 2009. In 2006 and 2009, over 70 percent of these work-related injuries occurred to male youth, compared to 62 percent in 2001 and 59 percent in 2004. In 2001, 2004, and 2006, most work-related injuries were to youth 16 to 19 years of age; 49 percent in 2001, 50 percent in 2004, and 54 percent in 2006. In 2009, approximately 42 percent of work-related injuries were to youth 10 to 15 years of age and 42 percent were to youth 16 to 19 years of age.

NIOSH sponsored this survey to better understand the magnitude and scope of agricultural-related injuries to youth on United States farms. The survey was conducted as part of the NIOSH Childhood Agricultural Injury Prevention Initiative. For further information, contact Kitty Hendricks, NIOSH, at (304) 285-6252 or Scott Cox, at USDA/NASS (202) 720-4028.



Estimates of Agricultural-Related Injuries to Youth Under 20 Years of Age On Farms – United States: 2001, 2004, 2006, and 2009

Year	Working and non-working youth					
	In-business Farms ¹	Total youth ²	Total youth per farm	Total injuries ³	Injuries per 1,000 youth	Injuries per 1,000 farms
	(number)	(number)	(number)	(number)	(number)	(number)
2001.....	2,157,780	37,148,468	17.2	29,227	0.8	13.5
2004.....	2,112,280	31,226,560	14.8	27,591	0.9	13.1
2006.....	2,089,790	30,747,431	14.7	22,894	0.7	11.0
2009.....	2,200,010	27,646,594	12.6	15,876	0.6	7.2

Year	Working youth					
	Working youth ⁴	Working youth per farm	Work injuries	Work injuries per 1,000 working youth	Working injuries per 1,000 farms	
	(number)	(number)	(number)	(number)	(number)	
2001.....	1,150,324	0.5	8,588	7.5	4.0	
2004.....	1,036,084	0.5	6,965	6.7	3.3	
2006.....	897,231	0.4	4,964	5.5	2.4	
2009.....	748,938	0.3	3,191	4.3	1.5	

¹ Estimated number of farms still in business based on the farm operator youth farm injury study.

² Total youth population on farms, including hired youth, visitors and relatives, whether working or non-working.

³ Includes work-related and non-work-related injuries.

⁴ Hired youth and working household youth.

Estimates of Agricultural-Related Injuries to Youth Under 20 Years of Age Living On Farms – United States: 2001, 2004, 2006, and 2009

Year	Working and non-working household youth					
	In-business Farms ¹	Total household youth ²	Total household youth per farm	Total injuries to household youth ³	Injuries per 1,000 household youth	Injuries per 1,000 farms
	(number)	(number)	(number)	(number)	(number)	(number)
2001.....	2,157,780	1,352,948	0.6	22,144	16.4	10.3
2004.....	2,112,280	1,256,989	0.6	18,801	15.0	8.9
2006.....	2,089,790	1,121,392	0.5	11,654	10.4	5.6
2009.....	2,200,010	1,033,803	0.5	7,715	7.5	3.5

Year	Working household youth					
	Working household youth	Working youth per farm	Work injuries to household youth	Work injuries per 1,000 working household youth	Work injuries to working household youth per 1,000 farms	
	(number)	(number)	(number)	(number)	(number)	
2001.....	725,007	0.3	6,644	9.2	3.1	
2004.....	698,773	0.3	6,384	9.1	3.0	
2006.....	590,497	0.3	3,601	6.1	1.7	
2009.....	518,551	0.2	2,585	5.0	1.2	

¹ Estimated number of farms still in business based on the youth farm injury study.

² Total youth population living on farms, whether working or non-working.

³ Includes work-related and non-work-related injuries.

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

As a follow-on to the 2007 Census of Agriculture, the National Agricultural Statistics Service (NASS) conducted the U.S. Department of Agriculture's first in-depth survey of organic farming in the United States. NASS collected 2008 data from operators of farms that were either USDA certified organic, were making the transition to organic production, or were exempt from certification because of sales totaling less than \$5,000. Numbers in this report do not include farms that were

not USDA certified or exempt, even if those farms were following USDA's National Organic Program standards.

The 2008 Organic Production Survey counted 14,540 organic farms and ranches in the United States, comprising 4.1 million acres of land. Of those farms, 10,903 were USDA certified and 3,637 were exempt from certification.

Organic farms in Pennsylvania: In 2008, there were 586 farms in Pennsylvania that were certified and exempt organic.

\$91,965 average for Pennsylvania farms overall, as reported in the 2007 Census of Agriculture.

Organic Farms – Top States

- | | |
|--------------------------|---------------------------------|
| 1. California with 2,714 | 6. Pennsylvania with 586 |
| 2. Wisconsin with 1,222 | 7. Minnesota with 550 |
| 3. Washington with 887 | 8. Ohio with 547 |
| 4. New York with 827 | 9. Iowa with 518 |
| 5. Oregon with 657 | 10. Vermont with 467 |

Organic Sales in Pennsylvania: In 2008, Pennsylvania certified and exempt organic farms had \$212.7 million in total sales – \$126.5 million in crop sales and \$86.2 million in sales of livestock, poultry and their products. Pennsylvania organic farms had average annual sales of \$363,036, compared to the

Organic Sales – Top States

State	2008 Organic Sales (dollars)	% of Total Organic Sales (percent)
California	1,148,650,000	36.3
Washington	281,970,000	8.9
Pennsylvania	212,739,000	6.7
Oregon	155,613,000	4.9
Texas	149,328,000	4.7
Wisconsin	132,764,000	4.2
New York	105,133,000	3.3
Vermont	72,857,000	2.3
Iowa	71,545,000	2.3
Idaho	71,250,000	2.3

Pennsylvania and United States: Organic Sales – Top Categories

Category	PA 2008 Organic Sales (dollars)	U.S. 2008 Organic Sales (dollars)	PA % of Total Organic Sales (percent)	U.S. % of Total Organic Sales (percent)
Floriculture/Bedding ¹	101,519,399	179,657,000	47.7	5.7
Livestock Products	65,391,000	906,207,000	30.7	28.7
Livestock	20,790,000	316,470,000	9.8	10.0
Vegetables	14,148,101	689,992,000	6.7	21.9
Field Crops	9,611,832	526,780,000	4.5	16.7
Fruits and Tree Nuts	724,220	444,747,000	0.3	14.1
Berries	554,448	83,233,000	0.3	2.6

¹ Organic floriculture and bedding plants, food crops grown under protection, mushrooms and propagative materials.

Pennsylvania: Primary Production Challenges for Certified and Exempt Organic Farms, 2008

Data includes only positive responses.

Challenge	Farms (number)	Percent of farms (percent)
Regulatory problems	213	42.3
Production problems	92	18.3
Management issues	74	14.7
Price issues	45	8.9
Market access	43	8.5
Other	37	7.3

Production Practices: Farmers and ranchers reported using a variety of conservation and environmental practices on their certified or exempt operations in 2008. Among the most

popular were the use of green or animal manures and the planting of buffer strips.

Pennsylvania and United States: Production Practices, 2008

Production Practice	PA Number of Farms	U.S. Number of Farms	PA % of Farms	U.S. % of Farms
	(number)	(number)	(percent)	(percent)
Green or Animal Manures	448	9,454	76.5	65.0
Buffer Strips	373	8,423	63.7	57.9
Water Management Practices	245	7,372	41.8	50.7
Organic Mulch or Compost	231	7,454	39.4	51.3
Select Planting Locations to Avoid Pests	217	5,133	37.0	35.3
Pest-Resistant Varieties	217	4,760	37.0	32.7
Planting to Avoid Cross-Contamination	213	3,768	36.3	25.9
No-Till or Minimum-Till	180	5,542	30.7	38.1
Biological Pest Management	178	4,474	30.4	30.8
Beneficial Insect/Vertebrate Habitat	154	4,619	26.3	31.8
Released Beneficial Organisms	92	2,388	15.7	16.4

Production Expenses: Pennsylvania certified and exempt organic farms incurred production expenses totaling \$169.1 million – or an average of \$293.131 per farm - in 2008. This is higher than the \$77,721 average for all farms in Pennsylvania, as reported in the 2007 Census of Agriculture.

The largest expenses were labor, at \$44.6 million, and feed purchases, at \$35.8 million. Other significant expenses were fertilizer, lime and soil conditioners; and repairs, supplies and maintenance.



Average production expenditures are higher for Pennsylvania organic farms (\$293,131) than for all farms in Pennsylvania (\$77,721).

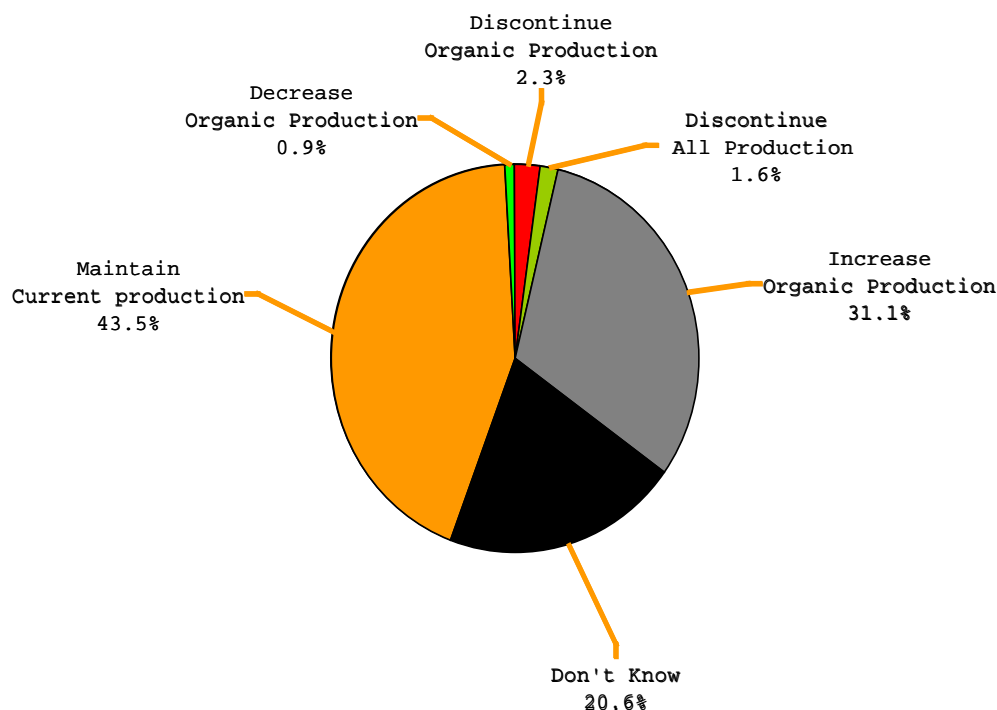
Marketing Outlets

Nearly 94 percent of Pennsylvania organic sales in 2008 were to wholesale markets, primarily distributors, wholesalers, brokers or re-packers (62.1 percent) and processors, millers or packers (14.8 percent). Director-to-retail sales comprised just 1.8 percent of 2008 organic sales. The remaining 4.5 percent of 2008 organic sales were direct to consumers, including 2.7 percent on-site (e.g. farm stands and you-pick operations), 0.7 percent via farmers' markets and 0.5 percent via community-supported agriculture arrangements.

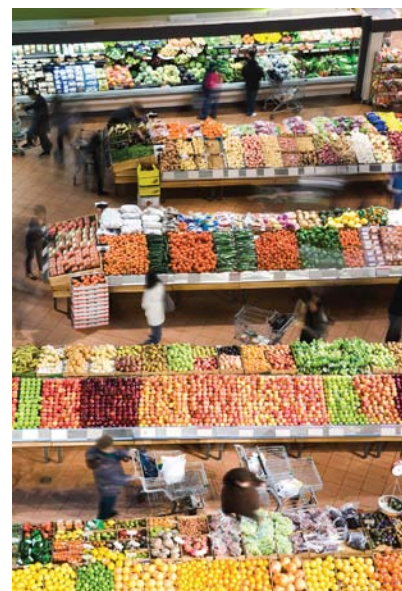
Most producers sold their organic products locally. More than 61 percent reported selling within 100 miles of the farm, while 28 percent reported selling regionally (more than 100 miles but less than 500 miles from the farm). Another 11 percent reported selling nationally (500 or more miles from the farm), or internationally.

Producers' 5-Year Plans

Organic production is poised to grow over the next five years, with more than 74 percent of certified and exempt producers indicating that they plan to maintain or increase organic production levels.



2008 Organic Production Survey



For more information:

www.nass.usda.gov

www.agcensus.usda.gov

Agricultural Statistics Hotline
(800) 727-9540

Farm and Ranch Irrigation

For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

Irrigated Acreage in Pennsylvania Down from 2003:

There were 1,090 farms with 17,359 acres being irrigated in Pennsylvania with a total of 13,000 acre-feet of water on all acres irrigated during 2008 down from 1,589 farms and 19,633 acres in 2003.

Producers report irrigating corn, corn for silage/greenchop, soybeans, alfalfa and alfalfa mixtures, all other hay, and tobacco. They also report irrigating land in vegetables, including sweet corn, tomatoes, lettuce, potatoes, and land in orchards.

Eighty-four farms report irrigating 384 acres with gravity systems while 394 farms report using a sprinkler system on 10,710 acres. Drip, trickle or low-flow micro sprinklers are being used on 770 farms for a total of 6,671 acres.

In Pennsylvania, a total of 562 farms report 880 wells capable of being used, of which 786 are being utilized. The average depth reported on those wells is 214 feet, with an average of 82 feet to water depth, 175 feet to the depth of the bowels, and an average of 123 gpm

pumping capacity. The average operating pressure reported was 33 psi with an average engine size of 16 hp operating at an average of 387 hours.

Total energy expenses were reported at \$772,000 to power 1,378 pumps on 908 farms in Pennsylvania. This breaks down to be \$59.98 per acre for water from wells and \$50.46 per acre for surface water irrigation.

The Farm and Ranch Irrigation Survey is conducted every five years as a supplement to the Census of Agriculture that expands upon the basic irrigation data collected in the 2007 Census of Agriculture. In the publication NASS provides details on acres and yield of irrigated crops, quantity of water applied, method of water application, irrigation expenditures and other data on farm and ranch irrigation. In 2008, for the first time ever NASS included all horticultural specialty farms in the survey. The irrigation information for these operations has been published separately. For more information about the Farm and Ranch Irrigation Survey, visit www.agcensus.usda.gov.



For more detailed data, see the Census of Agriculture found at www.agcensus.usda.gov

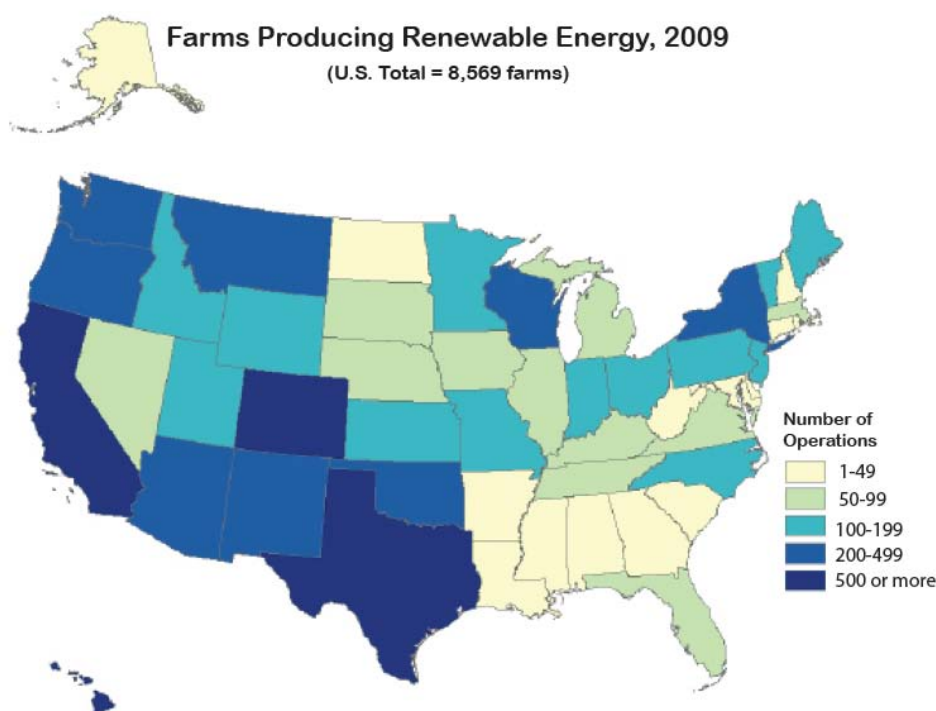
The 2009 On-Farm Renewable Energy Production Survey (OREPS) was the first energy survey conducted. Conducted as a follow-on to the most recent Census of Agriculture, the 2009 On-Farm Renewable Energy Production Survey focused on three principal renewable energy systems: solar panels, wind turbines and methane digesters. The survey expanded upon the energy questions asked in the census to provide a deeper analysis of American on-farm renewable energy production practices. Highlights include data such as producers on 8,569 farms in the United States reported producing renewable energy on their operations in 2009 and farmers whose operations produced on-farm energy saved an average of \$2,406 on their utility bills in 2009. Full results of the 2009 On-Farm Renewable Energy Production Survey are available online at www.agcensus.usda.gov.

On the state level, California leads the nation with 1,956 operations producing renewable energy, accounting for nearly a quarter of all operations in the United States participating in this practice. Texas, Hawaii and Colorado were the other major states where farmers on at least 500 operations were producing their own renewable energy. The survey results also show an economic upside to producing energy on the farm. Farmers in nearly every state reported savings on their utility bills. The savings were especially noticeable in New York, where utility bill savings reported by respondents topped \$5,000 for 2009. The survey results show increasing participation in on-farm energy production over the years. During the last five years, from 2005 to 2009, 72 percent of the digesters, 50 percent of the small wind turbines and 63 percent of the solar panels currently in use were installed.

All farms that reported using **methane digesters** on the 2007 Census of Agriculture, plus all farms included on the Environmental Protection Agency's (EPA) AgSTAR list, were included in the survey to ensure better coverage of this small, but growing industry. Across the country, 121 farms reported owning and operating 140 methane digesters in 2009. On average, each digester produced just over 30.5 million cubic feet of methane during 2009. The average installation cost of a methane digester was \$1.7 million. The states with the largest number of digesters were Wisconsin (25), New York (16), Pennsylvania (16), and California (14).

In 2009, there were 7,968 farms using **solar panels** to generate energy in the United States. Of those, 91 percent had photovoltaic (PV) and 23 percent had thermal solar panels. The average generating capacity of photovoltaic panels was 4,449 watts with an average installation cost of \$31,947 per farm for all panel types. On-farm energy production using solar panels was reported in all 50 states. The number of farms using solar panels in each state ranged from four farms in Delaware to 1,906 farms in California. Farmers who reported using solar panels were primarily in the western United States.

According to the survey results, in 2009 there were 1,420 operations reporting 1,845 **wind turbines** that were owned and operated by farmers and ranchers. The survey excluded commercial turbines located on farms under wind rights lease agreements.



Farms Reporting Energy Savings, Energy Audits, and/or Federal Funding, 2009

[Only operations that reported wind turbines, methane digesters, and/or solar panels]

State	Total farms reporting wind turbines, digesters, and/or solar panels	Average dollars saved on 2009 utility bills per farm ¹	Performed energy audit (farms)	Received federal funding (farms)
United States	8,569	2,406	613	1,101
Pennsylvania	196	4,534	10	52

¹ Only includes positive reported data. Operations that reported zero or failed to report are not included.

Farms Reporting Methane Digesters, Number of Digesters, Methane Produced, Installation Cost, Percent Funded by Outside Sources, and Year of Installation, 2009

State	Farms	Number of methane digesters	Average per methane digester		Percent of installation cost funded by outside sources ¹	Year methane digesters installed ² (number of digesters)		
			Methane produced ¹ (cubic feet)	Installation cost ¹ (dollars)		Prior to 2000	2000-2004	2005-2009
United States	121	140	30,515,800	1,718,562	48	11	22	86
Pennsylvania	13	16	18,951,843	642,188	58	(D)	(D)	9

¹ Only includes positive reported data. Operations that reported zero or failed to report are not included.

² Numbers may not add to total number of digesters. Only includes operations reporting year installed.

(D) Withheld to avoid disclosing data for individual farms.

Farms Reporting Photovoltaic (PV) and Thermal Solar Panels by Type, Capacity, Installation Cost, Percent Funded by Outside Sources, and Year of Installation, 2009

State	Farms	Farm reporting ¹		Average per farm		Percent of installation cost funded by outside sources ¹	Year solar panels installed ² (number of solar panels)		
		PV solar panels	Thermal solar panels	PV rated generating capacity ¹ (watts)	Installation cost ¹ (dollars)		Prior to 2000	2000-2004	2005-2009
United States	7,968	7,236	1,835	4,449	31,947	44	18,881	45,028	108,532
Pennsylvania	173	160	37	1,750	20,699	44	122	290	2,048

¹ Only includes positive reported data. Operations that reported zero or failed to report are not included.

² Only includes operations reporting year installed.

Farms Reporting Wind Turbines, Capacity, Installation Cost, Percent Funded by Outside Sources, and Year of Installation, 2009

State	Farms	Number of turbines	Average per turbine		Percent of installation cost funded by outside sources ¹	Year wind turbines installed ² (number of turbines)		
			Rating generating capacity ¹ (kilowatts)	Installation cost ¹ (dollars)		Prior to 2000	2000-2004	2005-2009
ALL WIND, TOTAL								
United States	1,420	1,845	(X)	(X)	(X)	(D)	535	(D)
SMALL WIND (1-100kW)								
United States	1,406	1,831	6	12,972	49	356	532	899
Pennsylvania	26	27	3	7,148	(D)	4	4	15
LARGE WIND (>100kW)								
United States	14	14	1,035	1,339,143	39	(D)	3	(D)
Pennsylvania	-	-	-	-	-	-	-	-

¹ Only includes positive reported data. Operations that reported zero or failed to report are not included.

² Numbers may not add to total number of turbines. Only includes operations reporting year installed.

(X) Not Applicable.

(D) Withheld to avoid disclosing data for individual farms.

What is 'Ag Statistics' All About?

**Our mission is to provide timely, accurate and useful statistics
in service to Pennsylvania and U.S. agriculture.**

The Pennsylvania Field Office of the National Agricultural Statistics Service (NASS-PA) is a joint federal/state office of USDA's National Agricultural Statistics Service (NASS) and the Pennsylvania Department of Agriculture (PDA). The office is funded and staffed by both federal and state resources. This cooperative arrangement is much more efficient than operating separate and duplicate federal and state agencies to measure Pennsylvania agriculture. Their mission is to provide timely, accurate and useful statistics in service to Pennsylvania and U.S. agriculture.

USDA's National Agricultural Statistics Service (NASS) is a network of 46 field offices (including the Harrisburg office), serving all 50 states and Puerto Rico through cooperative agreements with state departments of agriculture or universities. These field offices regularly survey thousands of farm operators, ranchers, and agri-businessmen who voluntarily provide information on a confidential basis. Consolidating these reports with field observations, objective yield measurements, and other data, statisticians then produce state statistics. These statistics are forwarded to NASS headquarters in Washington, D.C., where they are combined and released to the public.

The Internet site contains agricultural statistics, an on-line data base, all reports, links to other pertinent sites and even a link targeted to education on agricultural topics. The national website is at www.usda.gov/nass while the Pennsylvania homepage is at www.nass.usda.gov/pa. For more information, contact us via email at nass-pa@nass.usda.gov or call 717-787-3904.

As part of USDA, the federal program includes the Census of Agriculture conducted every five years and an Annual Statistics Program. The Ag Census publishes all agricultural commodities at the state and county level with farm counts by zip code. The Annual Statistics Program provides more timely state level statistics but it is limited to major crop and livestock commodities and fewer data series at the county level. The College of Agriculture at Penn State cooperates with NASS-PA on special studies to measure various aspects of Pennsylvania agriculture, such as economic status, Integrated Pest Management, etc.

As a bureau within PDA, NASS-PA supports special projects as deemed necessary by the Pennsylvania Secretary of Agriculture. PDA makes it possible to publish average custom machinery rates. The state funds most of the county level statistics which expands the county series to include: corn for grain and silage, wheat, dry alfalfa hay, dry other hay, dry all hay, all hay forage, barley, oats, soybeans, tobacco, potatoes, apples, peaches, milk production, milk cows, cattle, sheep, hogs, broilers, number of farms and cash receipts.

Confidentiality is guaranteed to anyone providing information to NASS-PA regardless if it is acting in the federal or state capacity. According to federal law, the mail list can never be given or sold to any other entity, public or private (this includes other government agencies). Individual data is exempt from requests under the Freedom of Information Act and exempt from subpoena. Data is only published at an aggregate level so that no one can derive information about any single operation.

Annual Statistics Program - About 400 national reports are issued by NASS every year through the *Agricultural Statistics Board*. These national reports are complemented by about 125 state reports. Each report is released on a fixed schedule according to an annual calendar of release dates. Strict security measures are maintained to ensure that no one gains premature access to the information. The reports provide broad coverage of agriculture, including more than 165 crop and livestock items.

The annual cycle of crop reports begins with projections of the acreage that farmers intend to plant, and continues with reports of acreage planted, acreage intended for harvest, probable yields, and potential production. Final reports of acreage harvested, actual yields, and production are made at the end of the crop production season.

Livestock inventory numbers are published annually or semiannually. Details on hog production, cattle on feed, and the production of eggs, milk, and meat are issued in monthly and quarterly reports. Reports on breeding, farrowings, chick and poult placements, and calf and lamb crops provide indications of prospective market supplies. Measurements of manufactured dairy products and the cold storage holdings of agricultural commodities are also published regularly.

NASS also collects and publishes statistics on a variety of additional subjects pertaining to agriculture as part of the Annual Statistics Program. These include number and sizes of farms, farm labor and wage rates, prices received and paid by farmers, grain stocks, greenhouse & nursery production, fruits & vegetables, fertilizer & pesticide usage, mushrooms, mink, trout, plus many other commodities grown or raised in specialized areas of the country, as well as weekly weather and crop bulletins.

Census of Agriculture - The national Census of Agriculture is conducted every 5 years. In some ways it resembles the population census with which most Americans are familiar, because the Census of Agriculture attempts to produce a complete quantification of all agricultural items and activities nationwide, just as the population census attempts to count and collect data about every man, woman, and child.

For more than 150 years, the U.S. Department of Commerce, Bureau of the Census, conducted the Census of Agriculture. However, the 1997 Appropriations Act transferred the responsibility from the Bureau of the Census to the U.S. Department of Agriculture (USDA), National Agricultural Statistics Service (NASS). The 1997 Census of Agriculture was the first census conducted by USDA and NASS.

The census of agriculture is the leading source of statistics about the Nation's agricultural production and an important source of consistent, comparable data at the county, State, and national levels. Census statistics are used by Congress to develop and change farm programs, study historical trends, assess current conditions, and plan for the future. Many national and State programs use census data to design and allocate funding for extension service projects, agricultural research, soil conservation programs, and land-grant colleges and universities. Private industry uses census statistics to provide a more effective production and distribution system for the agricultural community.

In keeping with the provisions of Title 7 of the United States Code, no data are published that would disclose the operations of an individual farm. However, the number of farms reporting an item is not considered a release of confidential information and is provided even though other information may be withheld. This allows farm counts to be published by zip code.

The Census of Agriculture is published in various forms including: national, state & county level data; state & county rankings; agricultural atlas; zip code tabulations; and congressional district tabulations & rankings. Special studies that are also part of the census program include the Farm and Ranch Irrigation Survey, the Census of Horticultural Specialties and the Census of Aquaculture.

Where can I get more statistics or economic analysis?

National Agricultural Statistics Service (NASS) publications include weekly, monthly, quarterly and annual estimates of production, stocks, inventories, disposition, utilization and prices of agricultural commodities and other items. The Census of Agriculture is published every 5 years covering all commodities by state, county and zip code. Other census reports include the Agricultural Atlas, Agricultural Economics & Land Ownership, Aquaculture, Census History, Congressional Tabulations, Farm & Ranch Irrigation, Horticulture Specialties and Outlying Areas.

Economic Research Service (ERS) situation and outlook reports and periodicals analyze the current situation and forecast market conditions. ERS monographs offer economic analysis in the area of trade, production, rural development, farm inputs and other topics.

The World Agricultural Outlook Board (WAOB) issues regular forecasts of U.S. and world supply and demand prospects for major agricultural commodities.

How can I get National publications from NASS & ERS for all states?

- ◆ **To Subscribe via the Internet**, see www.nass.usda.gov and scroll down to "Receive reports by Email." Click on National or State reports.
- ◆ **For Free E-mail Subscriptions** send a message to usda-reports@usda.mannlib.cornell.edu and type lists in the message (not the subject).
- ◆ **For a Free Catalog of Products and Services call 1-800-999-6779**. The NASS and ERS catalogs list all products and services available from each agency. The NASS catalog includes a calendar of publication dates for agricultural statistics reports throughout the year.

How can I get State publications from NASS field offices?

- ◆ **To Subscribe via the Internet**, see www.nass.usda.gov and scroll down to "Receive reports by Email." Click on National or State reports.
- ◆ **For Free E-mail Subscriptions** send a message to listserv@newsbox.usda.gov and in the body of the message (not the subject) type **subscribe usda-pa-all-reports your name** (insert your name where indicated).
- ◆ **For Paper Subscriptions** use the order form in this book; see 'Pennsylvania Reports' for details. For other states, call 1-800-727-9540 for the other 45 field offices in states outside Pennsylvania.

Sources of Agricultural Information in USDA

	USDA/NASS	USDA/ERS	USDA/WAOB
Customer Service:	800-727-9540	202-694-5050	202-720-5447
Address:	Rm 5805 South Building 1400 Independence Ave., SW Washington, D.C. 20250-2000	1800 M Street, NW Room N 3050 Washington, D.C. 20036-5831	Rm 4419 South Building 1400 Independence Ave., SW Washington, D.C. 20250
FAX:	202-690-2090 Fax to retrieve data: 202-720-2000	202-694-5689 Fax to retrieve data: 202-694-5700	202-720-4043
E-mail:	nass@nass.usda.gov (Washington, DC) nass-pa@nass.usda.gov (Pennsylvania) nass-xx@nass.usda.gov (xx is the state abbreviation)	service@ers.usda.gov	bchapin@oce.usda.gov 202-720-5447
Internet:	www.nass.usda.gov	www.ers.usda.gov	www.usda.gov/oce/commodity/
National specialists are available to answer your questions by phone or E-mail. See these Internet sites for telephone numbers and E-mail addresses:			
	Statistics from USDA, NASS Economists in USDA, ERS	www.nass.usda.gov www.ers.usda.gov/AboutERS/Specialists/	
Canadian Ag Statistics:	For Customer Service at the Agriculture Division of Statistics Canada, Phone: 800-263-1136 E-mail: infostats@statcan.gc.ca Internet: www.statcan.gc.ca		

Pennsylvania Reports Available

USDA-NASS, Pennsylvania Field Office - - - Harrisburg, PA

*These reports include Pennsylvania statistics taken from National publications. Although National reports are the most timely source of statistics, Pennsylvania reports may have more local information about crop conditions, etc. Pennsylvania reports are available through e-mail and the Internet at no charge (see 'Need More Information' for details). **Electronic access to these reports is encouraged but paper publications are still FREE to Pennsylvania farmers, agri-businesses, news media, government and educational institutions.** Others must pay a user fee as described below.*

Publication			Annual Subscription Fee
<input type="checkbox"/>	995	PENNSYLVANIA AGRICULTURAL STATISTICS SUMMARY -- issued annually during the fall. Contains county data for major agricultural items.	ONLY AVAILABLE ONLINE AT THIS TIME
<input type="checkbox"/>	986	ANNUAL DAIRY PRODUCTS -- issued in June. Summary of dairy products manufactured in Pennsylvania for the previous year.	\$3.00
<input type="checkbox"/>	990	MACHINERY CUSTOM RATES -- issued in March. Shows charges by custom operators for various farming activities for the current year.	\$3.00
<input type="checkbox"/>	985	WEEKLY CROP & WEATHER ROUNDUP -- issued weekly April-November. Covers weather conditions, crop planting progress, crop development and harvesting progress.	\$15.00
Remember these reports are <u>free</u> to farmers, agri-businesses, news media, government and educational institutions !			Total \$ _____

How to order:

- **Call our toll-free telephone number at 1-800-498-1518**
 - **Visit us online at www.nass.usda.gov/pa/**
 - **Mail (address below) or fax (1-800-498-1548) this form to our office.**
- (Please include your check or money order payable to USDA/NASS)**

Mail form to: *USDA/NASS-PA Field Office
4050 Crums Mill Road, Suite 203
Harrisburg, PA 17112-2875*

Company or personal name _____

Additional address/attention line _____

Street address _____

City _____ State _____

Telephone () _____ Zip Code _____

National Reports Available

National Agricultural Statistics Service, USDA - - - Washington, D.C.

These reports include all states. Although National reports are available through E-mail and the Internet at no charge, paper reports are still available for a fee. For details, see the section named 'Need More Information' (page 153).

NASS Reports Arranged by Title ¹

<ul style="list-style-type: none"> • Acreage • Adult Agricultural Related Injuries • Agricultural Cash Rents • Agricultural Chemical Usage • Agricultural Land Values & Cash Rents • Agricultural Prices • Agricultural Safety • Broiler Hatchery • Capacity of Refrigerated Warehouses • Catfish Feed Deliveries • Catfish Losses to Wildlife • Catfish Processing • Catfish Production • Cattle • Cattle on Feed • Cattle Death Loss • Census of Agriculture • Cherry Production • Chickens and Eggs • Childhood Agricultural Injuries • Citrus Fruits • Cold Storage • Corn, Soybeans & Wheat Sold Through Marketing Contracts • Cotton Ginnings • Cranberries • Crop Production • Crop Progress • Crop Values • Dairy Products • Dairy Products Prices • Egg Products • Equine • Ethanol Co-Products Used Livestock Feed 	<ul style="list-style-type: none"> • Farm Computer Usage & Ownership • Farm Labor • Farm Production Expenditures • Farms, Land in Farms, & Livestock Operations • Farm & Ranch Safety Survey • Floriculture Crops • Fruit & Tree Nuts: Blooming, Harvesting, Marketing Dates • Fruit & Wildlife Damage • Grain Stocks • Hatchery Production • Hogs & Pigs (Quarterly - Monthly) • Honey • Hop Stocks • Land Values & Cash Rents • Layers & Egg Production • Licensed Dairy Herds • Livestock Slaughter • Meat Animals Production, Disposition, & Income • Milk Production • Milk Production, Disposition & Income • Milkfat Prices • Mink • Minnesota Wisconsin Manufacturing Grade Milk • Mushrooms • National Hop Report • Non-Ambulatory Cattle & Calves • Non-Ambulatory Sheep & Goats • Noncitrus Fruits & Nuts Preliminary • Noncitrus Fruits & Nuts • Nursery Crops 	<ul style="list-style-type: none"> • Overview of the U.S. Dairy Industry • Peanut Prices • Peanut Stocks & Processing • Pest Management Practices • Potato Stocks • Potatoes • Poultry - Production & Value • Poultry Slaughter • Price Reactions After USDA Crop Reports • Price Reactions After USDA Livestock Reports • Prospective Plantings • Rice Stocks • Sheep & Goats • Sheep & Goats Death Loss • Small Grains • Trout Production • Turkey Hatchery • Turkeys Raised • U.S. Broiler and Egg Production Cycles • U. S. Broiler Industry Structure • Usual Planting & Harvesting Dates for U.S. Field Crops • Usual Planting & Harvesting Dates for Fresh Market & Processing Vegetables • U.S. Hog Breeding Herd Structure • U.S. Wildlife Damage • U.S. & Canadian Cattle • U.S. & Canadian Hogs and Pigs • Vegetables • Weekly Weather & Crop Bulletin • Winter Wheat Seedings • Wool and Mohair
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¹ See website for report descriptions and release dates at www.nass.usda.gov/Publications/Reports_By_Title/index.asp

NASS Confidentiality Pledge

National Agricultural Statistics Service, USDA - - - Washington, D.C.

1. Names, addresses, and personal identifiers are fully protected by NASS with the force of law.

After data collection, the National Agricultural Statistics Service (NASS) processes the data independent of names and addresses. Original paper questionnaires are kept in a secure area, and then destroyed as prescribed by law. Names, addresses, phone numbers, and other personal identifiers are held securely by NASS and used only to conduct official business. Title 7, U.S. Code, Section 2276 and the Confidential Information Protection and Statistical Efficiency Act prohibit public disclosure of individual information. Personal information, including reported data, is protected from legal subpoena and Freedom of Information Act requests.

2. Only authorized persons working for NASS as employees or sworn agents, who are subject to fines and imprisonment for unauthorized disclosure, can access individual record data and only for approved official purposes.

All information collected by NASS about individuals or operations under a pledge of confidentiality is protected by law. Every person working for or in cooperation with NASS – from the Agency Administrator to the person collecting the information – signs a confidentiality form which states that no confidential reported information will be compromised. This includes sworn agents who are authorized by NASS to provide data collection support or statistical research. Any offender is subject to a jail term (5 years), a fine (\$250,000), or both.

3. Data security is a top priority during preparation of NASS reports.

Official USDA statistics issued by the NASS Agricultural Statistics Board (ASB) are prepared under tight security until public release of the reports at preannounced dates and times. The ASB restricts prerelease access to and communication about survey and census results. In many cases, a locked area with a uniformed guard is employed to prevent premature disclosure of market-sensitive information. NASS official statistics are released to everyone at the same time. Reports are available on the Internet within seconds of the scheduled release.

4. Published statistics from NASS surveys and censuses will not disclose reported data from an individual.

Individual participants in a NASS survey can rest assured that summary data will not be published in a way that would identify them or data for their operation without their written permission. For instance, if only one farm in a county produced a particular crop, then NASS will protect the privacy of that individual farm by combining the data for that crop with reports from other counties to publish only combined totals.

When NASS Collects Data for Other Statistical Purposes:

1. NASS will clearly communicate to participants the survey purpose, the names of any cooperating sponsors, how the data will be used, and the confidentiality protections provided.

Data collection for other agencies under the NASS pledge of confidentiality will afford the same protections described in 1 through 4 above. Data collected for analysis by a sponsoring agency will have all personal identifiers, such as name, address, and telephone number, removed before access by the analyst. Analysts will sign confidentiality statements as sworn NASS agents. Results of the study are released to everyone free of charge. No organization is given ownership of the data, to eliminate the possibility of its having an advantage over others. NASS will not conduct a survey for private, proprietary purposes.

2. Some data collected by NASS are required by law and subject to audit.

Requests for data required by law and subject to audit will clearly indicate that the reports have different confidentiality protections than described earlier since the data may be audited. NASS and the participating authority that conducts the audits will protect individually reported data to the maximum extent provided under the law, and will work directly with reporting entities to resolve discrepancies discovered in the audit process. Summary statistics are provided to the USDA agency responsible for administering the specific programs that rely upon the required data. Program results are released at the discretion of the administering agency without revealing data reported from an individual.

Agricultural Statistics Districts

