



Pennsylvania Agricultural Statistics

2009-2010



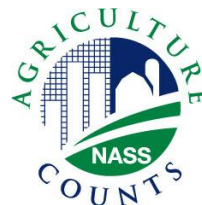
Pennsylvania Agricultural Statistics 2009-2010

Commonwealth of Pennsylvania
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Dr. Cynthia Clark, *Administrator*



Compiled by

**USDA's National Agricultural Statistics Service,
Pennsylvania Field Office**

Kevin G. Pautler, *Director*
Daniel F. Capstick, Jr., *Deputy Director*

4050 Crums Mill Road, Suite 203
Harrisburg, PA 17112-2875
717-787-3904
Fax: 717-782-4011
nass-pa@nass.usda.gov
<http://www.nass.usda.gov/pa/>

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

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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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National Agricultural Statistics Service, PA Field Office

Kevin G. Pautler, Director
Daniel F. Capstick, Jr., Deputy Director

Sherry Deane
Julie Donahoe
Jack Doney, Jr.
Christa Eisenhuth

Sandra Gratson
Tyler Heep
Pamela Kanagy
Diane Keefer

Mark Linstedt
Keith Malzi
Chanda Pearson
Adam Pike

Jillayne Weaber
Jacqueline Weaver
Clarence White
Terri Woodling (Intern)

~ **Bold** denotes State personnel ~

National Association of State Departments of Agriculture enumerators collect data
for the Pennsylvania Field Office of USDA's National Agricultural Statistics Service.

Anita Ashe
Patricia Beaver
Daris Beitzel
Carol Borry
Audrey Bronson
Doris Brown
Cindy Conley
David Crawley
Joyce Culpepper
Mary Curtis
Daniel Datesman
Betty Diggs
Marilyn Dugan
Helen Elliott
Kenneth Estep
Jacquelyn Everitt
Perry Falls
Terri Fisher

Carolyn Gaiski
Joellen Gervel
Phyllis Gross
Dawn Grove
Ann Harshbarger
Joseph Hassinger
Sandra Hayes
Michael Hollabaugh
Janet Hortert
Dorothy Houtz
Kevin Howe
Sharon Hunter
Carl Huth
Willetta Huth
Thomas Kerr
Douglas Kogel
Mary Lambert
Franklin Law



M. Anne Law
Alyce Marshall
John Martin
Dorothy Maynard
Lynn McDonald
Frederick Miller
Linda Miller
Paul Miller
Ardeth Minor
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David Reed
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Johanna Sheppard
Marianna Sokol
Susan Sprenkle
James Stevens
Elsie Tagg
Kathryn Thomas
Mary Thompson
Luke Vande Mark
Robert Waters
Judith White
Janet Whited
Janet Willier
James Wood
Gene Ann Woodruff

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4050 Crums Mill Rd, Suite 203 • Harrisburg, PA 17112
(717) 787-3904 • (717) 782-4011 FAX • www.nass.usda.gov

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County and State Ag Statistics

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- > Revisions to statistics printed in this book
- > More recent information
- > Historical statistics as early as the 1840 Ag Census and 1866 annual data

The NASS Internet site allows downloading of these data in various electronic formats. This allows you to perform additional analysis or charts and maps on your computer.

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.
- 2) **“Data and Statistics”** button allows you to view and download annual, monthly, quarterly statistics for any state, but these data are limited to only the major agricultural commodities in that state.
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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' 2009

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	60,000	45,000	75.0 bu.	3,375	1,000 48 lb/bu	2.80 bu.	9,450,000
Corn, for grain	1,350,000	920,000	143.0 bu.	131,560	1,000 56 lb/bu	3.85 bu.	506,506,000
Corn, for silage	---	420,000	19.5 tons	8,190	1,000 tons	33.50 ton	274,365,000
Dry hay, alfalfa	---	500,000	2.90 tons	1,450	1,000 tons	153.00 ton	221,850,000
Dry hay, other	---	1,050,000	2.10 tons	2,205	1,000 tons	127.00 ton	280,035,000
Dry hay, all	---	1,550,000	2.36 tons	3,655	1,000 tons	133.00 ton	501,885,000
Forage, alfalfa (dry equivalent) ⁵	---	685,000	3.92 tons	2,687	1,000 tons	---	---
Forage, all (dry equivalent) ⁴	---	1,800,000	2.89 tons	5,207	1,000 tons	127.81	665,531,000
Haylage and greenchop, alfalfa ³	---	325,000	7.70 tons	2,503	1,000 tons	---	---
Haylage and greenchop, all ²	---	450,000	6.98 tons	3,141	1,000 tons	52.10	163,646,000
Maple syrup	---	---	0.198 gallon	92	1,000 gal	38.10	3,505,000
Mushrooms, agaricus, 2009-10	---	---	---	501,228	1,000 lbs	.876 lb.	438,999,000
Oats	110,000	80,000	61.0 bu.	4,880	1,000 32 lb/bu	2.80 bu.	13,664,000
Potatoes	10,000	9,500	310 cwt.	2,945	1,000 cwt	12.70 cwt.	37,401,500
Sorghum, for grain ⁶	---	---	---	---	---	---	---
Sorghum, for silage ⁶	---	---	---	---	---	---	---
Soybeans	450,000	445,000	46.0	20,470	1,000 60 lb/bu	9.35 bu.	191,395,000
Tobacco, all	---	8,200	2,276	18,660	1,000 lbs	1.674 lb.	31,239,000
Winter wheat	190,000	175,000	56.0 bu.	9,800	1,000 60 lb/bu	4.10 bu.	40,180,000
Vegetables:							
Fresh:							
Cabbage	1,200	1,200	220 cwt.	264	1,000 cwt	18.90 cwt.	4,990,000
Cantaloups	1,000	900	170 cwt.	153	1,000 cwt	28.00 cwt.	4,284,000
Pumpkins	6,700	6,300	130 cwt.	819	1,000 cwt	15.50 cwt.	12,695,000
Strawberries	1,100	1,100	59 cwt.	65	1,000 cwt	208.00 cwt.	13,520,000
Sweet corn	15,400	14,400	68 cwt.	979	1,000 cwt	36.30 cwt.	35,538,000
Tomatoes	2,200	1,700	170 cwt.	289	1,000 cwt	74.10 cwt.	21,415,000
Processing:							
Snap beans	7,200	7,000	3.95 tons	27,660	tons	256.00 ton	7,070,000
Fruit:							
Apples	---	21,000	24,300 lbs.	510.0	mil lbs	0.139 lb.	67,127,000
Cherries, tart	---	600	6,500 lbs.	3.9	mil lbs	0.250 lb.	974,000
Grapes	---	13,600	4.71 tons	64,000	tons	299.00 ton	18,563,000
Peaches	---	4,400	6.34 tons	27,900	tons	1,040.00 ton	28,967,000
Pears	---	800	7.28 tons	5,820	tons	711.00 ton	4,066,000

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. ⁶ Estimates discontinued in 2009.

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	1/1/10	1,620,000 head	---	---	---	432,552,000 ¹
Beef cows	1/1/10	160,000 head	---	71.10	dols per cwt	---
Milk cows	1/1/10	540,000 head	---	1,510	dols per head	---
Milk production	2009	---	10,551 mil lbs	14.40	dols per cwt	1,519,344,000
Hogs, all	12/1/09	1,140,000 head	---	40.00	dols per cwt	171,300,000 ¹
Sheep, all	1/1/10	94,000 head	---	---	---	6,018,000 ¹
Goats, all	1/1/10	59,000 head	---	---	---	---
Poultry:						
Broilers	2009	---	153,500,000 head	0.457	dols per lb	392,837,000
Chickens, excluding broilers	12/1/09	28,049,000 head	---	0.013	dols per lb	616,000
Layers, all	12/1/09	23,298,000 head	---	---	---	---
Egg production	2009	---	6,509 mil eggs	0.674	dols per dozen	365,430,000
Turkeys raised	2009	---	9,000,000 head	0.55	dols per lb	99,990,000
Other:						
Farms, land in	2009	7,750,000 acres	---	---	---	---
Farms, number	2009	63,200 farms	---	---	---	---
Honey produced	2009	---	840,000 lbs	199	cents per lb	1,672,000
Mink pelts	2009	---	57,300	---	---	---
Trout sold	2009	---	1,614,000 lbs	---	---	5,149,000

¹ Gross income.

Historical Statistics & Rankings

By Sandra F. Gratson

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 80	1888 2009	Bu.	70 17.5	1985 1890	44,165 4,480	1918 2007
Barley.....	1866	High Low	245 7	1955 1915	Bu.	81 16.5	2006 1874	9,900 130	1967 1914
Soybeans	1924	High Low	445 2	2009 1935	Bu.	46 13	2009 1957	20,470 33	2009 1935
Dry hay, all	1866	High Low	3,300 1,550	1892 2009	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 9.5	1917 2009	Cwt.	310 38	2009 1876	19,662 2,128	1934 2002
Tobacco	1866	High Low	49.0 3.0	1918 1869	Lbs.	2,318 730	2007 1881	72,275 3,390	1918 1867
Mushrooms	1966	High Low	- -	- -	Lbs.	- -	- -	524,587 93,000	2009 1966
Cabbage, fresh	1992	High Low	2.0 1.2	1996 2009	Cwt.	270 90	2007 2001	513 171	1992 2001
Cantaloup, fresh	1992	High Low	1.2 0.9	2003 2009	Cwt.	170 88	2009 2003	156 99	1996 2004
Pumpkins ²	2000	High Low	8.1 6.1	2004 2007	Cwt.	185 100	2008 2003	1,313 732	2005 2007
Snap beans, proc. ...	1918	High Low	13.5 .1	2004 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 1.1	1937 2009	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 2.6	1964 2005
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 2010
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	6,754 1,649	2003 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, 2009

Commodity	PA Ranking	1	2	3	4	5	6	7	8	9	10
Crops											
Corn for grain	16	IA	IL	NE	MN	IN	SD	KS	OH	WI	MO
Corn for silage	4	WI	CA	NY	PA	MN	ID	IA	SD	NE	KS
Winter wheat	28	KS	CO	WA	MT	OK	NE	OH	SD	TX	ID
Oats	6	WI	MN	ND	SD	IA	PA	NY	MI	OH	CA
Barley	9	ND	ID	MT	CO	WY	WA	AZ	MN	PA	MD
Dry hay, all	17	CA	TX	MO	SD	KS	KY	NE	ID	OK	MN
Dry hay, other	10	TX	MO	KY	OK	TN	KS	AR	NE	VA	PA
Dry hay, alfalfa	18	CA	SD	ID	MN	WI	KS	NE	MT	CO	IA
Soybeans for beans	20	IA	IL	MN	IN	NE	MO	OH	SD	KS	AR
Tobacco	7	NC	KY	TN	VA	SC	GA	PA	OH	CT	MA
Potatoes, all	17	ID	WA	WI	CO	OR	MN	ND	MI	ME	CA
Mushrooms, agaricus	1	PA	CA	WA	-	-	-	-	-	-	-
Fruit											
Apples	4	WA	NY	MI	PA	CA	VA	OR	OH	NC	WV
Cherries, tart	6	MI	UT	WA	WI	NY	PA	OR	-	-	-
Grapes	5	CA	WA	NY	MI	PA	OR	VA	OH	NC	GA
Peaches	5	CA	SC	NJ	GA	PA	MI	WA	CO	ID	IL
Pears	5	WA	CA	OR	NY	PA	MI	-	-	-	-
Vegetables											
Sweet corn, fresh market	9	FL	CA	GA	WA	NJ	NC	CO	MA	PA	NH
Tomatoes, fresh market	13	FL	CA	OH	VA	TN	GA	NC	NJ	MI	AL
Cabbage, fresh market	12	CA	FL	NY	TX	GA	NC	CO	AZ	WI	MI
Cantaloups, fresh market	8	CA	AZ	GA	CO	IN	SC	TX	PA	MD	-
Pumpkins, fresh market	4	IL	CA	OH	PA	NY	MI	-	-	-	-
Snap beans, processing	6	WI	OR	MI	NY	IL	PA	MN	ID	-	-
Strawberries, fresh market	6	CA	FL	OR	NC	WA	PA	WI	MI	NY	OH
Other Commodities											
Maple syrup	7	VT	ME	NY	WI	MI	NH	PA	OH	MA	CT
Christmas trees ¹	4	OR	NC	MI	PA	WI	WA	NY	VA	OH	MN
Floriculture crops, wholesale value	9	CA	FL	MI	NC	TX	OH	NY	NJ	PA	WA
Nursery crops, 2006 gross sales	12	CA	OR	FL	NC	TX	OH	NJ	TN	MI	GA

¹ Data taken from the 2007 Census of Agriculture.

Pennsylvania: Ranking of Counties in Crop Production, 2009

Commodity	1	2	3	4	5	6	7	8	9	10
Wheat	York	Lanc.	Berks	Chester	Adam	Frank.	Cumb.	Lehigh	Lebanon	Colum.
Corn for grain	Lanc.	York	Lebanon	Frank.	North'd	Chester	Mercer	Cumb.	Lehigh	Craw.
Corn for silage	Lanc.	Frank.	Berks	Lebanon	Blair	Cumb.	Brad.	Centre	Bedfd.	Somer.
Oats	Somer.	Cambria	Indiana	Mercer	Craw.	Butler	Erie	North'd	Centre	Schuyl.
Barley	Lanc.	Frank.	York	Lebanon	Adams	Chester	Perry	Fulton	North'd	Dauphin
Soybeans	Lanc.	York	Lebanon	Berks	North'd	Adams	Mercer	Craw.	Cumb.	Frank.
Dry hay, alfalfa	Lanc.	Bedfd.	Wash.	Berks	Chester	Butler	Centre	York	Indiana	West.
Dry hay, other	Brad.	Frank.	Wash.	Adams	Tioga	York	Chester	Lanc.	Craw.	Bedfd.
Dry hay, all	Lanc.	Frank.	Wash.	Bedfd.	Chester	York	Berks	Somer.	Butler	Indiana
Forage, all	Lanc.	Frank.	Bedfd.	Berks	Chester	Wash.	Somer.	York	Cumb.	Centre
Potatoes ¹	-	-	-	-	-	-	-	-	-	-
Apples	Adams	Bedfd.	Berks	York	Cumb.	Lanc.	Schuyl.	Lycum.	Columbia	-
Peaches	Adams	Frank.	Berks	York	Lanc.	Erie	-	-	-	-

¹ Potatoes discontinued in 2008 to avoid disclosure of individual operations.

Pennsylvania: Ranking of States in Livestock, Poultry and Cash Receipts, 2009-2010

Commodity	PA Ranking	1	2	3	4	5	6	7	8	9	10
Livestock Inventory, 1/1/10											
All cattle and calves	19	TX	NE	KS	OK	CA	MO	IA	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	MO	NE	OK	OH	KS
Sheep and lambs	15	TX	CA	CO	WY	SD	UT	MT	OR	ID	IA
Milk goats	5	WI	CA	IA	TX	PA	N Eng	MN	NY	IN	MO
Poultry Inventory, 12/1/09											
Chickens, excluding broilers	4	IA	OH	IN	PA	GA	TX	CA	NC	AR	AL
Layers, all	4	IA	OH	IN	PA	CA	GA	TX	NC	AR	MN
Livestock & Poultry Production, 2009											
Milk production	5	CA	WI	NY	ID	PA	MN	TX	MI	NM	WA
Milk production per cow	22	NM	WA	CO	AZ	MI	ID	CA	NV	KS	UT
Egg production	3	IA	OH	PA	IN	CA	TX	GA	NC	AR	MI
Broilers produced	14	GA	AR	AL	MS	NC	TX	KY	MD	VA	SC
Egg-type chick hatch ²	-	-	-	-	-	-	-	-	-	-	-
Broiler-type chick hatch	12	GA	AL	AR	NC	MS	TX	MD	KY	OK	VA
Turkeys raised	8	NC	AR	MO	VA	CA	IN	SC	PA	OH	SD
Slaughter in Commercial Plants, 2009											
Number of plants	1	PA	MT	IA	OH	MN	WI	NE	MO	TX	IN
Cattle (head)	8	NE	TX	KS	CO	WI	CA	WA	PA	MN	MI
Calves (head)	3	CA	NY	PA	OH	NJ	TX	IL	N Eng	MI	LA
Goats ³ (head)	8	NJ	FL	CO	GA	NY	TX	N Eng	PA	TN	IL
Hogs (head)	10	IA	NC	MN	IL	IN	MO	NE	OK	SD	PA
Sheep and lambs (head)	6	CO	IA	MI	NJ	UT	PA	DE/MD	IN	N Eng	NY
Total red meat (lbs.)	13	NE	IA	KS	TX	IL	MN	NC	CO	MO	IN
Other Livestock, 2009											
Trout produced (lbs.)	4	ID	NC	CA	PA	WA	WV	VA	WI	CO	MI
Honey produced (lbs.)	25	ND	SD	CA	MT	FL	MN	ID	TX	MI	LA
Mink pelts	11	WI	UT	OR	MN	ID	IA	WA	SD	IL	OH
Number of Farms, 2009	13	TX	MO	IA	OK	KY	CA	MN	TN	WI	IL
Cash Receipts, 2009											
Total	22	CA	IA	TX	NE	IL	MN	KS	NC	IN	MO
Livestock and products	15	TX	IA	CA	NE	KS	NC	MN	WI	GA	AR
Crops	23	CA	IL	IA	MN	NE	IN	FL	TX	KS	ND
Direct Sales, 2007 ⁴	3	CA	NY	PA	MI	OR	OH	WA	WI	MA	TX

¹ Inventory December 1, 2009. ² Egg-type chick hatch in 2009 is no longer published. ³ Federally inspected only. ⁴ Data taken from the 2007 Census of Agriculture.

Pennsylvania: Ranking of Counties in Livestock, Poultry and Number of Farms, 2009-2010

Commodity	1	2	3	4	5	6	7	8	9	10
Inventory, Jan. 1, 2010										
Cattle and calves	Lanc.	Frank.	Bradfd.	Berks	Lebanon	Cumb.	Somer.	Bedford	Chester	Craw.
Hogs and pigs ²	Lanc.	Lebanon	Frank.	Berks	Perry	North'd	York	Snyder	Juniata	Fulton
Sheep and lambs ²	Wash.	Lanc.	York	Bedford	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.	Bradfd.	Lebanon	Berks	Chester	Cumb.	Blair	Bedford	Somer.
Production, 2009										
Broilers produced ²	Lanc.	Lebanon	Snyder	Juniata	Berks	Union	Schuyl.	North'd	Dauphin	Perry
Milk production	Lanc.	Frank.	Lebanon	Brad.	Berks	Chester	Cumb.	Blair	Somer.	Bedford
Number of Farms, 2009	Lanc.	York	Wash.	Berks	Chester	Erie	Cumb.	Indiana	Frank.	Craw.
Cash Receipts, 2009 ¹	Lanc.	Chester	Berks	Frank.	Lebanon	Adams	York	Cumb.	Snyder	Brad.
Direct Sales, 2007 ²	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, 2009

By Sandra F. Gratson

Pennsylvania: Number of Farms and Land In Farms, 1970-2009 ^{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
2005	58,200	7,800	134
2006	58,200	7,800	134
2007	63,200	7,800	123
2008	63,200	7,750	123
2009	63,200	7,750	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, 1970-2009

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
2005	34,200	58.8	14,500	24.9	9,500	16.3	58,200	100.0
2006	34,200	58.8	14,500	24.9	9,500	16.3	58,200	100.0
2007	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

¹ Economic sales class was started in 1987.

Pennsylvania: Land In Farms By Sales Class, 1970-2009

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
2005	2,300	29.5	2,200	28.2	3,300	42.3	7,800	100.0
2006	2,300	29.5	2,200	28.2	3,300	42.3	7,800	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

¹ Economic sales class was started in 1987.

Pennsylvania: Average Size of Farm By Sales Class, 1970-2009

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
2005	67	152	347	134
2006	67	152	347	134
2007	65	132	313	123
2008	65	132	308	123
2009	65	132	308	123

¹ Economic sales class was started in 1987.

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

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

Farm Real Estate: Average Value Per Acre, By Region and State, January 1, 2006-2010 ^{1 2}

Region and State	2006	2007	2008	2009	2010	Change 09-10
	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(percent)
Northeast:	4,550	4,920	4,980	4,830	4,690	-2.9
CT	12,100	12,700	12,700	12,000	11,500	-4.2
DE	10,400	10,700	10,300	8,900	8,100	-9.0
ME	2,110	2,230	2,200	2,100	2,000	-4.8
MD	8,400	8,500	8,000	7,500	7,200	-4.0
MA	11,700	11,900	12,300	12,000	11,600	-3.3
NH	4,240	4,800	4,900	4,800	4,750	-1.0
NJ	14,400	15,700	15,300	13,800	13,100	-5.1
NY	2,020	2,180	2,350	2,400	2,400	-
PA	4,380	4,970	5,120	5,100	5,000	-2.0
RI	15,300	16,400	16,800	15,300	13,600	-11.1
VT	2,480	2,740	2,900	2,800	2,750	-1.8
Lake States:	2,760	3,180	3,410	3,300	3,300	-
MI	3,370	3,760	3,900	3,750	3,650	-2.7
MN	2,340	2,700	2,970	2,870	2,940	2.4
WI	3,100	3,640	3,850	3,750	3,720	-0.8
Corn Belt:	2,920	3,290	3,700	3,620	3,680	1.7
IL	3,590	4,020	4,550	4,530	4,650	2.6
IN	3,250	3,640	4,100	4,020	4,100	2.0
IA	2,910	3,370	3,950	3,850	3,900	1.3
MO	1,910	2,170	2,300	2,200	2,250	2.3
OH	3,420	3,700	4,020	3,880	3,900	0.5
Northern Plains:	799	896	1,020	1,020	1,070	4.9
KS	870	980	1,020	1,030	1,060	2.9
NE	1,030	1,140	1,330	1,340	1,460	9.0
ND	580	650	770	780	810	3.8
SD	680	770	920	890	920	3.4
Appalachian:	3,280	3,520	3,650	3,530	3,520	-0.3
KY	2,670	2,740	2,850	2,850	2,880	1.1
NC	4,060	4,330	4,450	4,250	4,130	-2.8
TN	2,970	3,250	3,450	3,300	3,450	4.5
VA	4,430	4,900	5,000	4,800	4,600	-4.2
WV	2,000	2,300	2,500	2,400	2,400	-
Southeast:	3,580	3,890	3,940	*3,690	3,570	-3.3
AL	2,100	2,200	2,300	2,150	2,100	-2.3
FL	5,230	5,500	5,640	5,150	5,000	-2.9
GA	3,800	4,350	4,300	*4,100	3,900	-4.9
SC	2,550	2,820	2,950	2,900	2,900	-
Delta States:	1,870	2,080	2,220	2,160	2,230	3.2
AR	2,000	2,240	2,420	2,390	2,500	4.6
LA	1,780	1,950	2,050	1,970	2,050	4.1
MS	1,770	1,970	2,080	2,000	2,030	1.5
Southern Plains:	1,140	1,320	1,470	1,470	1,530	4.1
OK	970	1,080	1,150	1,170	1,180	0.9
TX	1,190	1,380	1,550	1,550	1,630	5.2
Mountain:	852	964	1,030	922	911	-1.2
AZ ¹	3,050	3,200	3,500	3,500	3,500	-
CO	1,020	1,130	1,150	1,100	1,080	-1.8
ID	2,200	2,480	2,500	2,200	2,100	-4.5
MT	720	830	900	700	700	-
NV ¹	830	980	1,000	1,000	1,000	-
NM ¹	410	460	500	480	480	-
UT ¹	1,510	1,730	1,850	1,800	1,810	0.6
WY	400	490	560	520	510	-1.9
Pacific:	3,280	3,660	3,970	*4,010	4,050	1.0
CA	5,360	5,960	6,440	*6,600	6,700	1.5
OR	1,470	1,720	1,900	1,800	1,780	-1.1
WA	1,720	1,850	2,020	*2,000	2,030	1.5
48 States ²	1,830	2,010	2,170	*2,110	2,140	1.4

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

**Pennsylvania and Selected States: Average Value Per Acre of Land and Buildings,
Average Cash Rent Per Acre, 2010**

Region and State	Farmland ¹	Cropland ²		Pasture ²	
	Average Value Per Acre	Rent Per Acre	Average Value Per Acre	Rent Per Acre	Average Value Per Acre
	(dollars)	(dollars)	(dollars)	(dollars)	(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
2005	3,980	45.00	4,030	27.00	2,070
2006	4,380	46.50	4,680	25.00	2,270
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
Northeast:					
DE	8,100	66.00	7,700	*	*
MD	7,200	65.00	7,000	*	*
NJ	13,100	55.00	13,300	*	14,200
NY	2,400	43.50	2,300	*	1,050
Lake States:					
MI	3,650	80.50	3,300	*	2,400
MN	2,940	121.00	2,770	24.00	1,400
WI	3,720	92.00	3,610	32.00	2,020
Corn Belt:					
IL	4,650	169.00	4,820	39.00	2,620
IN	4,100	141.00	4,030	*	2,410
IA	3,900	176.00	4,100	40.00	1,900
OH	3,900	101.00	3,950	*	3,000
Northern Plains:					
ND	810	46.50	820	13.00	370
SD	920	-	1,460	16.00	440
Non-Irrigated		71.50	1,450	-	-
Appalachian:					
KY	2,880	103.00	3,180	*	2,440
NC	4,130	63.00	3,720	24.00	4,340
TN	3,450	78.00	3,400	19.00	3,600
VA	4,600	45.00	4,700	19.00	4,500
WV	2,400	32.00	3,400	*	1,900
Southeast:					
AL	2,100	48.00	2,400	19.00	1,650
SC	2,900	32.50	2,520	*	2,900
Delta States:					
LA	2,050	74.50	1,800	16.00	2,100
Irrigated	-	87.00	1,700	-	-
MS	2,030	87.50	1,900	15.00	1,930
Irrigated	-	105.00	1,970	-	-
Southern Plains:					
OK	1,180	-	1,160	11.00	1,020
Non-Irrigated	*	28.00	1,150	-	-
TX	1,630	36.00	1,540	6.10	1,410
Irrigated	-	75.00	1,700	-	-
Pacific:					
CA	6,700	-	9,130	13.00	2,850
Irrigated	-	345.00	11,100	-	-
OR	1,780	137.00	2,300	*	670
Irrigated	-	190.00	3,620	-	-
WA	2,030	-	1,850	*	820
Irrigated	-	245.00	4,500	-	-

* Insufficient information. 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, 2009-2010

County and district	Cropland				Pasture	
	Rent per acre non-irrigated		Rent per acre irrigated			
	2009 (dols. per acre)	2010 (dols. per acre)	2009 (dols. per acre)	2010 (dols. per acre)	2009 (dols. per acre)	2010 (dols. per acre)
Adams	46.00	46.00	*	*	*	*
Allegheny	15.00	18.00	*	*	*	*
Armstrong	18.00	17.50	*	*	*	*
Beaver	31.00	29.50	*	*	*	*
Bedford	46.00	49.00	*	*	24.00	*
Berks	60.00	67.00	*	*	*	*
Blair	*	116.00	*	*	53.50	*
Bradford	33.50	30.50	*	*	23.50	*
Bucks	34.50	*	*	*	*	*
Butler	24.50	26.50	*	*	*	*
Cambria	24.50	22.00	*	*	*	*
Centre	52.00	59.50	*	*	18.50	30.00
Chester	85.00	86.00	*	*	*	30.00
Clarion	23.50	18.00	*	*	*	*
Clinton	59.50	*	*	*	*	*
Columbia	43.50	47.00	*	*	*	*
Crawford	27.50	27.50	*	*	50.50	*
Cumberland	57.50	54.50	*	*	*	*
Dauphin	43.50	*	*	*	*	*
Erie	48.00	47.50	*	*	*	12.00
Fayette	21.50	19.00	*	*	54.00	*
Franklin	74.00	67.50	61.00	94.50	36.50	*
Fulton	27.00	28.00	*	*	24.00	*
Greene	21.00	*	*	*	*	10.50
Huntingdon	50.00	52.00	*	*	22.50	*
Indiana	26.00	27.50	*	*	*	*
Jefferson	16.00	13.00	*	*	12.00	*
Juniata	56.00	62.00	*	*	*	*
Lackawanna	21.50	30.00	*	*	*	*
Lancaster	136.00	138.00	120.00	*	66.50	*
Lawrence	32.00	36.00	*	*	19.50	*
Lebanon	100.00	131.00	*	*	56.00	45.50
Lehigh	52.00	52.50	*	*	*	*
Luzerne	34.50	37.00	*	*	*	*
Lycoming	46.00	*	*	*	24.00	*
McKean	31.50	*	*	*	*	*
Mercer	31.50	31.00	*	*	26.00	14.50
Mifflin	76.50	70.00	*	*	38.00	41.50
Montour	*	42.00	*	*	*	*
Northampton	50.50	57.50	*	*	*	*
Northumberland	54.00	52.00	*	*	48.00	41.00
Perry	38.00	43.50	*	*	29.00	45.50
Potter	26.50	28.00	*	*	*	*
Schuylkill	41.00	40.50	*	*	*	*
Snyder	41.00	47.00	*	*	39.50	31.50
Somerset	26.50	25.00	*	*	16.50	16.50
Susquehanna	15.00	11.50	*	*	*	*
Tioga	29.00	16.50	*	*	*	*
Union	55.00	52.00	*	*	49.00	*
Venango	*	31.00	*	*	*	*
Warren	20.50	*	*	*	*	*
Washington	18.00	11.50	*	*	13.50	11.50
Wayne	16.50	16.50	*	*	*	*
Westmoreland	27.50	*	*	*	*	*
Wyoming	22.50	35.50	*	*	*	23.00
York	76.50	69.50	*	*	*	21.50
Northwestern, Combined Counties	18.00	24.50	*	*	51.00	12.00
North Central, Combined Counties	27.50	34.50	*	*	37.50	*
Northeastern, Combined Counties	*	*	*	*	*	12.50
West Central, Combined Counties	*	*	*	*	15.50	*
Central, Combined Counties	84.00	48.00	56.50	*	31.50	30.50
East Central, Combined Counties	37.00	35.50	*	*	*	*
Southwestern, Combined Counties	*	30.00	*	*	13.50	22.00
South Central, Combined Counties	*	*	59.50	82.50	38.50	26.00
Southeastern, Combined Counties	34.50	33.50	70.00	139.00	38.00	38.00
Northwestern	29.00	30.50	*	*	43.50	12.00
North Central	37.00	28.50	*	*	30.50	*
Northeastern	17.50	20.00	*	*	*	13.50
West Central	24.50	25.00	*	*	15.50	*
Central	53.50	56.00	56.50	*	33.50	34.00
East Central	45.50	47.50	*	*	*	*
Southwestern	24.00	25.00	*	*	16.50	13.00
South Central	60.50	57.00	60.00	85.50	34.00	26.00
Southeastern	84.00	88.50	85.50	139.00	52.50	37.00
Combined counties/districts	*	*	80.00	94.50	24.00	22.50
Pennsylvania	55.00	56.50	88.00	105.00	32.00	25.00

* = insufficient data to publish

Crops



2009 Crop & Weather Summary: The average monthly temperature for January was 25.9 degrees. January recorded a precipitation of 1.92 inches. February temperatures were above normal as the monthly average was 34.2 degrees. It was a drier February with an average of 0.65 inches of precipitation, which is 2.23 inches below normal. March had near normal temperatures. The average monthly temperature was 41.9 degrees. Average rainfall for the month was at 1.25 inches, which was 2.33 inches below normal.

In April, the average temperature for the month was 53.5 degrees, which was 1.4 degrees above normal. The reported precipitation average for the state was 3.69 inches, which is 0.38 inches above normal. On average, 14 days were suitable for field work for the month, which led to delays in plowing and planting. Producers were able to get only 50 percent of the plowing finished by the month's end. Approximately 7 percent of the corn acreage was planted in April. Temperatures were fairly normal in the month of May, with an average temperature of 62.5 degrees. Pennsylvania had a wet month of May, with an average of 6.99 inches of rainfall. This is 2.39 inches above normal. Nineteen days were suitable for fieldwork for the month. Roughly 85 percent of corn acreage and 57 percent of the soybean acreage had been planted by the end of the month. Producers were well into the first cutting of alfalfa hay and had a good start for timothy clover. June temperatures were around normal, as the average temperature was 70.2 degrees. The rainy weather continued into June. An average of 6.14 inches of rain fell across the state of Pennsylvania, which was 2.15 inches wetter than normal. Transplanting tobacco was almost completed during June. Most producers finished planting their corn and soybean acreage during the month, while others were well into the harvest for barley. As some farmers were completing the first cutting of alfalfa, others already had a good start on the second cutting.

The temperature in July averaged 73.0 degrees, which is 2.9 degrees below the average. There was 3.20 inches of precipitation, which is close to normal. Crop conditions continued to do very well throughout the month of July. The barley harvest was completed, and nearly all of the wheat acreage was harvested during the month. The added moisture aided corn progress, as the average corn stalk height was above last year. The average August temperature was 75.4 degrees, which was 1.4 degrees above normal. The average precipitation for August was 4.84 inches, which is 1.60 inches above normal for the month. Tobacco harvest was advancing slower than the previous year and the 5 year average. Potatoes on the other hand were progressing ahead of the average. Peach and apple harvests continued steadily. 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 65.7 degrees, which is close to normal. September, however, had less rain than August. The precipitation total for the month was 3.95 inches, which is also close to normal. Corn harvesting for both grain and silage were the main activities for the month. Operators were behind in these tasks as compared to historic trends. The tobacco harvest was near completion by the end of the month, while producers also worked on harvesting potatoes, peaches, apples, and grapes. Producers neared the completion of the fourth cutting of alfalfa as well as the second cutting of

timothy clover. Barley and wheat were also planted during the month.

October average temperatures were 53.3 degrees, which is 1.2 degrees less than normal. The precipitation total for the month was 6.10 inches, which is 3.04 inches above normal.

Producers nearly finished harvesting their corn for silage and continued harvesting corn for grain, with 32 percent of the state's acreage harvested by month's end. The potato harvest was completed by the end of the month, and the soybean harvest was 33 percent complete by the beginning of the next month. November had an average temperature of 48.1 degrees, which was 3.8 degrees above normal. The precipitation total for the month was 1.61 inches, which is 1.92 inches below normal. Producers wrapped up their fourth cutting of alfalfa during the month while continuing to harvest corn and soybeans. Farmers also were preparing equipment for the next growing season.

Small Grains: Production of winter wheat was 9,800,000 bushels, 17.2 percent less than 2008. There were 175,000 acres harvested in 2009, 10,000 acres less than in 2008. Yield was 56 bushels per acre in 2009, down 8 bushels per acre from 2008. There were 4,880,000 bushels of oats produced in 2009, up 5.2 percent from 2008. Harvested acreage was at 80,000 in 2009, the same as in 2008. Yield was 61 bushels per acre in 2009, an increase of 3 bushels per acre from 2008. Barley production for 2009 was 3,375,000 bushels, down 18.2 percent from 2008. Harvested acreage was at 45,000, down 10,000 acres from 2008. Average yield was 75 bushels per acre, the same as in 2008.

Hay: Production of all dry hay in 2009 was 3,655,000 tons, down 155,000 tons from 2008. Total acres were harvested were 1,550,000 in 2009, down 200,000 acres from 2008. Yield was 2.36 tons per acre, up 8.3 percent from 2008. Alfalfa hay production was 1,450,000 tons, down 12.1 percent from 2008's production. Alfalfa acreage harvested was 500,000, down 50,000 acres from 2008. Yield was 2.90 tons per acre, down 3.3 percent from 2008. Other hay production was 2,205,000 tons, up 2.1 percent from 2008. Other hay acreage harvested was 1,050,000, down 150,000 acres from 2008. Yield was at 2.10 tons per acre, up 16.7 percent from the previous year.

Row Crops: Corn for grain production was 131,560,000 bushels, up 12.4 percent from 2008. Harvested acres amounted to 920,000 acres, up 40,000 acres from 2008. Yield was 143 bushels per acre, up 10 bushels from 2008. Corn for silage production was 8,190,000 tons, down 1.6 percent from 2008. Acres harvested totaled 420,000 acres, down 6.7 percent from 2008. Yield was 19.5 tons per acre, up 1 ton per acre from 2008. Soybean production for 2009 was 20,470,000 bushels, up 19 percent from 2008. Harvested soybean acreage was at 445,000, up 15,000 acres from 2008. Yield was 46 bushels per acre, up 6 bushels from 2008. Potato production was at 2,945,000 cwt., up 17 percent from 2008. Acres harvested remained the same at 9,500 acres. Yield increased to 310 cwt per acre, up 45 cwt from 2008. Total production of tobacco was 18,660,000 pounds, up 5.8 percent from 2008. There were 8,200 acres harvested in 2009, up 300 acres from 2009. The all tobacco yield was 2,276 pounds per acre, up 44 pounds from 2008.

Pennsylvania: Acreage, Yield, Production and Value of Grains, 1970-2009

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
2005	150	145	54.0	7,830	3.50	27,405
2006	160	150	59.0	8,850	3.52	31,152
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
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
2005	140	110	55.0	6,050	2.28	13,794
2006	135	110	64.0	7,040	2.07	14,573
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	2.80	13,664
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
2005	55	47	72.0	3,384	1.87	6,328
2006	55	46	81.0	3,726	1.77	6,595
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	2.80	9,450
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
2005	430	420	41.0	17,220	5.60	96,432
2006	430	425	40.0	17,000	6.25	106,250
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	9.35	191,395
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
2005	1,350	960	122.0	117,120	2.30	269,376
2006	1,350	960	122.0	117,120	3.54	414,605
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	3.85	506,506
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
2005	-	380	18.0	6,840	27.00	184,680
2006	-	380	18.0	6,840	27.50	188,100
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
Sorghum ²			(bushels)	(1,000 bu.)	(\$/cwt.)	
2000	13	4	80.0	320	3.20	573
2005	11	4	50.0	200	4.75	532
2006	13	5	66.0	330	5.86	1,083
2007	15	3	56.0	168	6.60	621
2008	11	3	37.0	111	5.35	333

¹ Value of production based on final State marketing year average price for years prior to 2009; for 2009, based on preliminary State marketing year average price published by USDA, NASS. ² Estimates for Pennsylvania began in 2000 and discontinued in 2009.

Pennsylvania: Acreage, Yield, Production and Value of Hay and Haylage, 1970-2009

Crop and year	Acres		Production		Season average price per unit	Value of production ¹
	Planted (1,000)	Harvested (1,000)	Per acre (tons)	Total (1,000 tons)		
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
2005	-	510	2.60	1,326	153.00	202,878
2006	-	500	3.00	1,500	161.00	241,500
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
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
2005	-	1,090	1.90	2,071	125.00	258,875
2006	-	1,250	2.90	3,625	131.00	474,875
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	127.00	280,035
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
2005	-	1,600	2.12	3,397	134.00	461,753
2006	-	1,750	2.93	5,125	136.00	716,375
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	133.00	501,885
Haylage & Greenchop³						
Alfalfa Haylage & Greenchop:						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	430	6.80	2,924	-	-
2005	-	305	6.20	1,891	-	-
2006	-	320	6.40	2,048	-	-
2007	-	310	6.30	1,953	-	-
2008	-	270	7.40	1,998	-	-
2009	-	325	7.70	2,503	-	-
All Haylage & Greenchop:						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	620	6.25	3,874	36.60	141,788
2005	-	460	5.26	2,418	41.40	100,105
2006	-	480	6.10	2,928	41.20	120,634
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
Hay Forage²						
Alfalfa Hay Forage:						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	830	4.17	3,460	-	-
2005	-	710	3.18	2,261	-	-
2006	-	660	3.81	2,512	-	-
2007	-	745	3.71	2,765	-	-
2008	-	665	3.97	2,638	-	-
2009	-	685	3.92	2,687	-	-
All Hay Forage: ⁴						
1970	-	-	-	-	-	-
1980	-	-	-	-	-	-
1990	-	-	-	-	-	-
2000	-	2,000	3.17	6,345	100.49	633,148
2005	-	1,880	2.44	4,592	122.36	561,858
2006	-	2,000	3.29	6,572	127.36	837,009
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	127.81	665,531

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, 1970-2009

Year	Area seeded (1,000 acres)	Year	Area seeded (1,000 acres)
-	-	2005	100
1970	-	2006	110
1980	-	2007	100
1990	-	2008	110
2000	130	2009	100

Pennsylvania: Tillage Practices by Crop, 2010

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	1,350,000	735,000	54.4	315,000	23.3	300,000	22.2
Soybeans	470,000	300,000	63.8	100,000	21.3	70,000	14.9
Barley	60,000	34,000	56.7	14,000	23.3	12,000	20.0
Winter Wheat ⁵	170,000	70,000	41.2	45,000	26.5	55,000	32.4
Oats	110,000	35,000	31.8	25,000	22.7	50,000	45.5
Total ⁶	2,160,000	1,174,000	54.4	499,000	23.1	487,000	22.5
Alfalfa Seedings ^{7/8}	-	-	36.4	-	27.3	-	36.4

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 2010. ⁸ Alfalfa seeded acres will be available in January 2011.

Pennsylvania: Tillage Practices by Crop, 2009

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	1,350,000	770,000	57.0	270,000	20.0	310,000	23.0
Soybeans	450,000	315,000	70.0	90,000	20.0	45,000	10.0
Barley	60,000	33,000	55.0	17,000	28.3	10,000	16.7
Winter Wheat ⁵	190,000	105,000	55.3	48,000	25.3	37,000	19.5
Oats	110,000	25,000	22.7	26,000	23.6	59,000	53.6
Total ⁶	2,160,000	1,248,000	57.8	451,000	20.9	461,000	21.3
Alfalfa Seedings ⁷	100,000	36,000	36.0	24,000	24.0	40,000	40.0
Grand Total ⁸	2,260,000	1,284,000	56.8	475,000	21.0	501,000	22.2

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 2009. ⁸ Includes alfalfa seedings published January 12, 2010.

Pennsylvania: Grain and Hay Stocks By Positions, Quarterly, 2007-2009

Crop, Quarter	2007			2008			2009		
	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	35,000	7,238	42,238	49,000	9,353	58,353	44,000	7,885	51,885
June 1	21,000	4,683	25,683	26,000	6,346	32,346	31,000	5,842	36,842
September 1	10,000	1,798	11,798	12,000	2,160	14,160	14,000	2,658	16,658
December 1	75,000	10,779	85,779	67,000	10,091	77,091	76,000	9,878	85,878
Oats									
March 1	3,000	515	3,515	2,100	350	2,450	2,000	375	2,375
June 1	1,700	341	2,041	900	249	1,149	1,200	410	1,610
September 1	3,000	570	3,570	3,200	721	3,921	2,700	707	3,407
December 1	2,500	434	2,934	2,900	570	3,470	2,600	624	3,224
All Wheat									
March 1	*	7,077	*	*	5,144	*	*	7,789	*
June 1	*	5,609	*	*	2,367	*	*	7,389	*
September 1	*	8,865	*	*	7,739	*	*	8,445	*
December 1	*	6,155	*	*	7,315	*	*	7,570	*
Barley									
March 1	*	471	*	*	188	*	*	495	*
June 1	*	130	*	*	169	*	*	327	*
September 1	*	464	*	*	888	*	*	864	*
December 1	*	250	*	*	675	*	*	703	*
Soybeans									
March 1	*	3,143	*	*	2,997	*	*	3,346	*
June 1	*	2,568	*	*	1,618	*	*	2,453	*
September 1	*	1,383	*	*	909	*	*	996	*
December 1	*	3,672	*	*	3,941	*	*	3,730	*
	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
All Dry Hay									
May 1	520	-	520	500	-	500	700	-	700
December 1	1,750	-	1,750	2,500	-	2,500	2,400	-	2,400

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, 2008, Revised ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 48 lbs.)	(bushels, 48 lbs.)	(dollars)
Adams	2,000	1,800	82.8	149,000	670,500
Armstrong	800	800	41.0	32,800	147,600
Berks	6,200	5,000	70.5	352,500	1,586,250
Blair	800	800	60.4	48,300	217,350
Butler	600	600	53.8	32,300	145,350
Cambria	500	500	59.2	29,600	133,200
Dauphin	1,100	1,100	79.6	87,600	394,200
Franklin	7,500	7,200	78.0	561,700	2,527,650
Fulton	1,700	1,500	76.0	114,000	513,000
Indiana	700	700	55.1	38,600	173,700
Juniata	1,000	1,000	93.0	93,000	418,500
Lancaster	8,400	7,600	82.3	625,500	2,814,750
Lebanon	2,800	2,600	80.2	208,500	938,250
Lehigh	500	500	89.8	44,900	202,050
Northumberland	1,400	1,300	70.3	91,400	411,300
Perry	1,700	1,600	66.6	106,500	479,250
Schuylkill	1,200	1,100	83.5	91,900	413,550
Snyder	500	500	50.6	25,300	113,850
York	6,000	5,800	79.3	459,900	2,069,550
North Central, Combined Counties	1,400	1,100	60.0	66,000	297,000
West Central, Combined Counties	900	700	71.9	50,300	226,350
Central, Combined Counties	2,000	1,800	69.1	124,300	559,350
East Central, Combined Counties	500	500	69.4	34,700	156,150
Southwestern, Combined Counties	1,800	1,700	61.2	104,000	468,000
South Central, Combined Counties	4,700	4,000	75.2	300,900	1,354,050
Southeastern, Combined Counties	2,500	2,500	86.0	215,000	967,500
North Central	1,400	1,100	60.0	66,000	297,000
West Central	3,000	2,800	55.0	154,000	693,000
Central	9,000	8,600	70.5	606,000	2,727,000
East Central	2,200	2,100	81.7	171,500	771,750
Southwestern	1,800	1,700	61.2	104,000	468,000
South Central	21,900	20,300	78.1	1,585,500	7,134,750
Southeastern	19,900	17,700	79.2	1,401,500	6,306,750
Combined Districts	800	700	52.1	36,500	164,250
Pennsylvania	60,000	55,000	75.0	4,125,000	18,562,500

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.

Pennsylvania: Barley - Acreage, Yield, Production and Value, 2009 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 48 lbs.)	(bushels, 48 lbs.)	(dollars)
Adams	2,800	2,100	70.0	146,300	412,570
Blair	900	600	80.0	48,000	135,360
Butler	600	500	56.0	28,000	78,960
Chester	3,000	1,800	77.0	138,600	390,850
Dauphin	1,100	900	75.0	67,500	190,350
Franklin	7,200	5,400	79.0	426,600	1,203,010
Fulton	1,700	1,300	67.0	87,100	245,620
Huntingdon	500	300	79.0	23,700	66,830
Indiana	600	600	53.0	31,800	89,680
Lancaster	8,000	5,700	82.0	466,700	1,316,090
Lebanon	3,600	2,900	91.0	263,700	743,630
Mifflin	500	400	77.0	30,700	86,570
Northumberland	1,200	1,000	70.0	69,500	195,990
Perry	1,800	1,300	79.0	102,700	289,620
Schuylkill	1,200	900	72.0	64,500	181,890
York	5,500	4,400	81.0	355,700	1,003,070
West Central, Combined Counties	1,500	1,400	66.0	92,900	261,980
Central, Combined Counties	3,000	2,500	64.0	159,200	448,950
East Central, Combined Counties	1,000	700	74.0	51,600	145,510
South Central, Combined Counties	4,500	3,700	72.0	265,800	749,560
Southeastern, Combined Counties	6,400	4,000	79.0	317,700	895,920
West Central	2,700	2,500	61.0	152,700	430,620
Central	9,000	7,000	72.0	501,300	1,413,670
East Central	2,200	1,600	73.0	116,100	327,400
South Central	21,700	16,900	76.0	1,281,500	3,613,830
Southeastern	21,000	14,400	82.0	1,186,700	3,346,490
Combined Districts	3,400	2,600	53.0	136,700	385,490
Pennsylvania	60,000	45,000	75.0	3,375,000	9,517,500

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: Corn for Grain - Acreage, Yield, Production and Value, 2008, Revised ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 56 lbs.)	(bushels, 56 lbs.)	(dollars)
Adams	28,800	17,500	92.0	1,615,000	6,056,250
Armstrong	15,000	10,500	129.0	1,350,000	5,062,500
Beaver	5,000	3,600	92.0	330,000	1,237,500
Bedford	28,700	15,500	129.0	2,000,000	7,500,000
Berks	62,000	40,500	133.0	5,376,000	20,160,000
Blair	29,000	13,000	140.0	1,825,000	6,843,750
Bucks	15,000	12,000	108.0	1,300,000	4,875,000
Butler	19,000	14,000	111.0	1,550,000	5,812,500
Cambria	11,200	7,300	130.0	950,000	3,562,500
Centre	26,600	20,000	124.0	2,475,000	9,281,250
Chester	39,500	25,500	169.0	4,300,000	16,125,000
Clarion	11,000	8,000	149.0	1,190,000	4,462,500
Clinton	9,000	4,700	124.0	585,000	2,193,750
Columbia	22,500	20,000	128.0	2,550,000	9,562,500
Crawford	33,000	23,500	144.0	3,375,000	12,656,250
Cumberland	40,000	25,500	124.0	3,160,000	11,850,000
Dauphin	20,300	15,000	113.0	1,700,000	6,375,000
Franklin	72,000	32,500	135.0	4,400,000	16,500,000
Fulton	13,000	7,000	125.0	875,000	3,281,250
Huntingdon	20,200	9,500	107.0	1,020,000	3,825,000
Indiana	21,000	16,000	133.0	2,125,000	7,968,750
Jefferson	7,500	5,200	130.0	675,000	2,531,250
Juniata	18,500	12,000	106.0	1,275,000	4,781,250
Lancaster	160,500	96,600	169.0	16,300,000	61,125,000
Lawrence	16,500	12,700	137.0	1,740,000	6,525,000
Lebanon	45,000	25,600	154.0	3,950,000	14,812,500
Lehigh	26,000	20,000	120.0	2,400,000	9,000,000
Luzerne	8,400	6,800	129.0	880,000	3,300,000
Lycoming	23,000	14,700	139.0	2,050,000	7,687,500
Mercer	35,000	28,000	134.0	3,760,000	14,100,000
Mifflin	17,000	11,000	126.0	1,385,000	5,193,750
Monroe	3,500	2,800	141.0	395,000	1,481,250
Northampton	27,800	24,800	132.0	3,285,000	12,318,750
Northumberland	39,700	34,000	143.0	4,875,000	18,281,250
Perry	23,900	15,000	123.0	1,850,000	6,937,500
Schuylkill	24,000	19,200	123.0	2,360,000	8,850,000
Snyder	18,800	13,500	125.0	1,690,000	6,337,500
Union	16,500	11,500	134.0	1,540,000	5,775,000
Venango	7,000	5,700	112.0	640,000	2,400,000
Warren	5,400	800	145.0	116,000	435,000
York	82,500	67,000	142.0	9,525,000	35,718,750
Northwestern, Combined Counties	29,600	23,000	140.0	3,230,000	12,112,500
North Central, Combined Counties	58,000	25,600	114.0	2,929,000	10,983,750
Central, Combined Counties	10,800	8,200	115.0	945,000	3,543,750
East Central, Combined Counties	3,300	2,400	88.0	210,000	787,500
Southeastern, Combined Counties	8,000	4,800	102.0	491,000	1,841,250
Northwestern	110,000	81,000	137.0	11,121,000	41,703,750
North Central	90,000	45,000	124.0	5,564,000	20,865,000
West Central	95,000	70,000	128.0	8,960,000	33,600,000
Central	275,000	190,000	127.0	24,080,000	90,300,000
East Central	93,000	76,000	125.0	9,530,000	35,737,500
South Central	265,000	165,000	131.0	21,575,000	80,906,250
Southeastern	330,000	205,000	155.0	31,717,000	118,938,750
Combined Districts	92,000	48,000	94.0	4,493,000	16,848,750
Pennsylvania	1,350,000	880,000	133.0	117,040,000	438,900,000

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.

Pennsylvania: Corn for Grain - Acreage, Yield, Production and Value, 2009 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 56 lbs.)	(bushels, 56 lbs.)	(dollars)
Adams	27,000	19,300	119.0	2,300,000	8,855,000
Allegheny	900	600	135.0	81,000	311,850
Armstrong	15,500	12,100	134.0	1,620,000	6,237,000
Bedford	27,500	15,100	119.0	1,800,000	6,930,000
Blair	29,500	17,000	147.0	2,500,000	9,625,000
Bucks	14,400	12,100	107.0	1,293,000	4,978,050
Butler	23,000	17,200	128.0	2,205,000	8,489,250
Cambria	11,500	7,900	132.0	1,040,000	4,004,000
Centre	28,300	18,000	136.0	2,450,000	9,432,500
Chester	38,900	26,900	161.0	4,320,000	16,632,000
Columbia	24,000	20,600	150.0	3,100,000	11,935,000
Crawford	33,000	23,500	135.0	3,170,000	12,204,500
Cumberland	38,500	24,300	143.0	3,480,000	13,398,000
Dauphin	20,700	16,300	132.0	2,150,000	8,277,500
Franklin	70,300	36,400	143.0	5,220,000	20,097,000
Fulton	12,700	5,800	109.0	630,000	2,425,500
Huntingdon	20,000	9,800	141.0	1,380,000	5,313,000
Indiana	20,700	16,100	138.0	2,220,000	8,547,000
Jefferson	7,600	5,300	125.0	660,000	2,541,000
Juniata	16,000	9,500	121.0	1,150,000	4,427,500
Lancaster	160,500	104,000	178.0	18,500,000	71,225,000
Lawrence	17,300	12,800	159.0	2,030,000	7,815,500
Lebanon	47,100	31,100	172.0	5,350,000	20,597,500
Lehigh	26,000	24,000	139.0	3,335,000	12,839,750
Luzerne	8,700	7,100	122.0	865,000	3,330,250
Mercer	35,000	28,000	139.0	3,900,000	15,015,000
Mifflin	17,000	7,900	137.0	1,080,000	4,158,000
Monroe	3,800	3,200	125.0	400,000	1,540,000
Northumberland	37,500	32,800	147.0	4,821,000	18,560,850
Perry	22,000	12,700	131.0	1,663,000	6,402,550
Schuylkill	26,100	22,000	138.0	3,035,000	11,684,750
Snyder	20,000	14,600	131.0	1,912,000	7,361,200
Somerset	27,000	13,600	110.0	1,500,000	5,775,000
Union	15,000	9,700	162.0	1,572,000	6,052,200
Westmoreland	26,700	19,000	133.0	2,525,000	9,721,250
York	90,000	77,100	150.0	11,570,000	44,544,500
Northwestern, Combined Counties	39,000	26,700	121.0	3,230,000	12,435,500
West Central, Combined Counties	14,900	12,600	140.0	1,765,000	6,795,250
Central, Combined Counties	10,500	7,600	126.0	955,000	3,676,750
East Central, Combined Counties	31,400	28,900	151.0	4,365,000	16,805,250
Southwestern, Combined Counties	20,400	13,900	125.0	1,744,000	6,714,400
Southeastern, Combined Counties	69,100	45,400	143.0	6,477,000	24,936,450
Northwestern	107,000	78,200	132.0	10,300,000	39,655,000
West Central	99,000	76,100	138.0	10,500,000	40,425,000
Central	272,000	184,400	140.0	25,773,000	99,226,050
East Central	96,000	85,200	141.0	12,000,000	46,200,000
Southwestern	75,000	47,100	124.0	5,850,000	22,522,500
South Central	266,000	178,000	140.0	25,000,000	96,250,000
Southeastern	330,000	219,500	164.0	35,940,000	138,369,000
Combined Districts	105,000	51,500	120.0	6,197,000	23,858,450
Pennsylvania	1,350,000	920,000	143.0	131,560,000	506,506,000

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: Corn for Silage - Acreage, Yield, Production and Value, 2008-2009 ¹

County & District	2008				2009			
	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	11,300	13.5	150,000	5,775,000	7,500	17.5	130,000	4,355,000
Beaver	-	-	-	-	1,000	14.0	14,000	469,000
Bedford	13,200	17.5	230,000	8,855,000	11,000	17.5	195,000	6,532,500
Berks	21,000	22.0	464,000	17,864,000	21,900	21.5	472,000	15,812,000
Blair	16,000	18.0	289,000	11,126,500	12,500	23.5	295,000	9,882,500
Bradford	18,000	16.0	289,000	11,126,500	17,200	16.0	275,000	9,212,500
Bucks	2,400	17.5	42,000	1,617,000	-	-	-	-
Cambria	-	-	-	-	3,500	17.0	60,000	2,010,000
Centre	-	-	-	-	10,300	19.5	199,000	6,666,500
Chester	13,000	24.0	314,500	12,108,250	-	-	-	-
Clarion	-	-	-	-	1,300	14.0	18,000	603,000
Clinton	4,300	20.0	85,500	3,291,750	-	-	-	-
Crawford	9,500	19.5	184,000	7,084,000	-	-	-	-
Cumberland	14,500	19.5	280,000	10,780,000	13,900	21.0	295,000	9,882,500
Dauphin	5,300	17.0	91,000	3,503,500	-	-	-	-
Franklin	39,500	17.0	670,000	25,795,000	31,800	19.5	625,000	20,937,500
Greene	800	14.0	11,300	435,050	-	-	-	-
Huntingdon	10,700	17.0	180,000	6,930,000	9,700	17.5	170,300	5,705,050
Indiana	5,000	17.0	85,000	3,272,500	4,500	17.0	75,500	2,529,250
Jefferson	2,300	14.5	33,000	1,270,500	-	-	-	-
Juniata	6,500	16.5	108,000	4,158,000	6,200	18.5	113,500	3,802,250
Lackawanna	1,000	15.0	15,000	577,500	-	-	-	-
Lancaster	63,900	23.0	1,470,000	56,595,000	56,500	25.5	1,430,000	47,905,000
Lebanon	16,500	20.0	327,000	12,589,500	16,000	24.5	390,000	13,065,000
Mifflin	6,000	17.0	101,000	3,888,500	8,900	20.0	180,000	6,030,000
Perry	-	-	-	-	9,200	19.0	177,000	5,929,500
Snyder	5,300	18.0	95,000	3,657,500	-	-	-	-
Somerset	13,300	17.0	226,200	8,708,700	13,000	14.5	186,000	6,231,000
Sullivan	-	-	-	-	700	15.5	11,000	368,500
Tioga	-	-	-	-	7,900	18.0	143,000	4,790,500
Union	5,000	15.0	75,000	2,887,500	5,300	18.0	95,000	3,182,500
Northwestern, Combined Counties	18,500	18.0	336,000	12,936,000	28,300	17.0	480,000	16,080,000
North Central, Combined Counties	22,700	17.5	394,500	15,188,250	15,100	17.5	266,000	8,911,000
Northeastern, Combined Counties	9,000	18.0	161,000	6,198,500	10,700	13.5	145,000	4,857,500
West Central, Combined Counties	17,700	17.0	299,000	11,511,500	15,800	17.0	267,500	8,961,250
Central, Combined Counties	30,200	16.5	502,000	19,327,000	20,500	18.0	368,200	12,334,700
East Central, Combined Counties	11,000	15.0	167,000	6,429,500	10,600	19.0	200,000	6,700,000
Southwestern, Combined Counties	12,900	16.5	215,500	8,296,750	14,100	15.0	214,000	7,169,000
South Central, Combined Counties	21,500	18.5	401,000	15,438,500	19,300	17.5	342,000	11,457,000
Southeastern, Combined Counties	2,200	15.0	33,500	1,289,750	15,800	22.5	358,000	11,993,000
Northwestern	28,000	18.5	520,000	20,020,000	28,300	17.0	480,000	16,080,000
North Central	45,000	17.0	769,000	29,606,500	40,900	17.0	695,000	23,282,500
Northeastern	10,000	17.5	176,000	6,776,000	10,700	13.5	145,000	4,857,500
West Central	25,000	16.5	417,000	16,054,500	22,600	16.5	375,000	12,562,500
Central	85,000	17.0	1,441,000	55,478,500	86,100	19.5	1,658,000	55,543,000
East Central	11,000	15.0	167,000	6,429,500	10,600	19.0	200,000	6,700,000
Southwestern	27,000	17.0	453,000	17,440,500	27,100	15.0	400,000	13,400,000
South Central	100,000	17.5	1,731,000	66,643,500	83,500	19.0	1,587,000	53,164,500
Southeastern	119,000	22.5	2,651,000	102,063,500	110,200	24.0	2,650,000	88,775,000
Pennsylvania	450,000	18.5	8,325,000	320,512,500	420,000	19.5	8,190,000	274,365,000

¹ The district map and county listing can be found on the inside back cover of this publication.

Pennsylvania: Dry Alfalfa Hay - Acreage, Yield, Production and Value, 2008-2009 ¹

County & district	2008				2009			
	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)
Allegheny	-	-	-	-	2,100	3.10	6,500	994,500
Armstrong	14,000	2.20	31,000	6,138,000	12,700	2.20	27,900	4,268,700
Beaver	7,900	4.00	31,500	6,237,000	7,300	2.90	21,200	3,243,600
Bedford	21,300	3.30	70,000	13,860,000	19,500	3.10	60,300	9,225,900
Berks	16,700	3.75	63,000	12,474,000	16,000	3.20	51,000	7,803,000
Blair	8,000	3.95	31,600	6,256,800	-	-	-	-
Bradford	16,300	1.35	22,000	4,356,000	-	-	-	-
Bucks	2,800	1.80	5,000	990,000	2,000	3.50	7,000	1,071,000
Butler	16,800	3.55	60,000	11,880,000	15,000	3.10	46,400	7,099,200
Cambria	9,500	3.00	28,500	5,643,000	-	-	-	-
Centre	13,500	3.25	44,000	8,712,000	-	-	-	-
Chester	13,500	3.25	44,000	8,712,000	12,800	3.70	47,300	7,236,900
Clarion	9,200	2.25	20,500	4,059,000	-	-	-	-
Clearfield	7,000	2.00	14,000	2,772,000	-	-	-	-
Clinton	4,500	2.75	12,300	2,435,400	-	-	-	-
Columbia	4,800	2.90	14,000	2,772,000	-	-	-	-
Crawford	11,300	2.75	31,100	6,157,800	-	-	-	-
Cumberland	13,800	3.75	51,500	10,197,000	12,300	2.40	29,500	4,513,500
Dauphin	5,000	3.80	19,000	3,762,000	-	-	-	-
Erie	-	-	-	-	3,500	2.50	8,800	1,346,400
Franklin	16,400	3.40	55,500	10,989,000	15,200	2.50	38,000	5,814,000
Huntingdon	-	-	-	-	-	-	-	-
Indiana	16,900	2.65	45,000	8,910,000	15,500	2.70	41,800	6,395,400
Jefferson	11,200	2.35	26,500	5,247,000	-	-	-	-
Juniata	8,200	3.65	30,100	5,959,800	-	-	-	-
Lancaster	43,100	4.15	179,600	35,560,800	40,100	3.70	148,400	22,705,200
Lawrence	8,000	3.70	29,500	5,841,000	7,500	3.00	22,500	3,442,500
Lebanon	7,000	3.30	23,000	4,554,000	-	-	-	-
Lehigh	5,000	3.50	17,600	3,484,800	-	-	-	-
Luzerne	2,300	2.85	6,500	1,287,000	-	-	-	-
Lycoming	11,400	2.35	26,800	5,306,400	-	-	-	-
McKean	1,700	1.80	3,100	613,800	1,500	2.55	3,800	581,400
Mercer	11,500	3.25	37,400	7,405,200	10,700	2.20	23,500	3,595,500
Mifflin	9,200	2.75	25,500	5,049,000	-	-	-	-
Monroe	-	-	-	-	800	2.50	2,000	306,000
Northampton	6,400	2.90	18,500	3,663,000	6,000	3.50	21,100	3,228,300
Northumberland	4,800	4.15	20,000	3,960,000	-	-	-	-
Perry	8,300	3.50	29,100	5,761,800	7,600	3.10	23,600	3,610,800
Potter	-	-	-	-	4,500	2.40	10,800	1,652,400
Schuylkill	-	-	-	-	4,300	3.50	15,000	2,295,000
Snyder	9,200	3.15	29,000	5,742,000	8,600	3.00	25,800	3,947,400
Somerset	16,600	2.50	41,500	8,217,000	15,900	2.40	38,200	5,844,600
Union	-	-	-	-	5,700	2.70	15,400	2,356,200
Washington	20,600	2.30	47,000	9,306,000	18,000	2.90	52,200	7,986,600
Westmoreland	18,300	2.85	52,000	10,296,000	17,500	2.30	40,300	6,165,900
York	12,700	2.50	32,000	6,336,000	11,000	3.90	42,900	6,563,700
Northwestern, Combined Counties	12,200	3.00	36,500	7,227,000	16,800	2.50	42,100	6,441,300
North Central, Combined Counties	21,100	2.25	47,800	9,464,400	42,000	2.30	95,800	14,657,400
Northeastern, Combined Counties	14,000	2.05	28,500	5,643,000	12,500	2.40	30,000	4,590,000
West Central, Combined Counties	-	-	-	-	18,000	2.50	45,400	6,946,200
Central, Combined Counties	17,500	3.00	52,200	10,335,600	76,100	3.00	229,200	35,067,600
East Central, Combined Counties	6,300	3.00	18,900	3,742,200	7,400	3.10	22,900	3,503,700
Southwestern, Combined Counties	19,500	2.70	52,500	10,395,000	14,500	3.20	46,400	7,099,200
South Central, Combined Counties	12,800	3.15	40,500	8,019,000	11,000	3.30	36,300	5,553,900
Southeastern, Combined Counties	1,900	2.60	4,900	970,200	8,100	3.80	30,700	4,697,100
Northwestern	35,000	3.00	105,000	20,790,000	31,000	2.40	74,400	11,383,200
North Central	55,000	2.05	112,000	22,176,000	48,000	2.30	110,400	16,891,200
Northeastern	14,000	2.05	28,500	5,643,000	12,500	2.40	30,000	4,590,000
West Central	84,000	2.90	244,000	48,312,000	76,000	2.70	205,200	31,395,600
Central	105,000	3.20	337,000	66,726,000	98,000	3.00	294,000	44,982,000
East Central	20,000	3.10	61,500	12,177,000	18,500	3.30	61,000	9,333,000
Southwestern	75,000	2.55	193,000	38,214,000	68,000	2.70	183,600	28,090,800
South Central	77,000	3.25	249,500	49,401,000	69,000	3.00	207,000	31,671,000
Southeastern	85,000	3.75	319,500	63,261,000	79,000	3.60	284,400	43,513,200
Pennsylvania	550,000	3.00	1,650,000	326,700,000	500,000	2.90	1,450,000	221,850,000

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.

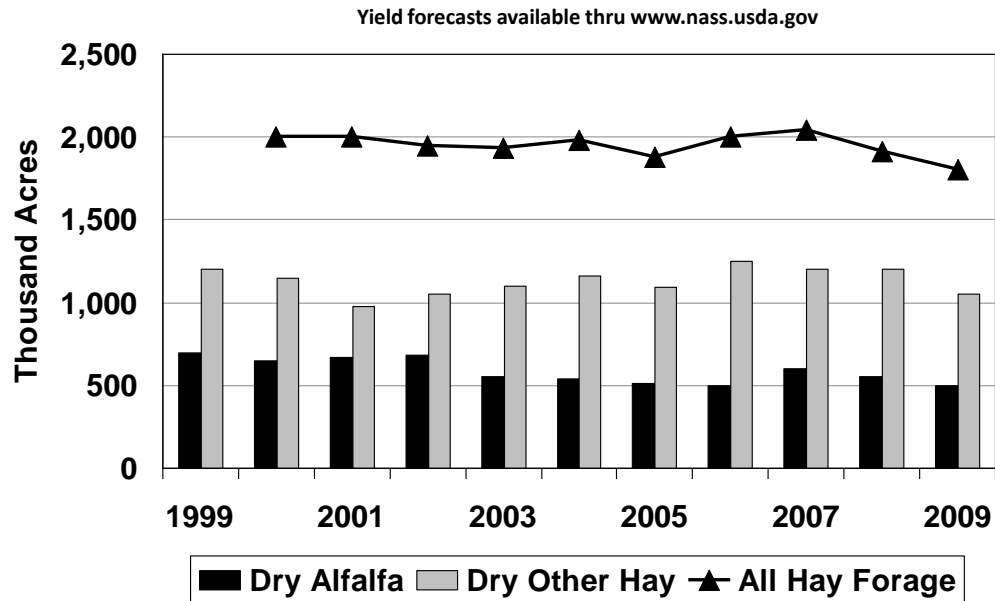
Pennsylvania: Dry Other Hay - Acreage, Yield, Production and Value, 2008-2009 ¹

County & district	2008				2009			
	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	-	-	-	-	29,900	2.50	74,700	9,486,900
Armstrong	23,600	2.45	57,800	9,363,600	20,300	2.20	44,800	5,689,600
Beaver	8,300	1.85	15,400	2,494,800	-	-	-	-
Bedford	29,300	2.00	58,500	9,477,000	25,700	2.50	64,300	8,166,100
Berks	25,100	1.90	48,000	7,776,000	23,000	2.65	60,800	7,721,600
Blair	9,800	1.85	18,100	2,932,200	8,500	1.70	14,500	1,841,500
Bradford	68,500	1.25	85,500	13,851,000	58,000	1.80	104,400	13,258,800
Bucks	15,700	1.50	23,500	3,807,000	16,000	1.90	30,400	3,860,800
Butler	22,000	1.45	31,900	5,167,800	17,900	2.20	39,400	5,003,800
Cambria	10,100	2.40	24,200	3,920,400	-	-	-	-
Centre	17,700	1.75	30,600	4,957,200	15,300	2.30	35,200	4,470,400
Chester	29,700	2.55	75,200	12,182,400	29,000	2.45	70,700	8,978,900
Clarion	26,900	1.25	33,600	5,443,200	22,700	2.10	47,800	6,070,600
Clearfield	12,500	1.00	12,500	2,025,000	11,000	2.20	24,200	3,073,400
Clinton	5,000	1.75	8,800	1,425,600	-	-	-	-
Columbia	10,000	1.20	12,000	1,944,000	8,700	1.75	15,200	1,930,400
Crawford	37,000	2.30	85,300	13,818,600	32,000	2.10	67,200	8,534,400
Cumberland	20,700	1.85	38,300	6,204,600	19,300	2.20	42,500	5,397,500
Dauphin	15,900	2.55	40,500	6,561,000	14,200	2.45	34,800	4,419,600
Elk	-	-	-	-	5,400	1.50	8,100	1,028,700
Erie	-	-	-	-	21,300	2.10	44,700	5,676,900
Franklin	35,900	2.40	86,500	14,013,000	32,800	3.10	101,700	12,915,900
Fulton	-	-	-	-	20,200	1.80	36,400	4,622,800
Greene	-	-	-	-	32,200	1.80	58,000	7,366,000
Huntingdon	-	-	-	-	15,200	1.75	26,600	3,378,200
Indiana	17,200	1.45	24,900	4,033,800	15,200	2.65	40,300	5,118,100
Jefferson	17,700	1.15	20,400	3,304,800	16,400	1.90	31,200	3,962,400
Juniata	9,600	1.65	15,800	2,559,600	8,500	2.60	22,100	2,806,700
Lancaster	27,300	2.55	70,200	11,372,400	19,900	3.50	69,700	8,851,900
Lawrence	9,300	2.75	25,500	4,131,000	-	-	-	-
Lebanon	11,900	2.35	28,000	4,536,000	9,000	2.90	26,100	3,314,700
Lehigh	5,900	1.70	10,000	1,620,000	-	-	-	-
Luzerne	8,500	3.15	26,800	4,341,600	7,600	2.10	16,000	2,032,000
Lycoming	20,100	1.20	24,000	3,888,000	16,700	2.20	36,800	4,673,600
McKean	10,000	1.60	16,000	2,582,000	-	-	-	-
Mercer	24,200	2.10	51,000	8,262,000	22,000	2.10	46,200	5,867,400
Mifflin	7,000	1.75	12,300	1,992,600	6,500	2.50	16,300	2,070,100
Monroe	-	-	-	-	3,500	2.10	7,400	939,800
Northampton	5,700	1.55	8,800	1,425,600	5,100	2.20	11,200	1,422,400
Northumberland	9,200	1.85	17,000	2,754,000	7,900	2.30	18,200	2,311,400
Perry	26,900	1.75	47,700	7,727,400	24,000	2.25	54,000	6,858,000
Schuylkill	-	-	-	-	11,300	2.70	30,500	3,873,500
Snyder	9,600	2.00	19,200	3,110,400	8,400	2.20	18,500	2,349,500
Somerset	29,700	1.90	56,400	9,136,800	26,500	1.80	47,700	6,057,900
Susquehanna	-	-	-	-	39,700	1.55	61,500	7,810,500
Tioga	-	-	-	-	46,100	1.60	73,800	9,372,600
Union	-	-	-	-	4,200	2.40	10,100	1,282,700
Warren	-	-	-	-	13,500	2.20	29,700	3,771,900
Washington	54,000	1.35	72,900	11,809,800	48,500	1.55	75,000	9,525,000
Wayne	-	-	-	-	27,100	1.50	40,700	5,168,900
Westmoreland	24,800	1.40	34,700	5,621,400	21,600	1.80	38,900	4,940,300
York	32,700	2.10	68,700	11,129,400	29,100	2.50	72,800	9,245,600
Northwestern, Combined Counties	47,800	1.85	87,700	14,207,400	9,200	1.95	18,000	2,286,000
North Central, Combined Counties	81,400	1.35	111,700	18,095,400	28,800	1.95	55,900	7,099,300
Northeastern, Combined Counties	103,000	1.65	170,000	27,540,000	20,200	2.05	41,300	5,245,100
West Central, Combined Counties	26,700	1.75	46,100	7,468,200	14,500	2.20	31,900	4,051,300
Central, Combined Counties	22,900	1.65	37,900	6,139,800	12,600	2.35	29,300	3,721,100
East Central, Combined Counties	68,500	1.85	126,000	20,412,000	10,500	2.10	22,300	2,832,100
Southwestern, Combined Counties	54,400	2.30	126,000	20,412,000	28,200	1.70	47,300	6,007,100
Southeastern, Combined Counties	10,300	1.75	18,100	2,932,200	9,100	1.95	17,900	2,273,300
Northwestern	109,000	2.05	224,000	36,288,000	98,000	2.10	205,800	26,136,600
North Central	185,000	1.35	246,000	39,852,000	155,000	1.80	279,000	35,433,000
Northeastern	103,000	1.65	170,000	27,540,000	87,000	1.65	143,500	18,224,500
West Central	125,000	1.70	209,500	33,939,000	107,000	2.20	235,400	29,895,800
Central	165,000	1.80	296,000	47,952,000	145,000	2.20	319,000	40,513,000
East Central	43,000	1.95	83,500	13,527,000	38,000	2.30	87,400	11,099,800
Southwestern	177,000	1.65	290,000	46,980,000	157,000	1.70	266,900	33,896,300
South Central	173,000	2.20	378,000	61,236,000	157,000	2.50	392,400	49,834,800
Southeastern	120,000	2.20	263,000	42,606,000	106,000	2.60	275,600	35,001,200
Pennsylvania	1,200,000	1.80	2,160,000	349,920,000	1,050,000	2.10	2,205,000	280,035,000

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.

PA Hay Acres Harvested

All Hay Forage includes dry hay, haylage & greenchop

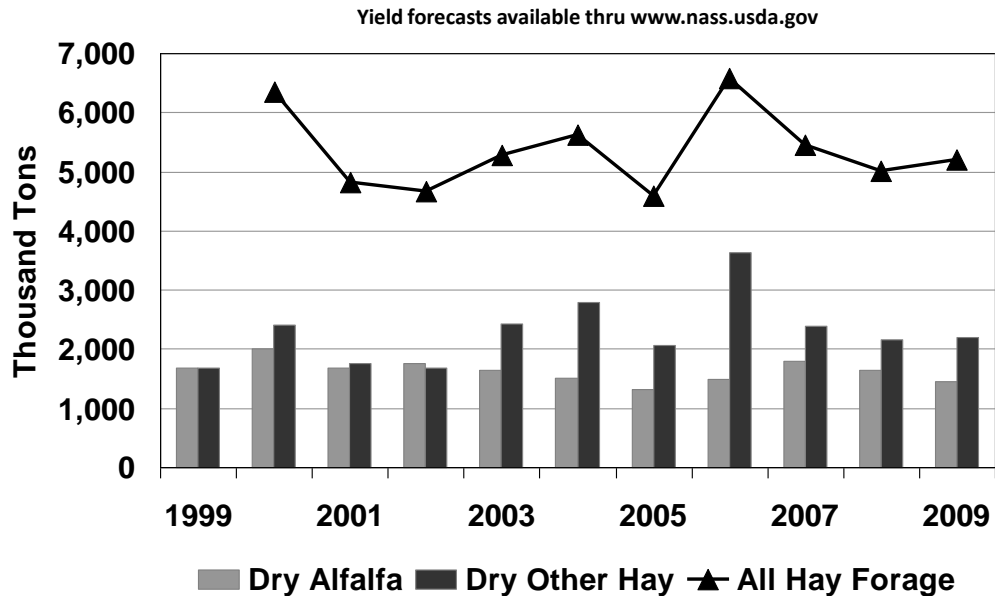


Jan 2010

National Ag Statistics Service-PA, USDA

PA Hay Production, Dry Equivalent

All Hay Forage includes dry hay, haylage & greenchop



Jan 2010

National Ag Statistics Service-PA, USDA

Pennsylvania: All Forage - Acreage, Yield, Production and Value, 2008-2009 ^{1 2 3}

County & district	2008				2009			
	Harvested	Yield Per Acre	Production	Value of production	Harvested	Yield per acre	Production	Value of production
	(acres)	(tons)	(tons)	(dollars)	(acres)	(tons)	(tons)	(dollars)
Armstrong	39,000	2.65	103,500	16,929,020	34,000	2.65	90,500	9,958,300
Beaver	17,000	3.30	55,900	9,603,580	-	-	-	-
Bedford	54,000	2.95	159,900	26,383,440	54,000	3.35	180,700	17,392,000
Berks	48,000	3.15	151,500	24,177,800	50,500	3.40	171,700	21,839,120
Blair	23,000	3.50	80,600	12,182,750	-	-	-	-
Bradford	100,800	1.75	178,500	25,056,700	-	-	-	-
Bucks	19,000	1.70	32,400	5,170,620	19,000	2.20	41,700	5,390,280
Butler	40,000	2.70	107,700	18,580,600	35,000	2.90	100,700	12,103,000
Cambria	20,000	3.10	61,800	10,449,550	-	-	-	-
Centre	33,000	2.85	93,600	15,513,350	32,000	3.60	115,400	8,247,650
Chester	43,500	3.30	144,600	23,370,830	45,000	3.20	143,300	18,878,110
Clarion	37,000	1.80	67,000	10,747,600	-	-	-	-
Clearfield	20,000	1.70	33,700	5,491,550	-	-	-	-
Clinton	12,500	2.55	31,700	4,890,850	-	-	-	-
Columbia	15,000	2.00	30,200	5,123,150	-	-	-	-
Crawford	63,000	2.65	167,100	24,890,940	-	-	-	-
Cumberland	37,000	3.40	126,300	19,936,620	37,000	3.20	118,000	14,756,300
Dauphin	22,000	3.35	73,300	11,664,200	-	-	-	-
Erie	-	-	-	-	25,000	2.85	70,700	7,023,300
Franklin	65,000	3.50	227,800	33,322,230	65,000	3.80	246,000	29,957,450
Huntingdon	-	-	-	-	30,000	3.25	97,100	8,390,220
Indiana	35,000	2.55	89,700	14,859,800	33,000	3.25	107,100	11,513,500
Jefferson	29,000	2.00	57,300	9,557,700	-	-	-	-
Juniata	20,500	3.30	67,400	10,603,050	19,500	3.40	66,100	5,333,550
Lancaster	81,000	4.05	330,000	54,712,160	85,500	3.85	330,900	43,451,530
Lawrence	18,000	3.65	65,900	11,025,800	-	-	-	-
Lebanon	26,000	3.40	88,000	12,682,500	-	-	-	-
Lehigh	11,000	2.85	31,200	5,454,470	-	-	-	-
Luzerne	11,000	3.30	36,200	5,911,210	-	-	-	-
Lycoming	36,000	2.05	73,700	11,416,960	-	-	-	-
McKean	12,000	1.90	22,900	3,574,630	-	-	-	-
Mercer	40,500	2.70	109,100	17,679,000	35,000	2.80	97,700	9,462,900
Mifflin	18,500	3.00	55,600	8,766,000	-	-	-	-
Monroe	-	-	-	-	4,700	2.10	9,800	1,245,800
Northampton	12,500	2.50	31,200	5,467,010	11,800	3.40	40,300	5,484,300
Northumberland	15,500	3.10	48,100	7,791,750	-	-	-	-
Perry	37,000	2.55	94,500	15,213,600	36,000	2.70	97,900	12,604,900
Schuylkill	-	-	-	-	17,500	3.35	58,200	6,168,500
Snyder	21,000	3.05	64,300	10,409,150	19,500	3.10	60,000	6,296,900
Somerset	55,000	2.55	141,500	21,549,840	55,000	2.50	138,200	17,414,680
Union	-	-	-	-	14,500	3.75	54,200	3,638,900
Washington	75,000	1.80	136,000	22,653,390	71,000	2.00	140,800	17,511,600
Westmoreland	43,500	2.50	108,800	18,058,530	43,000	2.20	95,100	11,106,200
York	46,000	2.50	116,000	18,950,300	44,000	3.15	138,200	15,809,300
Northwestern, Combined Counties	66,500	2.35	156,800	24,591,010	82,000	3.20	261,100	36,793,850
North Central, Combined Counties	113,700	1.95	222,200	33,638,310	241,000	2.65	637,000	78,452,350
Northeastern, Combined Counties	125,000	2.20	272,500	40,344,050	116,000	2.25	262,500	32,192,500
West Central, Combined Counties	-	-	-	-	92,000	2.70	248,700	38,944,150
Central, Combined Counties	54,500	3.15	170,900	24,845,100	136,500	3.05	414,800	71,826,080
East Central, Combined Counties	30,500	2.25	68,900	11,074,710	27,000	2.65	71,200	10,790,450
Southwestern, Combined Counties	91,500	2.25	203,700	33,254,690	86,000	2.20	190,400	27,963,670
South Central, Combined Counties	68,000	2.95	200,000	31,683,410	65,000	2.90	188,100	32,219,700
Southeastern, Combined Counties	12,500	2.05	25,500	4,146,690	38,000	3.25	122,900	15,370,060
Northwestern	170,000	2.55	433,000	67,160,950	142,000	3.00	429,500	53,280,050
North Central	275,000	1.90	529,000	78,577,450	241,000	2.65	637,000	78,452,350
Northeastern	125,000	2.20	272,500	40,344,050	116,000	2.25	262,500	32,192,500
West Central	215,000	2.55	547,000	91,304,100	194,000	2.80	547,000	72,518,950
Central	300,000	2.90	874,000	138,053,200	288,000	3.15	905,500	116,338,200
East Central	65,000	2.60	167,500	27,907,400	61,000	2.95	179,500	23,689,050
Southwestern	265,000	2.25	590,000	95,516,450	255,000	2.20	564,500	73,996,150
South Central	270,000	3.05	830,000	130,276,000	265,000	3.30	871,000	110,134,750
Southeastern	230,000	3.35	772,000	124,260,600	238,000	3.40	810,500	104,929,100
Pennsylvania	1,915,000	2.60	5,015,000	793,400,200	1,800,000	2.89	5,207,000	665,531,100

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.

Pennsylvania: Oats - Acreage, Yield, Production and Value, 2008, Revised

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 32 lbs.)	(bushels, 32 lbs.)	(dollars)
Adams	1,000	500	57.0	28,500	92,050
Armstrong	2,800	2,600	49.0	127,400	411,500
Beaver	1,200	1,000	63.0	63,000	203,490
Bedford	2,600	2,400	58.0	139,100	449,300
Berks	2,200	1,900	57.0	108,300	349,800
Blair	800	500	62.0	31,000	100,130
Bradford	3,000	1,300	57.0	74,100	239,340
Bucks	1,200	400	63.0	25,200	81,400
Butler	3,600	3,300	59.0	194,700	628,880
Cambria	5,400	5,200	63.0	327,500	1,057,830
Centre	2,000	1,400	49.0	68,600	221,580
Clarion	2,200	1,700	62.0	105,400	340,440
Clearfield	1,000	800	58.0	46,400	149,870
Columbia	2,100	1,300	49.0	63,700	205,750
Crawford	5,000	4,100	56.0	229,600	741,610
Cumberland	1,700	1,200	44.0	52,800	170,540
Erie	2,900	2,500	61.0	152,500	492,580
Fayette	1,200	1,000	56.0	56,000	180,880
Franklin	1,800	700	57.0	39,900	128,880
Fulton	1,300	600	48.5	29,100	93,990
Huntingdon	1,700	1,000	47.0	47,000	151,810
Indiana	5,200	5,100	61.0	311,000	1,004,540
Jefferson	1,800	1,700	63.0	107,100	345,930
Juniata	1,300	900	52.0	46,800	151,160
Lancaster	1,800	400	64.0	25,600	82,690
Lawrence	2,200	2,100	59.0	123,900	400,200
Lebanon	1,000	400	49.0	19,600	63,310
Lehigh	1,100	1,000	71.0	71,000	229,330
Luzerne	1,100	1,000	49.0	49,000	158,270
Lycoming	2,500	2,200	59.0	129,800	419,250
Mercer	4,200	4,000	60.5	242,000	781,660
Mifflin	1,100	900	65.0	58,500	188,960
Monroe	600	400	54.5	21,800	70,410
Montgomery	600	300	48.0	14,400	46,510
Northampton	800	600	62.0	37,200	120,160
Northumberland	1,400	1,100	68.0	74,800	241,600
Perry	1,700	1,300	55.0	71,500	230,940
Potter	800	600	47.0	28,200	91,090
Schuylkill	2,300	2,000	55.0	110,000	355,300
Snyder	1,600	1,200	59.0	70,800	228,680
Somerset	6,000	5,500	70.0	385,000	1,243,550
Susquehanna	1,000	300	52.0	15,600	50,390
Tioga	1,700	1,100	62.0	68,200	220,290
Union	700	400	58.0	23,200	74,940
Venango	1,200	1,000	40.0	40,000	129,200
Washington	1,800	1,000	64.0	64,000	206,720
Westmoreland	2,500	2,200	51.0	112,200	362,410
Wyoming	500	300	46.0	13,800	44,570
York	2,100	1,100	56.0	61,600	198,970
Northwestern, Combined Counties	1,200	900	53.8	48,400	156,330
North Central, Combined Counties	1,500	800	44.6	35,700	115,310
Northeastern, Combined Counties	500	400	51.5	20,600	66,540
Central, Combined Counties	2,200	1,500	56.8	85,200	275,200
East Central, Combined Counties	600	500	49.0	24,500	79,130
Southwestern, Combined Counties	500	300	42.7	12,800	41,340
Southeastern, Combined Counties	1,200	100	64.0	6,400	20,670
Northwestern	14,500	12,500	57.0	712,500	2,301,380
North Central	9,500	6,000	56.0	336,000	1,085,280
Northeastern	2,000	1,000	50.0	50,000	161,500
West Central	19,000	17,500	59.0	1,032,500	3,334,980
Central	23,000	17,500	58.0	1,015,000	3,278,450
East Central	6,500	5,500	57.0	313,500	1,012,600
Southwestern	12,000	10,000	63.0	630,000	2,034,900
South Central	10,500	6,500	54.0	351,000	1,133,730
Southeastern	8,000	3,500	57.0	199,500	644,380
Pennsylvania	105,000	80,000	58.0	4,640,000	14,987,200

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.

Pennsylvania: Oats - Acreage, Yield, Production and Value, 2009 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 32 lbs.)	(bushels, 32 lbs.)	(dollars)
Adams	1,300	900	60.0	54,000	147,960
Armstrong	2,900	2,300	51.0	117,300	321,400
Beaver	1,200	1,000	67.0	67,000	183,580
Bedford	2,700	2,100	55.0	115,500	316,470
Berks	2,200	1,800	54.0	97,200	266,330
Bradford	3,000	1,600	58.0	92,800	254,270
Bucks	1,200	1,000	63.0	63,000	172,620
Butler	3,400	3,300	60.0	198,000	542,520
Cambria	5,400	4,900	66.0	323,400	886,120
Centre	2,400	1,800	75.0	135,000	369,900
Clarion	2,100	1,600	51.0	81,600	223,580
Clearfield	1,000	800	56.0	44,400	121,660
Columbia	2,100	1,300	62.0	80,600	220,840
Crawford	5,500	3,900	58.0	226,200	619,790
Cumberland	2,000	1,500	66.0	99,000	271,260
Dauphin	1,300	1,000	61.0	61,000	167,140
Erie	3,200	2,500	56.0	138,750	380,180
Fayette	1,200	1,000	49.0	49,000	134,260
Franklin	2,200	600	66.0	39,300	107,680
Fulton	1,400	900	68.0	61,200	167,690
Huntingdon	1,300	600	61.0	36,600	100,280
Indiana	5,200	4,800	63.0	302,400	828,580
Jefferson	1,900	1,600	54.0	85,600	234,540
Juniata	1,500	1,000	60.0	60,000	164,400
Lawrence	2,300	1,900	64.0	121,600	333,190
Lehigh	1,100	900	67.0	60,300	165,220
Luzerne	1,000	900	38.0	34,200	93,710
Lycoming	2,500	2,000	64.0	128,000	350,720
Mercer	4,200	3,900	62.0	241,800	662,530
Mifflin	1,000	900	71.0	63,900	175,090
Montour	1,000	700	60.0	42,000	115,080
Northampton	800	500	67.0	33,500	91,790
Northumberland	1,400	1,000	77.0	77,000	210,980
Perry	1,700	1,200	77.0	92,400	253,180
Potter	900	800	63.0	50,400	138,090
Schuylkill	2,500	1,900	68.0	129,200	354,010
Snyder	1,400	1,100	65.0	71,500	195,910
Somerset	6,700	5,700	61.0	347,700	952,700
Susquehanna	1,100	600	60.0	36,000	98,640
Tioga	2,100	1,200	67.0	80,400	220,300
Venango	1,300	900	52.0	46,800	128,230
Washington	1,800	1,100	52.0	57,200	156,730
Westmoreland	2,800	2,300	59.0	135,700	371,820
York	2,400	1,500	64.0	96,000	263,040
Northwestern, Combined Counties	1,300	800	68.0	54,450	149,190
North Central, Combined Counties	1,500	900	43.0	38,400	105,220
Northeastern, Combined Counties	1,400	400	44.0	17,500	47,950
Central, Combined Counties	1,500	700	73.0	51,200	140,280
East Central, Combined Counties	1,100	800	66.0	52,800	144,670
Southwestern, Combined Counties	500	400	49.0	19,400	53,150
Southeastern, Combined Counties	5,100	1,200	60.0	71,800	196,730
Northwestern	15,500	12,000	59.0	708,000	1,939,920
North Central	10,000	6,500	60.0	390,000	1,068,600
Northeastern	2,500	1,000	54.0	53,500	146,590
West Central	19,000	16,500	59.0	973,500	2,667,390
Central	23,000	17,000	67.0	1,139,000	3,120,860
East Central	6,500	5,000	62.0	310,000	849,400
Southwestern	13,000	10,500	58.0	609,000	1,668,660
South Central	12,000	7,500	62.0	465,000	1,274,100
Southeastern	8,500	4,000	58.0	232,000	635,680
Pennsylvania	110,000	80,000	61.0	4,880,000	13,371,200

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: Soybeans - Acreage, Yield, Production and Value, 2008, Revised

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Armstrong	3,600	3,600	30.5	110,000	962,500
Berks	24,800	24,300	42.0	1,020,000	8,925,000
Blair	3,800	3,700	39.5	147,000	1,286,250
Butler	9,400	9,300	38.5	360,000	3,150,000
Centre	9,300	9,200	35.0	320,000	2,800,000
Columbia	10,000	9,800	38.5	379,000	3,316,250
Dauphin	10,900	10,700	35.5	382,000	3,342,500
Juniata	6,400	6,300	36.5	230,000	2,012,500
Lancaster	27,000	26,500	45.0	1,190,000	10,412,500
Lebanon	18,800	18,400	44.0	810,000	7,087,500
Lehigh	12,700	12,600	41.0	516,000	4,515,000
Northumberland	17,900	17,600	44.0	771,000	6,746,250
Perry	7,600	7,500	38.5	287,000	2,511,250
Snyder	7,000	6,900	37.0	257,000	2,248,750
Union	7,600	7,500	36.0	270,000	2,362,500
York	38,400	38,200	43.0	1,640,000	14,350,000
Northwestern, Combined Counties	45,300	45,000	42.0	1,900,000	16,625,000
West Central, Combined Counties	23,700	23,600	39.0	920,000	8,050,000
Central, Combined Counties	16,900	16,700	38.0	637,000	5,573,750
East Central, Combined Counties	25,400	25,300	37.0	934,000	8,172,500
Southwestern, Combined Counties	16,300	16,100	34.5	554,000	4,847,500
South Central, Combined Counties	52,500	52,100	36.5	1,898,000	16,607,500
Southeastern, Combined Counties	27,400	26,900	43.5	1,168,000	10,220,000
Northwestern	45,300	45,000	42.0	1,900,000	16,625,000
West Central	36,700	36,500	38.0	1,390,000	12,162,500
Central	97,400	95,900	38.5	3,680,000	32,200,000
East Central	38,100	37,900	38.5	1,450,000	12,687,500
Southwestern	16,300	16,100	34.5	554,000	4,847,500
South Central	90,900	90,300	39.0	3,538,000	30,957,500
Southeastern	98,000	96,100	43.5	4,188,000	36,645,000
Combined Districts	12,300	12,200	41.0	500,000	4,375,000
Pennsylvania	435,000	430,000	40.0	17,200,000	150,500,000

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.

Pennsylvania: Soybeans - Acreage, Yield, Production and Value, 2009 ¹

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	19,400	19,200	44.5	859,100	8,032,600
Armstrong	3,600	3,500	37.5	132,100	1,235,100
Bedford	4,200	4,200	37.5	158,500	1,482,000
Berks	20,500	20,500	53.0	1,085,800	10,152,200
Blair	3,600	3,500	43.5	153,100	1,431,500
Butler	8,200	8,200	42.0	345,000	3,225,800
Centre	9,300	9,200	41.5	384,000	3,590,400
Clarion	2,700	2,700	42.0	114,000	1,065,900
Columbia	10,300	10,200	44.5	456,400	4,267,300
Crawford	17,000	16,700	41.0	687,000	6,423,500
Cumberland	13,300	13,200	50.0	663,200	6,200,900
Dauphin	11,800	11,700	48.5	570,300	5,332,300
Franklin	15,100	14,800	45.0	662,300	6,192,500
Fulton	700	700	28.0	19,700	184,200
Huntingdon	3,400	3,400	49.0	167,300	1,564,300
Indiana	10,100	10,000	40.0	398,000	3,721,300
Juniata	6,700	6,600	45.5	301,900	2,822,800
Lancaster	33,000	32,900	56.0	1,834,200	17,149,800
Lawrence	8,500	8,500	45.0	384,200	3,592,300
Lebanon	22,200	22,200	54.0	1,193,300	11,157,400
Lehigh	13,100	12,800	48.5	623,900	5,833,500
Luzerne	2,700	2,700	35.0	95,100	889,200
Mercer	17,200	17,100	41.5	706,400	6,604,800
Montour	5,800	5,700	48.5	277,800	2,597,400
Northumberland	20,000	19,900	49.5	990,000	9,256,500
Perry	7,800	7,700	44.5	344,000	3,216,400
Schuylkill	7,700	7,600	44.0	334,000	3,122,900
Snyder	6,900	6,800	43.5	296,000	2,767,600
Union	8,000	7,900	50.0	393,400	3,678,300
York	38,600	38,100	47.0	1,797,700	16,808,300
Northwestern, Combined Counties	12,800	12,600	30.5	381,300	3,565,200
West Central, Combined Counties	5,200	5,200	34.5	179,200	1,675,500
Central, Combined Counties	7,900	7,900	46.0	363,800	3,401,500
East Central, Combined Counties	15,300	15,000	48.5	728,100	6,807,700
Southwestern, Combined Counties	16,500	15,800	36.5	580,600	5,428,600
Southeastern, Combined Counties	27,300	26,900	46.5	1,244,200	11,633,300
Northwestern	47,000	46,400	38.0	1,774,700	16,593,400
West Central	38,300	38,100	40.5	1,552,500	14,515,900
Central	101,500	100,500	46.5	4,698,000	43,926,300
East Central	38,800	38,100	46.5	1,781,100	16,653,300
Southwestern	16,500	15,800	36.5	580,600	5,428,600
South Central	91,300	90,200	46.0	4,160,500	38,900,700
Southeastern	103,000	102,500	52.5	5,357,500	50,092,600
Combined Districts	13,600	13,400	42.0	565,100	5,283,700
Pennsylvania	450,000	445,000	46.0	20,470,000	191,394,500

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: Winter Wheat - Acreage, Yield, Production and Value, 2008, Revised

County & District	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	12,900	11,000	68.0	750,000	4,065,000
Armstrong	1,500	1,500	44.0	66,000	357,700
Beaver	900	900	49.0	44,000	238,500
Berks	12,500	12,300	60.0	738,000	4,000,000
Bucks	2,800	2,800	62.0	174,000	943,100
Butler	2,600	2,500	50.0	125,000	677,500
Centre	3,600	3,500	70.5	247,000	1,338,700
Chester	8,000	7,900	71.5	565,000	3,062,300
Clarion	600	600	63.5	38,000	206,000
Clinton	1,100	1,000	60.5	60,400	327,400
Columbia	5,200	5,100	61.5	314,000	1,701,900
Cumberland	9,000	8,400	64.5	540,000	2,926,800
Dauphin	4,800	4,600	65.0	298,000	1,615,200
Erie	3,600	3,400	49.5	168,000	910,500
Franklin	9,800	8,100	69.0	560,000	3,035,200
Huntingdon	1,500	1,500	62.0	93,100	504,600
Indiana	1,700	1,600	47.0	75,000	406,500
Jefferson	500	500	32.0	16,000	86,700
Juniata	1,800	1,700	59.0	100,000	542,000
Lancaster	14,000	13,500	79.0	1,067,000	5,783,200
Lawrence	2,800	2,600	52.0	135,000	731,700
Lebanon	6,000	5,600	75.0	420,000	2,276,400
Lehigh	8,500	8,400	69.5	582,000	3,154,400
Luzerne	1,200	1,200	48.5	58,000	314,400
Lycoming	1,900	1,700	56.0	95,100	515,400
Mercer	4,200	4,100	52.0	214,000	1,159,900
Mifflin	1,200	1,100	71.0	77,900	422,200
Monroe	700	700	57.0	40,000	216,800
Northumberland	4,000	3,900	62.5	244,000	1,322,500
Perry	3,900	3,800	60.5	230,000	1,246,600
Potter	700	600	71.5	43,000	233,100
Schuylkill	5,600	5,500	57.5	317,000	1,718,100
Snyder	1,800	1,700	62.5	106,000	574,500
Somerset	1,200	1,200	58.5	70,000	379,400
Union	2,000	1,900	60.5	115,000	623,300
Westmoreland	3,100	3,100	69.5	215,400	1,167,500
York	24,300	23,900	67.5	1,612,000	8,737,100
Northwestern, Combined Counties	3,800	3,700	51.0	189,000	1,024,400
North Central, Combined Counties	1,300	1,100	47.5	52,500	284,500
Northeastern, Combined Counties	500	400	52.5	21,000	113,800
Central, Combined Counties	5,200	5,100	57.5	294,000	1,593,500
East Central, Combined Counties	5,000	4,900	64.5	316,000	1,712,700
Southwestern, Combined Counties	1,700	1,600	43.0	68,600	371,800
South Central, Combined Counties	4,300	3,100	55.0	170,000	921,400
Southeastern, Combined Counties	1,700	1,700	68.0	116,000	628,700
Northwestern	11,600	11,200	51.0	571,000	3,094,800
North Central	5,000	4,400	57.0	251,000	1,360,400
Northeastern	500	400	52.5	21,000	113,800
West Central	10,600	10,200	49.0	499,000	2,704,600
Central	35,000	33,900	62.5	2,119,000	11,485,000
East Central	21,000	20,700	63.5	1,313,000	7,116,500
Southwestern	6,000	5,900	60.0	354,000	1,918,700
South Central	60,300	54,500	66.5	3,632,000	19,685,500
Southeastern	45,000	43,800	70.5	3,080,000	16,693,700
Pennsylvania	195,000	185,000	64.0	11,840,000	64,173,000

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.

Pennsylvania: Winter Wheat - Acreage, Yield, Production and Value, 2009 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(bushels, 60 lbs.)	(bushels, 60 lbs.)	(dollars)
Adams	10,800	9,900	54.5	542,000	2,222,200
Armstrong	1,500	1,300	45.5	59,000	241,900
Beaver	900	900	50.5	45,600	187,000
Bedford	1,900	1,800	58.0	104,000	426,400
Berks	11,300	10,800	53.5	578,500	2,371,900
Cambria	2,500	2,500	49.0	123,000	504,300
Centre	3,900	3,900	59.5	232,000	951,200
Chester	9,000	9,000	62.5	564,500	2,314,400
Columbia	5,700	5,700	57.0	324,400	1,330,000
Crawford	2,400	1,500	52.0	78,000	319,800
Cumberland	8,200	7,500	54.5	410,000	1,681,000
Dauphin	4,200	4,200	60.0	251,000	1,029,100
Franklin	11,300	8,500	63.5	540,000	2,214,000
Fulton	2,000	1,400	52.0	73,000	299,300
Huntingdon	1,700	1,600	48.0	76,500	313,700
Jefferson	500	500	40.0	20,100	82,400
Lancaster	14,600	14,300	69.0	985,500	4,040,600
Lawrence	2,700	2,700	58.0	156,000	639,600
Lebanon	6,500	5,700	58.0	332,000	1,361,200
Lehigh	8,500	6,400	55.0	350,900	1,438,700
Monroe	500	500	57.0	28,500	116,800
Montour	1,400	1,400	45.5	63,500	260,300
Northampton	3,700	3,700	52.5	194,700	798,300
Perry	3,300	2,700	43.5	117,900	483,400
Snyder	1,700	1,700	37.0	62,700	257,100
Union	2,000	2,000	57.0	114,200	468,200
York	21,800	21,800	56.0	1,226,100	5,027,000
Northwestern, Combined Counties	8,700	8,200	51.5	422,000	1,730,200
West Central, Combined Counties	4,800	4,800	48.0	229,300	940,100
Central, Combined Counties	8,800	7,900	57.0	449,200	1,841,700
East Central, Combined Counties	6,800	6,400	59.0	377,900	1,549,400
Southwestern, Combined Counties	7,100	5,700	47.0	268,500	1,100,900
Southeastern, Combined Counties	3,900	3,500	39.0	136,000	557,600
Northwestern	11,100	9,700	51.5	500,000	2,050,000
West Central	10,400	10,200	50.0	510,000	2,091,000
Central	35,200	33,600	54.0	1,814,400	7,439,000
East Central	19,500	17,000	56.0	952,000	3,903,200
Southwestern	7,100	5,700	47.0	268,500	1,100,900
South Central	56,000	50,900	57.0	2,895,100	11,869,900
Southeastern	45,300	43,300	60.0	2,596,500	10,645,700
Combined Districts	5,400	4,600	57.5	263,500	1,080,300
Pennsylvania	190,000	175,000	56.0	9,800,000	40,180,000

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, released in the **Agricultural Prices Summary** report published in late-July/mid-August by USDA, NASS.

Fruit and Berries

By Jillayne K. Weaber

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 678 million pounds, up 1 percent from 2008.

Apples - The 2009 commercial apple crop, utilized production, in Pennsylvania totaled 483 million pounds, up 12 percent from utilized production in 2008. The crop was valued at 67.1 million dollars, down 13 percent from the 2008 value. Pennsylvania ranked 4th nationally in utilized apple production.

Grapes - Pennsylvania's 2009 grape crop, utilized production, was 62,000 tons, down 34 percent from 2008. The total value of utilized production was 18.6 million dollars. The Commonwealth's utilized grape production ranked 5th nationally.

Pears - The utilized production of pears in Pennsylvania

totaled 5,720 tons, up 138 percent from 2008. The utilized crop was valued at 4.1 million dollars. The Commonwealth ranked 5th nationally in utilized pear production.

Peaches - Utilized peach production in Pennsylvania totaled 27,800 tons in 2009, up 31 percent from 2008. The season-average price of \$1040 per ton was up \$20 from 2008. The total value of utilized production was 29.0 million dollars. Nationally, Pennsylvania ranked 5th in utilized peach production.

Tart Cherries - Utilized tart cherry production in Pennsylvania totaled 3.9 million pounds, unchanged from last year's crop. The season average price was 0.250 dollars per pound, compared with 0.425 dollars per pound in 2008. The total value of utilized production was 974 thousand dollars. Nationally, Pennsylvania ranked 6th in utilized production of tart cherries.

Pennsylvania: Fruit and Nuts, 2007 and 2002

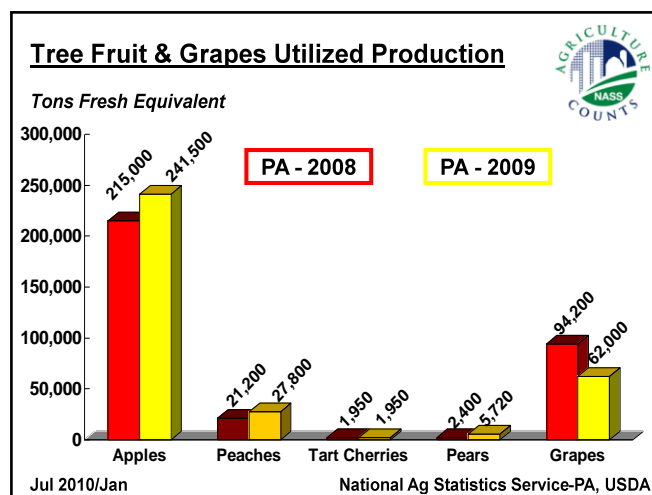
Data taken from the 2007 Census of Agriculture published February 4, 2009

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, 1970-2009

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
2005	21,800	22,900	500.0	495.0	0.100	49,550
2006	21,000	22,400	470.0	467.0	0.128	59,813
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
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
2005	800	3,250	2.6	2.6	0.315	819
2006	700	7,430	5.2	5.2	0.283	1,474
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
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
2005	12,800	7.03	90,000	90,000	214	19,221
2006	13,300	6.17	82,000	82,000	247	20,280
2007	13,600	6.18	84,000	84,000	266	22,362
2008	13,600	7.88	107,200	94,200	296	27,874
2009	13,600	4.71	64,000	62,000	299	18,563
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
2005	4,500	5.91	26,600	26,600	715	19,011
2006	4,300	5.02	21,600	21,300	913	19,454
2007	4,400	4.41	19,400	19,400	903	17,524
2008	4,400	4.82	21,200	21,200	1020	21,528
2009	4,400	6.34	27,900	27,800	1040	28,967
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
2005	800	2.63	2,100	2,100	597	1,254
2006	800	4.88	3,900	3,800	712	2,706
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

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

Pennsylvania: Apples - Utilization and Price, 1970-2009

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
2005	127.0	0.185	23,495	368.0	0.071	26,055
2006	132.0	0.257	33,924	335.0	0.078	25,889
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

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

Pennsylvania: Apples - Processing Utilization and Price, 1970-2009

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
2005	267.0	0.080	21,360	92.0	0.043	3,910	²
2006	258.0	0.084	21,672	67.0	0.051	3,417	²
2007	230.0	0.083	19,090	90.0	0.070	6,300	²
2008	189.0	0.130	24,570	46.0	0.100	4,600	²
2009	225.0	0.081	18,113	78.0	0.043	3,315	²

¹ Value of production based on final State marketing year average price. ² Data no longer published.

Pennsylvania: Grapes - Utilization and Price, 1970-2009

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
2005	500	670	335	89,500	211	18,886
2006	300	700	210	81,700	246	20,070
2007	500	850	425	83,500	263	21,937
2008	1,500	700	1,050	92,700	289	26,824
2009	200	900	180	61,800	297	18,383

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

Pennsylvania: Grapes - Processing Utilization and Price, 1970-2009

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
2005	74,400	168	12,499	15,100	423	6,387
2006	65,500	205	13,428	16,200	410	6,642
2007	69,000	216	14,904	14,500	485	7,033
2008	79,500	270	21,465	13,200	406	5,359
2009	53,400	273	14,578	8,400	453	3,805

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, 1970-2009

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
2005	77,500		2005	6,000
2006	71,400		2006	5,000
2007	71,500		2007	5,600
2008	81,500		2008	6,200
2009	55,800		2009	3,300

Pennsylvania: Wine Grapes – Quantity, Price and Value of Sales, 2004-2005

Variety	2004			2005		
	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)
Concord	10,300	239	2,458,600	10,500	225	2,362,500
Niagara	300	268	80,400	500	285	142,500
Vinifera	1,100	1,630	1,793,000	1,300	1,670	2,171,000
Hybrid	1,000	770	770,000	1,800	750	1,350,000
Other	600	430	258,000	1,000	365	365,000
Total	13,300	403	5,360,000	15,100	423	6,391,000

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

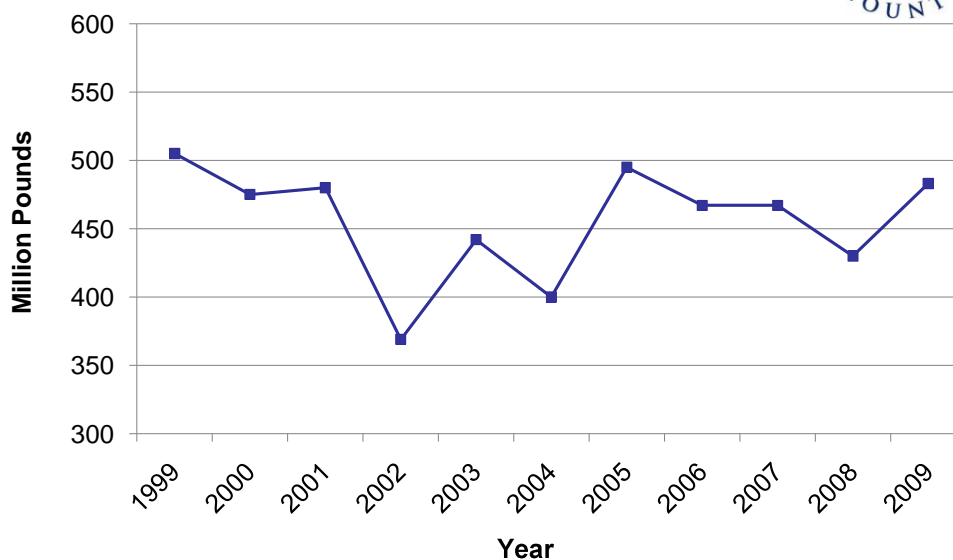
Variety	2008			2009		
	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)	Quantity (tons)	Average price (dols./ton)	Value of sales (dollars)
Concord	9,500	229	2,176,000	5,800	233	1,354,000
Niagara	200	364	73,000	300	593	178,000
Vinifera	900	1,633	1,469,600	700	1,849	1,294,000
Hybrid	1,000	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: Apples - Utilized Production and Value, 2008-2009

County & District	2008		2009	
	Production (1,000 lbs.)	Value of production ¹ (dols.)	Production (1,000 lbs.)	Value of production ¹ (dols.)
Adams	264,100	47,502,000	299,000	41,551,000
Bedford	18,200	3,276,000	22,000	3,058,000
Berks	12,600	2,268,000	16,400	2,279,600
Columbia	2,300	414,000	2,100	291,900
Cumberland	8,100	1,458,000	9,500	1,320,500
Lancaster	6,500	1,170,000	6,700	931,300
Lycoming	4,700	846,000	5,500	764,500
Schuylkill	5,400	972,000	5,600	778,400
Snyder	6,700	1,206,000	-	-
York	-	-	10,500	1,459,500
Northwestern, Combined Counties	5,100	918,000	4,600	639,400
North Central, Combined Counties	1,400	252,000	1,600	222,400
Northeastern, Combined Counties	1,000	180,000	-	-
West Central, Combined Counties	4,200	756,000	-	-
Central, Combined Counties	22,500	4,050,000	29,400	4,086,600
East Central, Combined Counties	6,200	1,116,000	6,800	945,200
Southwestern, Combined Counties	3,500	630,000	3,300	458,700
South Central, Combined Counties	54,100	9,738,000	50,000	6,950,000
Southeastern, Combined Counties	3,400	612,000	4,800	667,200
Northwestern	5,100	918,000	4,600	639,400
North Central	6,100	1,098,000	7,100	986,900
Northeastern	1,000	180,000	-	-
West Central	4,200	756,000	-	-
Central	31,500	5,670,000	31,500	4,378,500
East Central	11,600	2,088,000	12,400	1,723,600
Southwestern	3,500	630,000	3,300	458,700
South Central	344,500	61,974,000	391,000	54,339,000
Southeastern	22,500	4,050,000	27,900	3,878,100
Combined counties/districts ²	-	-	5,200	722,800
Pennsylvania	430,000	77,364,000	483,000	67,127,000

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

PA Apples Utilized Production, 1999-2009



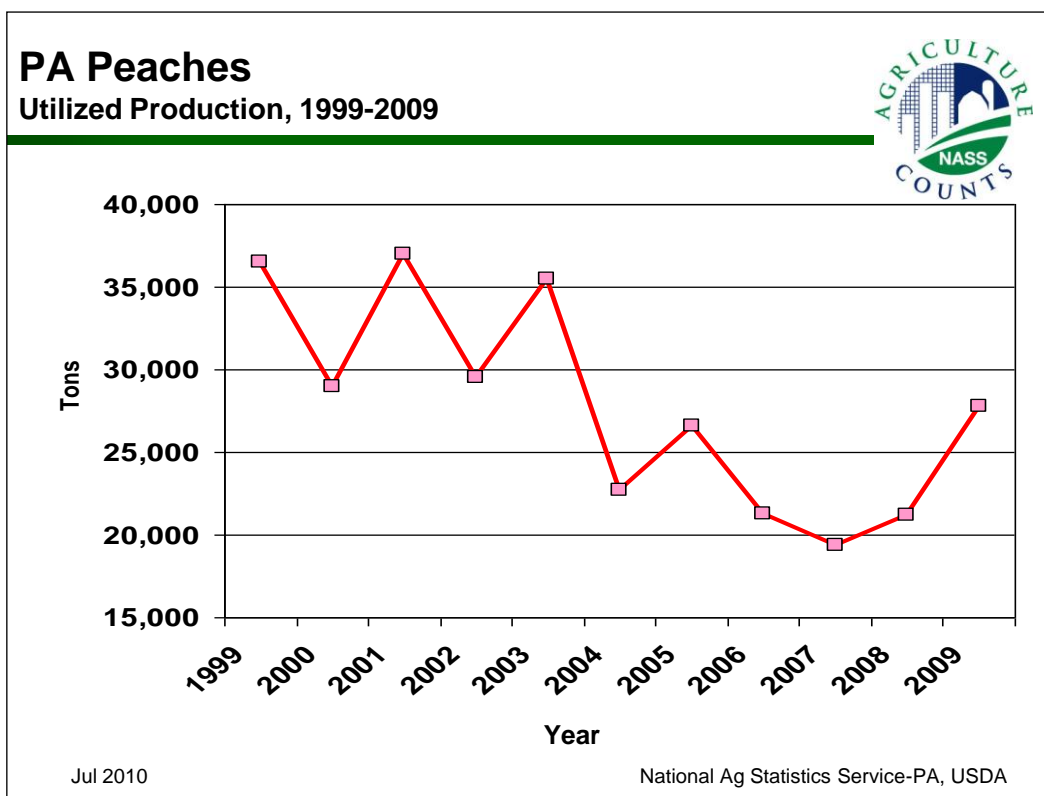
Jul 2010

National Ag Statistics Service-PA, USDA

Pennsylvania: Peaches - Utilized Production and Value, 2008-2009

County & District	2008		2009	
	Production (tons)	Value of production ¹ (dols.)	Production (tons)	Value of production ¹ (dols.)
Adams	6,900	7,035,000	9,150	9,520,000
Bedford	450	455,000	-	-
Berks	2,100	2,142,000	2,630	2,736,000
Bucks	290	294,000	-	-
Erie	-	-	410	426,400
Franklin	3,400	3,463,000	3,410	3,549,000
Lancaster	1,320	1,344,000	1,320	1,378,100
York	1,820	1,856,100	1,740	1,810,000
Central, Combined Counties	1,550	1,553,500	-	-
East Central, Combined Counties	1,950	1,955	2,470	2,579,000
South Central, Combined Counties	-	-	880	917,000
Southeastern, Combined Counties	300	300,000	1,180	1,235,000
Northwestern	-	-	410	426,400
Central	1,550	1,553,500	-	-
East Central	1,950	1,955,800	2,470	2,579,000
South Central	12,570	12,809,100	15,180	15,796,000
Southeastern	4,010	4,080,000	5,130	5,349,100
Combined counties/districts ²	1,120	1,129,600	4,610	4,816,500
Pennsylvania	21,200	21,528,000	27,800	28,967,000

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



Maple Syrup, 2010

By Bathsheba Bryant

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

Pennsylvania's 2010 maple syrup production is estimated at 54,000 gallons, down 41 percent from last year's production of 92,000 gallons. The value of the syrup produced in 2009 is estimated at \$3.50 million, down from the \$3.83 million produced in the year 2008.

The number of taps in Pennsylvania totaled 465,000 during 2010, compared with 464,000 taps the year before. Pennsylvania's yield for the year 2010 averaged 0.116 gallons per tap, down from the 0.198 gallons per tap last year.

Nationally, maple syrup production in 2010 totaled 1.96 million gallons, down 19 percent from 2009. The number of taps is estimated at 9.27 million, 3 percent above the 2009 revised total of 8.98 million. Yield per tap is estimated to be 0.211 gallons, down 21 percent from the previous season's revised yield.

The 2010 season lasted an average of 21 days. This compares to 28 days in 2009. Sugar content of the sap for 2010 was up from the previous year. On average, approximately 46 gallons of sap were required to produce one gallon of syrup. This compares with 43 gallons in 2009 and 39 gallons in 2008. The majority of the syrup produced in each State this year was medium to dark color with the exception of Maine.

The 2009 U.S. average price per gallon was \$37.80, down \$2.90 from the revised 2008 price of \$40.70. The U.S. value of production, at \$90.8 million for 2009, was up 17 percent from the revised previous season. Value of production increased in Maine, Michigan, New York, Vermont, and Wisconsin.

Maple Syrup: Taps, Yield, Production and Value By State and United States, 2009-2010 ¹

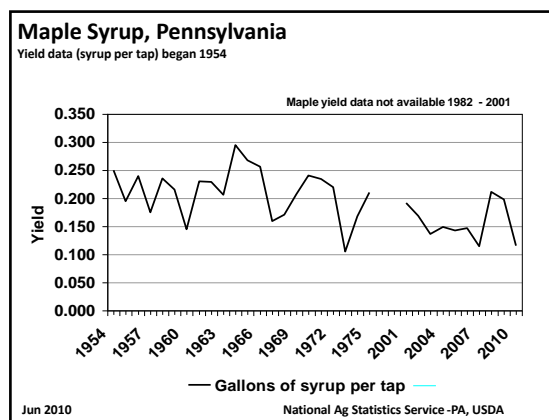
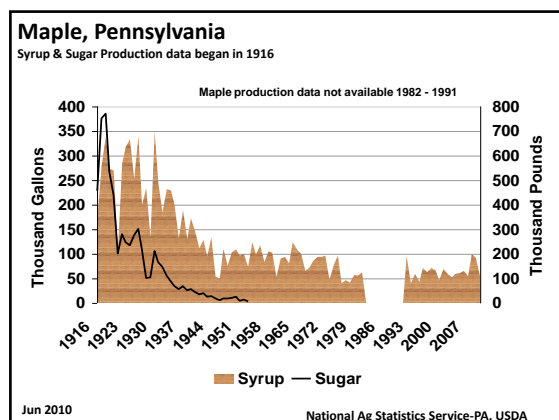
State	Number of Taps		Yield per Tap		Production		Value of Production ²	
	2009	2010	2009	2010	2009	2010	2008	2009
	(1,000 taps)	(1,000 taps)	(gallons)	(gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 dols.)	(1,000 dols.)
CT	71	75	0.183	0.120	13	9	1,184	800
ME	1,470	1,430	0.269	0.217	395	310	8,832	12,996
MA	230	250	0.200	0.116	46	29	3,023	2,466
MI	450	490	0.256	0.167	115	82	4,305	5,175
NH	385	420	0.244	0.207	94	87	5,111	4,756
NY	1,830	1,903	0.240	0.164	439	312	13,907	17,823
OH	375	385	0.240	0.169	90	65	3,790	3,627
PA	464	465	0.198	0.116	92	54	3,830	3,505
VT	3,030	3,200	0.304	0.278	920	890	28,045	32,292
WI	670	650	0.299	0.180	200	117	5,865	7,340
US	8,975	9,268	0.268	0.211	2,404	1,955	77,892	90,780

¹ 2009 data is revised. ² Value for 2010 is not available until June 2011.

Pennsylvania: Maple Syrup - Taps, Yield, Production and Value, 1970-2008

State	Number of Taps	Yield per Tap	Production	Value of Production
	(1,000 taps)	(gallons)	(1,000 gallons)	(1,000 dollars)
1970	na	na	94	545
1980	na	na	56	857
1990 ¹	-	-	-	-
2000	na	na	47	1,335
2005	428	0.143	61	1,922
2006	449	0.147	66	2,145
2007	445	0.115	55	1,738
2008	475	0.211	100	3,830

¹ Survey was discontinued from 1982-1991.



Maple Syrup: Percent of Sales by Type and State, 2008-2009

State	Retail		Wholesale		Bulk	
	2008	2009	2008	2009	2008	2009
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
CT	70	40	15	55	15	5
ME	1	1	1	8	98	92
MA	40	65	35	25	25	10
MI	42	58	20	17	38	25
NH	60	55	15	10	25	35
NY	36	39	22	15	42	46
OH	53	47	11	18	36	35
PA	54	81	25	4	21	15
VT	20	10	10	5	70	85
WI	43	30	14	14	43	56

Maple Syrup: Price by Type of Sales and Size of Container by State, 2008-2009¹

Type and State	Gallons		½ Gallons		Quarts		Pints		½ Pints	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Retail										
CT	54.10	57.00	27.60	31.70	16.80	18.30	11.00	11.50	7.00	7.55
ME	45.20	52.50	25.20	28.10	14.20	15.10	8.30	9.45	5.50	7.20
MA	48.00	42.50	23.20	27.80	14.00	16.60	8.75	11.40	6.05	7.75
MI	36.30	42.70	20.90	21.80	12.00	12.70	7.40	7.80	5.00	5.60
NH	44.30	49.30	25.30	28.00	14.60	16.40	8.65	9.85	5.10	6.35
NY	38.10	40.10	22.90	24.10	14.00	14.90	8.85	9.40	5.85	6.25
OH	33.60	37.70	20.20	22.10	12.40	13.40	7.80	8.35	5.35	5.55
PA	37.30	38.00	22.00	21.70	13.00	12.70	7.15	7.90	4.40	4.90
VT	40.60	43.90	24.10	25.50	15.00	15.50	9.65	9.20	6.35	6.00
WI	37.70	37.30	21.50	21.10	10.70	11.30	7.40	7.30	5.20	4.70
Wholesale										
CT	46.80	46.30	27.70	23.60	14.60	13.20	8.90	8.65	5.75	5.55
ME	38.40	40.50	21.80	25.00	11.90	13.00	6.90	7.00	4.30	4.50
MA	42.20	41.90	24.20	25.20	13.00	14.00	7.40	7.45	4.95	4.90
MI	30.70	35.40	18.00	21.00	10.10	11.20	6.10	6.30	3.70	4.20
NH	38.60	40.60	22.90	21.60	13.40	11.40	7.70	6.65	4.15	3.95
NY	35.90	38.30	20.80	22.30	11.60	12.30	6.50	7.00	4.00	4.25
OH	32.50	35.90	18.00	21.20	11.20	12.60	6.70	7.55	4.80	5.25
PA	34.60	32.20	17.80	17.90	10.20	10.20	5.95	6.20	4.40	4.10
VT	38.10	38.50	21.70	23.20	12.60	13.40	7.45	7.80	5.10	4.80
WI	35.50	37.30	20.80	23.80	11.70	11.80	6.50	7.20	4.20	4.00
Type and State	Bulk All Grades		Bulk All Grades							
	2008	2009	2008	2009						
	(dollars per pound)	(dollars per pound)	(dollars per gallon)	(dollars per gallon)						
Bulk										
CT ²	2.90	(D)	32.00	(D)						
ME	3.30	2.85	36.40	31.40						
MA	3.15	2.65	34.70	29.50						
MI	3.10	2.80	34.10	30.50						
NH	3.20	2.75	35.30	30.40						
NY	3.15	2.73	34.70	30.00						
OH	2.80	2.70	30.90	29.90						
PA	2.45	2.70	27.00	29.50						
VT	3.05	2.90	33.60	32.00						
WI	2.75	2.60	30.30	28.60						

¹ Prices for 2008 are revised. Prices for 2010 are not available until June 2011. (D) Withheld to avoid disclosing data for individual operations.

Pennsylvania: Maple Syrup Production and Value, 1980-2009

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

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

Mushrooms

By Tyler D. Heep

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

Pennsylvania growers led all states by producing 501.2 million pounds, or 64 percent of all U.S. Agaricus mushrooms sold during the 2009-2010 growing season. This is down 4 percent from the 2008-2009 growing season.

Pennsylvania accounted for 64 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 \$388.3 million, which is 47 percent of the nation's total fresh market sales. Pennsylvania had \$50.7 million, or 81 percent of the

mushroom sales used in processing. This compares with last season's sales of 49 and 77 percent, respectively.

Fresh market sales were 409 million pounds, a decrease of 3 percent from 2008-2009 growing season. Processing sales, at 92 million pounds, were down 11 percent from last year.

During the 2009-2010 seasons, Pennsylvania growers received an average of 95.0 cents per pound for fresh market sales and 54.8 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, 2001-2010

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.)
2001-02	348,210	77	104,294	23	452,504	689,968	83	141,139	17	846,209
2002-03	357,293	77	104,111	23	461,404	697,248	83	139,150	17	831,107
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	670,805	86	107,109	14	777,914

Pennsylvania & Other States: Agaricus Mushrooms - Area, Sales, Price and Value, July 1-June 30, 2008-2010

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.)
2008-09						
Pennsylvania	71	16,635	80,869	524,587	88.1	461,936
Other States	46	10,973	53,664	279,309	160.7	448,722
United States	117	27,608	134,533	803,896	113.0	910,658
2009-2010						
Pennsylvania	70	16,481	77,322	501,228	87.6	438,999
Other States	42	11,118	53,239	276,686	161.5	446,793
United States	112	27,599	130,561	777,914	114.0	885,792

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, 2009 - June 30, 2010 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	181	6,591	6,324	2.75	17,390
Oyster	77	6,236	5,782	2.55	14,769
Other	27	3,434	3,172	2.18	6,909
United States ⁶	216	16,261	15,278	2.56	39,068

¹ Specialty mushroom estimates represent growers who have at least 200 natural wood logs in production or some commercial indoor growing area, and 200 dollars 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 AR, CA, CO, CT, FL, GA, HI, IL, IN, KS, KY, ME, MA, MN, MO, MT, NY, NC, OH, OR, PA, SC, TN, TX, VA, VT, WA, WV, and WI.

Pennsylvania: Agaricus Mushrooms - Area and Production, By County, 2008-2009 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	62	11,500	53,500	351,000	87.7	308,000
Other Counties	8	4,981	23,822	150,228	87.2	130,999
Pennsylvania	70	16,481	77,322	501,228	87.6	438,999

¹ Counties not shown separately included in Other Counties. The district map and county listing can be found on the inside back cover of this publication. Data taken from the 2007 Census of Agriculture published February 4, 2009.

Potato Summary, 2009

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 2009 totaled 9,500 acres, the same as in 2008. Yield per acre averaged 310 cwt, up 45 cwt. from 2008. Production of fall potatoes for 2009 totaled 2,945,000 cwt, up 17 percent from the 2008 production of 2,518,000 cwt. The value of production was 37,402,000 dollars, up 12 percent from the 33,489,000 dollars posted in 2008.

Potato sales totaled 2,693,000 cwt, 91 percent of the 2009 crop. In 2008, 2,437,000 cwt, or 97 percent of the total production, was sold. The average price received in 2009 was \$12.70 per cwt, down from \$13.30 in 2008, a decrease of 5 percent. Of the total production, 7,000 cwt were used for seed, feed, or home use on the farms, while 245,000 cwt went to shrinkage and other losses. This is compared to 2008, when farm use accounted for 16,000 cwt and shrinkage and other losses were 65,000 cwt.

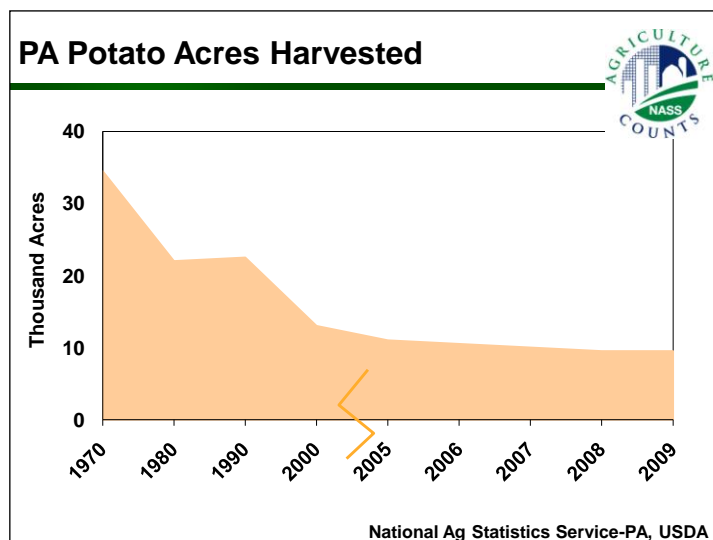
Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 1970-2009

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
2005	11.5	11.0	250	2,750	11.40	31,350	28,386
2006	11.0	10.5	260	2,730	10.40	28,392	26,676
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

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

Pennsylvania: Potato Production and Farm Disposition, 1970-2009

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
2005	2,750	249	10	250	2,490
2006	2,730	280	5	160	2,565
2007	2,200	226	18	92	2,090
2008	2,518	220	16	65	2,437
2009	2,945	160	7	245	2,693



Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 2008 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(cwt.)	(cwt.)	(dollars)
Schuylkill	1,970	1,930	330	636,900	8,470,770
Northwestern, Other Counties	1,600	1,550	216	334,800	4,452,840
Central, Other Counties	2,900	2,750	260	715,000	9,509,500
East Central, Other Counties	930	920	218	201,000	2,673,300
Southeastern, Other Counties	1,000	850	280	238,000	3,165,400
Northwestern	1,600	1,550	216	334,800	4,452,840
Central	2,900	2,750	260	715,000	9,509,500
East Central	2,900	2,850	294	837,900	11,144,070
Southeastern	1,000	850	280	238,000	3,165,400
Other counties/districts ³	1,600	1,500	262	392,300	5,217,590
Pennsylvania	10,000	9,500	265	2,518,000	33,489,400

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. ³ Counties not shown separately included in 'Other counties/districts'.

Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 2009 ¹

County and district	Planted	Harvested	Yield per acre	Production	Value of production ²
	(acres)	(acres)	(cwt.)	(cwt.)	(dollars)
Schuylkill	1,920	1,900	379	720,200	9,146,540
East Central, Other Counties	1,030	1,000	286	286,000	3,632,200
East Central	2,950	2,900	347	1,006,200	12,778,740
Other counties/districts ³	7,050	6,600	294	1,938,800	24,622,760
Pennsylvania	10,000	9,500	310	2,945,000	37,401,500

¹ Counties not shown separately included in 'Other Counties' for that specific district. The district map and county listing can be found in 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 Counties not shown separately included in 'Other counties/districts'.



Tobacco, 2009

By Pamela K. Kanagy

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, 1970-2009

Year and Type	Harvested	Yield per acre	Production	Value of production ¹
	(acres)	(pounds)	(1,000 pounds)	(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
2005 ²	5,000	2,140	10,700	14,973
2006	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
2009:				
PA Seedleaf Type 41	2,000	2,200	4,400	7,480
Southern MD Type 32 ⁴	2,100	2,300	4,830	7,728
Burley Type 31 ³	4,100	2,300	9,430	16,031

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
	Production	Beginning stocks	Total supply	Total disappearance	
	(million pounds)	(million pounds)	(million pounds)	(million pounds)	(cents/lb.)
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, 1970-2009

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
2005 ²	1,300	2,200	2,860	4,147	1,500	2,000	3,000	4,050
2006	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 ³	2,000	2,200	4,400	7,480	2,100	2,300	4,830	7,728

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, 1970-2009

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	-	-	-	-	-	-	-	-
2005 ³	-	-	-	-	2,200	2,200	4,840	6,776
2006	-	-	-	-	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

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, 2009

County	Harvested	Yield	Production	Value of production ^{1 2}
	(acres)	(lbs.)	(1,000 lbs.)	(1,000 dols.)
Southeastern, Combined Counties	7,200	2,214	15,943	26,689
Combined Counties/Districts	1,000	2,717	2,717	4,548
Pennsylvania	8,200	2,276	18,660	31,239

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

Commercial Vegetable Production, 2009

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 2009 was 152,900 tons. Fresh market production in 2009 was down 22 percent and processing was down 26 percent.

Sweet corn production decreased 21 percent for fresh market. Fresh market tomato production decreased 18 percent from 2008. Strawberry production was down 11 percent, while snap bean production for processing declined 26 percent from a year ago. Total pumpkin production for fresh market and processing was 819,000 cwt., down 34 percent from 2008.

Yield: Sweet corn yields decreased 18 percent for fresh market. Tomato yields decreased 23 percent for fresh market over the previous year level. Strawberry yields

decreased 3 percent; snap bean yields for processing increased 14 percent from 2008.

Acreage: Total harvested acreage for fresh market vegetables and snap beans for processing was 31,500 acres. Fresh market harvested acreage decreased 3 percent to 24,500 and snap beans for processing harvested acreage was down 3,700 acres from a year ago.

Value: The combined value of both fresh and processing vegetables was \$85,992,000. The fresh market section totaled \$78,922,000, down 14 percent. Fresh market prices per hundredweight were higher for tomatoes, sweet corn and cabbage, but lower for cantaloups, pumpkins and strawberries. Processing vegetable prices per ton were lower 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, 1970-2009

Crop	Year	Area planted	Area harvested	Yield per acre	Production	Farm value ¹	
						Per cwt.	Total
		(acres)	(acres)	(cwt)	(1,000 cwt)	(dollars)	(1,000 dollars)
Cabbage 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	2,200	1,800	170	306	17.00	5,202
	2005	1,200	1,200	170	204	18.20	3,713
	2006	1,200	1,200	230	276	20.00	5,520
	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
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
	2005	900	900	140	126	29.40	3,704
	2006	900	900	145	131	30.10	3,943
	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
Sweet corn	1970	n/a	17,300	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
	2005	17,800	15,500	61	946	29.40	27,812
	2006	17,800	15,300	68	1,040	35.20	36,608
	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
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
	2005	7,800	7,500	175	1,313	12.30	16,150
	2006	8,100	7,800	160	1,248	16.60	20,717
	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
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
	2005	2,400	2,300	135	311	51.00	15,861
	2006	2,300	2,100	175	368	59.50	21,896
	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
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
	2005	1,300	1,300	54	70	183.00	12,810
	2006	1,300	1,200	57	68	167.00	11,356
	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

¹ F.O.B. farm value. ² Estimates began in 1992. ³ Includes processing total for dual usage crops. Estimates began in 2000.

Pennsylvania: Snap Beans for Processing, 1970-2009

Crop	Year	Area planted	Area harvested	Yield per acre	Production	Farm value ¹	
						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
	2005	9,900	9,500	2.88	27,380	222.00	6,067
	2006	10,900	10,800	3.01	32,480	207.00	6,730
	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

¹ Value at processing plant door.

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

There were 735 growers in 2009, compared to 842 growers in 2008. The 2009 wholesale value of sales by commercial flower and foliage producers in Pennsylvania totaled \$155.3 million, \$171,637,000 less than in 2008. Pennsylvania ranked ninth 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 \$74.9 million, down from 2008. Sales of herbaceous perennials were also down slightly to \$16.7 million.

The total covered growing area for Pennsylvania in 2009 was 20.1 million square feet. Covered growing area included: glass greenhouses, 2.1 million square feet; fiberglass and other rigid greenhouses, 2.0 million square feet; film plastic (single/multi) greenhouses, 16.1 million square feet; and shade and temporary cover, 459,000 square feet. Growers also used 1,618 acres of open ground in 2009.

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.

**Pennsylvania: Number of Growers,
Reported Gross Value of Sales, 2008-2009**

Value of Sales	2008	2009
	(number)	(number)
\$10,000 - \$19,999	132	124
\$20,000 - \$39,999	170	173
\$40,000 - \$49,999	80	64
\$50,000 - \$99,999	247	145
\$100,000 - \$499,999	161	176
\$500,000 or More	52	53
TOTAL	842	735
	(1,000 dollars)	(1,000 dollars)
Expanded wholesale value ¹	172,918	155,281

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.

These results were compiled from the 2009 Census of Horticulture Specialties, in which some previous information was changed or updated based on new data discovered from additional operations. In order to maintain comparability within this 15-State (including Pennsylvania) program, information for the 2008-2009 census was collected through an ongoing list building system. Operations are classified by summing the totals of actual plant sales reported in the questionnaire, which lessens the chance of non-floriculture plant material being included.

Data summarized in the tables showing grower numbers, hired workers, and growing area represent all growers having sales of \$10,000 or more. The area and labor statistics will not be comparable between the two published years because they include nursery production area and labor for 2009, due to joint data collection efforts with the 2009 Census of Horticulture.

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: Growing Area by Type of Cover,
All Operations with \$10,000+ Sales, 2008-2009**

Type of Cover	2008	2009
	(number)	(number)
Total number of growers	842	735
	(1,000 square feet)	
Glass greenhouses	2,044	2,101
Fiberglass & other rigid greenhouses	2,356	2,023
Film plastic (single/multi) greenhouses	15,331	16,116
TOTAL GREENHOUSE COVER	19,731	20,240
Shade and temporary cover	398	459
TOTAL COVERED AREA	20,129	20,699
	(acres)	(acres)
Open ground	622	1,618

¹ Totals are not comparable between years, see above for explanation.

Pennsylvania: Growing Area by Type of Cover, All Operations with \$100,000+ Sales, 2008-2009

Type of Cover	2008	2009
	(number)	(number)
Total number of growers	213	229
	(1,000 square feet)	
Glass greenhouses	1,514	1,740
Fiberglass & other rigid greenhouses	1,441	1,535
Film plastic (single/multi) greenhouses	11,152	11,886
TOTAL GREENHOUSE COVER	14,107	15,161
Shade and temporary cover	244	248
TOTAL COVERED AREA	14,351	15,409
	(acres)	(acres)
Open ground	293	1,048

¹ Totals are not comparable between years, see page 1 for explanation.

Pennsylvania: Floriculture Crops-Wholesale Value of Sales by Category for Operations with \$100,000+ Sales, 2008-2009

Category	2008	2009
	(1,000 dollars)	
Annual bedding/garden plants	60,615	58,184
Herbaceous perennial plants	18,129	16,703
Total bedding/garden plants ¹	78,744	74,887
Total potted flowering plants	29,369	29,428
Total foliage for indoor or patio use	3,825	2,344
Total cut flowers	²	²
Propagative materials	25,287	21,334
TOTAL wholesale value (reported crops) ^{3/}	137,334	136,178

¹ Includes annual bedding plants and herbaceous perennials. ² Included in other states to avoid disclosing individual operations. ³ Excluding cut flowers.

Pennsylvania: Potted Flowering Plants - Producers and Pots Sold for Operations with \$100,000+ Sales, 2008-2009

Flower Type	Producers		Quantity Sold				Percent of Sales at Wholesale		Wholesale Price				Value of All Sales at Wholesale ¹	
	2008	2009	Less Than 5 Inch		5 Inch or More		2008	2009	Less Than 5 Inch		5 Inch or More		2008	2009
			2008	2009	2008	2009			2008	2009	2008	2009		
	(number)		(1,000 pots)				(percent)		(dollars per pot)				(1,000 dollars)	
African Violets ^{2 3}	11	14	98	105	²	²	83	98	1.75	1.74	²	²	171	183
Finished florist azaleas ^{2 3}	14	22	²	²	9	11	76	54	²	²	6.50	9.68	58	106
Florist chrysanthemums	50	50	147	134	151	103	92	87	³	3.42	3.54	4.72	535	944
Easter lilies ^{2 3}	60	67	²	3	751	718	97	96	²	6.28	3.64	3.94	2,731	2,848
Poinsettias	107	102	584	449	1,539	1,107	88	84	1.92	1.79	4.66	5.30	8,293	6,671
Spring flowering bulbs	72	55	1,531	1,509	4,170	3,956	98	98	1.32	1.38	3.01	3.00	14,573	13,950
Other flowering plants ^{2 3}	57	98	294	602	431	368	84	85	1.80	2.05	4.57	5.15	2,499	3,129

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. ³ Pot price is a weighted average of all pots reported to avoid disclosure 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, 2008-2009

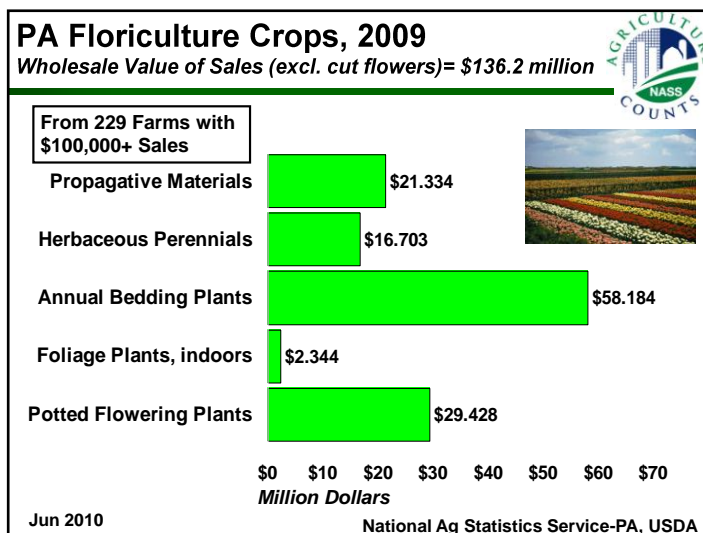
Producers		Percent of Sales at Wholesale		Value of Sales at Wholesale ¹	
2008	2009	2008	2009	2008	2009
(number)	(number)	(percent)	(percent)	(1,000 dollars)	(1,000 dollars)
41	52	72	87	2,868	1,656

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, 2008-2009

Producers		Total Quantity Sold		Percent of Sales at Wholesale		Wholesale Price		Value of Sales at Wholesale ¹	
2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
(number)	(number)	(1,000 baskets)	(1,000 baskets)	(percent)	(percent)	(dol. per basket)	(dol. per basket)	(1,000 dollars)	(1,000 dollars)
61	42	143	110	83	88	6.69	6.25	957	688

¹ Equivalent wholesale value of sales.



Pennsylvania: Potted Herbaceous Perennials - Price and Value for Operations with \$100,000+ Sales, 2008-2009

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	
		(number)	(1,000 pots)					(percent)	(dollars per pot)					(1,000 dol.)
Hardy/garden Chrysanthemums	2008	133	389	2,576	-	-	-	81	1.09	2.55	-	-	-	6,993
	2009	134	542	2,439	-	-	-	83	1.21	2.52	-	-	-	6,802
Hostas	2008	79	-	-	38	134	8	82	-	-	3.08	3.83	6.03	679
	2009	84	-	-	35	90	7	61	-	-	3.45	4.76	6.31	593
Other herbaceous perennials	2008	116	-	-	2,957	1,719	135	87	-	-	1.15	3.57	6.81	10,457
	2009	131	-	-	1,237	1,607	158	80	-	-	2.06	3.58	6.37	9,308

¹ Equivalent wholesale value of all sales.

Pennsylvania: Annual Bedding/Garden Plants Flats (Only) - Producers, Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2008-2009

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>		(number)	(1,000 flats)	(percent)	(dollars per flat)	(1,000 dollars)
Begonias	2008	143	142	80	9.62	1,366
	2009	149	134	72	9.85	1,320
Geraniums from vege. cuttings	2008	11	12	80	15.77	189
	2009	11	15	85	19.39	291
Geraniums from seed	2008	19	8	57	15.58	125
	2009	22	7	70	14.60	102
New Guinea Impatiens	2008	11	9	77	18.15	163
	2009	23	29	54	14.39	417
Impatiens	2008	154	403	72	9.07	3,655
	2009	161	457	75	9.10	4,159
Marigolds	2008	152	241	77	8.11	1,955
	2009	162	215	72	8.94	1,922
Pansies/Violas	2008	149	236	77	9.38	2,214
	2009	156	236	79	10.09	2,381
Petunias	2008	159	327	75	9.75	3,188
	2009	164	312	73	9.21	2,874
All other flowering & foliar plants	2008	145	945	82	11.55	10,915
	2009	159	898	75	10.85	9,743
Vegetable type plants	2008	140	215	60	7.84	1,686
	2009	123	296	59	8.28	2,451

¹ Equivalent wholesale value of all sales.



Pennsylvania: Annual Bedding/Garden Plants Potted (Only) - Producers, Quantity, Price and Value for Operations with \$100,000+ Sales, 2008-2009

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	
Potted Plants (ONLY)		(number)	(1,000 pots)			(percent)	(dollars per pot)		(1,000 dollars)
	2008	²	²	²	²	²	²	²	²
Begonias ²	2009	95	417	71	488	85	.81	1.74	461
	2008	162	3,215	382	3,597	78	1.64	3.61	6,652
Geraniums from vege. cuttings	2009	169	2,937	322	3,259	77	1.60	4.32	6,090
	2008	54	962	³	962	88	0.85	³	817
Geraniums from seed ³	2009	52	928	46	974	85	0.90	1.88	922
	2008	157	667	132	799	68	1.54	3.13	1,440
New Guinea Impatiens	2009	165	582	84	666	64	1.80	3.01	1,300
	2008	66	276	290	566	89	0.75	2.63	970
Impatiens	2009	66	1,250	440	1,690	98	0.68	2.53	1,963
	2008	38	151	67	218	91	0.73	1.35	201
Marigolds	2009	48	675	94	769	97	0.72	1.41	619
	2008	57	611	240	851	95	0.99	2.29	1,154
Pansies/Violas	2009	60	581	199	780	95	0.80	1.86	835
	2008	96	690	386	1,076	88	1.05	2.64	1,744
Petunias	2009	110	652	331	983	84	1.62	2.25	1,801
	2008	122	2,612	1,498	4,110	71	1.33	3.18	8,238
All other flowering & foliar plants	2009	155	2,723	1,351	4,074	74	1.03	2.94	6,777
	2008	102	885	183	1,068	63	1.26	1.85	1,454
Vegetable type plants	2009	110	1,421	175	1,596	63	1.02	3.63	2,085

¹ Equivalent wholesale value of all sales. ² Included in other states to avoid disclosing data of individual operations. ³ Quantity and price combined into pot size with greatest production to avoid disclosing data of individual operations.

Pennsylvania: Annual Bedding/Garden Plants Hanging Baskets (Only) - Producers, Quantity Sold, Price and Value for Operations with \$100,000+ Sales, 2008-2009

Annual Bedding/Garden Plants	Year	Producers	Total Quantity Sold	Percent of Sales at Wholesale	Wholesale Price	Value of Sales at Wholesale ¹
Hanging Baskets (ONLY)		(number)	(1,000 baskets)	(percent)	(dollars per basket)	(1,000 dollars)
	2008	89	82	79	5.53	453
Begonias	2009	94	62	67	7.23	448
	2008	112	165	80	7.15	1,180
Geraniums from vege. cuttings	2009	107	143	79	7.71	1,103
	2008	10	11	83	4.12	45
Geraniums from seed	2009	9	18	78	6.53	118
	2008	111	209	84	6.60	1,379
New Guinea Impatiens	2009	111	128	74	7.45	954
	2008	84	163	89	4.30	701
Impatiens	2009	82	109	87	5.79	631
	2008	36	28	87	6.57	184
Pansies/Violas	2009	37	34	85	5.64	192
	2008	123	453	69	5.02	2,274
Petunias	2009	124	381	51	5.21	1,985
	2008	122	883	77	6.58	5,810
All other flowering & foliar plants	2009	140	571	62	7.34	4,191

¹ Equivalent wholesale value of all sales.

Pennsylvania: Propagative (Unfinished) Floriculture Materials - Total Value of Sales by Category for Operations with \$100,000+ Sales, 2008-2009

Year	Potted Flowering Plants	Annual Bedding/ Garden Plants	Herbaceous Perennial Plants
	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
2008	293	3,805	19,113
2009	¹	3,586	17,345

¹ Included in other states to avoid disclosing data of individual operations.

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

Nursery crop producers in Pennsylvania reported a value of sales totaling \$113.9 million for the year of 2006. This data was gathered from nursery crop producers who responded to the Nursery Production Survey conducted in February 2007. This is the third multi-state survey on nursery production conducted by NASS. It is meant to supplement the more comprehensive Decennial Census of Horticultural Specialties.

The total gross sales for coniferous evergreens were \$34 million in the year 2006. Gross sales for Christmas trees, cut and to be cut, totaled

\$17.3 million in the same year. Coniferous evergreens ranked fifth nationally, and Christmas trees ranked fourth nationally for their gross sales. The gross sales in 2006 for propagative material were \$22.4 million. Pennsylvania ranked fifth nationally for the gross sales of propagative material.

There were 498 nursery operations in Pennsylvania for the year 2006. Pennsylvania ranked second nationally for the total production area for nursery crops. There was 2.04 billion square feet of production area in the state.

PA: Number of Operations by Reported Gross Value of Sales, 2003 and 2006

Value of Sales	2003 (number)	2006 (number)
\$10,000 - \$99,999	406	351
\$100,000 - \$249,999	75	71
\$250,000 - \$499,999	33	31
\$500,000 - \$999,999	19	19
\$1,000,000 - \$1,999,999	9	11
\$2,000,000 - \$4,999,999	17	11
\$5,000,000 - \$9,999,999	1	1
\$10,000,000 or more	1	1
Total	559	498

¹ Highest published sales range contains operations with greater sales to prevent disclosure of individual operations.

PA: Nursery Crops - Value of Sales by Category for Operations with \$100,000+ Sales, 2003 and 2006

Category	2003 (1,000 dols.)	2006 (1,000 dols.)
Broadleaf evergreens	14,064	11,957
Coniferous evergreens	27,858	34,054
Deciduous shade trees	13,785	13,256
Deciduous flowering trees	8,214	5,323
Deciduous shrubs and other ornamentals	7,877	7,612
Fruit and nut plants	¹	¹
Christmas trees cut and to be cut	13,905	17,290
Woody Ornamentals	1,451	2,058
Transplants for vegetable and strawberry	^{1 2}	^{1 2}
Propagative material	26,617	22,369
Total gross sales	113,771	113,919

¹ Missing data were not included in order to avoid disclosure of individual operations.

PA: Nursery Crops - Operations & Area in Production for Operations with \$10,000+ Sales, 2003 and 2006

Number of Operations		Total Production Area	
2003	2006	2003	2006
(number)	(number)	(1,000 sq. ft.)	(1,000 sq. ft.)
559	498	2,259,588	2,040,307

PA: Transplants for Commercial Truck Crop Production & Propagation Material or Lining-out Stock - Producers, Sales & Percent Wholesale for Operations with \$100,000+ Sales, 2003 and 2006

Category	Producers		Gross Sales		Percent of Sales at Wholesale	
	2003	2006	2003	2006	2003	2006
	(number)	(number)	(1,000 dols.)	(1,000 dols.)	(percent)	(percent)
Propagation material	35	34	26,617	22,369	98	98
Transplants ¹	-	3	-	-	-	-

¹ Missing data were not included in order to avoid disclosure of individual operations.

PA: Christmas Trees Cut & To Be Cut - Plants Sold, Sales, Percent Wholesale & Intentions Jan 1 for Operations with \$100,000+ Sales

Category	Year	Producers	Quantity Sold	Gross Sales	Percent of Sales at Wholesale	Number of Trees on Hand Jan 1	Percentage of January 1 Inventory Expected to Sell In:							
							1 year	2 years	3 years	4 years ¹	5 years	6 years	7 years	8 years or later
Christmas trees, cut and to be cut	2003	(number)	(1,000 trees)	(1,000 dols)	(percent)	(1,000 trees)	(percent of inventory)							
	2006	71	723	13,905	87	8,086	7	8	8	9	15	10	16	27
		72	873	17,290	73	8,076	9	10	10	10	13	11	14	23

¹ In 2004, it was enumerated for years 1, 2, 3, 4, 5, 6, 7, and 8+.

PA: Nursery Crops - Plants Sold, Sales, Percent Wholesale and Inventory January 1, for Operations with \$100,000+ Sales

Category	Year	Producers	Quantity Sold	Gross Sales	Percent of Sales at Wholesale	Number of Trees and Plants on Hand Jan 1	Percent of Plants Sold by Category:			
							Bare Root	Balled & Burlap	Container	Other
		(number)	(1,000 plants)	(1,000 dols.)	(percent)	(1,000 plants)	(percent)	(percent)	(percent)	(percent)
Broadleaf evergreens	2003	55	824	14,064	85	1,539	1	33	66	-
	2006	52	731	11,957	94	1,849	-	28	72	-
Coniferous evergreens	2003	106	1,108	27,858	90	5,380	-	78	14	8
	2006	102	1,315	34,054	86	13,661	-	79	18	3
Deciduous shade trees	2003	79	208	13,785	83	777	2	88	10	-
	2006	77	251	13,256	87	615	1	74	25	-
Deciduous flowering trees	2003	74	149	8,214	74	387	4	77	19	-
	2006	69	104	5,323	84	276	-	63	37	-
Deciduous shrubs	2003	51	822	7,405	82	1,177	-	22	78	-
	2006	50	490	6,949	90	1,407	1	17	81	1
Fruit and nut plants ¹	2003	-	-	-	-	-	-	-	-	-
	2006	-	-	-	-	-	-	-	-	-
Ornamental grasses	2003	16	73	472	78	61	-	4	96	-
	2006	22	89	663	82	70	-	1	99	-
Other woody ornamentals	2003	16	156	1,451	91	646	8	-	92	-
	2006	23	162	2,058	97	520	15	5	75	5

¹ Missing data were not included in order to avoid disclosure of individual operations.

Crop Summary by County, 2009

By Jack C. Doney

Pennsylvania: Summary - Principal Crops Harvested by County, 2009

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	95,900	29,976	725	1,538	49,875	81,389
Allegheny	8,700	1,338	652	2,450	532	4,320
Armstrong	57,300	15,136	134	473	354	15,963
Beaver	24,300	6,154	127	451	540	7,145
Bedford	89,100	25,309	152	520	3,311	29,140
Berks	148,400	60,363	776	2,440	4,460	67,263
Blair	57,900	25,602	341	937	418	26,957
Bradford	117,000	26,832	194	602	468	27,902
Bucks	44,000	11,428	1,196	3,686	1,852	16,966
Butler	72,600	21,329	1,009	3,125	591	25,045
Cambria	41,500	11,657	2,012	6,693	219	18,569
Cameron	1,800	268	10	24	32	324
Carbon	9,200	2,309	298	1,072	148	3,529
Centre	75,400	27,066	1,912	3,066	991	31,123
Chester	111,100	44,525	988	2,885	1,439	48,849
Clarion	48,000	11,406	424	1,587	226	13,219
Clearfield	24,800	4,686	43	122	10	4,818
Clinton	24,700	8,348	148	332	57	8,737
Columbia	55,900	21,367	3,536	5,907	434	27,708
Crawford	106,300	34,575	343	1,070	547	36,192
Cumberland	100,200	38,134	748	2,252	2,091	42,477
Dauphin	59,000	21,062	245	1,109	949	23,120
Delaware	1,600	573	50	124	80	777
Elk	9,800	1,445	83	221	165	1,831
Erie	65,400	18,598	1,850	6,750	19,434	44,782
Fayette	55,900	12,351	501	1,450	271	14,072
Forest	2,900	642	7	15	2	659
Franklin	162,500	63,564	723	2,128	9,756	75,448
Fulton	44,500	9,922	13	59	17	9,998
Greene	42,800	5,079	72	253	168	5,500
Huntingdon	55,400	18,124	268	590	258	18,972
Indiana	70,600	21,695	768	2,709	702	25,106
Jefferson	39,800	7,858	49	137	111	8,106
Juniata	44,900	15,120	132	461	412	15,993
Lackawanna	12,300	2,053	753	5,161	582	7,796
Lancaster	307,500	190,177	3,689	11,261	5,245	206,683
Lawrence	47,400	17,673	152	436	268	18,377
Lebanon	104,300	52,092	358	1,031	983	54,106
Lehigh	56,700	23,116	1,267	3,867	2,972	29,955
Luzerne	23,800	6,734	1,257	4,013	1,178	11,925
Lycoming	68,700	22,373	662	1,413	1,907	25,693
McKean	13,100	2,251	40	115	7	2,373
Mercer	95,100	32,800	481	1,416	412	34,628
Mifflin	42,600	16,646	185	549	1,042	18,237
Monroe	11,000	3,274	214	657	697	4,628
Montgomery	23,000	6,162	539	1,633	1,013	8,808
Montour	20,900	7,223	141	264	326	7,813
Northampton	56,500	25,326	400	1,362	986	27,674
Northumberland	77,800	34,543	932	1,728	1,158	37,429
Perry	70,800	21,680	136	502	103	22,285
Philadelphia	200	5	2	14	-	19
Pike	2,400	841	5	61	-	902
Potter	27,700	6,484	2,028	3,186	46	9,716
Schuylkill	58,900	22,403	2,577	9,807	1,864	34,074
Snyder	49,500	16,776	524	2,799	2,239	21,814
Somerset	93,700	21,968	265	950	179	23,097
Sullivan	12,600	2,156	25	55	13	2,224
Susquehanna	58,400	8,828	82	264	646	9,738
Tioga	79,000	15,757	81	205	59	16,021
Union	40,200	16,359	292	546	82	16,987
Venango	22,800	6,343	75	226	37	6,606
Warren	24,600	5,849	175	536	530	6,915
Washington	79,800	10,934	505	2,126	733	13,793
Wayne	36,400	4,858	69	226	41	5,125
Westmoreland	81,600	22,109	867	2,461	519	25,089
Wyoming	24,900	4,933	323	1,036	398	6,367
York	199,800	83,556	1,370	3,305	6,032	92,893

Table continued on next page. See footnotes at end of table.

Pennsylvania: Summary - Principal Crops Harvested By County, 2009, 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	317,100	98,807	2,931	10,013	20,962	129,782
North Central	354,400	85,914	3,271	6,153	2,754	94,821
Northeastern	132,000	20,672	1,227	6,687	1,667	29,026
West Central	360,000	101,251	2,663	8,918	2,792	112,961
Central	716,600	257,912	10,699	25,273	8,641	291,826
East Central	218,500	84,003	6,018	20,839	7,845	112,687
Southwestern	362,500	73,779	2,862	9,690	2,402	85,871
South Central	692,000	250,462	3,731	9,802	71,082	331,346
Southeastern	740,100	365,325	7,598	23,074	15,072	403,471
Pennsylvania	3,893,200	1,338,125	41,000	120,449	133,217	1,591,791

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; strawberries and processing market snap beans. ³ Includes apples, peaches, tart cherries, pears and grapes.



Crop Weather Summary

By Tyler D. Heep

Crop and Weather Summary - Dates of First and Last Freeze, Selected Pennsylvania Stations, 2009 and Normal

Area and Station	County	Last Spring Minimum of 32° F.			First Fall Minimum of 32° F.		
		2009		Normal	2009		Normal
		Date	Low Temp.	Date	Date	Low Temp.	Date
Pocono Mountains: Stroudsburg	Monroe	May 19	30	May 05	Oct 12	32	Oct 07
East Central Mountains: Allentown	Lehigh	May 19	32	Apr 20	Oct 19	32	Oct 18
South East Piedmont: Lancaster	Lancaster	Apr 16	31	Apr 14	Oct 19	32	Oct 21
Lower Susquehanna: Chambersburg	Franklin	Apr 16	32	Apr 27	Oct 19	30	Oct 17
Middle Susquehanna: Williamsport	Lycoming	Apr 24	32	Apr 30	Oct 19	31	Oct 15
Upper Susquehanna: Wellsboro	Tioga	May 20	30	May 14	Oct 2	31	Oct 01
Central Mountains: Renovo	Clinton	May 19	27	May 10	Oct 12	32	Oct 11
Ridgway	Elk	Jun 1	31	May 24	Oct 2	28	Sep 28
South Central Mountains: Altoona	Blair	Apr 13	26	May 02	Oct 14	30	Oct 13
Ebensburg	Cambria	May 19	28	May 26	Oct 6	30	Sep 21
South West Plateau: Butler	Butler	May 20	32	May 13	Oct 14	31	Oct 07
Confluence	Somerset	Jun 1	29	May 10	Oct 19	29	Oct 04
Donora	Washington	Apr 13	31	Apr 30	Oct 19	30	Oct 20
North West Plateau: Titusville	Crawford	May 19	30	May 22	Oct 11	32	Sep 28

Pennsylvania – Field Work and Crop Development, Selected, 2008-2009 Data As Reported in the 'Weekly Crop Progress & Condition' Survey, State Average

Oats % Planted				Oats % Harvested				Wheat % Planted			
Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average
Apr 5	24	-	-	Jul 26	12	16	17	Sep 20	13	15	12
Apr 12	27	24	23	Aug 2	24	37	36	Sep 27	17	19	22
Apr 19	45	50	44	Aug 9	50	64	61	Oct 4	36	32	39
Apr 26	66	77	67	Aug 16	71	88	81	Oct 11	60	57	57
May 3	80	90	80	Aug 23	87	95	93	Oct 18	61	75	71
May 10	89	95	90	Aug 30	97	99	99	Oct 25	62	84	82
May 17	96	97	95					Nov 1	75	91	88
								Nov 8	88	95	94
								Nov 15	90	99	98
								Nov 22	93	100	99
								Nov 29	94	100	100
Wheat % Harvested				Barley % Planted				Barley % Harvested			
Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average
Jun 28	5	3	5	Sep 13	8	15	16	Jun 21	13	19	21
Jul 5	14	19	25	Sep 20	24	34	30	Jun 28	50	53	54
Jul 12	49	56	52	Sep 27	39	46	47	Jul 5	85	80	80
Jul 19	84	82	79	Oct 4	61	49	61	Jul 12	91	93	91
Jul 26	94	94	93	Oct 11	82	72	76	Jul 19	97	97	97
Aug 2	97	99	96	Oct 18	87	85	89				
				Oct 25	88	93	94				
				Nov 1	94	95	97				
				Nov 8	97	99	99				

Continued on next page.

Pennsylvania – Field Work and Crop Development Selected Dates, 2008-2009, Continued
Data As Reported in the ‘Weekly Crop Progress & Condition’ Survey, State Average

Soybeans % Planted				Soybeans % Harvested				Corn % Planted			
Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average
May 3	6	5	5	Oct 4	5	10	11	Apr 26	7	18	15
May 10	7	18	16	Oct 11	20	29	23	May 3	22	31	32
May 17	18	22	33	Oct 18	25	40	35	May 10	29	48	55
May 24	49	36	50	Oct 25	33	58	47	May 17	48	56	69
May 31	57	47	65	Nov 1	37	64	57	May 24	72	68	80
Jun 7	69	68	79	Nov 8	57	75	71	May 31	85	80	89
Jun 14	74	84	88	Nov 15	70	80	79	Jun 7	89	90	94
Jun 21	86	91	94	Nov 22	85	84	86	Jun 14	93	95	97
Jun 28	92	93	97	Nov 29	87	89	91	Jun 21	96	99	99
Jul 5	96	99	100								

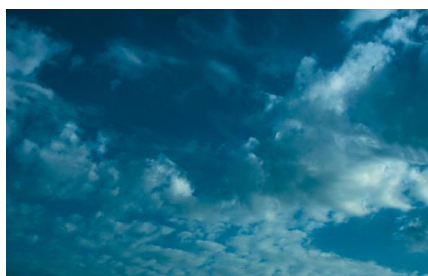
Corn Average Height (Inches)				Corn % Harvested				Tobacco % Harvested			
Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average
May 24	3	3	3	Sep 20	5	13	16	Aug 16	13	16	16
May 31	5	5	4	Sep 27	11	24	24	Aug 23	29	37	32
Jun 7	8	8	9	Oct 4	17	28	32	Aug 30	50	61	54
Jun 14	12	11	14	Oct 11	18	34	42	Sep 6	65	74	68
Jun 21	18	16	21	Oct 18	25	43	50	Sep 13	76	85	84
Jun 28	25	24	31	Oct 25	32	56	57	Sep 20	89	91	92
Jul 5	35	36	44	Nov 1	39	68	67	Sep 27	90	93	95
Jul 12	48	50	57	Nov 8	51	78	76	Oct 4	95	95	97
Jul 19	59	64	68	Nov 15	60	81	84				
Jul 26	69	66	74	Nov 22	71	84	89				
Aug 2	79	69	76	Nov 29	81	89	92				
Aug 9	84	74	78								

Potatoes % Planted				Potatoes % Harvested				Peaches % Harvested			
Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average
Apr 26	5	24	20	Aug 16	17	16	14	Jul 12	11	4	8
May 3	23	31	35	Aug 23	26	18	18	Jul 19	23	12	16
May 10	24	47	24	Aug 30	27	23	22	Jul 26	37	26	28
May 17	49	51	68	Sep 6	48	35	31	Aug 2	42	30	37
May 24	72	57	78	Sep 13	56	40	42	Aug 9	55	47	50
May 31	94	79	91	Sep 20	71	46	51	Aug 16	68	63	60
Jun 7	99	97	98	Sep 27	72	75	69	Aug 23	78	75	70
				Oct 4	75	81	83	Aug 30	84	88	84
				Oct 11	76	92	94	Sep 6	92	92	92
				Oct 18	94	99	98	Sep 13	98	97	96

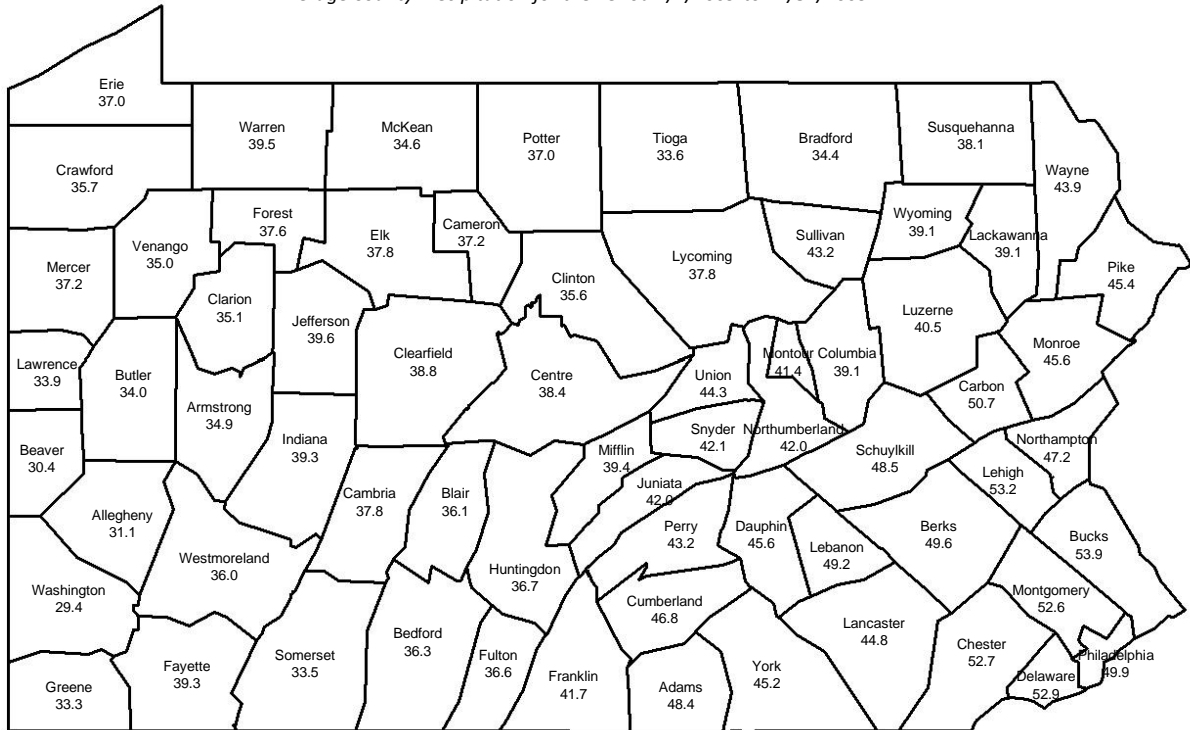
Apples % Harvested				Spring Plowing % Complete				Fall Plowing % Complete			
Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average	Week Ending 2009	2009	2008	5-Year Average
Jul 19	10	3	3	Apr 5	25	-	-	Aug 30	8	16	18
Jul 26	11	9	8	Apr 12	30	20	28	Sep 6	12	18	23
Aug 2	12	10	12	Apr 19	44	46	46	Sep 13	22	23	28
Aug 9	17	14	20	Apr 26	50	65	62	Sep 20	34	39	36
Aug 16	30	20	24	May 3	70	76	73	Sep 27	35	43	42
Aug 23	31	26	29	May 10	72	82	72	Oct 4	48	50	52
Aug 30	32	29	32	May 17	84	85	88	Oct 11	51	65	64
Sep 6	33	32	36	May 24	93	85	92	Oct 18	59	69	69
Sep 13	38	35	41	May 31	95	93	96	Oct 25	60	70	73
Sep 20	48	39	51					Nov 1	66	81	79
Sep 27	58	46	58					Nov 8	70	85	84
Oct 4	70	56	66					Nov 15	75	86	86
Oct 11	85	68	78					Nov 22	83	89	90
Oct 18	90	78	84					Nov 29	86	94	95
Oct 25	94	87	91								
Nov 1	96	96	95								

Pennsylvania: Temperature, Precipitation & Snowfall, 2009, from the National Climatic Data Center

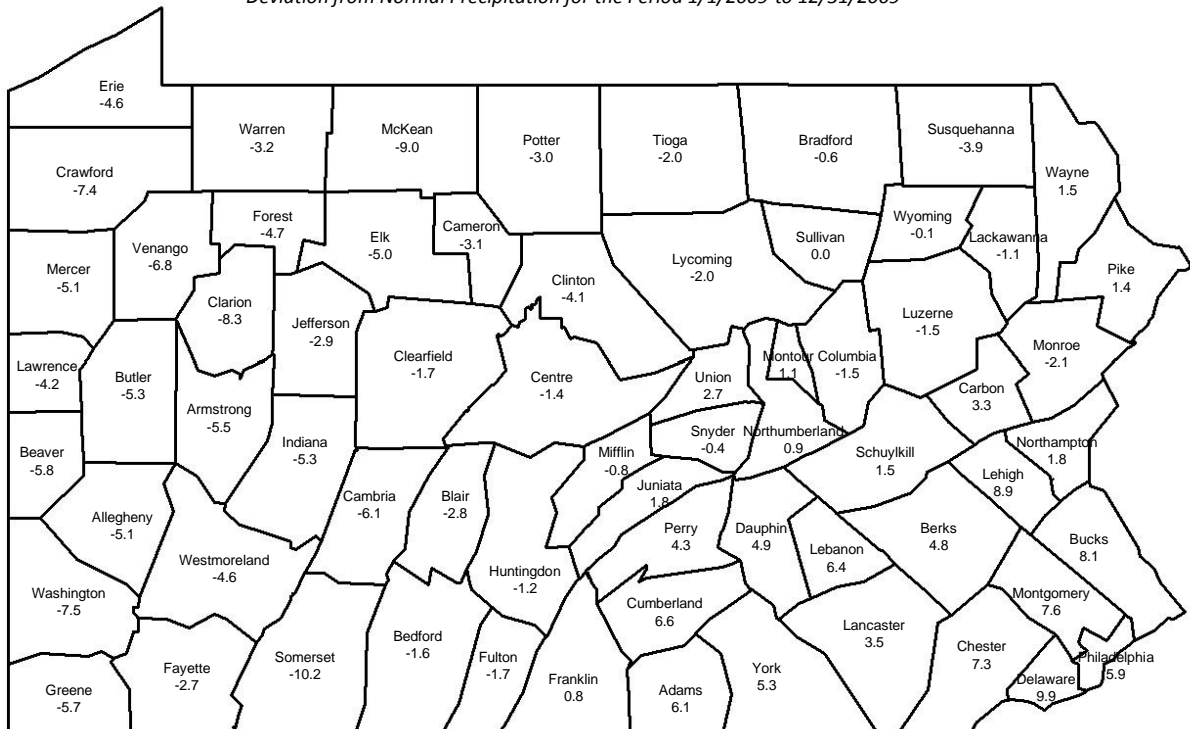
Division	2009											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
POCONO MOUNTAINS:												
Avg Temp., Degrees	18.1	27.7	36.0	48.4	56.7	64.2	66.2	69.3	59.5	47.0	43.7	27.1
Departure from Normal	-5.5	1.7	1.4	3.0	.4	.0	-2.8	2.0	.0	-1.5	4.7	-1.4
Precipitation, Inches	2.65	.91	1.94	2.22	5.27	6.76	5.19	6.47	2.46	4.59	1.62	4.34
Departure from Normal	-.70	-1.78	-1.44	-1.70	.83	2.25	1.06	2.59	-2.03	1.01	-2.24	1.02
Snowfall, Inches	14.8	4.7	2.8	.1	.0	.0	.0	.0	.0	1.6	.0	13.7
EAST CENTRAL MOUNTAINS:												
Avg Temp., Degrees	22.6	31.0	38.0	50.1	59.5	66.6	69.1	72.3	62.5	50.8	46.6	30.7
Departure from Normal	-4.6	1.3	-.4	1.4	.0	-1.0	-3.7	1.6	-.4	-1.0	4.6	-1.2
Precipitation, Inches	2.36	.65	1.72	2.86	5.39	7.47	6.65	7.01	3.35	5.40	1.51	6.31
Departure from Normal	-1.28	-2.10	-1.94	-.81	.70	3.08	2.21	2.74	-1.19	1.81	-2.37	2.76
Snowfall, Inches	9.6	4.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	15.4
SOUTHEAST PEIDMONT:												
Avg Temp., Degrees	25.5	34.2	41.1	53.0	62.1	69.1	72.0	74.9	64.6	52.9	48.2	33.3
Departure from Normal	-4.1	1.9	.3	2.1	1.0	-.7	-2.6	2.1	-.8	-1.0	4.0	-1.4
Precipitation, Inches	2.30	.77	1.54	3.96	5.53	5.55	4.31	7.95	4.18	5.87	1.92	6.34
Departure from Normal	-1.39	-2.00	-2.21	.29	1.08	1.59	-.19	4.13	-1.15	2.52	-1.71	2.91
Snowfall, Inches	5.1	3.2	4.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4
LOWER SUSQUEHANNA:												
Avg Temp., Degrees	25.5	33.0	39.9	51.7	61.3	69.4	70.9	73.8	63.8	51.9	47.0	32.1
Departure from Normal	-3.4	1.2	-.5	1.0	.7	.1	-3.1	1.7	-.9	-1.1	3.9	-1.6
Precipitation, Inches	2.18	.77	1.54	3.85	6.68	4.50	5.06	4.91	3.01	5.69	2.13	5.18
Departure from Normal	-1.17	-2.03	-2.09	.35	2.42	.47	1.46	1.56	-1.08	2.50	-1.31	2.02
Snowfall, Inches	4.9	1.1	1.7	.3	.0	.0	.0	.0	.0	.0	.0	16.1
MIDDLE SUSQUEHANNA:												
Avg Temp., Degrees	21.5	30.5	39.2	50.4	59.2	66.8	68.3	71.6	62.2	49.7	45.5	30.3
Departure from Normal	-5.1	1.0	1.0	1.4	.0	-.8	-3.9	1.4	-.5	-1.4	4.2	-1.1
Precipitation, Inches	2.37	.95	1.35	3.94	6.10	4.25	5.68	4.19	2.75	6.22	1.88	3.47
Departure from Normal	-.61	-1.65	-1.99	.50	2.15	-.29	1.75	.65	-1.34	3.00	-1.66	.46
Snowfall, Inches	12.8	2.3	.2	.0	.0	.0	.0	.0	.0	.4	.0	9.4
UPPER SUSQUEHANNA:												
Avg Temp., Degrees	15.7	26.1	34.0	46.4	55.2	62.3	64.7	68.2	58.6	46.1	41.9	26.7
Departure from Normal	-7.0	1.3	.5	2.1	.1	-1.2	-3.2	2.1	.0	-1.4	3.8	-1.0
Precipitation, Inches	2.10	1.12	2.00	2.64	4.88	5.02	5.09	5.21	2.37	4.07	1.52	3.07
Departure from Normal	-.56	-1.16	-.85	-.65	1.35	.71	1.47	1.89	-1.36	.96	-1.78	.32
Snowfall, Inches	17.5	3.9	.4	.3	.0	.0	.0	.0	.0	3.4	.2	10.7
CENTRAL MOUNTAINS:												
Avg Temp., Degrees	18.3	27.6	37.1	47.2	56.9	64.0	65.5	69.4	60.6	47.4	43.1	27.7
Departure from Normal	-6.3	.5	1.4	.5	.3	-1.0	-3.8	1.7	.2	-1.6	3.6	-1.8
Precipitation, Inches	2.37	1.58	1.95	2.98	3.85	3.87	5.36	4.74	2.74	4.44	1.27	4.20
Departure from Normal	-.21	-.79	-1.26	-.35	.06	-.88	1.26	.94	-1.19	1.41	-2.21	1.41
Snowfall, Inches	15.4	6.5	.2	.3	.0	.0	.0	.0	.0	2.0	.1	12.8
SOUTH CENTRAL MOUNTAINS:												
Avg Temp., Degrees	21.1	29.9	37.9	48.2	57.6	64.9	66.9	70.7	61.7	48.5	44.6	28.3
Departure from Normal	-5.3	.8	.4	.1	-.4	-1.4	-3.7	1.8	-.2	-2.1	3.8	-2.8
Precipitation, Inches	2.40	1.03	1.53	3.11	5.24	4.33	3.76	3.00	2.49	5.36	1.63	5.09
Departure from Normal	-.58	-1.63	-2.04	-.51	1.08	.20	-.30	-.41	-1.23	2.22	-1.92	2.17
Snowfall, Inches	19.0	3.2	.0	.6	.0	.0	.0	.0	.0	.6	.0	19.3
SOUTHWEST PLATEAU:												
Avg Temp., Degrees	21.1	29.5	39.6	49.2	59.2	65.2	66.7	69.9	62.8	48.8	45.8	28.6
Departure from Normal	-5.8	.0	1.2	.9	1.1	-1.3	-3.9	.7	.5	-2.1	4.5	-3.1
Precipitation, Inches	3.78	1.71	2.02	3.32	5.02	4.97	4.06	3.48	2.56	3.93	1.19	4.04
Departure from Normal	.79	-.95	-1.54	-.24	.82	.65	-.34	-.43	-1.24	1.15	-2.34	.88
Snowfall, Inches	20.0	9.5	.2	1.6	.0	.0	.0	.0	.0	.1	.5	14.9
NORTHWEST PLATEAU:												
Avg Temp., Degrees	16.1	25.0	34.9	45.9	56.0	61.8	63.5	67.1	59.4	46.0	42.6	26.1
Departure from Normal	-7.3	-.6	.4	.8	.4	-2.4	-4.8	.2	-.4	-2.8	3.7	-2.6
Precipitation, Inches	3.05	2.33	3.41	2.96	4.30	4.01	6.01	5.29	2.27	3.92	1.76	3.48
Departure from Normal	.21	-.11	.12	-.62	.49	-.97	1.71	1.12	-2.09	.59	-1.96	.01
Snowfall, Inches	42.1	12.4	.8	1.7	.0	.0	.0	.0	.0	2.7	.6	20.1



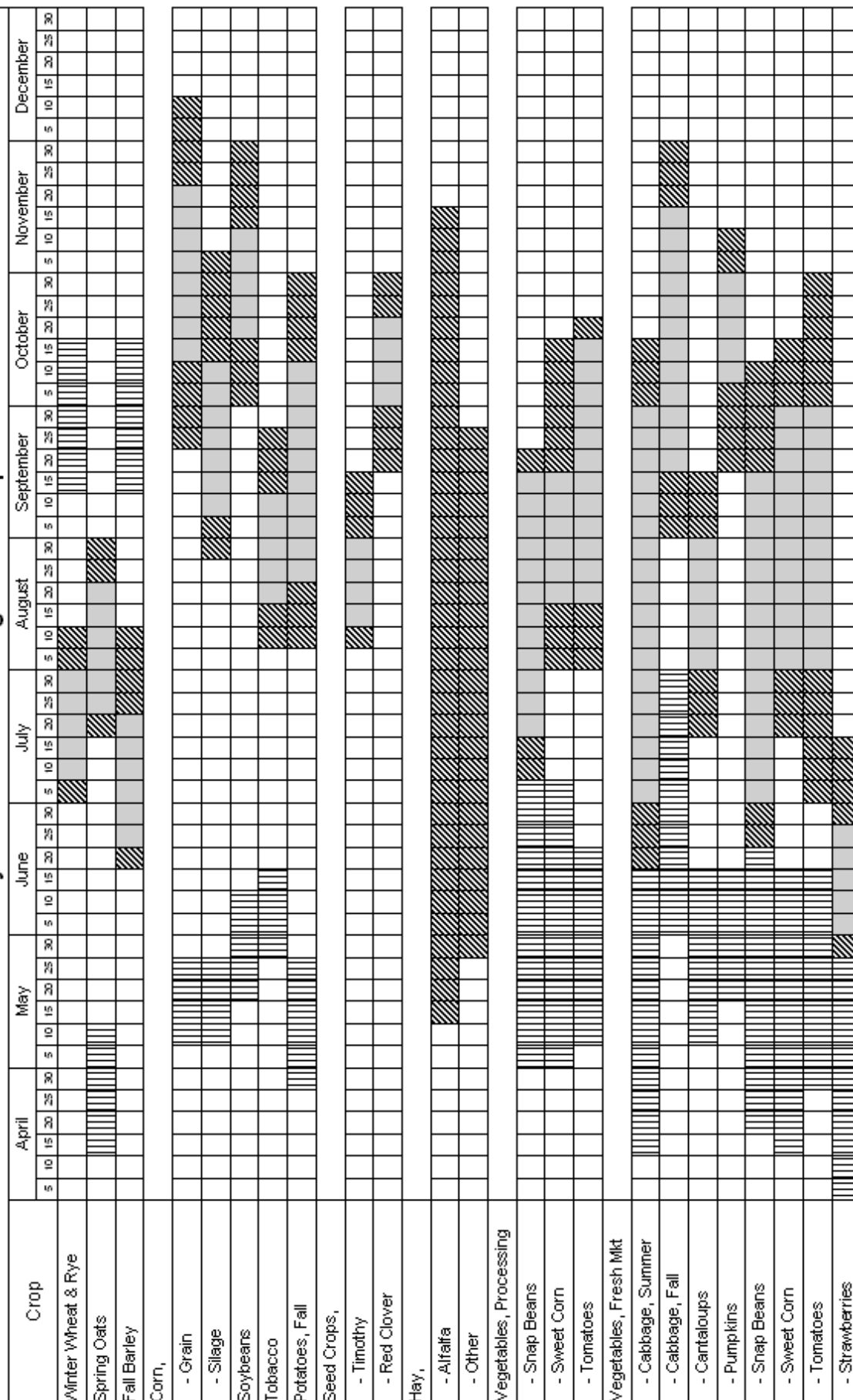
National Weather Service
Middle Atlantic River Forecast Center
Average County Precipitation for the Period 1/1/2009 to 12/31/2009



National Weather Service
Middle Atlantic River Forecast Center
Deviation from Normal Precipitation for the Period 1/1/2009 to 12/31/2009



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



Key: Planting Most Active Harvesting Begins Ends

Livestock, Dairy & Poultry



LIVESTOCK
DAIRY
POULTRY

Livestock Inventory & Production

By Mark A. Linstedt

The total value of all cattle, hogs and sheep on Pennsylvania farms January 1, 2010, was \$1.68 billion, down 14 percent from the previous year. Cattle inventory was valued at \$1.57 billion on January 1, 2010, accounting for 93.6 percent of the total value of all livestock in Pennsylvania. Sheep inventory, valued at \$16.0 million, accounted for 1.0 percent of the total. Hog inventory, valued at \$90.9 million on December 1, 2009, accounted for 5.4 percent of the total livestock inventory value.

Cattle: All cattle in Pennsylvania totaled 1,620,000 head on January 1, 2010, up 30,000 head from January 1, 2009. Of the total, 700,000 were cows and heifers that had calved. Milk cow inventory totaled 540,000, a 10,000 head decrease from 1 year earlier. The number of beef cows at 160,000 head, was up 10,000 head from last year. Heifers 500 pounds and over totaled 340,000, up 30,000 from January 1, 2009. There were 300,000 heifers for dairy replacement and 40,000 for beef cow replacement. Steers 500 pounds and over totaled 150,000. A total of 25,000 bulls 500 pounds and over were on hand. Calves under 500 pounds totaled 355,000, up 20,000 from the previous year. The 2009 Pennsylvania calf crop totaled 610,000 head, steady with the 2008 calf crop.

The gross income from cattle production was \$433 million in 2009, down 15.8 percent from the previous year. Pennsylvania ranked 5th in the United States in milk cow inventory on January 1, 2010, and 19th in cattle inventory.

Hogs: There were 1,140,000 hogs and pigs on Pennsylvania farms as of December 1, 2009, 20,000 head above the previous year. Breeding hog inventory, at 100,000 head, was 10,000 head more than the previous year. A total of 1,040,000 market hogs and pigs were on hand as of December 1, 2009, 10,000 head above last year.

Pennsylvania's pig crop in 2009 totaled 1,675,000, up 139,000 head from 2008. A total of 170,000 sows farrowed in 2009, averaging 9.85 pigs per litter. The gross income from pork production was \$171.3 million for 2009, which was down 2 percent from 2008. Pennsylvania's hog inventory ranked 12th in the United States on December 1, 2009.

Sheep: January 1, 2010 sheep and lamb inventory totaled 94,000 head, down 6,000 head from January 1, 2009. Commonwealth flocks included 80,000 breeding sheep and

lambs. The total lamb crop for 2009 was 65,000 lambs, down 8,000 head from 2008. Wool production totaled 350,000 pounds, 50,000 pounds less than 2008 wool production.

The gross income from sheep production in 2009 was \$6.0 million, up slightly from 2008. The value of wool produced during the year was \$116,000, down \$8,000 from 2008. Pennsylvania ranked 15th in the United States in sheep and lamb inventory as of January 1, 2010.

Goats: January 1, 2010 milk and meat goat inventory totaled 59,000 head, up 2,500 head from January 1, 2009. Commonwealth herds included 42,000 meat and other goats and 17,000 milk goats.

Red Meat Production: Pennsylvania red meat production, dressed weight basis, in commercial slaughter establishments totaled 1.28 billion pounds in 2009, down 4.1 percent from 2008. There were 234 commercial slaughter plants in Pennsylvania on January 1, 2010. Pennsylvania ranked 1st among all states in the number of commercial slaughter plants.

Commercial cattle slaughter totaled 928,500 head in 2009, 7 percent below the previous year. Total live weight for cattle slaughtered was 1.15 billion pounds. Average live weight at 1,255 pounds was 8 pounds below the 2008 average. Slaughter of calves weighing less than 500 pounds totaled 129,500 head, down 19.5 percent from 2008. Total live weight for calves slaughtered was 55.1 million pounds. The average live weight for calves, at 426 pounds, was up 56 pounds from 2008.

A total of 3,008,300 hogs were slaughtered in Pennsylvania in 2009, down slightly from 2008. Total live weight for hogs slaughtered was 774.4 million pounds. The average live weight for hogs slaughtered was 258 pounds, up 2 pounds from 2008.

Sheep and lamb slaughter was at 46,300 head. Total live weight for sheep and lambs slaughtered was 4,537,000 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 2009. Pennsylvania's rankings by number of head slaughtered were: 8th for cattle, 3rd for calves, 10th for hogs, and 6th for sheep.

Pennsylvania: Livestock and Poultry Inventory, 2003-2010

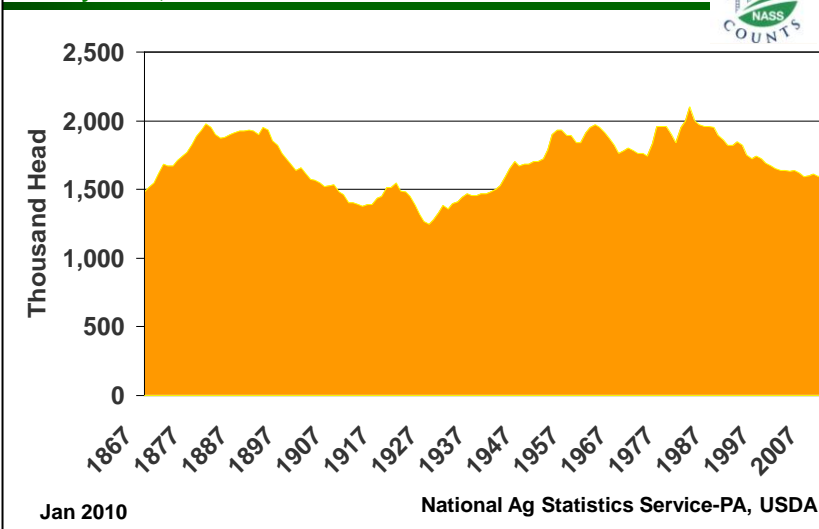
Specie and Class	Number On Farms December 1						
	2003	2004	2005	2006	2007	2008	2009
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
Hogs and Pigs	1,110	1,080	1,100	1,080	1,170	1,120	1,140
Kept for Breeding	120	115	100	105	105	90	100
Market Hogs and Pigs	990	965	1,000	975	1,065	1,030	1,040
• Under 50 Pounds ³	-	-	-	-	-	-	280
• Under 60 Pounds	350	280	310	300	345	320	-
• 50-119 Pounds ³	-	-	-	-	-	-	330
• 60-119 Pounds	235	275	280	300	300	300	-
• 120-179 Pounds	195	215	215	185	220	215	220
• 180 Pounds and Over	210	195	195	190	200	195	210
Chickens, Excluding Broilers	29,408	27,932	28,926	28,303	26,700	25,883	28,049
Hens and Pullets of Laying Age	23,380	23,290	24,305	24,097	21,993	21,833	23,298
• Hens 1 Year Old and Older	14,219	1	1	1	1	1	1
• Pullets of Laying Age	9,161	1	1	1	1	1	1
Pullets Not of Laying Age	5,935	4,532	4,511	4,092	4,612	3,945	4,640
• 3 Months Old and Older	2,193	1	1	1	1	1	1
• Under 3 Months Old	3,742	1	1	1	1	1	1
Other Chickens, Excluding Broilers	93	110	110	114	104	105	111

Specie and Class	Number On Farms January 1						
	2004	2005	2006	2007	2008	2009	2010
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
Cattle and Calves	1,640	1,620	1,590	1,600	1,610	1,590	1,620
Cows and Heifers that have Calved	720	720	710	700	710	700	700
• Milk Cows	564	566	558	550	552	550	540
• Beef Cows	156	154	152	150	158	150	160
Heifers 500 Pounds and Over	370	370	360	375	375	370	390
• Milk Cow Replacement	280	275	275	270	275	270	300
• Beef Cow Replacement	40	40	40	40	40	40	40
• Other	50	55	45	65	60	60	50
Steers 500 Pounds and Over	165	170	150	160	160	160	150
Bulls 500 Pounds and Over	25	25	25	25	25	25	25
Calves Under 500 Pounds	360	335	345	340	340	335	355
Cattle and Calves On Feed	75	75	75	75	75	75	75
Sheep and Lambs	85	100	110	105	98	100	94
Breeding Sheep and Lambs	71	83	94	88	82	84	80
• Ewes (1 Year Old and Older)	55	63	73	66	63	64	63
• Rams (1 Year Old and Older)	5	5	6	6	5	6	5
• Replacement Lambs	11	15	15	16	14	14	12
Market Sheep and Lambs	14	17	16	17	16	16	14
• Lambs	12	13	14	14	13	13	12
• Sheep	2	4	2	3	3	3	2
Goats ²	-	46.2	47.2	49.8	57	56.5	59
• Meat Goats	-	35.2	37.0	38.0	44	42	42
• Milk Goats	-	11.0	10.2	11.8	13	14.5	17

¹ Data not available due to program change. ² Pennsylvania added to USDA, NASS's Goat Estimation Program in 2005. ³ Weight group began in Dec 2009.

Cattle Inventory, January 1

Pennsylvania, 1867-2010



Pennsylvania: Livestock On Farms and Value, January 1, 1970-2010

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
2005	1,080	107,910	1,620	1,749,600	100	14,600	1,872,200
2006	1,100	97,900	1,590	1,971,600	110	17,050	2,086,550
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	90,860	1,620	1,571,400	94	15,980	1,678,240

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

Pennsylvania: Annual Pig Crop, 1970-2009

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
2005	188,000	9.46	1,778,000
2006	182,000	9.21	1,676,000
2007	188,000	9.21	1,731,000
2008	162,000	9.48	1,536,000
2009	170,000	9.85	1,675,000

Pennsylvania: Calf Crop, 1970-2010

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
2005	566	154	275	40	335	610
2006	558	152	275	40	345	620
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	-

¹ January 1 inventory. ² Estimates began in 1977.

Pennsylvania: Lamb and Wool Crops, 1970-2009

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
2005	63	140	88	71	6.5	460	124
2006	73	126	92	60	6.7	400	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

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

Pennsylvania: Goats - Number by Class, January 1, 2005-2010

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

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

Pennsylvania: All Cattle & Calves On Farms and Value, January 1, 2009, Revised

County & District	Head (number)	Value (dollars)
Adams	26,900	31,204,000
Allegheny	2,300	2,668,000
Armstrong	15,500	17,980,000
Beaver	8,800	10,208,000
Bedford	45,700	53,012,000
Berks	63,100	73,196,000
Blair	37,700	43,732,000
Bradford	66,000	76,560,000
Butler	17,000	19,720,000
Cambria	10,500	12,180,000
Carbon	1,100	1,276,000
Centre	30,100	34,916,000
Chester	41,100	47,676,000
Clarion	14,700	17,052,000
Clinton	15,800	18,328,000
Crawford	41,200	47,792,000
Cumberland	46,700	54,172,000
Dauphin	17,400	20,184,000
Elk	2,900	3,364,000
Erie	14,500	16,820,000
Fayette	17,900	20,764,000
Franklin	107,000	124,120,000
Fulton	17,900	20,764,000
Greene	16,300	18,908,000
Huntingdon	31,100	36,076,000
Indiana	28,000	32,480,000
Juniata	19,600	22,736,000
Lackawanna	5,600	6,496,000
Lancaster	240,000	278,400,000
Lebanon	50,300	58,348,000
Luzerne	4,500	5,220,000
Lycoming	20,000	23,200,000
McKean	4,200	4,872,000
Mercer	29,900	34,684,000
Mifflin	31,300	36,308,000
Montgomery	5,400	6,264,000
Northampton	5,800	6,728,000
Northumberland	18,800	21,808,000
Perry	27,500	31,900,000
Pike	400	464,000
Potter	13,200	15,312,000
Snyder	22,700	26,332,000
Somerset	45,800	53,128,000
Susquehanna	29,600	34,336,000
Tioga	34,300	39,788,000
Union	21,600	25,056,000
Warren	11,500	13,340,000
Washington	33,500	38,860,000
Wayne	14,200	16,472,000
Westmoreland	25,700	29,812,000
Wyoming	7,600	8,816,000
York	43,800	50,808,000
Northwestern, Combined Counties	8,900	10,324,000
North Central, Combined Counties	5,100	5,916,000
West Central, Combined Counties	26,000	30,160,000
Central, Combined Counties	23,200	26,912,000
East Central, Combined Counties	16,200	18,792,000
Southeastern, Combined Counties	6,600	7,656,000
Northwestern	106,000	122,960,000
North Central	161,500	187,340,000
Northeastern	57,000	66,120,000
West Central	110,000	127,600,000
Central	291,500	338,140,000
East Central	28,000	32,480,000
Southwestern	141,500	164,140,000
South Central	288,000	334,080,000
Southeastern	406,500	471,540,000
Pennsylvania	1,590,000	1,844,400,000

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 the publication.

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

County & District	Head (number)	Value (dollars)
Adams	27,200	26,384,000
Allegheny	2,300	2,231,000
Armstrong	15,800	15,326,000
Beaver	8,900	8,633,000
Bedford	46,200	44,814,000
Berks	65,900	63,923,000
Blair	35,300	34,241,000
Bradford	68,000	65,960,000
Bucks	6,600	6,402,000
Butler	17,400	16,878,000
Cambria	11,200	10,864,000
Cameron	500	485,000
Carbon	1,100	1,067,000
Centre	30,400	29,488,000
Chester	43,000	41,710,000
Clarion	14,900	14,453,000
Clearfield	6,700	6,499,000
Crawford	42,000	40,740,000
Cumberland	47,200	45,784,000
Dauphin	18,300	17,751,000
Elk	3,000	2,910,000
Erie	14,800	14,356,000
Fayette	18,100	17,557,000
Forest	900	873,000
Franklin	117,300	113,781,000
Fulton	18,100	17,557,000
Greene	15,200	14,744,000
Huntingdon	28,600	27,742,000
Indiana	27,900	27,063,000
Jefferson	9,300	9,021,000
Juniata	19,800	19,206,000
Lackawanna	5,600	5,432,000
Lancaster	246,000	238,620,000
Lawrence	16,800	16,296,000
Lebanon	56,000	54,320,000
Lehigh	4,000	3,880,000
Luzerne	4,500	4,365,000
McKean	4,300	4,171,000
Mercer	30,500	29,585,000
Mifflin	31,600	30,652,000
Monroe	1,000	970,000
Northampton	6,000	5,820,000
Northumberland	21,000	20,370,000
Perry	30,000	29,100,000
Pike	400	388,000
Potter	13,300	12,901,000
Schuylkill	11,500	11,155,000
Snyder	22,400	21,728,000
Somerset	46,700	45,299,000
Sullivan	4,700	4,559,000
Susquehanna	29,900	29,003,000
Tioga	35,400	34,338,000
Union	18,700	18,139,000
Venango	8,100	7,857,000
Warren	11,700	11,349,000
Washington	30,200	29,294,000
Wayne	14,400	13,968,000
Westmoreland	26,500	25,705,000
Wyoming	7,600	7,372,000
York	41,000	39,770,000
North Central, Combined Counties	36,800	35,696,000
Central, Combined Counties	16,000	15,520,000
Southeastern, Combined Counties	5,500	5,335,000
Northwestern	108,000	104,760,000
North Central	166,000	161,020,000
Northeastern	57,500	55,775,000
West Central	111,000	107,670,000
Central	290,000	281,300,000
East Central	28,500	27,645,000
Southwestern	139,000	134,830,000
South Central	297,000	288,090,000
Southeastern	423,000	410,310,000
Pennsylvania	1,620,000	1,571,400,000

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 the publication.

Pennsylvania: Livestock On Farms and Value, 2007

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

State and county	Hogs and pigs		Sheep and lambs	
	Head (number)	Value (1,000 dols.)	Head (number)	Value (1,000 dols.)
Pennsylvania	1,167,449	336,437	96,883	10,322
Adams	18,738	6,094	2,183	275
Allegheny	133	17	603	43
Armstrong	1,913	(D)	1,036	72
Beaver	1,341	(D)	1,173	90
Bedford	16,253	5,804	3,695	329
Berks	71,199	17,974	2,483	247
Blair	455	155	732	227
Bradford	27,688	9,577	1,845	133
Bucks	390	64	2,312	176
Butler	1,512	192	1,510	(D)
Cambria	835	129	2,622	180
Cameron	163	21	-	-
Carbon	160	11	595	35
Centre	5,267	1,514	1,599	240
Chester	18,329	4,659	3,032	271
Clarion	1,022	129	975	250
Clearfield	298	24	174	(D)
Clinton	1,630	75	256	27
Columbia	8,362	1,704	400	48
Crawford	2,125	207	1,967	270
Cumberland	13,102	4,451	876	170
Dauphin	21,604	6,252	2,979	384
Delaware	(D)	(D)	136	14
Elk	202	20	115	3
Erie	1,000	115	619	47
Fayette	4,208	496	973	92
Forest	50	18	(D)	(D)
Franklin	94,842	25,951	2,265	214
Fulton	28,647	9,157	953	(D)
Greene	211	21	3,513	235
Huntingdon	16,574	4,703	1,277	115
Indiana	3,410	290	1,945	141
Jefferson	518	71	653	71
Juniata	34,940	10,356	1,742	223
Lackawanna	52	5	354	(D)
Lancaster	355,023	103,331	5,954	866
Lawrence	2,660	332	1,805	252
Lebanon	99,985	26,765	1,765	165
Lehigh	4,127	1,273	1,237	142
Luzerne	503	21	638	38
Lycoming	20,174	5,728	1,192	91
McKean	311	28	266	32
Mercer	3,182	499	2,525	206
Mifflin	18,388	8,468	1,226	213
Monroe	94	9	290	26
Montgomery	7,886	1,064	968	61
Montour	596	(D)	121	19
Northampton	409	73	578	50
Northumberland	39,340	12,393	1,027	117
Perry	61,534	14,765	1,523	121
Philadelphia	(D)	(D)	18	(D)
Pike	-	-	151	3
Potter	(D)	148	665	130
Schuylkill	20,136	6,433	431	49
Snyder	36,157	12,538	998	68
Somerset	3,863	738	2,797	414
Sullivan	124	7	(D)	6
Susquehanna	373	55	1,756	201
Tioga	19,419	5,446	2,292	369
Union	28,265	11,298	581	177
Venango	(D)	53	928	75
Warren	444	59	462	(D)
Washington	(D)	120	8,506	481
Wayne	452	49	836	42
Westmoreland	1,272	148	2,432	433
Wyoming	316	28	390	62
York	39,186	12,579	4,812	423

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

Pennsylvania: Livestock On Farms and Value, 2002

Data taken from the 2002 Census of Agriculture

State and county	Hogs and pigs		Sheep and lambs	
	Head (number)	Value (1,000 dols.)	Head (number)	Value (1,000 dols.)
Pennsylvania	1,226,845	269,318	102,890	7,355
Adams	15,122	3,040	1,375	(D)
Allegheny	292	99	858	(D)
Armstrong	2,020	159	1,214	48
Beaver	484	(D)	1,412	60
Bedford	14,243	3,814	3,452	198
Berks	61,517	13,460	1,979	166
Blair	1,336	234	599	117
Bradford	30,013	7,314	2,489	119
Bucks	1,546	85	1,918	85
Butler	2,650	633	2,342	91
Cambria	2,179	213	2,463	101
Cameron	(D)	(D)	(D)	(D)
Carbon	246	29	244	22
Centre	7,054	1,141	2,191	294
Chester	12,860	2,408	2,856	142
Clarion	1,297	213	1,004	78
Clearfield	483	54	94	(D)
Clinton	1,164	277	342	(D)
Columbia	11,602	2,091	764	27
Crawford	2,642	217	1,585	82
Cumberland	13,560	2,843	1,539	166
Dauphin	5,545	726	3,297	261
Delaware	-	(D)	101	22
Elk	217	20	103	5
Erie	1,752	264	825	33
Fayette	1,736	210	1,204	82
Forest	224	28	(D)	(D)
Franklin	105,131	20,193	2,903	355
Fulton	22,382	5,237	718	90
Greene	409	26	3,912	209
Huntingdon	12,123	2,053	1,286	185
Indiana	1,196	253	2,604	109
Jefferson	500	106	826	(D)
Juniata	38,913	7,463	1,896	142
Lackawanna	29	7	166	(D)
Lancaster	386,801	86,314	6,125	507
Lawrence	7,359	1,192	1,912	86
Lebanon	112,809	27,213	1,636	106
Lehigh	2,896	496	1,031	33
Luzerne	395	(D)	467	21
Lycoming	20,279	4,304	1,815	80
McKean	317	47	217	11
Mercer	4,877	799	2,251	86
Mifflin	22,528	5,236	972	113
Monroe	134	13	337	18
Montgomery	4,795	1,006	1,689	89
Montour	784	147	583	38
Northampton	3,255	253	564	(D)
Northumberland	35,453	7,850	1,217	59
Perry	63,098	14,888	1,518	93
Philadelphia	-	-	(D)	-
Pike	8	1	62	5
Potter	514	29	701	30
Schuylkill	21,876	4,731	311	12
Snyder	49,087	12,129	1,222	70
Somerset	1,606	233	2,164	349
Sullivan	(D)	4	455	10
Susquehanna	436	62	1,635	312
Tioga	33,245	7,635	2,840	131
Union	19,822	5,539	416	49
Venango	769	(D)	865	(D)
Warren	299	26	556	23
Washington	1,743	195	9,146	544
Wayne	1,261	163	1,081	20
Westmoreland	2,933	331	2,783	477
Wyoming	142	19	1,044	49
York	54,698	13,388	4,606	(D)

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

Pennsylvania: Commercial Slaughter of Livestock, 2008-2009 ¹

Month	Number of head		Live weight			
			Per head		Total pounds	
	2008	2009	2008	2009	2008	2009
	(number)	(number)	(number)	(number)	(1,000 lbs.)	(1,000 lbs.)
CATTLE						
January	84,600	77,200	1,281	1,279	107,425	97,529
February	73,700	74,200	1,279	1,284	93,584	94,227
March	77,000	76,700	1,278	1,277	97,535	96,905
April	86,300	78,100	1,272	1,264	108,890	97,552
May	84,800	76,400	1,256	1,248	105,743	94,286
June	81,000	82,200	1,253	1,245	100,673	101,021
July	86,600	76,800	1,240	1,240	106,434	93,886
August	85,200	73,700	1,240	1,234	104,815	89,783
September	86,300	80,900	1,248	1,246	106,557	99,629
October	92,800	83,500	1,262	1,246	115,904	103,010
November	83,300	73,400	1,275	1,250	105,289	90,932
December	77,100	75,500	1,273	1,255	97,003	93,701
Annual	998,700	928,500	1,263	1,255	1,249,851	1,152,461
CALVES						
January	14,000	11,600	389	420	5,457	4,860
February	13,900	10,300	401	428	5,561	4,392
March	13,400	11,600	399	426	5,329	4,952
April	14,000	10,700	411	424	5,760	4,523
May	11,300	9,500	395	422	4,470	3,984
June	10,700	11,000	403	414	4,303	4,530
July	12,400	10,800	367	429	4,556	4,607
August	13,300	10,600	342	427	4,536	4,536
September	15,000	11,300	334	427	5,002	4,832
October	15,500	10,900	330	429	5,104	4,668
November	12,800	10,200	337	432	4,293	4,402
December	14,400	11,100	353	434	5,089	4,821
Annual	160,800	129,500	370	426	59,460	55,108
SHEEP AND LAMBS						
January	3,700	3,300	102	99	372	329
February	3,600	3,100	100	103	359	322
March	5,700	4,400	85	99	486	433
April	5,400	6,100	88	89	477	546
May	4,400	3,100	97	98	424	307
June	4,200	4,100	100	98	417	398
July	4,500	3,700	99	99	442	370
August	4,800	4,100	103	99	492	407
September	5,200	3,900	100	98	519	382
October	4,500	3,400	101	100	449	341
November	4,000	3,000	100	102	395	310
December	5,000	3,900	97	100	489	391
Annual	54,800	46,300	97	98	5,320	4,537
HOGS AND PIGS						
January	251,600	235,100	258	258	64,738	60,527
February	232,200	223,900	255	258	59,206	57,777
March	235,500	245,400	255	257	59,873	63,055
April	250,100	242,400	255	257	63,736	62,190
May	245,700	237,800	254	255	62,318	60,571
June	233,800	242,800	249	253	58,234	61,385
July	254,300	243,500	251	255	63,641	61,989
August	243,900	241,100	253	256	61,689	61,649
September	255,800	269,800	257	259	65,765	69,902
October	275,800	273,400	261	263	72,006	71,888
November	236,500	254,900	262	262	61,799	66,718
December	295,800	298,200	257	258	75,923	76,767
Annual	3,010,900	3,008,300	256	258	768,928	774,417

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, 1970-2009

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
2005	840.8	1,026,338	153.1	62,753	58.6	5,618	2,841.1	695,632
2006	858.5	1,054,425	178.1	70,882	55.0	5,142	2,959.9	738,291
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

Pennsylvania: Cattle and Calves - Production, Disposition and Income, 1970-2009

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
2005	1,620	610	100	427	225	10	33	45	1,590	492,113
2006	1,590	620	135	429	226	10	34	46	1,600	485,988
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

¹ Value of marketings and home consumption.

Pennsylvania: Hogs and Pigs - Production, Disposition and Income, 1970-2009

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	92	627	38,462
1980	870	1,282	n/a	948	64	160	980	89,466
1990	975	1,365	87	1,425	17	65	920	183,277
2000	1,050	1,692	84	1,715	8.5	72	1,030	156,348
2005	1,090	1,778	410	2,086	8.0	84	1,100	241,640
2006	1,100	1,676	529	2,127	7.0	91	1,080	219,543
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	1,769	4.0	174	1,160	171,300

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

Pennsylvania: Sheep and Lambs - Production, Disposition and Income, 1970-2009

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	75	3	20	13	160	1,905
1980	105	83	10	47	5	11	10	105	3,169
1990	134	100	21.0	54.0	2	5.0	12.0	140	4,038
2000	81	70	7.3	51.0	1.2	3.5	8.5	81	4,542
2005	100	86	5.0	58.9	1.7	4.0	8.0	110	6,863
2006	110	87	17.2	59.8	1.7	4.5	10.0	105	7,158
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

¹ Value of marketings and home consumption.

Cattle Death Loss, 2005

By Pamela K. Kanagy

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 3,000 head. This represented 3.8 percent of the total losses from all causes and resulted in a loss of \$1.69 million to farmers and ranchers.

Cattle and calf losses from non-predator causes totaled 75,000 head or 96.2 percent of the total losses. Respiratory problems was the leading cause of non-

predator deaths accounting for 24.5 percent, followed by digestive problems at 21.1 percent.

Farmers and ranchers throughout Pennsylvania used many methods to control predators. Use of guard animal was the most common method at 46.0 percent. Exclusion fencing, frequent checking, and culling were the next most commonly used methods of preventing cattle and calf losses at 40.5 percent, 28.5 percent, and 22.4 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, 2005

All causes		Predators		Non-predators	
Cattle	Calves	Cattle	Calves	Cattle	Calves
(head)	(head)	(head)	(head)	(head)	(head)
33,000	45,000	1,000	2,000	32,000	43,000

Pennsylvania: Losses of Cattle and Calves from Predators and Non-Predator Causes, Total Value per Head and Total Value, 2005

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)
895	396	895	792	28,640	17,028

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 2005 and 2006.

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, 2005

Digestive problems		Respiratory problems		Metabolic problems		Lameness/injury	
Cattle	Calves	Cattle	Calves	Cattle	Calves	Cattle	Calves
(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)
3,200	12,600	4,400	14,000	3,000	1,000	3,700	1,400
Mastitis		Weather related		Calving problems		Poisoning	
Cattle	Calves	Cattle	Calves	Cattle	Calves	Cattle	Calves
(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)
3,800	¹	400	900	5,100	6,500	300	300

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, 2005

Guard animals	Exclusion fencing	Herding	Night penning	Frequent checks	Fright tactics	Livestock carcass removal	Culling
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
46.0	40.5	9.0	17.9	28.5	2.9	18.2	22.4

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 Slightly: Pennsylvania's milk production for 2009 was 10.6 billion pounds, 24 million pounds less than 2008 production. The 2009 average milk production per cow was 19,360 pounds for the year, 98 pounds more than 2008 production of 19,262 pounds per cow.

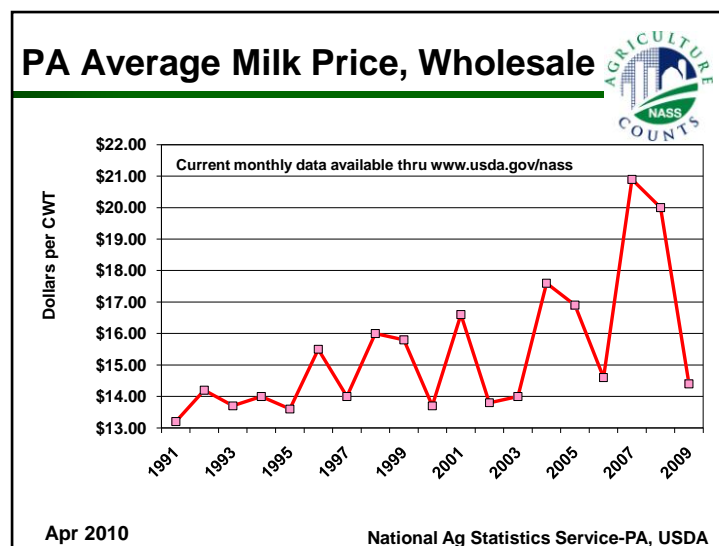
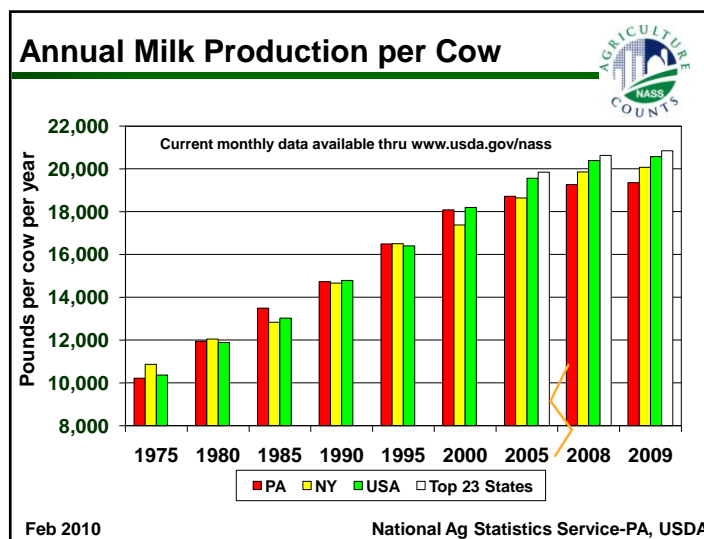
Pennsylvania held steady at 5th place in the nation's ranking in milk production, producing 5.6 percent of the nation's milk. California was 1st with 20.9 percent of the U.S. production, followed by Wisconsin, New York, and Idaho respectively.

The number of milk cows in the State averaged 545,000 head in 2009, 4,000 less than in 2008.

Milk Disposition & Income: Gross income from marketings of Pennsylvania milk during 2009 totaled 1.52 billion dollars, down 595.7 million dollars from 2008. Marketings totaled 10.5 billion pounds in 2009, down 26 million pounds from 2008. Returns from both wholesale and retail sales in 2008 averaged \$14.40 per hundred pounds of milk, compared with \$20.00 per hundred pounds in 2008.

An estimated 66 million pounds of milk were used on farms where produced. Calves in the Commonwealth were fed 48 million pounds of milk, while 18 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.



Pennsylvania: Milk Cows, Milk Production and Milk Price, By Months, 1999-2009

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk cows on farm ¹ (1,000 head)													
1999	617	615	614	615	615	614	614	615	616	617	618	619	616
2000	617	617	618	615	615	617	619	619	619	618	616	613	617
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
Milk production per cow (pounds)													
1999	1,475	1,375	1,565	1,545	1,605	1,495	1,470	1,455	1,415	1,450	1,420	1,480	17,745
2000	1,520	1,475	1,620	1,590	1,615	1,495	1,500	1,485	1,420	1,470	1,425	1,470	18,081
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
Total milk production (million pounds)													
1999	910	846	961	950	987	918	903	895	872	895	878	916	10,931
2000	938	910	1,001	978	993	922	929	919	879	908	878	901	11,156
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
Wholesale milk price (dollars per cwt.)													
1999	18.80	17.70	17.70	13.30	14.00	14.50	14.60	15.00	16.50	16.90	17.20	13.50	15.80
2000	13.20	12.90	13.10	13.10	13.50	13.70	13.90	13.80	14.20	14.30	14.60	14.70	13.70
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

¹ Average number of cows both dry and in milk.

Pennsylvania: Milk Used and Marketed by Farmers, 1999-2009

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.)
1999	10,931	404.4	3.70	55	11	66	10,615	250	10,865	1,727,098
2000	11,156	415.0	3.72	50	5	55	10,993	108	11,101	1,528,372
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

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, 2008, Revised ¹

County & District	Number of milk cows		Production ²		Value of production ³
	Jan. 1, 2009 inventory (number)	2008 average (number)	Per cow (pounds)	Total (1,000 lbs.)	
Armstrong	3,200	3,100	18,032	55,900	11,000
Beaver	2,000	2,100	17,810	37,400	8,000
Bedford	15,900	16,000	17,450	279,200	56,000
Berks	21,500	21,500	19,651	422,500	84,000
Blair	17,600	17,600	17,801	313,300	64,000
Bradford	25,000	25,000	19,452	486,300	98,000
Butler	3,700	3,800	18,842	71,600	14,000
Cambria	2,400	2,400	17,417	41,800	8,000
Centre	11,700	11,500	18,348	211,000	42,000
Chester	17,900	17,700	22,655	401,000	80,000
Clarion	3,400	3,600	16,806	60,500	12,000
Clearfield	1,800	2,000	16,000	32,000	6,000
Crawford	14,400	14,000	18,350	256,900	52,000
Cumberland	16,700	16,600	20,253	336,200	67,000
Dauphin	6,100	6,200	20,339	126,100	25,000
Fayette	3,400	3,500	16,657	58,300	12,000
Franklin	44,800	44,000	19,745	868,800	175,000
Fulton	5,300	5,500	17,655	97,100	19,000
Greene	700	800	18,000	14,400	3,000
Juniata	7,600	7,700	18,649	143,600	29,000
Lackawanna	1,500	1,300	16,385	21,300	4,000
Lancaster	97,100	96,800	20,648	1,998,700	400,000
Lawrence	5,000	5,100	18,333	93,500	19,000
Lebanon	22,300	21,400	21,958	469,900	94,000
Luzerne	1,300	1,300	17,231	22,400	5,000
McKean	900	1,100	20,273	22,300	4,000
Mifflin	11,800	12,000	19,642	235,700	47,000
Montgomery	1,300	1,600	17,000	27,200	5,000
Northampton	1,600	1,800	17,944	32,300	7,000
Northumberland	5,600	5,200	18,635	96,900	19,000
Perry	9,100	8,800	21,648	190,500	38,000
Potter	4,800	4,500	19,467	87,600	17,000
Schuylkill	3,000	2,700	17,667	47,700	9,000
Snyder	7,500	7,700	17,649	135,900	27,000
Somerset	18,100	18,600	17,581	327,000	65,000
Sullivan	2,000	2,000	18,100	36,200	7,000
Susquehanna	11,200	10,800	18,407	198,800	40,000
Tioga	11,600	11,800	18,229	215,100	43,000
Union	8,400	8,600	19,442	167,200	33,000
Venango	1,600	1,700	16,353	27,800	6,000
Wayne	6,400	6,200	17,355	107,600	21,000
Westmoreland	6,400	6,500	17,754	115,400	23,000
Wyoming	2,900	3,200	16,656	53,300	11,000
Northwestern, Combined Counties	19,000	19,800	17,086	338,300	67,000
North Central, Combined Counties	11,700	12,100	17,727	214,500	43,000
West Central, Combined Counties	9,200	9,300	18,720	174,100	35,000
Central, Combined Counties	17,400	17,300	18,902	327,000	66,000
East Central, Combined Counties	1,600	1,700	18,000	30,600	6,000
Southwestern, Combined Counties	4,400	4,600	16,065	73,900	15,000
South Central, Combined Counties	18,300	16,900	19,923	336,700	67,000
Southeastern, Combined Counties	1,900	2,000	17,850	35,700	7,000
Northwestern	35,000	35,500	17,549	623,000	125,000
North Central	56,000	56,500	18,796	1,062,000	212,000
Northeastern	22,000	21,500	17,721	381,000	76,000
West Central	26,500	27,000	18,259	493,000	99,000
Central	107,000	107,000	18,888	2,021,000	404,000
East Central	7,500	7,500	17,733	133,000	27,000
Southwestern	33,000	34,000	17,324	589,000	118,000
South Central	101,000	99,000	19,374	1,918,000	384,000
Southeastern	162,000	161,000	20,839	3,355,000	670,000
Pennsylvania	550,000	549,000	19,262	10,575,000	2,115,000

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 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.

Pennsylvania: Number of Milk Cows, Production and Value of Production, 2009 ¹

County & District	Number of milk cows		Production ²		Value of production ³
	Jan. 1, 2010 inventory (number)	2009 average (number)	Per cow (pounds)	Total (1,000 lbs.)	
Adams	7,400	7,600	20,395	155,000	22,320
Armstrong	3,200	3,200	18,156	58,100	8,366
Beaver	2,000	2,000	17,800	35,600	5,126
Bedford	16,600	16,400	17,518	287,300	41,371
Berks	21,300	21,300	19,531	416,000	59,904
Blair	16,700	17,200	18,779	323,000	46,512
Bradford	24,900	24,900	18,574	462,500	66,600
Bucks	2,200	2,200	18,364	40,400	5,818
Butler	3,500	3,500	19,029	66,600	9,590
Cambria	2,200	2,200	18,182	40,000	5,760
Centre	10,800	11,300	18,407	208,000	29,952
Chester	18,000	17,900	22,804	408,200	58,781
Clarion	3,000	3,000	17,667	53,000	7,632
Clearfield	1,500	1,700	16,176	27,500	3,960
Clinton	5,000	5,000	17,240	86,200	12,413
Columbia	3,100	3,300	18,939	62,500	9,000
Crawford	14,100	14,400	18,056	260,000	37,440
Cumberland	16,800	16,800	20,738	348,400	50,170
Dauphin	5,700	5,900	19,627	115,800	16,675
Erie	5,500	5,600	17,268	96,700	13,925
Fayette	3,500	3,500	16,571	58,000	8,352
Franklin	44,700	44,800	19,179	859,200	123,725
Fulton	4,600	5,200	17,327	90,100	12,974
Huntingdon	11,400	11,800	19,025	224,500	32,328
Indiana	7,000	7,000	18,571	130,000	18,721
Jefferson	2,300	2,300	17,391	40,000	5,760
Juniata	7,500	7,600	19,079	145,000	20,880
Lackawanna	1,500	1,500	16,600	24,900	3,586
Lancaster	95,700	96,000	21,046	2,020,400	290,937
Lawrence	5,000	5,000	18,340	91,700	13,205
Lebanon	24,100	23,300	22,721	529,400	76,234
Lehigh	1,200	1,200	18,333	22,000	3,168
Luzerne	1,100	1,200	17,250	20,700	2,981
Lycoming	5,600	5,600	18,107	101,400	14,602
McKean	900	900	19,556	17,600	2,534
Mercer	8,800	8,900	17,079	152,000	21,888
Mifflin	11,900	11,900	19,387	230,700	33,221
Montgomery	1,200	1,300	17,385	22,600	3,254
Montour	1,800	1,800	17,778	32,000	4,608
Northampton	1,500	1,600	18,250	29,200	4,205
Northumberland	5,900	5,700	19,649	112,000	16,128
Perry	8,900	9,100	21,571	196,300	28,267
Potter	4,700	4,700	18,021	84,700	12,197
Schuylkill	3,300	3,100	17,677	54,800	7,891
Snyder	6,900	7,100	17,986	127,700	18,389
Somerset	16,500	17,700	17,458	309,000	44,496
Sullivan	2,000	2,000	18,250	36,500	5,256
Susquehanna	10,600	10,600	18,679	198,000	28,512
Tioga	11,400	11,400	18,149	206,900	29,794
Union	8,200	8,400	19,643	165,000	23,760
Warren	4,300	4,300	17,047	73,300	10,555
Washington	3,800	4,100	15,732	64,500	9,288
Wayne	6,200	6,200	17,435	108,100	15,566
Westmoreland	6,400	6,400	17,891	114,500	16,488
Wyoming	2,700	2,700	16,852	45,500	6,552
York	9,900	10,200	19,902	203,000	29,232
Northwestern, Combined Counties	1,800	1,800	16,389	29,500	4,248
North Central, Combined Counties	500	500	16,400	8,200	1,180
East Central, Combined Counties	400	400	17,000	6,800	979
Southwestern, Combined Counties	800	800	18,125	14,500	2,088
Northwestern	34,500	35,000	17,471	611,500	88,056
North Central	55,000	55,000	18,255	1,004,000	144,576
Northeastern	21,000	21,000	17,929	376,500	54,216
West Central	26,000	26,000	18,269	475,000	68,400
Central	102,500	105,000	19,143	2,010,000	289,440
East Central	7,500	7,500	17,800	133,500	19,224
Southwestern	31,000	32,500	17,246	560,500	80,712
South Central	100,000	101,000	19,238	1,943,000	279,792
Southeastern	162,500	162,000	21,216	3,437,000	494,928
Pennsylvania	540,000	545,000	19,360	10,551,000	1,519,344

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 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.

Annual Dairy Products, 2009

By Jillayne K. Weaver

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

Ice Cream Production: Pennsylvania manufacturers produced 33.6 million gallons of full fat regular hard ice cream in 2009, down 1.6 percent from 2008. Lowfat ice cream production totaled 15.1 million gallons, up 7.4 percent from 2008. Pennsylvania ranks seventh in lowfat ice cream production. Milk sherbet production, at 739,000 gallons, decreased 21.8 percent from 2008.



Butter Production: The Commonwealth's 6 butter processors produced 79.1 million pounds of butter during 2009, up 3.1 percent from 2008.

Cheese Production: Production of all cheese, excluding cottage cheese, totaled 402.7 million pounds in 2009, up just 0.2 percent from 2008. Production of all types of Italian cheeses increased 1.5 percent to 254.9 million pounds.



Data are collected by mail and telephone interviews following the close of each month. There were 77 manufacturers in the State that made 1 or more of these products in 2009.

Pennsylvania: Specified Dairy Products Manufactured, Monthly, 2009

Product	Plants	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	(number)	(1,000 pounds)												
Butter	6	8,212	6,603	7,317	6,809	6,514	5,709	6,140	5,200	5,846	5,649	6,758	8,303	79,060
Cheese, Italian, total	14	22,461	20,420	22,260	22,759	22,714	22,751	21,394	20,236	19,299	20,719	19,502	20,349	254,864
Cheese, Swiss	8	798	760	925	922	1,027	1,130	1,029	905	854	798	747	852	10,747
Cheese, total	37	32,582	31,244	35,549	33,931	34,784	34,677	34,099	32,794	32,762	32,840	32,739	32,708	402,709
		(1,000 gallons)												
Ice cream, regular, hard	25	2,159	2,181	2,758	2,761	3,013	3,571	3,585	3,114	2,412	2,847	2,641	2,551	33,593
Ice cream, lowfat, total ¹	-	860	955	1,450	1,394	1,504	1,630	1,658	1,449	1,189	1,170	898	970	15,127
Sherbet, hard	-	54	51	72	100	58	76	73	76	50	52	52	25	739
Ice cream mix, regular	17	1,160	1,150	1,514	1,572	1,779	2,040	2,011	1,767	1,357	1,502	1,420	1,320	18,592
Ice cream mix, lowfat ²	12	353	392	601	589	649	694	710	635	510	472	364	391	6,360
Sherbet mix	9	33	29	41	64	33	47	46	48	30	33	34	15	453

¹ Includes hard, soft-serve, and freezer-made milkshake. ² Includes milkshake mix.

Pennsylvania: Dairy Products Manufactured, 2001-2009

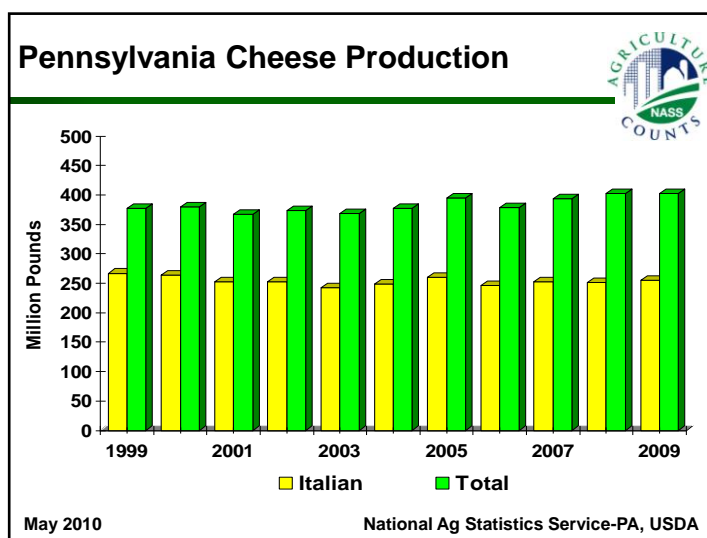
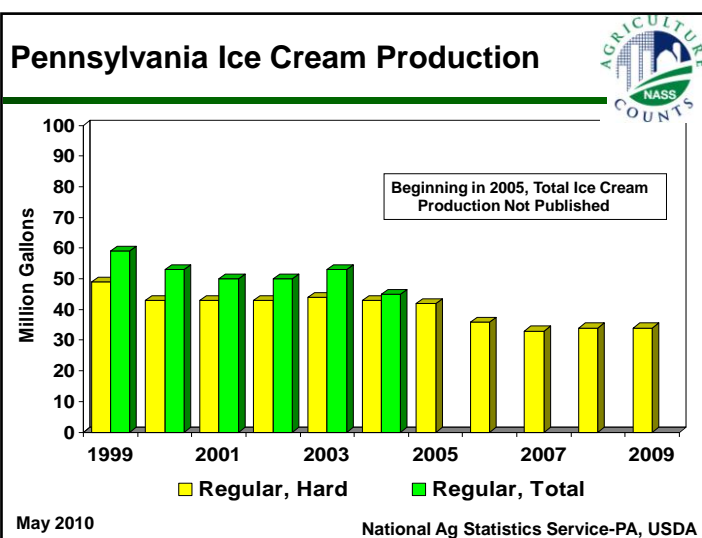
Manufactured Products	2001	2002	2003	2004	2005	2006	2007	2008	2009
	(1,000 pounds)								
Butter	74,378	80,603	61,928	60,327	71,616	72,151	70,462	76,693	79,060
Cheese, Italian, total	252,560	251,700	241,739	249,496	260,231	246,398	252,744	251,156	254,864
Cheese, Swiss	7,898	9,034	n/p	n/p	9,764	9,554	9,139	8,970	10,747
Cheese, total	366,972	374,051	368,945	376,730	395,003	377,540	393,877	402,058	402,709
	(1,000 gallons)								
Ice cream, regular, total	50,056	49,698	52,574	44,633	n/p	n/p	n/p	n/p	n/p
Ice cream, regular hard	42,912	42,912	43,975	43,479	41,601	35,558	33,421	34,134	33,593
Ice cream, lowfat, total ¹	22,183	16,239	12,379	12,914	12,918	15,984	15,557	14,089	15,127
Ice cream, lowfat, soft	17,578	13,660	10,270	10,246	8,740	n/p	n/p	n/p	n/p
Ice cream, lowfat, hard	4,605	2,579	2,109	2,668	4,178	n/p	n/p	n/p	n/p
Milk sherbet, hard	2,280	2,067	1,388	1,449	1,448	997	1,121	945	739
Ice cream mix, regular	25,587	24,887	25,823	21,433	21,029	19,923	18,709	19,035	18,592
Ice cream mix, lowfat ²	7,487	6,871	5,843	3,580	3,589	4,468	5,481	5,082	6,360
Milk sherbet mix	1,508	1,350	915	901	929	610	612	548	453

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

Pennsylvania: Rank Among States in Manufactured Dairy Products, 2009 ¹

Item	1	2	3	4	5	6	7	8	9	10
Butter	CA	PA	-	-	-	-	-	-	-	-
Cheese, total	WI	CA	ID	NY	MN	NM	PA	SD	IA	OH
Italian cheese, total	WI	CA	NY	PA	-	-	-	-	-	-
Cheese, Swiss	OH	PA	-	-	-	-	-	-	-	-
Ice cream, lowfat, total	IL	IN	FL	TX	CA	OH	PA	MO	UT	MA
Milk sherbet mix	CA	IN	NY	IL	OH	NC	MO	UT	TX	PA

¹ States not included in the rankings when individual plant operations could be disclosed.



Honey Production, 2009

By Tyler D. Heep

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

Honey production for 2009 by producers with 5 or more colonies totaled 840,000 pounds, down 23.9 percent from 2008. Honey producers took honey from 21,000 colonies, with an average yield of 40 pounds per colony. Honey stocks on hand as of December 15th were 319,000 pounds, 15.6 percent more than the previous year.

Honey producers received an average price of \$1.99 per pound for the 2009 crop.

Total value of honey produced in 2009 honey is estimated at 1,672,000 dollars for Pennsylvania production. Pennsylvania is ranked 21st the nation for honey production for 2009.

A sample of honey producers were surveyed in December for information on number of colonies, honey production, honey stocks on hand for sale, and prices received for honey sold.

Pennsylvania: Number of Colonies, Yield, Production, Value and Stocks, 1970-2009 ¹

Year	Honey producing colonies	Yield per colony	Production	Average price per pound ²	Value of production ³	Stocks Dec 15 ⁴
	(1,000)	(pounds)	(1,000 pounds)	(cents)	(1,000 dollars)	(1,000 pounds)
1970	96	39	3,744	20	756	1,385
1980	80	41	3,280	70	2,296	1,181
1990	41	28	1,148	67	769	379
2000	25	45	1,125	76	855	630
2002	29	57	1,653	134	2,215	827
2003	27	50	1,350	144	1,944	419
2004	30	54	1,620	142	2,300	810
2005	28	56	1,568	112	1,756	800
2006	28	40	1,120	163	1,826	605
2007	25	42	1,050	170	1,785	326
2008	23	48	1,104	165	1,822	276
2009	21	40	840	199	1,672	319

¹ For producers with 5 or more colonies. Colonies which produced honey in more than one State were counted in each State. ² Prices weighed by sales.

³ Value of production based on final State marketing year average price. ⁴ Stocks held by producers.

Pennsylvania and Major States: Number of Colonies, Yield, Production, Value and Stocks, 2009 ¹

State	Honey Producing Colonies	Yield Per Colony	Production	Stocks Dec 15 ²	Value of Production ³
	(1,000)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 dollars)
CA	355	33	11,715	2,109	16,284
FL	150	68	10,200	1,428	14,076
GA	65	41	2,665	346	3,918
ID	103	46	4,738	1,706	6,870
MI	66	60	3,960	1,505	5,980
MN	122	65	7,930	1,427	11,102
MT	146	70	10,220	3,577	14,819
NE	48	56	2,688	1,102	3,871
NY	47	65	3,055	978	5,591
ND	450	77	34,650	7,623	47,471
OR	55	34	1,870	767	2,786
PA	21	40	840	319	1,672
SD	270	66	17,820	6,237	24,770
TX	74	63	4,662	886	6,434
WA	62	44	2,728	1,064	4,065
WI	63	60	3,780	1,588	5,708
Oth Sts ⁴	15	51	768	127	2,150
US	2,462	58.5	144,108	37,153	208,236

¹ For producers with 5 or more colonies. Colonies which produced honey in more than one State were counted in each State. ² Stocks held by producers.

³ Value of production based on final State marketing year average price. ⁴ Due to rounding, total colonies multiplied by total yield may not exactly equal production.

Mink, 2009

By Julie A. Donahoe

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

Pennsylvania's mink ranchers produced 57,300 pelts in 2009, compared with 63,900 pelts in 2008. Pennsylvania ranked 11th in the nation in 2008 mink pelt production.

The number of females bred to produce kits for 2010 is estimated to be 15,900, up 4 percent from the previous year.

Forty-one percent of the females bred to produce kits are of the black color class.

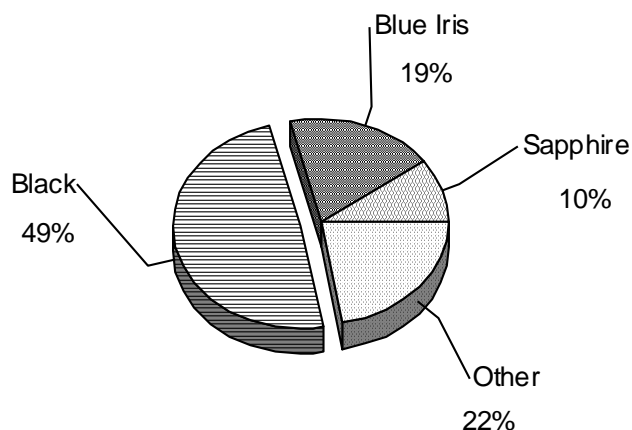
The U.S. average marketing price per pelt produced for the 2009 crop year was \$65.10, up 56 percent from the price of \$41.60 in 2008. Average prices for Pennsylvania are not available.

Pennsylvania: Mink Pelts Produced & Females Bred, By Color Class, 2007-2010

Color Class	Pelts Produced			Females Bred to Produce Kits		
	2007 (number)	2008 (number)	2009 (number)	2008 (number)	2009 (number)	2010 (number)
Black	27,000	29,000	28,000	6,500	6,000	6,500
Demi/Wild	1	1	1	1	1	1
Pastel	1	1	1	1	1	1
Sapphire	9,500	10,500	5,500	3,500	2,800	2,600
Blue Iris	12,000	11,500	11,000	3,300	2,900	3,700
Mahogany	1	500	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	9,000	2,400	1	-	-	-
Total	70,300	63,900	57,300	16,500	15,300	15,900

¹ Included in total to avoid disclosing individual operations.

Pennsylvania: Pelt Production, By Color Class, 2009



Pennsylvania: Mink Historical Perspective, 1970-2010

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
2004	9	14,900	55,900
2005	9	15,000	61,000
2006	10	15,200	65,000
2007	11	18,930	70,300
2008	11	16,500	63,900
2009	1	15,300	57,300
2010	1	15,900	-

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

Poultry Production Summary, 2009

By Adam W Pike

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 2009, was \$859 million, a 19 percent decrease from 2008. Of the combined total, 45.7 percent was from boiler production, 42.5 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, 2009 was 28.0 million. Hens and pullets of laying age numbered 23.3 million, 7 percent higher than the previous year. Pullets not of laying age totaled 4.6 million on December 1, a 18 percent increase from 2008. Other chickens numbered 111,000. The total value of chicken inventory on December 1, 2009, was \$72.9 million. Pennsylvania ranked 4th in the United States for all chicken inventory on December 1, 2009.

Pennsylvania laying flocks produced 6.51 billion eggs from December 1, 2008, through November 30, 2009, up 5 percent from the 6.19 billion produced the previous year. The total value of egg production, based on an average price received by producers during the year of 67.4 cents per dozen for all egg, was \$365.4 million, down 25 percent from the previous year. An average of 22.6 million hens in Commonwealth flocks laid an average of 288 eggs each during the year. Pennsylvania ranked 3rd in egg production in 2009.

Broiler production from December 1, 2008, through November 30, 2009, was valued at \$392.8 million, down 8 percent from the previous year. A total of 153.5 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 859.6 million pounds. The average price received per pound for live broilers was 45.7 cents. Pennsylvania ranked 14th in number of broilers produced in 2009.

Turkey producers raised 9.0 million poults during 2009, down 22 percent from 2008. Producers received an average of 55.0 cents per pound live weight for turkeys in 2009. Total value of turkey production during 2009 (based on turkeys placed Sep 1 2008, through Aug 31, 2009) was \$100.0 million, a 28 percent decrease from the previous year. Pennsylvania was ranked 8th in the number of turkeys raised in 2009.

Commercial hatcheries hatched nearly 164.7 million broiler-type chicks during 2009, down 8 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 2009.



Pennsylvania: Commercial Broilers and Roasters – Production and Value, 1970-2009 ^{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
2005	148,100	5.4	799,700	45.0	359,865
2006	153,500	5.4	828,900	37.0	306,693
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

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, 1970-2009 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
2005	6,608	38.9	214,188
2006	6,687	42.8	238,351
2007	6,392	73.1	389,119
2008	6,189	94.6	488,056
2009	6,509	67.4	365,430

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, 1970-2009

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
2005	10,500	19.7	206,850	49.0	101,357
2006	10,900	18.6	202,740	50.0	101,370
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

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, 1999-2009

Year	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Annual Avg or Total
Avg Number of Layers, 1,000													
1999	22,752	22,701	22,790	22,790	22,590	22,449	22,437	22,462	22,395	22,477	22,809	22,965	22,634
2000	22,720	22,739	23,250	23,530	23,116	22,552	22,491	23,061	23,578	23,908	24,292	24,353	23,298
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
Eggs Produced, Million													
1999	531	530	476	530	508	513	489	503	512	506	528	509	6,135
2000	516	509	489	542	516	518	497	529	547	529	560	557	6,309
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
Avg Price Received for Eggs, Cents Per Dozen													
1999	61.0	59.0	53.0	57.0	50.0	38.0	45.0	46.0	49.0	44.0	40.0	58.0	50.1
2000	51.0	49.0	59.0	44.0	54.0	38.0	47.0	40.0	50.0	45.0	57.0	65.0	50.0
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
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total ¹
Egg-type Chicks Hatched 1,000													
1999	5,002	5,591	6,110	6,527	5,088	5,954	4,918	4,612	5,329	6,490	4,205	4,757	64,583
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	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
2009 ²	-	-	-	-	-	-	-	-	-	-	-	-	-
Broiler-type Chicks Hatched, 1,000													
1999	13,125	11,618	13,525	12,782	13,100	12,790	13,306	12,634	12,357	11,944	11,383	12,795	151,359
2000	13,307	12,008	12,803	12,880	13,226	12,669	12,809	13,077	11,576	12,683	11,053	13,044	151,135
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

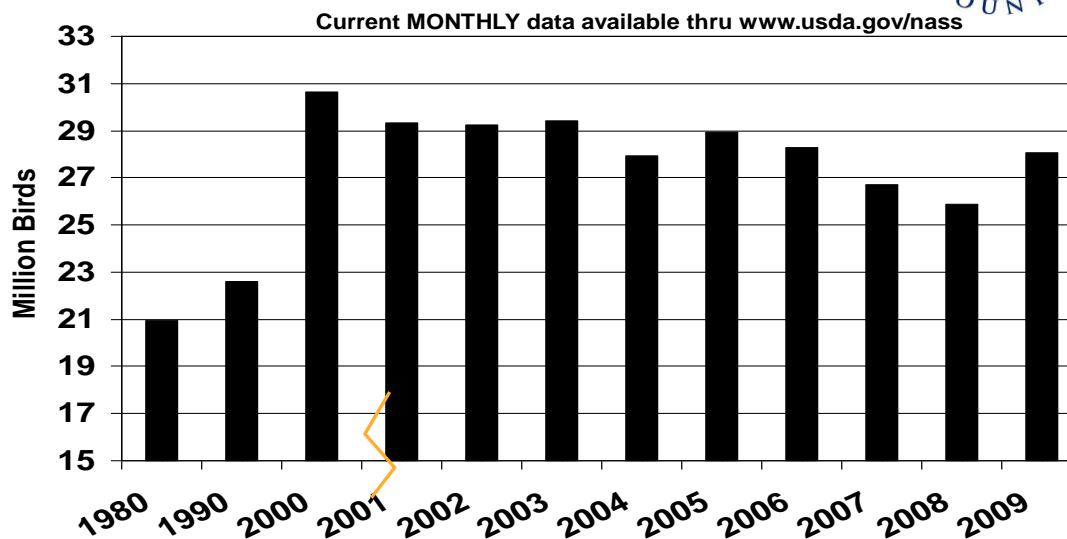
¹ Marketing year. ² As of 2009, egg-type hatchery data is no longer published on the state level. U.S. totals are only available now.

Pennsylvania: Chicken Inventory on Farms December 1, 1992-2009

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 dols.)
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	23,298	4,640	111	28,049	72,927

¹ Excludes commercial broilers.

PA Chicken Inventory on Dec. 1 (excluding meat chickens)



Apr 2010

National Ag Statistics Service-PA, USDA

Pennsylvania: Broiler-Type Eggs Set, Chicks Hatched and Placements By Weeks, 2007-2009

Year, week ending	Eggs set ¹	Chicks hatched	Broilers placed ²	Year, week ending	Eggs set ¹	Chicks hatched	Broilers placed ²
(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
<u>2007</u>				<u>2008</u>			
Nov-3	4,203	3,356	3,116	Nov-1	3,803	3,458	3,312
Nov-10	4,284	3,300	2,957	Nov-8	3,700	2,559	2,537
Nov-17	4,339	3,209	2,934	Nov-15	4,041	2,659	2,640
Nov-24	4,374	3,339	3,153	Nov-22	4,232	3,089	3,067
Dec-1	4,364	3,457	3,174	Nov-29	4,276	3,036	3,009
Dec-8	4,136	3,486	3,268	Dec-6	4,159	3,287	3,201
Dec-15	3,977	3,505	3,206	Dec-13	4,346	3,464	3,221
Dec-22	4,371	3,509	3,267	Dec-20	4,281	3,520	3,342
Dec-29	4,185	3,328	3,102	Dec-27	3,732	3,401	3,310
<u>2008</u>				<u>2009</u>			
Jan-5	4,404	3,269	3,030	Jan-3	3,742	3,564	3,380
Jan-12	4,345	3,486	3,206	Jan-10	3,849	3,436	3,270
Jan-19	4,405	3,382	3,183	Jan-17	4,036	3,051	3,033
Jan-26	4,223	3,507	3,184	Jan-24	3,859	3,053	2,966
Feb-2	4,261	3,512	3,258	Jan-31	3,939	3,182	3,033
Feb-9	4,295	3,573	3,289	Feb-7	3,810	3,326	3,058
Feb-16	4,395	3,441	3,235	Feb-14	3,565	3,205	3,095
Feb-23	3,998	3,524	3,344	Feb-21	4,190	3,241	3,123
Mar-1	4,179	3,503	3,238	Feb-28	4,168	3,143	3,115
Mar-8	4,130	3,562	3,317	Mar-7	4,148	2,906	2,801
Mar-15	4,457	3,242	3,076	Mar-14	4,057	3,429	3,251
Mar-22	4,294	3,385	3,240	Mar-21	3,804	3,399	3,268
Mar-29	4,306	3,420	3,157	Mar-28	3,604	3,395	3,193
Apr-5	4,354	3,615	3,343	Apr-4	3,919	3,318	3,232
Apr-12	4,318	3,524	3,352	Apr-11	3,931	3,113	2,987
Apr-19	4,400	3,490	3,277	Apr-18	3,952	2,946	2,879
Apr-26	4,193	3,586	3,254	Apr-25	4,061	3,197	3,179
May-3	4,231	3,487	3,247	May-2	3,805	3,201	3,109
May-10	4,232	3,575	3,355	May-9	4,182	3,191	3,113
May-17	4,405	3,480	3,260	May-16	3,667	3,285	3,095
May-24	4,442	3,470	3,271	May-23	3,877	3,114	3,039
May-31	4,592	3,447	3,198	May-30	3,584	3,406	3,151
Jun-7	4,474	3,582	3,289	Jun-6	3,623	2,994	2,983
Jun-14	4,539	3,620	3,418	Jun-13	3,787	3,189	3,087
Jun-21	4,550	3,732	3,382	Jun-20	3,745	2,935	2,769
Jun-28	4,525	3,585	3,384	Jun-27	3,858	2,959	2,934
Jul-5	4,316	3,639	3,385	Jul-4	3,667	3,106	3,076
Jul-12	4,384	3,651	3,445	Jul-11	3,971	2,995	2,903
Jul-19	4,511	3,698	3,415	Jul-18	4,208	3,160	3,138
Jul-26	4,492	3,482	3,226	Jul-25	3,954	2,996	2,917
Aug-2	4,339	3,510	3,328	Aug-1	3,962	3,248	3,217
Aug-9	4,028	3,645	3,390	Aug-8	3,884	3,458	3,433
Aug-16	4,002	3,705	3,414	Aug-15	3,680	3,237	3,318
Aug-23	3,850	3,518	3,207	Aug-22	3,709	3,250	3,214
Aug-30	4,396	3,259	3,134	Aug-29	4,039	3,179	3,064
Sep-6	4,082	3,282	3,087	Sep-5	4,020	3,009	2,990
Sep-13	4,058	3,134	3,102	Sep-12	3,890	3,019	2,988
Sep-20	3,569	3,583	3,297	Sep-19	3,626	3,317	3,292
Sep-27	3,959	3,338	3,265	Sep-26	3,681	3,303	3,179
Oct-4	4,034	3,331	3,454	Oct-3	4,023	3,187	3,161
Oct-11	4,210	2,924	2,907	Oct-10	4,003	2,976	2,958
Oct-18	3,085	3,194	3,092	Oct-17	3,385	3,002	2,981
Oct-25	3,265	3,257	3,119	Oct-24	3,496	3,308	3,194
				Oct-31	3,680	3,273	3,253
TOTAL ³	209,920	169,100	159,442	TOTAL ⁴	219,760	179,638	168,231

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 2008 includes weeks ending November 3, 2007 through October 25, 2008. ⁴ Production year 2009 includes weeks ending November 1, 2008 through October 31, 2009.

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, 2009

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 \$17.2 million in 2009. Commercial trout producers sold 1.61 million pounds of trout, valued at \$5.1 million during 2009, ranking fourth nationally behind Idaho, North Carolina, and California. Farmers also produced trout valued at \$12.1 million for conservation and recreational purposes.

Pennsylvania ranks first for the value of trout distributed for conservation and recreational purposes, barely ahead of California's \$12.0 million. Pennsylvania accounts for 12.0 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 120,000 fish 12 inches or longer, and 4.2 million 6-12" fish, compared to 5.5 million 6-12" fish a year ago.

Sales of food fish trout 12 inches or longer in Pennsylvania totaled 1.3 million pounds. Averaging \$2.87 per pound, compared to \$2.97 last year and \$1.40 nationally. The 12 inch and larger trout were valued at \$3.8 million.

Sales of food fish trout 6 to 12 inches long by Pennsylvania growers totaled 630,000 fish or 289,000 pounds live weight during 2009. This was up 87,000 lbs., from the same period a year ago. They were sold at an average of \$4.14 a pound,

which is down \$0.27/lb from last year. The national average price for 6 to 12 inch fish fell by \$0.10 to \$2.88. 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 450,000 fish or 5,000 pounds live weight during 2009. These fish were sold at an average of \$367 per thousand fish, compared to \$370 last year and \$214 nationally. Total sales of 1 to 6 inch trout were valued at \$165,000. Total losses of all Pennsylvania trout intended for sale were 784,000 fish during 2009 or 182,000 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 76.9 million dollars for 2009, a decrease of 4 percent from 2008. Idaho accounted for 47 percent of the total value of fish sold.

Pennsylvania and U.S.: Trout Sales and Value by Size, 2008-2009

Size category	Number of fish		Total pounds sold		Total value of sales		Average value	
	2008	2009	2008	2009	2008	2009	2008	2009
	(1,000)	(1,000)	(1,000)	(1,000)	(1,000 dollars)	(1,000 dollars)	(dollars)	(dollars)
Pennsylvania								
12" or longer	1,340	1,240	1,460	1,320	4,336	3,788	2.97/lb	2.87/lb
6" - 12"	540	630	202	289	891	1,196	4.41/lb	4.14/lb
1" - 6"	540	450	6	5	200	165	370/thou	367/thou
Total	2,420	2,320	1,668	1,614	5,427	5,149	-	-
United States								
12" or longer	40,401	41,117	52,410	49,092	72,432	68,648	1.38/lb	1.40/lb
6" - 12"	5,108	5,544	2,050	2,285	6,106	6,570	2.98/lb	2.88/lb
1" - 6"	9,025	7,926	183	203	1,433	1,695	159/thou	214/thou
Total	54,534	53,957	54,643	51,580	79,971	76,913	-	-

Pennsylvania: Trout Sales and Value, 1997-2007

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				
1997		3,226	2,264	5,972
1998		3,350	2,009	5,447
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		1,820	1,570	5,057

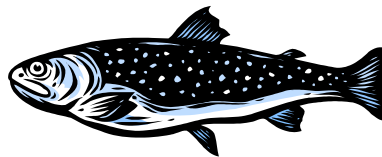
AQUACULTURE CENSUS: Pennsylvania producers of aquaculture products reported sales totaling \$10.06 million in a census of aquaculture conducted in January 2010.

Sales of food fish comprised 84 percent of the total aquaculture sales. The remainder of the sales made up of sport and game fish, baitfish, 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, 2007-2009¹

Class	Number of operations with sales ²			Value of sales ³			Percent change from 2008
	2007	2008	2009	2007	2008	2009	
	(number)	(number)	(number)	(dollars)	(dollars)	(dollars)	(number)
Trout	41	38	42	5,004,075	5,397,970	5,219,479	-3%
Non-trout Foodfish	16	15	17	3,028,008	3,342,770	3,230,036	-3%
Baitfish	14	13	18	669,334	642,648	662,264	3%
Ornamental and Aquarium fish	17	9	18	(D)	(D)	(D)	(D)
Sport/Game fish	11	13	12	176,956	181,504	186,769	3%
Mollusks	2	3	7	(D)	(D)	(D)	(D)
Crustaceans	4	6	3	(D)	(D)	(D)	(D)
Other Aquaculture (includes trout eggs)	7	8	13	24,850	12,112	18,598	54%
All Aquaculture	67	57	66	9,943,317	10,475,081	10,062,726	-4%

(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 2009 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.



Foodfish - 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 2010 by the National Agricultural Statistics Service, USDA.

Economics



Price and Income, 2009

By Tyler D. Heep

Some of the market year average prices in 2009 were higher than 2008, but most were lower overall. Market year average prices improved for corn, sheep, lambs, and wool. Market year averages declined for oats, barley, winter wheat, soybeans, potatoes, alfalfa hay, other hay, all hay, tobacco, apples, hogs, steers and heifers, cows, calves, milk cows, chickens, turkeys, milk, eggs. None of the commodities listed below had a marketing year average price that was unchanged from 2008.

Preliminary cash receipts for all commodities in 2009 were \$4.98 billion. Total cash income from crops was estimated at \$1.93 billion, down 9 percent from 2008.

Cash income received from livestock and livestock products, at \$3.05 billion, were down 22 percent from 2008. Net farm income in 2009 was \$905 million, down 32 percent from the previous year.

Pennsylvania: Prices Received By Farmers, Monthly, 2009

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.	4.04	4.36	4.32	4.11	4.61	4.38	3.88	3.94	3.90	3.75	3.69	3.77
Oats	Bu.	2.55	2.65	3.54	3.08	3.16	3.23	2.49	2.30	3.30	2.67	2.44	3.79
Alfalfa hay, baled	Ton	183.00	175.00	166.00	159.00	162.00	157.00	155.00	153.00	148.00	148.00	152.00	156.00
Other hay, baled	Ton	153.00	142.00	136.00	133.00	136.00	130.00	128.00	125.00	127.00	120.00	125.00	129.00
All hay, baled	Ton	159.00	151.00	145.00	136.00	140.00	135.00	134.00	129.00	133.00	128.00	134.00	135.00
Apples, fresh market	Lb.	0.267	0.328	0.300	0.298	-	-	-	-	0.427	0.331	0.312	0.278
Barrows and gilts	Cwt.	42.00	43.90	43.30	43.10	43.40	41.90	42.00	34.50	34.70	34.20	37.40	43.10
Steers and heifers	Cwt.	82.90	79.80	79.00	81.00	83.50	80.50	80.60	80.00	78.70	78.10	79.50	78.30
Cows, slaughter	Cwt.	45.10	47.50	45.20	48.00	50.50	47.40	47.50	46.00	44.00	42.80	40.30	40.90
Calves	Cwt.	99.00	97.00	100.00	103.00	105.00	105.00	106.00	107.00	107.00	101.00	100.00	98.00
Milk cows ¹	Cwt.	1,800.00			1,500.00			1,450.00			1,300.00		
Milk, wholesale	Cwt.	16.20	13.50	13.00	13.40	13.40	12.90	13.00	13.30	14.20	15.80	16.80	17.90
Eggs, market	Doz.	0.87	0.62	0.61	0.80	0.47	0.42	0.50	0.56	0.56	0.63	0.87	0.92

¹ Estimated quarterly.

Pennsylvania: Market Year Average Prices Received By Farmers, 2002-2009

Commodity	Unit	Marketing Year	2002	2003	2004	2005	2006	2007	2008	2009
			(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Corn ²	Bu.	Sep 1 - Aug 31	2.97	2.96	2.25	2.30	3.54	4.56	3.75	3.85
Oats	Bu.	Jul 1 - Jun 30	2.08	1.81	1.89	2.28	2.07	3.20	3.20	2.80
Barley	Bu.	Jun 1 - May 31	1.70	2.13	2.20	1.87	1.77	2.90	4.60	2.80
Winter wheat	Bu.	Jul 1 - Jun 30	3.40	3.31	3.40	3.50	3.52	6.60	6.05	4.10
Soybeans	Bu.	Sep 1 - Aug 31	5.90	7.33	5.43	5.60	6.25	10.70	10.20	9.35
Potatoes	Cwt.	Aug 1 - May 31	9.15	7.05	7.45	11.40	10.50	10.10	13.30	12.70
Alfalfa hay, dry baled	Ton	May 1 - Apr 30	151.00	156.00	143.00	153.00	161.00	191.00	198.00	153.00
Other hay, dry baled	Ton	May 1 - Apr 30	122.00	123.00	112.00	125.00	131.00	172.00	162.00	124.00
All hay, dry baled	Ton	May 1 - Apr 30	134.00	137.00	122.00	134.00	136.00	175.00	173.00	131.00
Sorghum ¹	Cwt.	Sep 1 - Aug 31	4.79	4.64	4.16	4.75	5.86	6.60	5.35	---
Tobacco, all	Lb.	Oct 1 - Sep 30	1.379	1.367	1.352	1.399	1.616	1.650	1.735	1.686
Apples, all	Lb.	Jul 1 - Jun 30	0.101	0.103	0.101	0.100	0.128	0.142	0.180	0.139
Apples, fresh market	Lb.	Jul 1 - Jun 30	0.215	0.213	0.172	0.185	0.257	0.294	0.277	0.265
Hogs, all	Cwt.	Dec 1 - Nov 30	30.30	35.50	46.70	47.30	41.90	40.90	41.50	40.00
Steers and heifers	Cwt.	Jan 1 - Dec 31	65.20	79.70	81.90	84.20	83.20	87.90	87.00	80.20
Cows, slaughter	Cwt.	Jan 1 - Dec 31	38.80	42.10	49.20	51.00	47.10	48.40	52.70	45.40
Calves	Cwt.	Jan 1 - Dec 31	112.00	116.00	111.00	132.00	133.00	116.00	112.00	102.00
Sheep	Cwt.	Jan 1 - Dec 31	30.00	39.10	43.50	51.40	45.20	43.00	44.00	45.90
Lambs	Cwt.	Jan 1 - Dec 31	90.00	107.00	115.00	116.00	109.00	116.00	117.00	118.00
Milk cows	Hd.	Jan 1 - Dec 31	1,590.00	1,350.00	1,550.00	1,730.00	1,750.00	1,900.00	2,030.00	1,510.00
Farm chickens	Lb.	Dec 1 - Nov 30	0.010	0.010	0.009	0.010	0.011	0.011	0.014	0.013
Broilers and roasters ²	Lb.	Dec 1 - Nov 30	0.320	0.36	0.46	0.45	0.37	0.45	0.47	----
Turkeys	Lb.	Jan 1 - Dec 31	0.390	0.47	0.48	0.49	0.54	0.52	0.64	0.55
Milk, wholesale	Cwt.	Jan 1 - Dec 31	13.80	14.00	17.60	16.90	14.60	20.90	20.00	14.40
Eggs, market	Doz.	Dec 1 - Nov 30	0.514	0.628	0.585	0.345	0.378	0.694	0.917	0.674
Wool	Lb.	Jan 1 - Dec 31	0.25	0.27	0.27	0.27	0.30	0.31	0.31	0.33

¹ Preliminary market year average price. Final State market year average price will be published November 30, 2010. ² No longer published as of 2008.

Prices Paid By Farmers for Feed, 2008-2010

Item	Unit	Northeast region			United States		
		April 2008	March 2009	March 2010	April 2008	March 2009	March 2010
		(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Alfalfa Meal	Cwt	24.30	27.20	27.60	21.10	23.90	23.80
Alfalfa Pellets	Cwt	25.30	28.90	29.00	21.30	24.10	23.20
Bran	Cwt	19.30	22.70	20.70	19.10	23.20	22.70
Beef Cattle Conc. 32-36% Protein	Ton	451	455	378	433	488	413
Corn Meal	Cwt	15.70	15.30	13.00	13.70	13.40	12.80
Cottonseed Meal, 41%	Cwt	20.00	25.90	24.30	23.00	25.60	25.40
Dairy Feed							
16% Protein ¹	Ton	300	258	242	313	293	274
18% Protein ¹	Ton	312	285	272	324	297	284
20% Protein ¹	Ton	326	295	273	320	295	274
32-38% Protein Conc.	Ton	405	412	377	469	458	419
Hog Feed							
14-18% Protein ^{1 2}	Ton	376	352	284	345	328	303
38-42% Protein Conc.	Ton	566	515	482	490	493	446
Molasses, Liquid	Cwt	18.70	22.90	15.50	17.50	22.20	21.30
Poultry Feed ¹							
Broiler Grower	Ton	505	514	442	387	464	456
Chick Starter	Ton	512	521	483	416	501	485
Laying Feed	Ton	332	430	368	371	391	374
Turkey Grower	Ton	490	507	496	434	466	434
Soybean Meal, 44%	Cwt	26.90	25.20	23.80	23.40	23.20	23.80
Soybean Meal, over 44%	Cwt	24.70	24.20	21.30	22.40	22.00	21.20
Stock Salt	50 Lb	6.86	7.60	6.95	5.45	5.93	5.92
Trace Mineral Blocks	50 Lb	7.90	8.35	8.97	6.60	7.09	8.02

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

Prices Paid By Farmers for Fuels, 2008-2010

Item	Northeast region			United States		
	April 2008	April 2009	April 2010	April 2008	April 2009	April 2010
	(dollars per gallon)	(dollars per gallon)	(dollars per	(dollars per gallon)	(dollars per gallon)	(dollars per gallon)
Fuels, bulk delivery						
Service Station	3.272	2.009	2.831	3.277	1.941	2.787
Unleaded Gasoline ¹	3.282	2.003	2.849	3.331	1.972	2.818
Diesel Fuel ^{2 3}	3.773	1.952	2.690	3.619	1.688	2.540
L.P. Gas ²	2.621	2.190	2.783	2.281	1.737	2.014

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, 2008-2010

Item	Northeast region ¹			United States		
	April 2008	March 2009	March 2010	April 2008	March 2009	March 2010
	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)
0-20-20	506	570	²	573	683	²
5-10-10	410	386	²	386	424	²
6-24-24	673	634	501	691	737	565
10-6-4	404	380	²	404	380	²
10-10-10	468	432	408	449	483	408
10-20-10	623	511	²	616	536	²
10-20-20	644	612	508	632	632	516
10-34-0	615	1000	457	650	787	422
11-52-0	988	539	563	902	645	535
15-15-15	581	572	²	588	602	²
18-46-0 (DAP)	987	539	565	850	638	508
19-19-19	707	644	552	693	665	520
Ammonium Nitrate	570	609	409	509	438	398
Limestone, Spread	38.40	35.60	40.10	25.60	27.40	27.50
Nitrogen Solution 30%	439	359	356	401	320	283
Superphosphate 44-46%	931	733	657	800	639	507
Urea 44-46%	598	494	520	552	486	448

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

Farm Production Expenditures, 2009

By Julie A. Donahoe

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

U.S. Farm Production Expenditures totaled \$287.4 billion in 2009 down from \$307.0 billion in 2008. This is the first major decline of farm expenditures since 1986. The 2009 Total Farm Expenditures fell 6.4 percent compared to the 2008 rise of 8.3 percent. Total Expenditures for 2008 remain unchanged from a year ago. Two expense items showing increases from the previous year were: Rent, up 0.9 percent, and Seed and Plants, up 2.6 percent.

Major factors that impacted expenditures this year were general economic conditions and the price of crude oil. The sharp decline in petroleum prices was a major factor affecting Total Expenditures. Fuels, down 22.5 percent over previous year, had the largest decrease of any capital or non-capital expense. The decreasing cost of crude oil also contributed to the drop of Fertilizer and Agricultural Chemicals in 2009.

In 2009, the U.S. Total Farm Expenditure average per farm was \$131,137 compared with \$140,075 in 2008, a decrease of 6.4 percent. On average, U.S. farm operations spent: \$20,533 on Feed, \$16,609 on Farm Services, \$13,141 on Labor, \$11,818 on Livestock and Poultry

Purchases, \$9,171 on Fertilizer, Lime, and Soil Conditioners, and \$10,312 on Rent. For 2008, U.S. farms spent an average of: \$21,398 on Feed, \$17,337 on Farm Services, \$12,912 on Livestock and Poultry Purchases, \$13,550 on Labor, and \$10,220 on Rent.

Total Expenditures by Region were down for all five regions in 2009. The Atlantic had the largest decrease at 8.7 percent, followed by the Plains down 8.4 percent. Total Expenditures for the South decreased 7.8 percent; the West decreased 6.1 percent; and the Midwest decreased only 3.5 percent.

The Atlantic Region (CT, DE, KY, ME, MD, MA, NH, NJ, NY, NC, PA, RI, TN, VA, VT, WV) contributed \$35.5 billion or 12 percent of the 2009 U.S. total for farm production expenditures. The total expenditures for the five regions were: the Midwest (IL, IN, IA, MI, MN, MO, OH, WI) at \$88.2 billion; Plains (KS, NE, ND, OK, SD, TX) at \$68.0 billion; West (AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY) at \$64.6 billion; Atlantic at \$35.5 billion; and South (AL, AR, FL, GA, LA, MS, SC) at \$31.1 billion.

Farm Production Expenditures: Major Input Items, Average per Farm, Total, Atlantic Region¹³ & U.S.¹, 2008-2009

Expenditure - Farm Share	Farms Reporting ¹¹		Average per Farm ¹²		Total Expenditures	
	2008 (percent)	2009 (percent)	2008 (dollars)	2009 (dollars)	2008 (million dollars)	2009 (million dollars)
Atlantic ¹³						
Total Farm Production Expenditures ²	100.0	100.0	87,288	79,753	38,880	35,510
Livestock, Poultry & Related Expenses ³	25.5	24.9	6,870	6,828	3,060	3,040
Feed	64.5	62.7	18,522	15,789	8,250	7,030
Farm Services ⁴	95.9	94.5	10,776	10,062	4,800	4,480
Rent ⁵	19.6	22.7	2,514	2,471	1,120	1,100
Agricultural Chemicals ⁶	39.3	40.4	2,178	2,426	970	1,080
Fertilizer, Lime & Soil Conditioners ⁶	57.3	51.2	4,692	3,998	2,090	1,780
Interest	31.9	30.7	3,345	2,875	1,490	1,280
Taxes (Real Estate & Property)	100.0	99.9	3,974	3,481	1,770	1,550
Labor	26.8	27.1	9,227	8,827	4,110	3,930
Fuels	91.3	86.7	4,445	3,549	1,980	1,580
Farm Supplies & Repairs ⁷	89.7	86.6	4,894	5,143	2,180	2,290
Farm Improvements & Construction ⁸	56.5	52.6	5,882	5,705	2,620	2,540
Tractors & Self-Propelled Farm Machinery	17.7	15.6	3,031	2,471	1,350	1,100
Other Farm Machinery	23.4	17.2	1,751	1,235	780	550
Seeds & Plants ⁹	44.6	40.1	3,817	3,593	1,700	1,600
Trucks & Autos	16.5	15.4	1,302	1,235	580	550
Miscellaneous Capital Expenses ¹⁰	6.5	6.2	67	67	30	30
United States ¹						
Total Farm Production Expenditures ²	100.0	100.0	140,075	131,137	307,020	287,400
Livestock, Poultry & Related Expenses ³	25.9	25.1	12,912	11,818	28,300	25,900
Feed	59.4	56.9	21,398	20,533	46,900	45,000
Farm Services ⁴	93.3	92.8	17,337	16,609	38,000	36,400
Rent ⁵	28.2	29.3	10,220	10,312	22,400	22,600
Agricultural Chemicals ⁶	45.7	44.8	5,338	5,247	11,700	11,500
Fertilizer, Lime & Soil Conditioners ⁶	51.0	47.8	10,265	9,171	22,500	20,100
Interest	38.1	36.2	5,475	5,019	12,000	11,000
Taxes (Real Estate & Property)	99.7	99.6	4,882	4,745	10,700	10,400
Labor	30.8	28.8	13,550	13,141	29,700	28,800
Fuels	85.1	82.5	7,300	5,658	16,000	12,400
Farm Supplies & Repairs ⁷	82.7	81.0	7,254	7,072	15,900	15,500
Farm Improvements & Construction ⁸	55.7	53.9	7,209	6,434	15,800	14,100
Tractors & Self-Propelled Farm Machinery	22.9	21.2	5,201	4,243	11,400	9,300
Other Farm Machinery	25.4	22.7	2,692	2,145	5,900	4,700
Seeds & Plants ⁹	41.1	38.2	6,889	7,072	15,100	15,500
Trucks & Autos	23.0	21.2	2,053	1,825	4,500	4,000
Miscellaneous Capital Expenses ¹⁰	13.1	13.3	100	91	220	200

See footnotes on next page.

Footnotes from previous table:

- ¹ Excludes AK and HI.
 - ² Includes landlord and contractor share of farm production expenses. Totals may not add due to rounding.
 - ³ Includes purchases and leasing of livestock and poultry.
 - ⁴ Includes all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, general and miscellaneous business expenses, and utilities.
 - ⁵ Includes public and private grazing fees.
 - ⁶ Includes material and application costs.
 - ⁷ Includes bedding and litter, marketing containers, power farm shop equipment, oils and lubricants, miscellaneous non-capital equipment and supplies, repairs and maintenance of livestock and poultry equipment, and capital equipment for livestock and poultry.
 - 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, and includes seed treatment.
 - ¹⁰ A zero in this line-item denotes less than 5 million dollars. Average value derived from expenditure rounding to zero will also be zero. Miscellaneous Capital Miscellaneous Capital Expense was estimated for the first time in 2006.
 - ¹¹ Number of farms reporting item divided by total number of farms.
 - ¹² Total expenditures divided by total number of farms. Items may not sum to total due to rounding.
 - ¹³ Atlantic Region consists of CT, DE, KY, ME, MD, MA, NH, NJ, NY, NC, **PA**, RI, TN, VA, VT, WV.
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Pennsylvania: Farm Income Indicators, 2004-2009

Item ¹	2004	2005	2006	2007	2008	2009
	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)
Value of crop production	1,743,658	1,553,544	1,752,696	1,852,246	2,074,368	1,961,055
Food grains	22,241	21,994	32,908	49,762	85,213	53,059
Feed crops	453,356	321,425	454,515	561,567	666,094	554,648
Cotton	-	-	-	-	-	-
Oil crops	107,932	90,214	90,975	134,180	177,357	174,173
Tobacco	9,466	10,936	14,969	26,309	26,183	23,977
Fruits and tree nuts	101,984	107,474	122,596	134,868	166,109	162,469
Vegetables	144,588	150,045	169,816	147,870	170,225	142,890
All other crops	889,924	880,449	782,889	819,014	831,643	821,342
Home consumption	4,663	3,839	4,177	3,025	3,946	4,469
Value of inventory adjustment ²	9,504	-32,832	79,851	-24,349	-52,402	24,028
Value of livestock production	3,288,464	3,213,983	2,998,493	3,886,431	3,901,774	3,094,970
Meat animals	713,070	719,328	691,825	678,319	673,148	589,535
Dairy products	1,759,824	1,763,853	1,560,594	2,219,162	2,102,200	1,509,840
Poultry and eggs	781,468	701,439	675,877	911,034	1,093,141	895,638
Miscellaneous livestock	50,155	50,975	53,590	55,936	54,356	52,018
Home consumption	8,116	7,891	8,060	7,872	8,941	8,212
Value of inventory adjustment ²	-24,169	-29,503	8,547	14,108	-30,012	39,727
Revenues from services and forestry	788,709	810,406	823,749	881,712	893,132	924,290
Machine hire and customwork	67,877	60,528	45,282	47,330	41,244	77,842
Forest products sold	24,705	24,705	24,705	19,625	19,625	19,625
Other farm income	212,617	184,126	195,050	245,036	259,595	258,772
Gross imputed rental value of farm dwelling	483,510	541,047	558,712	569,721	572,668	568,051
Value of agricultural sector production	5,820,832	5,577,933	5,574,938	6,620,389	6,869,274	5,980,315
Less: Purchased inputs	2,747,643	2,507,189	2,782,530	3,402,689	3,713,041	3,344,786
Farm origin	1,168,877	983,298	1,102,128	1,341,334	1,577,020	1,408,618
Feed purchased	854,411	668,989	729,228	915,808	1,152,095	1,011,102
Livestock and poultry purchased	140,521	153,894	203,917	209,509	189,745	169,304
Seed purchased	173,945	160,415	168,983	216,017	235,180	228,212
Manufactured inputs	492,896	525,482	578,008	695,432	765,068	677,586
Fertilizers and lime	138,438	151,306	165,775	189,403	243,883	198,452
Pesticides	96,137	93,426	98,598	120,395	113,798	128,641
Petroleum fuel and oils	166,367	189,526	218,217	269,481	293,190	235,611
Electricity	91,954	91,224	95,418	116,153	114,197	114,882
Other purchased inputs	1,085,870	998,409	1,102,394	1,365,923	1,370,953	1,258,582
Repair and maintenance of capital items	276,833	257,107	318,280	350,079	332,602	309,476
Machine hire and customwork	56,706	46,121	54,432	52,862	52,201	66,848
Marketing, storage, and transportation ex.	182,574	149,011	144,354	192,366	174,437	176,757
Contract labor	43,627	46,110	44,958	61,003	42,628	51,693
Miscellaneous expenses	526,130	500,060	540,370	709,613	769,085	653,808
Plus: Net government transactions	-129,287	-127,697	-164,133	-278,073	-294,512	-176,611
+ Direct Government payments	91,433	140,242	134,491	77,168	87,359	161,356
- Motor vehicle registration and licensing fee	9,142	12,492	10,644	16,614	10,875	11,789
- Property taxes	211,578	255,447	287,980	338,627	370,996	326,178
Gross value added	2,943,902	2,943,048	2,628,275	2,939,627	2,861,721	2,458,918
Less: Capital consumption	664,666	722,567	765,264	796,131	843,644	884,794
Net value added	2,279,236	2,220,481	1,863,011	2,143,496	2,018,077	1,574,124
Less: Payments to stakeholders	568,304	514,935	613,063	746,527	690,596	669,058
Employee compensation (total hired labor)	514,572	443,895	522,249	631,868	603,476	568,542
Net rent received by nonoperator landlords	-121,290	-134,295	-142,717	-129,767	-163,257	-146,246
Real estate and nonreal estate interest	175,022	205,335	233,531	244,426	250,377	246,762
Net farm income	1,710,932	1,705,546	1,249,948	1,396,969	1,327,481	905,066

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, 1940-2009

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
1999	1,279.6	2,892.7	4,172.3	95.7	4,268.0
2000	1,366.5	2,764.6	4,131.1	147.9	4,279.0
2001	1,368.6	3,149.0	4,517.6	103.5	4,621.1
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
2009²	1,932.6	3,047.0	4,979.6	161.4	5,141.0

¹ May not add due to rounding. ² Preliminary.

Pennsylvania: Leading Commodities for Cash Receipts to Farmers, 2009

Items	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	4,979,589	100.0	--	1.8	22	283,406,168
LIVESTOCK AND PRODUCTS	3,047,031	61.2	--	2.5	15	119,751,629
CROPS	1,932,558	38.8	--	1.2	23	163,654,539
DAIRY PRODUCTS	1,509,840	30.3	30.3	6.2	4	24,342,440
MUSHROOMS, AGARICUS	462,161	9.3	39.6	--	1	--
CATTLE AND CALVES	413,672	8.3	47.9	0.9	23	43,776,568
CORN	397,296	8.0	55.9	0.9	16	42,035,337
BROILERS	392,837	7.9	63.8	1.8	14	21,812,789
CHICKEN EGGS	365,430	7.3	71.1	5.9	4	6,155,825
GREENHOUSE/NURSERY	314,756	6.3	77.4	2.0	14	15,914,592
SOYBEANS	174,173	3.5	80.9	0.6	20	30,056,466
HOGS	170,086	3.4	84.3	1.2	13	14,395,118
HAY	124,488	2.5	86.8	2.2	16	5,726,526
TURKEYS	99,990	2.0	88.8	2.8	11	3,573,285
APPLES	81,849	1.6	90.4	4.1	4	1,986,422
WHEAT	51,448	1.0	91.4	0.5	31	11,315,147
PEACHES	28,967	0.6	92.0	4.9	na	594,248
TOBACCO	23,977	0.5	92.5	1.6	7	1,485,238
POTATOES	22,454	0.5	93.0	0.7	18	3,396,378
TOMATOES	21,415	0.4	93.4	0.8	12	2,541,986
GRAPES	18,563	0.4	93.8	0.5	6	3,689,412
STRAWBERRIES	13,520	0.3	94.1	0.6	5	2,124,195
BARLEY	11,995	0.2	94.3	1.2	na	1,007,767
OATS	8,690	0.2	94.5	7.7	na	112,327
BEANS, SNAP	7,070	0.1	94.6	1.7	na	416,028
SHEEP AND LAMBS	5,777	0.1	94.7	1.4	na	426,829
CORN, SWEET	1/	--	--	--	--	--
AQUACULTURE	1/	--	--	--	--	--
Government payments	161,356	--	--	1.3	27	12,262,587
Net farm income	905,066	--	--	1.5	23	62,187,066

na = not available

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 operations.

Pennsylvania: Cash Receipts from Sale of Agricultural Products from Farms by Commodities, 2004-2009 ¹

Commodity	2004	2005	2006	2007	2008	2009
	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)	(1,000 dols.)
All commodities	5,034,008	4,818,132	4,650,554	5,738,021	6,045,669	4,979,589
Livestock and products	3,304,517	3,235,595	2,981,886	3,864,451	3,922,845	3,047,031
Meat animals	713,070	719,328	691,825	678,319	673,148	589,535
Cattle and calves	465,743	472,382	466,354	462,283	493,627	413,672
Hogs	241,038	240,291	218,511	210,335	173,726	170,086
Sheep and lambs	6,289	6,655	6,960	5,701	5,795	5,777
Dairy products	1,759,824	1,763,853	1,560,594	2,219,162	2,102,200	1,509,840
Poultry/eggs	781,468	701,439	675,877	911,034	1,093,141	895,638
Broilers	325,496	359,865	306,693	381,015	429,272	392,837
Farm chickens	476	579	608	568	645	616
Chicken eggs	339,744	214,188	238,351	389,119	488,056	365,430
Turkeys	93,702	101,357	101,370	103,532	138,368	99,990
Other poultry	22,050	25,450	28,855	36,800	36,800	36,765
Miscellaneous livestock	50,155	50,975	53,590	55,936	54,356	52,018
Honey	2,300	1,756	1,826	1,785	1,822	1,672
Wool	119	124	120	133	124	116
Aquaculture	10,923	8,937	NA	NA	NA	NA
Trout	4,223	4,807	4,790	5,212	5,427	5,149
Other aquaculture	6,700	4,130	3,275	4,132	895	955
Other livestock	36,813	40,158	43,550	44,624	46,049	44,088
Mink pelts	1,788	2,633	3,715	3,194	4,619	2,658
All other livestock	35,025	37,525	39,835	41,430	41,430	41,430
Crops	1,729,491	1,582,583	1,668,668	1,873,570	2,122,824	1,932,558
Food grains	22,241	21,994	32,908	49,762	85,213	53,059
Wheat	21,862	21,503	32,180	48,441	82,536	51,448
Feed crops	453,356	321,425	454,515	561,567	666,094	554,648
Barley	6,345	3,908	5,393	7,875	13,467	11,995
Corn	265,479	169,126	255,390	380,534	466,912	397,296
Hay	176,728	141,675	182,253	158,085	161,632	124,488
Oats	3,841	6,057	10,698	5,728	11,409	8,690
Sorghum grain	963	658	781	862	495	NA
Corn silage	NA	NA	NA	8,483	12,180	12,180
Tobacco	9,466	10,936	14,969	26,309	26,183	23,977
Oil crops	107,932	90,214	90,975	134,180	177,357	174,173
Soybeans	107,700	90,141	90,975	134,180	177,357	174,173
Vegetables	144,588	150,045	169,816	147,870	170,225	142,890
Potatoes, fall	20,232	23,003	31,932	18,697	34,220	22,454
Beans, snap, processing	10,158	6,067	6,730	7,941	10,099	7,070
Cabbage, fresh	3,249	3,713	5,520	4,601	4,234	4,990
Corn, sweet	25,240	28,440	NA	NA	NA	NA
Fresh	24,487	27,812	36,608	30,122	43,790	35,538
Processing	753	628	NA	NA	NA	NA
Tomatoes, fresh	25,364	26,163	21,896	26,208	20,099	21,415
Misc. vegetables	57,933	58,955	62,572	54,775	52,369	45,100
Misc. vegetables	42,855	42,805	41,855	32,405	32,405	32,405
Pumpkins	15,078	16,150	20,717	22,370	19,964	12,695
Cantaloups	2,412	3,704	3,943	4,824	3,390	4,284
Fruits/nuts	101,984	107,474	122,596	134,868	166,109	162,469
Apples	41,539	44,159	55,971	65,404	83,015	81,849
Fresh	19,204	21,184	29,702	38,800	53,675	NA
Processing	22,335	22,975	26,270	26,604	29,340	NA
Cherries	2,103	819	1,474	1,392	1,658	974
Sweet	1,043	NA	NA	NA	NA	NA
Tart	1,060	819	1,474	1,392	1,658	974
Grapes	18,460	19,221	20,280	22,362	27,874	18,563
Peaches	16,114	19,011	19,454	17,524	21,528	28,967
Pears, Bartlett	2,482	1,254	2,706	2,869	1,786	4,066
Strawberries, spring	12,956	12,810	11,356	10,472	15,403	13,520
Other berries	6,865	7,690	8,845	11,145	11,145	11,145
Misc. fruits & nuts	1,465	2,510	2,510	3,700	3,700	3,385
All other crops	889,924	880,449	782,889	819,014	831,643	821,342
Maple products	1,740	1,922	2,145	1,738	3,830	3,505
Other seeds	435	1,985	2,585	3,195	3,195	3,195
Other field crops	36,320	34,890	35,375	7,255	7,255	7,588
Greenhouse/nursery	442,660	431,203	312,675	335,653	332,393	314,756
Floriculture	185,715	174,313	171,121	176,178	172,918	155,281
Christmas trees	28,000	28,000	10,710	18,405	18,405	18,405
Other greenhouse and nursery	228,945	228,890	130,844	141,070	141,070	141,070
Mushrooms, agaricus	385,673	385,891	407,417	446,476	456,581	462,161

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. **Source: USDA, Economic Research Service.**

Pennsylvania: Cash Receipts from the Sale of Agricultural Crops, 2009

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	25,196	1,739	68,901	7,121	102,957
Allegheny	890	3,355	349	14,516	19,110
Armstrong	7,674	681	403	27,354	36,112
Beaver	3,332	1,019	535	3,925	8,811
Bedford	12,520	566	4,067	236	17,389
Berks	36,145	2,906	5,360	125,911	170,322
Blair	13,003	1,259	257	1,691	16,210
Bradford	15,253	535	617	1,314	17,719
Bucks	10,599	3,074	1,784	21,488	36,945
Butler	11,117	3,569	516	9,334	24,536
Cambria	7,883	6,143	217	3,083	17,326
Cameron	139	23	32	-	194
Carbon	1,487	1,079	114	1,105	3,785
Centre	14,760	2,261	984	1,093	19,098
Chester	29,800	3,681	1,787	402,434	437,702
Clarion	6,022	2,987	190	921	10,120
Clearfield	2,337	93	125	1,914	4,469
Clinton	5,515	527	8	321	6,371
Columbia	14,719	5,298	5	9,023	29,045
Crawford	18,621	908	570	964	21,063
Cumberland	25,737	2,736	2,333	5,475	36,281
Dauphin	14,829	1,298	1,052	3,153	20,332
Delaware	613	143	68	15,864	16,688
Elk	641	207	84	-	932
Erie	15,576	8,040	19,862	12,810	56,288
Fayette	5,831	1,328	311	3,814	11,284
Forest	401	7	-	-	408
Franklin	32,444	5,562	12,959	2,416	53,381
Fulton	5,607	68	30	66	5,771
Greene	1,934	253	278	1,280	3,745
Huntingdon	9,672	1,255	962	37	11,926
Indiana	14,019	4,521	547	13,064	32,151
Jefferson	4,385	298	118	1,144	5,945
Juniata	10,043	600	474	652	11,769
Lackawanna	837	4,612	476	859	6,784
Lancaster	92,580	17,830	4,304	36,837	151,551
Lawrence	9,943	510	269	2,663	13,385
Lebanon	34,893	2,309	912	6,735	44,849
Lehigh	17,106	4,025	5,175	6,393	32,699
Luzerne	3,676	3,903	1,180	3,352	12,111
Lycoming	13,464	1,271	2,937	6,910	24,582
McKean	998	91	12	400	1,501
Mercer	20,783	1,551	233	10,217	32,784
Mifflin	10,070	491	1,344	602	12,507
Monroe	2,383	743	660	715	4,501
Montgomery	5,532	1,590	865	16,267	24,254
Montour	5,043	274	495	1,843	7,655
Northampton	18,966	1,440	1,086	2,925	24,417
Northumberland	21,221	2,915	1,282	2,514	27,932
Perry	13,135	1,007	330	357	14,829
Philadelphia	82	84	-	-	166
Pike	692	66	-	1,141	1,899
Potter	4,032	4,693	55	-	8,780
Schuylkill	11,166	10,836	2,113	1,314	25,429
Snyder	10,177	3,333	2,089	568	16,167
Somerset	12,037	1,170	184	2,225	15,616
Sullivan	1,610	37	11	-	1,658
Susquehanna	4,427	258	534	190	5,409
Tioga	5,978	282	31	248	6,539
Union	9,356	679	506	309	10,850
Venango	3,740	304	27	328	4,399
Warren	2,881	480	158	302	3,821
Washington	6,208	1,651	732	3,596	12,187
Wayne	2,570	216	73	668	3,527
Westmoreland	10,912	1,867	581	6,623	19,983
Wyoming	2,771	817	476	768	4,832
York	67,844	3,536	7,440	9,951	88,771
Northwestern	62,002	11,290	20,850	24,621	118,763
North Central	47,630	7,666	3,787	9,193	68,276
Northeastern	10,605	5,903	1,559	2,484	20,551
West Central	56,492	13,585	2,578	58,405	131,060
Central	156,248	26,906	10,122	26,839	220,115
East Central	55,476	22,092	10,328	16,945	104,841
Southwestern	37,812	9,624	2,435	32,054	81,925
South Central	169,348	14,207	95,730	25,265	304,550
Southeastern	210,244	31,617	15,080	625,536	882,477
Pennsylvania	805,857	142,890	162,469	821,342	1,932,558

Pennsylvania: Cash Receipts from the Sale of Livestock, Livestock Products, and Total Cash Receipts, 2009

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	80,523	22,180	102,703	4,252	209,912
Allegheny	1,246	229	1,475	67	20,652
Armstrong	4,999	8,314	13,313	1,099	50,524
Beaver	3,601	5,094	8,695	515	18,021
Bedford	15,644	41,112	56,756	4,373	78,518
Berks	84,676	59,529	144,205	7,541	322,068
Blair	10,419	46,221	56,640	2,723	75,573
Bradford	22,012	66,183	88,195	12,311	118,225
Bucks	4,511	5,781	10,292	1,899	49,136
Butler	5,854	9,530	15,384	1,435	41,355
Cambria	3,380	5,724	9,104	1,210	27,640
Cameron	171	229	400	53	647
Carbon	403	501	904	223	4,912
Centre	10,115	29,765	39,880	2,052	61,030
Chester	24,507	58,413	82,920	5,077	525,699
Clarion	4,656	7,584	12,240	646	23,006
Clearfield	1,995	3,935	5,930	607	11,006
Clinton	6,296	12,335	18,631	1,203	26,205
Columbia	10,247	8,944	19,191	2,768	51,004
Crawford	25,769	37,206	62,975	5,514	89,552
Cumberland	27,327	49,856	77,183	4,590	118,054
Dauphin	33,002	16,571	49,573	1,080	70,985
Delaware	196	-	196	-	16,884
Elk	982	944	1,926	140	2,998
Erie	5,211	13,838	19,049	2,737	78,074
Fayette	6,259	8,300	14,559	772	26,615
Forest	332	501	833	113	1,354
Franklin	84,776	122,951	207,727	5,926	267,034
Fulton	11,185	12,893	24,078	1,805	31,654
Greene	5,074	1,846	6,920	423	11,088
Huntingdon	16,042	32,126	48,168	3,541	63,635
Indiana	9,143	18,603	27,746	1,150	61,047
Jefferson	2,994	5,724	8,718	1,280	15,943
Juniata	55,411	20,749	76,160	2,771	90,700
Lackawanna	2,002	3,563	5,565	474	12,823
Lancaster	399,030	289,120	688,150	12,318	852,019
Lawrence	5,615	13,122	18,737	1,327	33,449
Lebanon	104,571	75,757	180,328	4,415	229,592
Lehigh	2,849	3,148	5,997	1,632	40,328
Luzerne	2,491	2,962	5,453	1,586	19,150
Lycoming	12,018	14,510	26,528	1,946	53,056
McKean	1,418	2,519	3,937	588	6,026
Mercer	9,503	21,751	31,254	4,067	68,105
Mifflin	22,107	33,013	55,120	2,138	69,765
Monroe	699	229	928	337	5,766
Montgomery	3,571	3,234	6,805	269	31,328
Montour	6,424	4,579	11,003	526	19,184
Northampton	1,952	4,178	6,130	932	31,479
Northumberland	35,602	16,027	51,629	2,160	81,721
Perry	48,351	28,090	76,441	5,100	96,370
Philadelphia	35	-	35	-	201
Pike	163	243	406	444	2,749
Potter	4,419	12,121	16,540	1,708	27,028
Schuylkill	48,549	7,842	56,391	3,249	85,069
Snyder	78,564	18,274	96,838	2,053	115,058
Somerset	13,856	44,218	58,074	2,182	75,872
Sullivan	1,309	5,223	6,532	671	8,861
Susquehanna	8,426	28,334	36,760	4,399	46,568
Tioga	12,534	29,607	42,141	8,433	57,113
Union	38,016	23,611	61,627	1,407	73,884
Venango	2,762	3,721	6,483	898	11,780
Warren	3,785	10,489	14,274	1,381	19,476
Washington	11,270	9,230	20,500	3,509	36,196
Wayne	4,266	15,469	19,735	1,474	24,736
Westmoreland	8,286	16,385	24,671	2,606	47,260
Wyoming	2,403	6,511	8,914	1,682	15,428
York	61,387	29,049	90,436	3,549	182,756
Northwestern	47,362	87,506	134,868	14,710	268,341
North Central	61,159	143,671	204,830	27,053	300,159
Northeastern	17,097	53,877	70,974	8,029	99,554
West Central	36,862	67,971	104,833	7,452	243,345
Central	369,675	287,629	657,304	30,136	907,555
East Central	57,106	19,103	76,209	8,403	189,453
Southwestern	45,991	80,208	126,199	9,559	217,683
South Central	280,842	278,041	558,883	24,495	887,928
Southeastern	621,097	491,834	1,112,931	31,519	2,026,927
Pennsylvania	1,537,191	1,509,840	3,047,031	161,356	5,140,945

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

Farm Labor, 2009

By Jacqueline A. Weaver

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 2009 ranged between a low of

21,000 in January to a high of 37,000 in October. The average hours worked during the survey week by all hired workers varied from 37.0 hours in January 2009 to 41.0 hours in October 2009.

In 2009, all hired workers earned between \$10.20 per hour in July to \$11.40 per hour in January. During the same period, field workers' hourly wage rates ranged between \$9.83 in July to \$10.80 in January. In contrast, livestock workers' hourly wage rates ranged from \$8.86 in April to \$9.69 in January.

Northeast II: Hired Farm Labor, Quarterly, 2005-2009 ^{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)
2005								
January 9-15	18	14	4	33.7	8.47	8.76	8.62	9.66
April 10-16	26	22	4	39.8	9.24	8.62	9.05	9.65
July 10-16	50	40	10	39.1	8.71	9.37	8.90	9.79
October 9-15	39	32	7	39.6	9.21	8.62	9.09	10.00
2006								
January 8-14	24	21	3	38.1	9.89	7.79	9.29	10.56
April 9-15	25	20	5	40.2	10.54	8.80	10.10	10.75
July 9-15	49	30	19	39.8	9.26	9.03	9.20	9.90
October 8-14	42	31	11	38.0	9.17	7.91	8.86	9.65
2007								
January 8-14 ⁴	-	-	-	-	-	-	-	-
April 8-14	33	25	8	37.1	10.34	8.56	9.80	10.55
July 8-14	36	26	10	42.0	9.62	10.04	9.74	10.78
October 7-13	38	30	8	41.8	9.81	9.86	9.82	10.63
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

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 January 2007.

Northeast II: Annual Average Wage Rates for Hired Workers, 2005-2009 ^{1 2}

Year	All Hired	Field	Field and Livestock
	(dollars per hour)	(dollars per hour)	(dollars per hour)
2005	9.81	8.97	8.96
2006	10.09	9.58	9.29
2007	10.62	9.88	9.70
2008	10.32	9.72	9.50
2009	10.79	10.23	9.94

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.gov/PA. 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 2009-2010
USDA, National Agricultural Statistics Service - PA Office

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 2009 averaged 55 percent, 3 percentage points below 2007, but unchanged from 2005. The proportion of Pennsylvania farms with internet access in 2009, at 48 percent, was down three points from 2007.

Nationally, 64 percent of farms had access to a computer in 2009, unchanged from 2007 and up 5 percentage points from 2005. Survey data indicated that 59 percent of U.S. farms had internet access in 2009, 2 percentage points above 2007.

Farm Computer Usage: Access, Ownership and Use, by State and United States, 2005, 2007 and 2009

State	Farms											
	With computer access			That own or lease computer			Using computers for farm business			With internet access		
	2005	2007	2009	2005	2007	2009	2005	2007	2009	2005	2007	2009
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
AL	48	55	57	47	54	54	25	24	25	40	50	52
AZ ¹	60	52	45	60	50	39	29	33	15	50	45	40
AR	50	59	65	48	56	61	24	32	32	44	52	56
CA	58	71	69	54	66	68	38	42	44	52	66	66
CO	68	74	74	66	73	73	41	40	44	62	70	68
FL	61	61	71	60	60	61	39	37	38	57	56	65
GA	42	57	54	38	55	52	19	26	23	36	53	50
ID	77	83	80	75	81	79	47	50	42	68	66	68
IL	64	67	66	60	66	64	40	40	44	56	60	61
IN	58	64	68	56	62	65	35	38	42	51	57	61
IA	64	70	69	61	68	67	42	42	47	55	63	62
KS	57	68	69	54	64	67	35	39	42	49	57	64
KY	36	60	57	34	57	54	17	24	26	30	51	48
LA	51	51	53	46	49	51	20	25	26	46	49	46
MD ²	58	64	62	56	63	61	31	36	34	48	61	59
MI	62	64	69	57	58	62	35	34	41	54	59	61
MN	65	71	71	60	66	68	35	38	46	56	62	65
MS	45	51	53	42	47	50	23	22	22	37	44	47
MO	55	56	54	50	53	53	30	29	29	45	52	49
MT	75	72	73	73	70	72	45	45	52	70	63	69
NE	65	69	69	62	67	68	41	44	50	52	63	62
NH ³	78	78	83	76	75	78	52	50	47	65	67	75
NJ	60	69	76	60	63	75	45	45	46	60	63	75
NM	62	53	51	62	53	50	20	20	31	55	48	45
NY	63	67	71	59	63	68	34	36	44	55	63	66
NC	59	61	68	56	56	66	30	32	37	52	54	63
ND	65	67	65	63	64	63	41	44	49	58	61	61
OH	56	62	59	53	60	57	29	32	39	46	58	55
OK	55	55	60	50	54	60	28	32	32	48	53	57
OR	80	82	79	78	78	75	50	50	44	70	72	69
PA	55	58	55	53	54	51	27	29	27	47	51	48
SC	52	62	59	47	61	58	25	36	33	44	48	46
SD	66	70	68	62	69	66	40	40	45	55	64	62
TN	55	58	55	45	46	46	20	24	22	45	50	47
TX	58	62	61	55	55	58	27	33	30	51	52	57
UT	72	70	71	64	63	66	40	50	36	56	59	65
VA	65	62	68	60	59	65	28	28	32	55	54	67
WA	70	75	81	67	72	74	40	50	50	66	69	77
WV	60	63	64	55	54	60	31	32	30	51	47	61
WI	64	69	73	60	60	70	34	38	41	56	58	67
WY	79	76	81	71	74	80	35	43	40	77	66	80
US ⁴	59	64	64	55	60	61	32	35	36	51	57	59

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, 2005, 2007 and 2009 ¹

Region	Farms											
	With computer access			That own or lease computer			Using computers for farm business			With Internet access		
	2005	2007	2009	2005	2007	2009	2005	2007	2009	2005	2007	2009
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast ²	62	66	67	60	62	63	36	37	37	55	58	61
\$1,000-9,999	60	65	67	58	62	63	26	27	32	54	59	61
\$10,000-99,999	62	62	67	58	58	62	45	45	42	55	58	62
\$100,000 and over	70	67	66	67	65	64	56	52	51	59	58	57
\$100,000-249,999	67	59	56	63	58	55	50	40	37	53	49	46
\$250,000 and over	75	75	76	73	71	72	65	63	64	68	67	68
Crop farms	60	65	66	59	60	60	37	37	35	54	57	59
Livestock farms	64	67	67	61	64	65	36	37	38	56	60	62
North Central ³	61	66	66	57	62	64	36	38	42	52	59	60
\$1,000-9,999	58	62	63	53	59	60	24	24	27	50	54	56
\$10,000-99,999	56	61	60	52	55	58	34	36	40	45	54	55
\$100,000 and over	76	78	77	74	74	75	59	60	63	67	73	71
\$100,000-249,999	71	70	70	69	67	68	50	52	54	60	64	63
\$250,000 and over	82	83	81	80	80	80	68	69	70	74	79	77
Crop farms	62	66	68	58	62	65	37	39	45	53	58	62
Livestock farms	60	66	65	56	62	62	35	35	37	50	61	58
South ⁴	53	59	60	49	55	57	25	30	29	46	52	55
\$1,000-9,999	49	55	57	46	53	54	18	24	22	43	50	52
\$10,000-99,999	55	59	61	50	54	57	28	33	35	45	51	56
\$100,000 and over	73	75	75	69	71	72	55	55	58	62	66	69
\$100,000-249,999	68	68	70	63	64	66	48	48	50	55	60	65
\$250,000 and over	77	78	78	74	75	75	62	61	65	69	70	72
Crop farms	53	58	59	50	54	56	26	30	29	46	50	54
Livestock farms	53	59	60	49	55	57	25	30	29	45	53	55
West ⁵	69	72	71	66	69	69	40	44	42	62	64	66
\$1,000-9,999	69	68	67	66	65	66	31	36	32	62	61	64
\$10,000-99,999	66	72	69	62	69	66	43	46	41	57	63	63
\$100,000 and over	76	83	82	74	80	79	62	61	67	70	77	75
\$100,000-249,999	73	79	81	71	74	78	56	52	61	63	71	72
\$250,000 and over	78	85	82	76	83	80	67	68	71	75	81	78
Crop farms	67	69	69	65	67	67	42	43	44	60	63	66
Livestock farms	71	74	72	67	70	71	39	44	41	64	66	66
United States ⁶	59	64	64	55	60	61	32	35	36	51	57	59
\$1,000-9,999	55	60	60	52	57	57	22	25	25	48	52	56
\$10,000-99,999	58	64	62	52	59	59	35	36	38	47	55	57
\$100,000 and over	75	75	76	72	68	75	58	59	61	65	71	70
\$100,000-249,999	70	68	70	67	68	67	51	51	52	59	63	63
\$250,000 and over	80	81	81	77	79	79	66	66	69	72	76	76
Crop farms	60	64	65	57	61	62	34	37	40	52	56	60
Livestock farms	58	64	63	54	60	60	30	33	33	50	57	58

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, 2009

By Julie A. Donahoe



Pennsylvania: U.S. agricultural exports from the Keystone State during the fiscal year (FY) October 2008-September 2009 were valued at \$1,731.8 million. This represents a decrease of 11 percent from the \$1,941.1 million worth of commodities exported in FY 2008.

Pennsylvania exports ranked seventh in dairy products and unmanufactured tobacco; eighth in fruit and preparations, and 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 2009 totaled \$96.6 billion, down 16 percent from FY 2008.

California was the leading export state in FY 2009. The total value of their exports was \$12.5 billion. Other leading states and their value were: Iowa, \$6.5 billion; Illinois, \$5.5 billion; Nebraska, \$4.8 billion; Texas and Kansas, \$4.7 billion; and Minnesota with \$4.3 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 2005-2009 ¹

Commodity	Shipped to other countries									
	Pennsylvania					United States				
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
	(million dollars)									
Wheat and products	148.9	169.2	193.5	249.3	224.6	5,880.0	6,142.1	8,681.9	14,826.9	8,598.2
Soybeans and products	49.4	43.8	72.6	111.8	107.9	8,805.8	8,244.3	11,028.2	19,278.4	17,708.8
Tobacco unmd.	38.5	60.9	42.1	29.3	24.8	988.4	1,058.4	1,143.5	1,279.7	1,199.5
Fruits and preps. ²	24.7	30.8	34.4	47.1	42.4	4,093.7	4,580.3	5,019.1	5,882.3	5,713.5
Vegetables and preps.	14.6	14.0	13.1	17.6	16.3	3,631.9	3,908.6	4,298.5	5,154.7	5,279.1
Live animals and meat, excl. poultry	125.9	151.6	180.0	243.6	227.4	4,922.6	5,831.3	6,800.0	9,452.6	8,906.5
Hides and skins	42.7	48.3	57.1	59.3	39.8	1,748.1	1,978.2	2,160.5	2,130.9	1,509.8
Poultry and products	88.3	91.6	126.4	160.5	158.8	3,028.7	2,966.9	3,777.1	4,928.9	4,849.9
Fats, oils and grease	12.1	11.8	20.1	29.8	18.2	479.4	477.8	748.4	1,061.2	682.7
Dairy products ³	64.1	61.7	86.0	142.7	81.5	1,744.5	1,820.2	2,522.1	4,097.5	2,335.3
Feeds and fodders	42.5	65.8	55.5	74.8	74.2	2,210.6	2,493.2	2,897.9	4,007.4	3,948.3
Seeds	4.2	3.8	3.5	3.2	4.1	916.3	870.7	933.1	1,154.9	1,238.3
Other ⁴	425.1	478.4	526.2	606.4	595.9	8,975.5	9,979.0	11,026.3	12,715.1	12,432.7
Total	1,150.6	1,323.9	1,515.9	1,941.1	1,731.8	62,516.3	68,593.0	82,216.8	115,305.4	96,632.2

¹ Source: USDA, Economic Research Service (ERS) 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, 2010

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, 2009-2010

Job	Basis of Charge	2010 <i>(Dollars)</i>				2009
		Mountain Section	Valley Section	Range ¹	State	State <i>(Dollars)</i>
HARVESTING						
Corn Picking.....	Acre	25.50	26.10	18.00 – 33.00	25.90	25.90
Corn Combining.....	Acre	31.10	30.30	26.00 – 35.00	30.50	30.70
Corn Drying (23 Percent).....	Bu.	0.41	0.45	0.18 – 0.75	0.44	0.47
Combining Small Grains.....	Acre	30.40	29.60	25.00 – 35.00	29.80	30.30
Combining Soybeans.....	Acre	31.30	30.60	26.00 – 35.00	30.70	30.60
Hay Making:						
Mowing.....	Acre	14.10	15.50	10.00 – 20.00	15.20	14.20
Mowing & Conditioning.....	Acre	15.40	15.40	11.00 – 20.00	15.40	15.00
Raking.....	Acre	8.70	8.40	5.00 – 12.00	8.45	8.70
Small Square Baling.....	Bale	0.96	0.77	0.35 – 1.50	0.82	0.80
Cut, Rake, Bale & Store.....	Bale	1.65	1.80	1.00 – 2.50	1.75	1.80
Large Round Baling.....	Bale	7.40	6.95	5.00 – 9.00	7.10	7.30
Size.....	Lbs.	850 lbs.	864 lbs.	550 – 1,200 lbs.	859 lbs.	870 lbs.
Large Square Baling.....	Bale	8.30	7.95	6.00 – 10.00	8.00	8.20
Size.....	Lbs.	879 lbs.	829 lbs.	650 – 1,200 lbs.	837 lbs.	838 lbs.
Wrapping Bales.....	Bale	6.90	6.85	5.00 – 9.00	6.90	6.85
Silage Making:						
Pull-Type Chopper & Tractor.....	Hour	76.80	82.20	35.00 – 120.00	80.10	78.90
Self-Propelled Chopper.....	Hour	242.00	220.00	120.00 – 325.00	223.00	218.00
Less than 365 HP.....	Hour	-	-	100.00 – 275.00	188.00	179.00
Greater than 365 HP.....	Hour	-	-	195.00 – 350.00	260.00	252.00
Blower.....	Hour	15.30	18.10	8.00 – 40.00	17.40	17.00
1 Man, 2 Wagons, 1 Tractor.....	Hour	61.00	75.40	50.00 – 125.00	72.40	70.00
2 Men, 2 Wagons, 2 Tractors.....	Hour	98.90	115.00	75.00 – 150.00	111.00	108.00
1 Man, 1 Truck.....	Hour	60.90	64.60	50.00 – 75.00	64.00	60.80
Field Chop, Haul & Fill Silo.....	Ton	9.65	7.80	4.00 – 12.00	8.35	12.00
Bagging Silage.....	Foot	5.70	4.25	2.50 – 6.50	4.55	4.75
Less than 9.0 ft.....	Foot	-	-	2.75 – 5.50	4.20	3.75
Greater than 9.0 ft.....	Foot	-	-	2.50 – 8.85	5.40	5.35
PLOWING AND CULTIVATING						
Plowing, Moldboard Plow:						
Stubble.....	Acre	19.00	20.20	13.00 – 25.00	19.80	19.10
Sod.....	Acre	20.30	23.00	12.00 – 35.00	22.00	20.80
Plowing, Deep (10 Inches or More).....	Acre	23.90	25.60	15.00 – 38.00	25.20	22.60
Plowing, Chisel.....	Acre	16.30	17.10	12.00 – 20.00	16.90	16.80
Plowing, Disk.....	Acre	16.40	18.10	10.00 – 23.00	17.70	17.20
Disking, Tandem.....	Acre	16.00	15.50	10.00 – 20.00	15.70	16.50
With Harrow or Cultipacker.....	Acre	16.80	18.10	13.00 – 20.25	17.90	18.50
Harrowing:	Acre	13.20	14.20	10.00 – 18.00	14.00	15.00
Cultivating.....	Acre	13.90	15.90	10.00 – 20.00	15.30	15.60

See footnote at end of table.

Custom Rates: Selected Farming Operations, Pennsylvania, 2009-2010

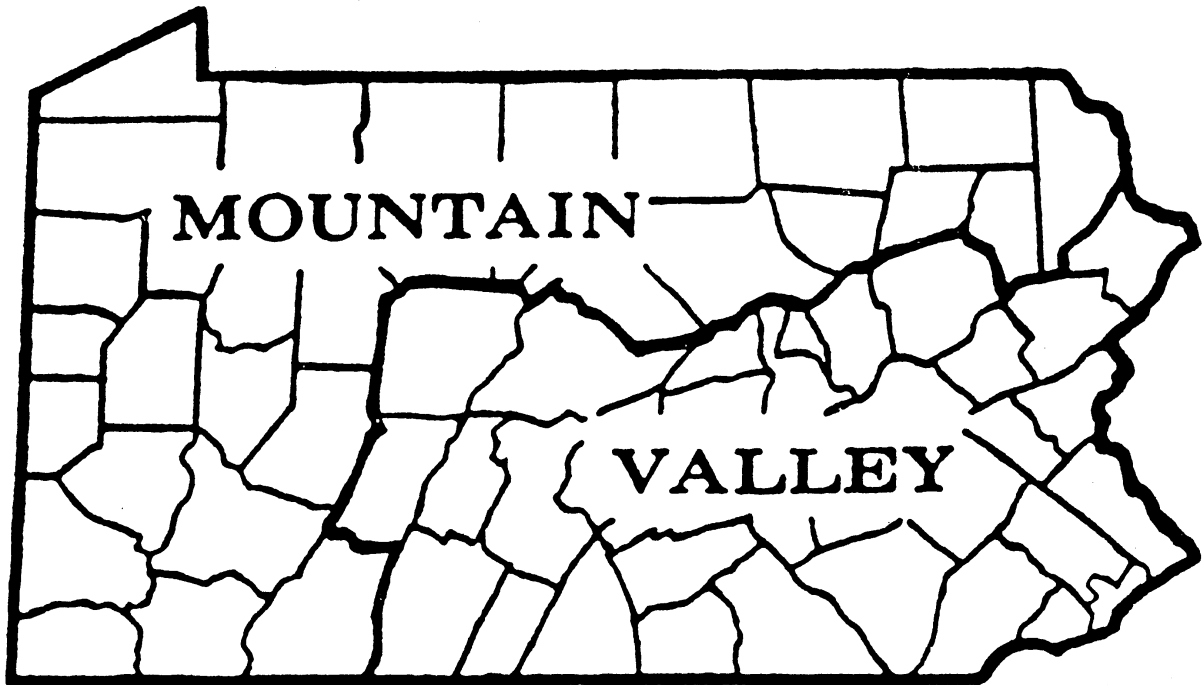
Job	Basis of Charge	2010 (Dollars)				2009
		Mountain Section	Valley Section	Range ¹	State	State (Dollars)
PLANTING AND DRILLING						
Plantina Corn. With Fertilizer:						
Conventional-Till	Acre	18.90	18.30	14.00 – 22.00	18.40	18.10
Minimum-Till	Acre	19.80	19.90	15.00 – 25.00	19.90	18.70
No-Till	Acre	21.90	20.10	15.00 – 25.00	20.50	20.10
Plantina Corn. Without Fertilizer:						
Conventional-Till	Acre	17.40	17.70	13.00 – 22.00	17.30	17.30
Minimum-Till	Acre	19.30	18.30	14.00 – 25.00	18.60	18.20
No-Till	Acre	21.10	18.50	14.50 – 24.00	19.10	19.00
Plantina Sovbeans. Without Fertilizer:						
Conventional-Till	Acre	17.20	17.40	14.00 – 21.00	17.30	17.60
Minimum-Till	Acre	18.80	17.90	14.00 – 22.00	18.10	18.40
No-Till	Acre	20.90	18.80	15.00 – 23.00	19.10	18.60
Drilling	Acre	19.20	18.10	14.00 – 22.00	18.30	18.30
Drilling Small Grain. Without Fertilizer						
Conventional-Till	Acre	16.00	16.20	10.00 – 20.00	16.20	16.00
Minimum-Till	Acre	17.50	17.50	14.00 – 21.00	17.50	17.90
No-Till	Acre	20.80	17.60	12.00 – 22.00	18.00	17.60
Seedina Alfalfa. Clover. Etc.....	Acre	16.00	17.70	10.00 – 22.00	17.40	16.70
Broadcast Seedina (On Grain Fields).....	Acre	11.00	11.40	8.00 – 13.00	11.20	11.90
Cleanina Grain Seed:						
With Treatment.....	Bu.	0.98	1.60	0.70 – 2.25	1.50	1.40
Without Treatment.....	Bu.	0.82	0.96	0.50 – 1.30	0.92	0.84
SPRAYING						
Ground Equioment:						
Spraving for Weed Control Excl. Material..	Acre	10.80	10.30	7.00 – 12.00	10.50	9.50
Spraving for Corn Borer	Acre	11.70	10.90	7.00 – 13.00	11.10	9.90
Spraving for Spittle Bug or Alfalfa Weevil ..	Acre	11.30	10.50	7.00 – 15.00	10.60	9.10
MISCELLANEOUS						
Grain Haulina:						
Local	Bu.	0.23	0.19	0.12 – 0.25	0.20	0.20
Long Distance	Bu.	0.39	0.34	0.20 – 0.50	0.35	0.36
Local	Mile	2.25	2.15	1.00 – 4.00	2.15	2.10
Long Distance	Mile	1.90	2.20	1.00 – 3.25	2.10	2.10
Grain Storage.....	Bu./Month	0.05	0.05	0.03 – 0.06	0.05	0.06
Stalk Shreddina. P.T.O.....	Acre	15.70	14.00	6.50 – 20.00	14.30	15.00
Bushhoggina	Acre	23.70	24.50	12.00 – 45.00	24.20	22.60
Soreadina Bulk Fertilizer:						
Dry	Acre	10.50	9.55	6.00 – 12.00	9.85	9.20
Liquid	Acre	11.40	10.30	8.00 – 14.00	10.60	11.00
Side Dressina	Acre	12.70	9.80	8.00 – 14.00	10.40	10.00
Lime	Acre	14.90	10.40	6.00 – 20.00	12.20	12.00
Grindina Feed:						
Corn. Oats or Barley.....	Cwt.	0.80	1.05	0.40 – 1.50	0.95	1.05
Corn & Cobs.....	Cwt.	0.79	1.05	0.50 – 1.50	0.97	1.05
Cobs.....	Cwt.	0.74	0.94	0.20 – 1.10	0.88	0.97
Additional Charge for Mixina	Cwt.	0.51	0.53	0.10 – 0.75	0.53	0.62
Machine Tilina (No Tile)	Foot	0.79	1.20	0.55 – 2.00	1.00	1.05
Back Hoe	Hour	54.00	60.20	40.00 – 80.00	57.80	54.60
Sawina Wood. Chain Saw.....	Hour	20.90	28.00	12.00 – 45.00	25.90	23.30
Post Hole Digaina	Hole	4.55	3.45	1.25 – 5.00	3.75	4.30
Manure Loadina. Solid	Hour	40.90	46.70	25.00 – 65.00	45.00	43.60
Manure Soreadina. Solid.....	Hour	41.20	57.90	30.00 – 85.00	54.50	47.90
Manure Pumpina	Hour	41.30	29.60	15.00 – 54.00	32.00	31.70
Manure Soreadina. Liquid	Hour	70.90	81.70	60.00 – 100.00	79.90	76.20
Bulldozina	Hour	67.90	83.10	50.00 – 100.00	77.30	78.00
Average Size.....	HP	100.00 HP	127.00 HP	60 – 200 HP	116.00 HP	99.50 HP
Tractor Rental Rates:						
Less than 80 HP	Hour	31.50	27.00	12.00 – 50.00	27.80	27.40
80 to 120 HP	Hour	45.30	33.20	15.00 – 60.00	35.40	35.40
120 to 160 HP	Hour	51.40	40.30	20.00 – 60.00	41.70	42.40
Greater than 160 HP	Hour	64.90	49.60	30.00 – 75.00	51.60	52.40

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 82 rates reported with year-to-year comparisons, 43 increased, 33 decreased, and 6 are virtually unchanged from last year. Overall, custom rates were down only a small amount 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, 1900-2009 ¹

Year	Total population	Year	Total population	Year	Total population
	(1,000)		(1,000)		(1,000)
1900	6,313	1950	10,507	2000	12,286
1910	7,706	1960	11,329	-----	
1920	8,740	1970	11,801	2007	12,523
1930	9,649	1980	11,864	2008	12,566
1940	9,896	1990	11,882	2009	12,605

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

United States: Per Capita Consumption of Major Food Commodities, 2001-2008 ¹

Commodity	2001	2002	2003	2004	2005	2006	2007	2008
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Red meat ^{2,3,4}	111.4	114.1	111.8	112.2	110.3	110.0	110.7	108.3
Beef	63.1	64.5	62.0	63.0	62.5	62.8	62.2	61.2
Veal	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3
Lamb and mutton	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.7
Pork	47.0	48.2	48.5	47.9	46.6	46.0	47.3	46.0
Poultry ^{2,3,4}	67.8	70.8	71.3	72.8	73.7	74.3	73.7	72.6
Chicken	54.0	56.8	57.6	59.3	60.6	60.9	59.9	58.8
Turkey	13.8	14.0	13.8	13.5	13.2	13.3	13.8	13.9
Fish and shellfish ³	14.7	15.6	16.3	16.5	16.2	16.5	16.3	16.0
Eggs ⁴	32.5	32.8	32.8	33.1	32.8	33.1	32.1	31.9
Dairy products								
Cheese (excluding cottage) ^{2,5}	30.0	30.5	30.5	31.3	31.6	32.5	33.1	32.4
American	12.8	12.8	12.5	12.9	12.7	13.1	12.8	13.0
Italian	12.4	12.5	12.6	12.9	13.3	13.7	14.5	14.0
Other cheeses ⁶	4.8	5.2	5.4	5.4	5.6	5.8	6.1	5.4
Cottage cheese	2.6	2.6	2.6	2.7	2.7	2.6	2.6	2.3
Beverage milks ²	190.0	189.0	186.3	183.6	181.3	180.8	178.1	179.1
Fluid whole milk ⁷	67.2	66.6	65.6	62.8	59.8	58.0	54.9	52.7
Fluid lower fat milk ⁸	93.9	94.5	93.9	94.2	94.5	95.5	96.0	99.3
Fluid skim milk	28.9	27.9	26.8	26.6	27.0	27.2	27.2	27.1
Fluid cream products ⁹	10.7	10.5	11.9	12.6	12.8	12.9	13.2	12.8
Yogurt (excluding frozen)	7.0	7.4	8.2	9.2	10.3	11.1	11.5	11.8
Ice cream	16.3	16.7	16.4	13.8	14.6	14.7	14.2	13.9
Lowfat ice cream ¹⁰	7.3	6.5	7.5	7.3	6.7	6.9	7.0	6.8
Frozen yogurt	1.5	1.5	1.5	1.3	1.3	1.3	1.1	1.1
All dairy products, milk equivalent, milkfat basis ¹¹	585.2	585.9	594.2	591.5	597.9	606.6	603.8	600.5
Fats and oils -- total fat content	82.7	87.3	86.9	86.5	85.5	84.6	84.9	85.2
Butter and margarine (product weight)	11.4	10.9	9.7	9.7	8.5	9.3	9.3	9.2
Shortening	32.5	32.8	32.5	32.5	29.0	24.9	21.0	18.0
Lard and edible tallow (direct use)	4.2	4.7	5.1	4.7	5.3	5.6	4.6	3.9
Salad and cooking oils	35.6	39.7	40.2	40.0	42.8	44.6	50.2	54.3
Fruits and vegetables ¹²	695.1	689.5	702.2	703.1	685.4	672.5	670.1	643.6
Fruit	280.0	274.9	279.6	278.3	270.1	268.8	261.7	250.9
Fresh fruits	125.8	126.8	128.1	127.7	125.3	127.9	123.6	126.8
Canned fruit	17.6	16.7	17.2	16.9	16.5	15.4	16.0	15.3
Dried fruit	9.8	10.4	9.9	9.3	10.1	10.4	10.0	10.1
Frozen fruit	4.9	4.1	5.1	4.3	5.2	5.0	5.3	4.9
Selected fruit juices	121.7	116.7	119.0	119.7	112.4	109.3	106.4	93.0
Vegetables	415.1	414.6	422.6	424.8	415.4	403.7	408.4	392.7
Fresh	198.1	197.5	201.0	204.8	196.8	194.1	194.7	187.7
Canning	96.5	100.4	100.9	102.6	105.0	94.5	97.2	95.2
Freezing	79.4	76.9	78.9	78.9	76.6	74.6	76.2	73.1
Dehydrated and chips	33.4	32.3	34.6	31.8	30.1	33.0	32.8	29.7
Legumes	7.7	7.5	7.3	6.7	6.9	7.5	7.6	7.0
Peanuts (shelled)	5.9	5.8	6.4	6.7	6.7	6.5	6.3	6.4
Tree nuts (shelled)	2.9	3.3	3.5	3.5	2.6	3.3	3.5	3.5
Flour and cereal products ¹³	195.1	192.3	193.8	192.1	192.3	194.2	197.3	196.5
Wheat Flour	141.1	136.8	136.8	134.6	134.4	135.8	138.3	136.6
Rice (milled basis)	19.3	20.1	20.9	20.8	20.8	20.7	20.8	21.0
Caloric sweeteners ¹⁴	147.1	146.3	141.6	141.8	142.3	139.1	136.2	136.3
Coffee (green bean equiv.)	9.5	9.2	9.5	9.6	9.5	9.5	9.6	9.5
Cocoa (chocolate liquor equiv.)	4.5	3.9	4.2	4.8	5.2	5.2	4.8	4.5

-- = 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 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.

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.nass.usda.gov/pa/. These slides describe various facets of Pennsylvania's agriculture. Many, many more can be found there!

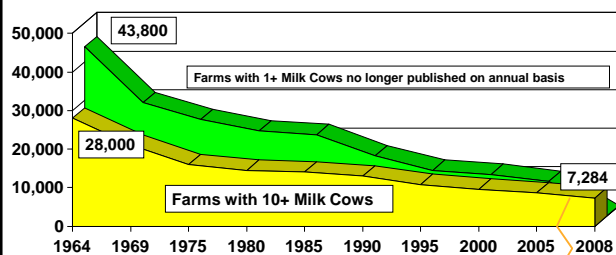
The screenshot shows the USDA National Agricultural Statistics Service website for Pennsylvania. The header includes the USDA logo and the text "United States Department of Agriculture National Agricultural Statistics Service". Below the header is a navigation bar with links: Home, About NASS, Newsroom, Publications, Data and Statistics, Census, Surveys, Help, and Contact Us. A search bar is located on the left side, with a "Go" button. Below the search bar is a "Browse NASS by Subject" section with links to Crops and Plants, Demographics, Economics, Environmental, Livestock and Animals, Charts and Maps, Research and Science, and Education and Outreach. The main content area is titled "Pennsylvania office of USDA-NASS" and "Charts and Maps". It contains a paragraph about the links being Microsoft PowerPoint presentations that describe various facets of Pennsylvania's agriculture. It also includes a "NOTE" about download times and a list of links to various charts and maps, such as "2007 Ag Census", "Dairy", "Demographics & Economics", "Field Crops", "Livestock and Poultry", and "Specialty Crops". On the right side, there is a "I Want To..." section with links to "Search for Pennsylvania Data and Statistics", "Contact the Pennsylvania Field Office", "Subscribe to PA reports", "Make sure I'm counted", and "Learn About the Pennsylvania Field Office". Below this is a "More State Features" section with links to "2007 Ag Census Promotion", "2007 Congressional District Profiles", "2007 Census Legislative District Profiles", "Current Survey Activity", "Family Fun Kids Site", "Pennsylvania charts or maps", and "Other Pennsylvania Links". At the bottom right, there is a "Data Users' Forum" section with the date "October 25, 2010".

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.

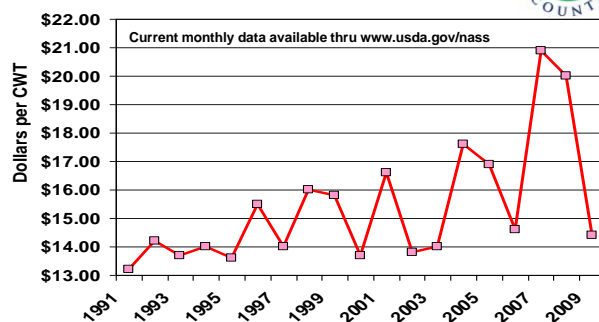
Number of PA Milk Operations



Feb 2010

National Ag Statistics Service-PA, USDA

PA Average Milk Price, Wholesale



Apr 2010

National Ag Statistics Service-PA, USDA

Percent of Principal Operator's Total Household Income from Farming

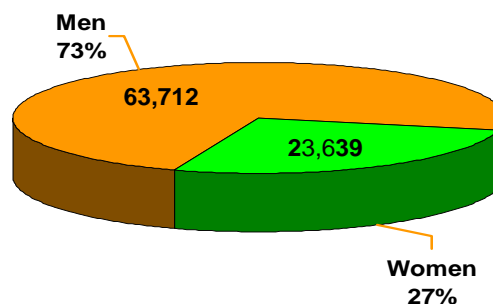


<u>Percent income from farming</u>	<u>2007 Number of Farms</u>	<u>2007</u>	<u>2002</u>
Less than 25%	45,833	72.6%	60.4%
25 to 49%	3,815	6.0%	7.9%
50 to 74%	4,277	6.8%	8.2%
75 to 99%	4,478	7.1%	7.6%
100%	4,760	7.5%	13.6%

2007 Census of Agriculture

National Ag Statistics Service-PA, USDA

ALL Operators of PA Farms, 2007 by Gender on 63,163 farms



2007 Census of Agriculture

National Ag Statistics Service-PA, USDA

Direct Sales, Human Consumption, 2007



TOP 100 COUNTIES in the USA

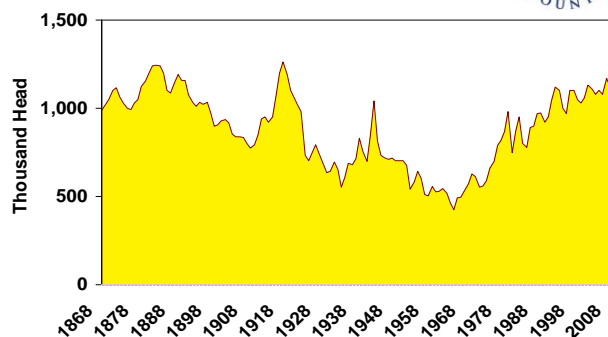
#1 – Fresno, CA	#34 – York, PA
#2 – Merced, CA	#59 – Schuylkill, PA
#3 – Jackson, OR	#60 – Adams, PA
#4 – San Joaquin, CA	#61 – Chester, PA
#5 – Tulare, CA	#85 – Franklin, PA
#6 – San Diego, CA	#91 – Berks, PA
#9 – Lancaster, PA	#97 – Butler, PA
#20 – Bucks, PA	#100 – Montgomery, PA

2007 Census of Agriculture

National Ag Statistics Service-PA, USDA

Hog Inventory December 1

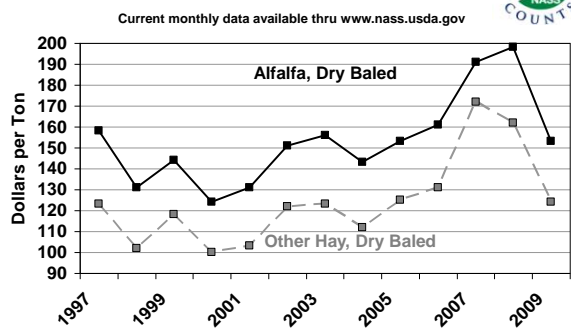
Pennsylvania, 1868-2009



Jan 2010

National Ag Statistics Service-PA, USDA

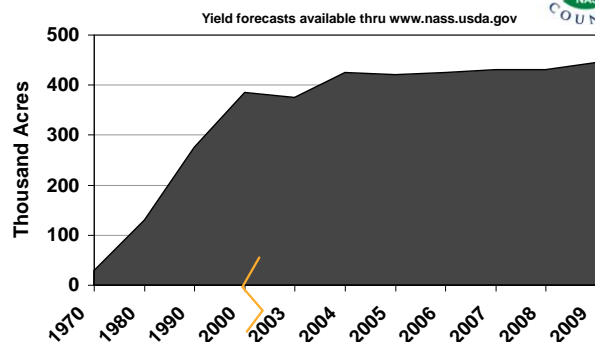
PA Dry Hay: Market Year Average Price



Feb 2010

National Ag Statistics Service-PA, USDA

PA Soybean Acres Harvested



Jan 2010

National Ag Statistics Service-PA, USDA

Grape Acres by Variety & Percent Fr. Hybrid + Vinifera on PA Commercial Fruit Orchards

	1978	1997	2002
Catawba	915	329	254
Concord	11,751	9,819	9,247
Cayuga	na	na	34
Fredonia	59	14	15
Niagara	471	602	714
Other Native	150	84	37
French Hybrids	506	394	352
Vinifera	46	212	284
Unclassified	-	8	84

3.9%

5.3%

5.8%

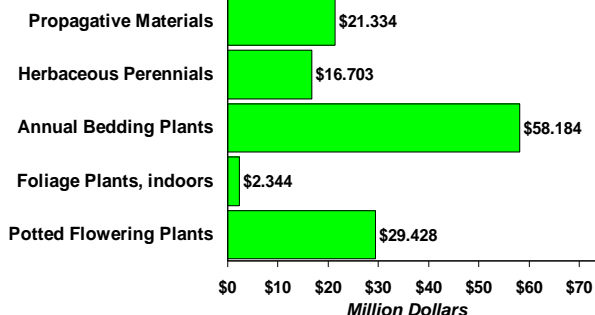
2002 Orchard & Vineyard Survey

National Ag Statistics Service-PA, USDA

PA Floriculture Crops, 2009

Wholesale Value of Sales = \$136.2 million

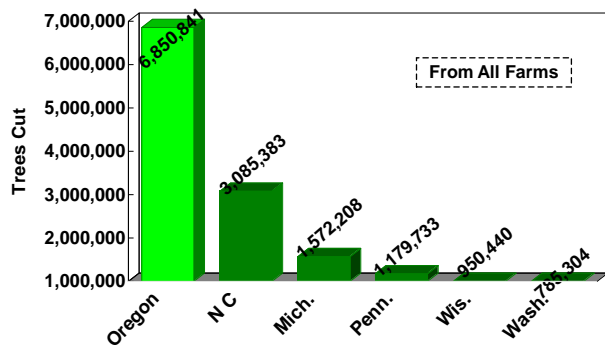
From 229 Farms with \$100,000+ Sales



Apr 2010

National Ag Statistics Service-PA, USDA

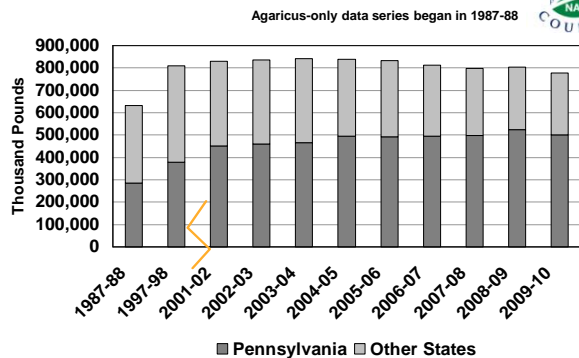
Cut Christmas Trees, 2007 Number of Trees Cut, States > 1/2 million



2007 Census of Agriculture

National Ag Statistics Service-PA, USDA

All Agaricus Mushrooms: Volume of Sales, PA & U.S.



Aug 2010

National Ag Statistics Service-PA, USDA

Agricultural Chemical Usage

Postharvest Applications – Oats Summary

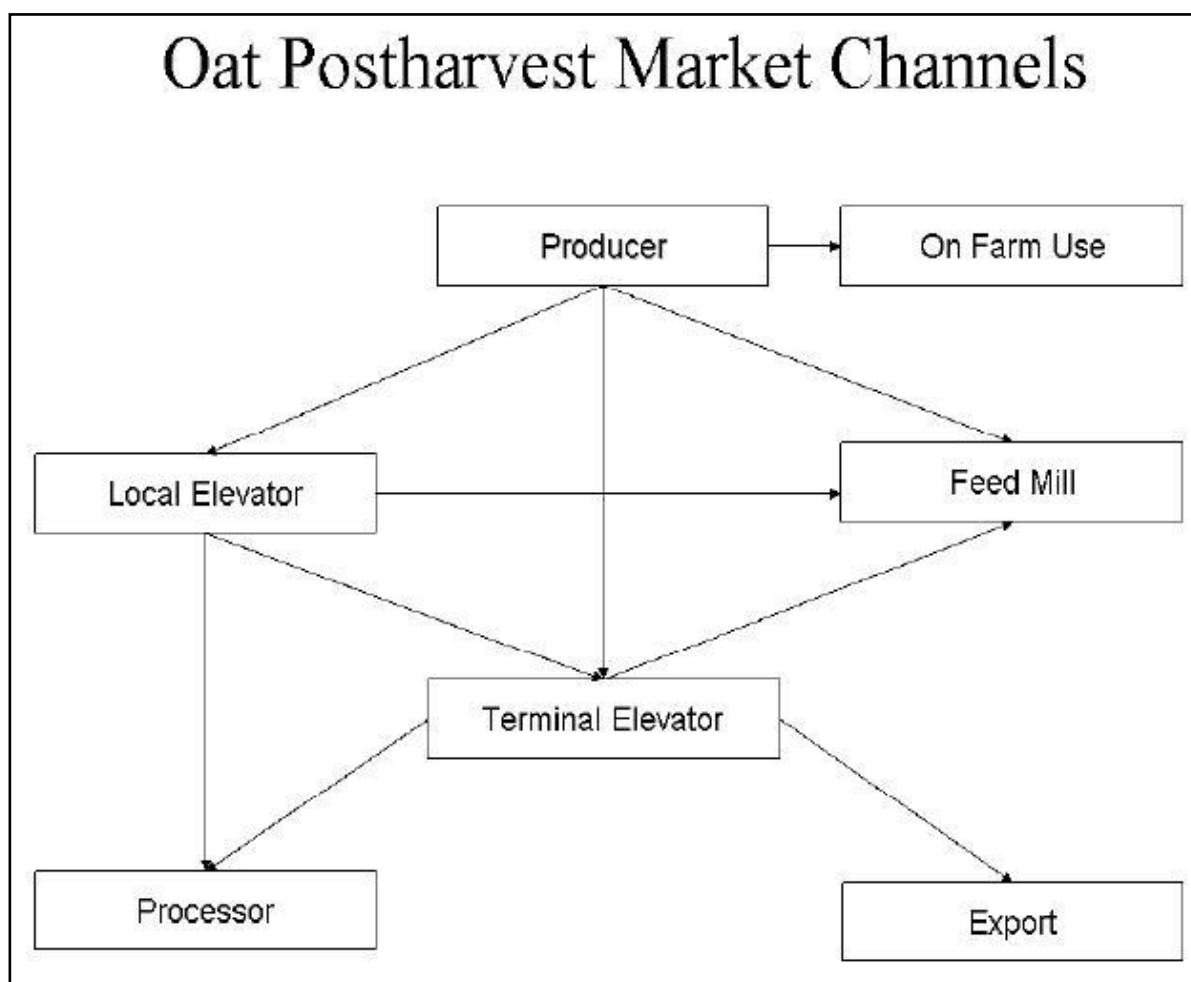
By Pamela K. Kanagy

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

After harvest, oats are generally marketed through local and/or terminal elevators, except those which are used on the farm. The diagram below shows the traditional postharvest marketing channels for oats. Most oats are used for livestock feed. This grain may be pulled out of the marketing channel at any point. Processors are also recipients of the grain at any point along the marketing channel.

Oats moving from a local elevator to a terminal elevator were duplicated in the total amount handled. The intent of the survey was to obtain the entire amount of chemicals applied to the stored oats; therefore, this duplication in quantity handled is necessary.

In addition to chemical applications, grain storage operators were also asked a series of questions pertaining to their pest management practices. Answers to these questions are summarized and included in the report.



Oats: Postharvest Chemical Applications, Program States, 2005-06 Marketing Year

Agricultural chemical	Volume treated	Applications	Rate per application	Rate per market year	Total applied
	(percent)	(number)	(lbs. per 1,000 bu.)	(lbs. per 1,000 bu.)	(1,000 lbs.)
Insecticides:					
Aluminum phosphide	5.1	1.0	0.057	0.057	0.4
Malathion	0.7	1.0	0.415	0.415	0.4

Pennsylvania: Oats - Postharvest Chemical Applications, Percent Treated and Total Applied, 2005-06 Marketing Year ¹

Volume handled	Percent treated and total applied					
	Insecticide		Fungicide		Other chemical	
(1,000 bu.)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)
2,867	*	*				

* Insufficient reports to publish data. ¹ Blank cells represent no data reported for the item.

Pennsylvania: Oats – All Grains Handled: Pest Management Practices, Percent of Operations Utilizing Practice, 2005-06 Marketing Year ¹

Practice	Percent of acres receiving practice
	(percent)
Mechanical Devices:	
Aeration controller	13
Deep bin sampler	
Grain spreader	13
Phosphine pellet dispenser	4
Protein analyzer	1
Power probe	
Re-circulation fumigation device	
Temperature cable	1
Cleaning Activities:	
Clean aeration ducts	38
Control vegetation around bins	78
Core bins after filling	16
Fumigate empty bins	34
Hose down empty warehouse bins	6
Pick up spilled grain	87
Sweep or vacuum empty bins	81
Other cleaning activities	4

¹ Blank cells represent no data reported for the item.

Pennsylvania: Oats – All Grains Handled: Pest Management Practices, Percent of Operations Utilizing Practice, 2005-06 Marketing Year^{1 2}

Practice	Spring and summer	Fall and winter
Inspected for insects:		
Concrete Silos:		
Daily	3	3
Twice a week		
Weekly	3	1
Every two weeks	1	1
Monthly	1	3
Other		
Do not monitor	3	3
Do not have structure	89	89
Steel Bins and Tanks:		
Daily	11	11
Twice a week	5	5
Weekly	17	15
Every two weeks	8	7
Monthly	13	16
Other	8	8
Do not monitor	8	9
Do not have structure	30	30
Other Structures:		
Daily	12	12
Twice a week	1	1
Weekly	11	8
Every two weeks	5	5
Monthly	9	11
Other	3	3
Do not monitor	9	11
Do not have structure	49	49

¹ Numbers for each type of structure may not add to 100 due to rounding.

² Blank cells represent no data reported for the item.

Pennsylvania: Oats – Pest Management Practices, Percent of Operations Utilizing Practice, 2005-06 Marketing Year, Continued ^{1 2}

Practice	Spring and summer	Fall and winter
Measured Grain Temperature:		
Concrete Silos:		
Daily		
Twice a week		
Weekly		
Every two weeks		
Monthly	3	3
Other		
Do not monitor	11	11
Do not have structure	87	87
Steel Bins and Tanks:		
Daily	3	3
Twice a week		
Weekly	8	5
Every two weeks	1	3
Monthly	7	7
Other	1	1
Do not monitor	50	52
Do not have structure	30	30
Other Structures:		
Daily	1	1
Twice a week		
Weekly	5	1
Every two weeks	1	1
Monthly	5	7
Other	1	1
Do not monitor	36	37
Do not have structure	49	50

¹ Numbers for each type of structure may not add to 100 due to rounding.

² Blank cells represent no data reported for the item.

Oats - All Grains Handled: Pest Management Practices, Strategies Used in Determining Fumigation Schedule, 2005-06 Marketing Year ¹

Practice	State						
	ND	OH	PA	SD	TX	WI	ALL
	(percent of operations)	(percent of operations)	(percent of operations)	(percent of operations)	(percent of operations)	(percent of operations)	(percent of operations)
Preset calendar date		24	6	4		7	6
Bin samples	25	6	13	33	35	32	28
Combined with other handling operations	5		31	14	35	7	12
Insect trap counts	5	6	6	8			3
Visual grain inspection	65	65	31	41	29	47	49
Other			13			8	2

¹ Blank cells represent no data reported for the item.

Agricultural Chemical Usage

2005 Selected Field Crops

By Pamela K. Kanagy

The following chemical use data is the most recent data available. For the complete report, go to www.nass.usda.gov and click on "Environmental" in the gray column along the left-hand side.

Oats

Pesticides, Fertilizers, Pest Management Practices:

Nitrogen: Pennsylvania farmers applied nitrogen to 90 percent of the 140,000 acres of oats planted in 2005. Total nitrogen applied to oats in 2005 was 4.5 million pounds. The average rate per application was 33 pounds per acre with the average number of applications of 1.1.

Phosphate: Phosphate was applied to 81 percent of Pennsylvania's oat acres planted in 2005. Total phosphate applied to oats in 2005 was 4.9 million pounds.

Potash: Oat growers in the State applied potash to 82 percent of the 140,000 acres planted in 2005. The total amount applied was 5.1 million pounds at a rate of 45 pounds per acre per crop year.

Pesticides: Herbicides were applied to 58 percent of the oat acreage planted. 2,4-D was the most common herbicide applied with a total amount applied of 9,000 pounds on 16 percent of Pennsylvania's oat acreage.

Pennsylvania: Oats - Planted Acreage, Pesticide, Percent of Area Receiving Applications and Total Applied, 2005¹

Crop	Planted acreage	Area receiving and total applied					
		Herbicide		Insecticide		Fungicide	
	(1,000 acres)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)
Oats	140	58	46	-	-	-	-

¹ Insufficient reports to publish data for one or more pesticide classes.

Pennsylvania: Oats - Fertilizer Primary Nutrient Applications, 2005

Primary nutrient	Planted acreage	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	(1,000 acres)	(percent)	(number)	(pounds per acre)	(pounds per acre)	(million lbs.)
Oats	140					
Nitrogen		90	1.1	33	36	4.5
Phosphate		81	1.0	43	43	4.9
Potash		82	1.0	45	45	5.1
Sulfur		2	1.0	34	34	0.1

Pennsylvania: Oats - Agricultural Chemical Applications, 2005¹

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, dimeth. salt	16	1.0	0.378	0.387	9
2,4-DB, dimeth. salt	8	1.0	0.580	0.580	6
MCPA, dimethyl. salt	15	1.0	0.350	0.350	8

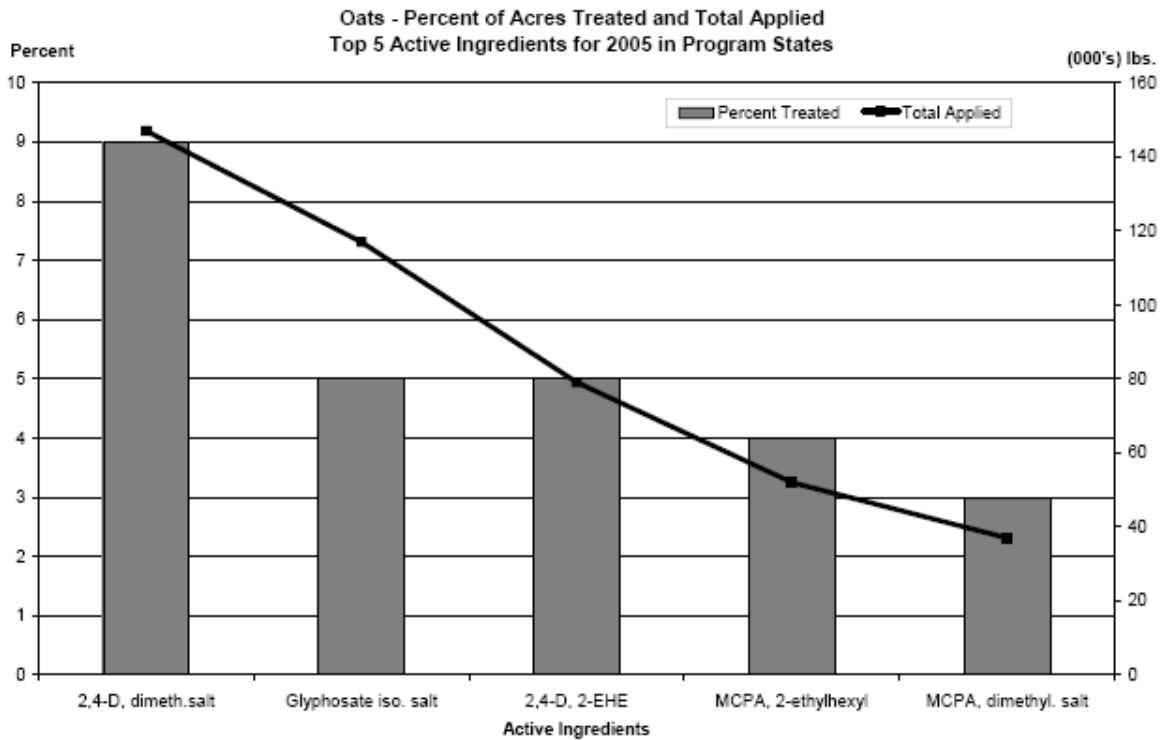
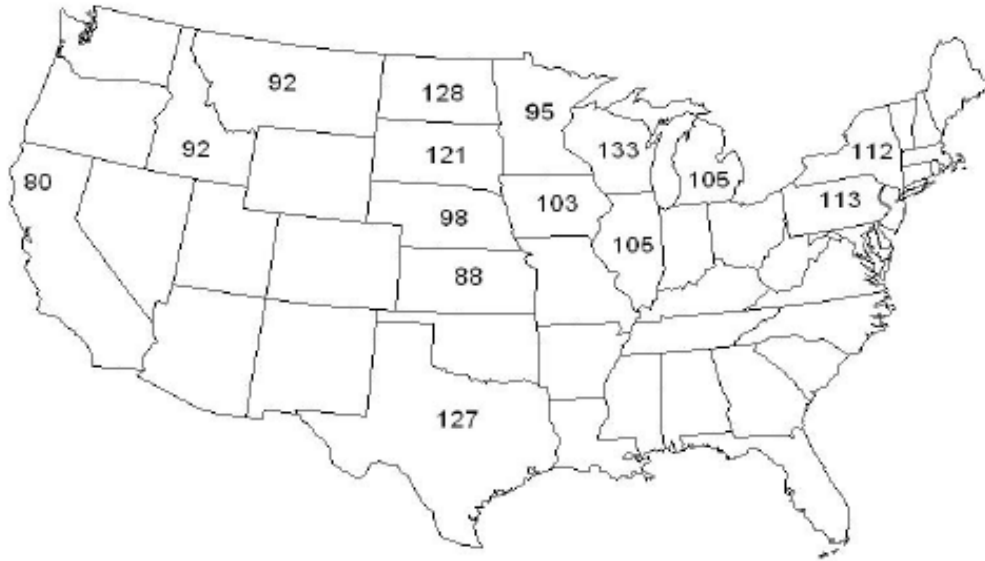
¹ Planted acreage in 2005 for Pennsylvania was 140,000 acres.

**Pennsylvania: Pest Management Practices - Percent of Acres Receiving Practice
and Percent of Farms Receiving Practice for Oats, 2005**

Practice	Percent of acres receiving practice		Percent of farms receiving practice	
	PA	US	PA	US
	(percent of acres)	(percent of acres)	(percent of farms)	(percent of farms)
Prevention Practice:				
No-till or minimum till used to manage pests	21	38	16	37
Plow down crop residue	54	39	53	37
Remove crop residue	17	15	20	15
Clean implements after fieldwork	21	32	16	26
Field edges/etc. chopped, mowed/etc.	24	24	19	23
Water management practices		2		2
Avoidance Practices:				
Adjust planting/harvesting dates	11	12	11	11
Rotate crops to control pests	88	62	87	71
Crop variety chosen for pest resistance	4	11	2	11
Planting locations planned to avoid pests	12	10	12	10
Monitoring Practices:				
Scouting by general observation	42	40	42	42
Deliberate scouting activities	23	24	20	19
Field was not scouted	35	37	39	38
Scouted for pests	3	4	1	3
Scouting due to pest advisory warning		1		1
Scouting due to pest development model	*	3	*	2
Scouted for weeds	63	60	59	59
Scouting for weeds was done by:				
Operator, partner, or family member	92	88	96	92
An employee		5		1
Farm supply or chemical dealer	3	5	2	6
Indep. crop consultant or comm. scout	5	2	3	2
Scouted for insects or mites	29	38	26	33
Scouting for insects or mites was done by:				
Operator, partner, or family member	84	83	91	88
An employee		8		1
Farm supply or chemical dealer	7	6	4	9
Indep. crop consultant or comm. scout	9	3	5	2
Scouted for diseases	26	30	24	27
Scouting for diseases was done by:				
Operator, partner, or family member	83	82	92	87
An employee		9		1
Farm supply or chemical dealer	7	6	4	10
Indep. crop consultant or comm. scout	9	3	4	2
Field mapping of weed problems	4	4	3	4
Soil/plant tissue analysis to detect pests	5	2	2	1
Records kept to track pests	12	6	10	6
Weather monitoring	52	53	55	53
Suppression Practices:				
Biological pesticides				
Scouting used to make decisions	4	5	3	4
Maintain ground cover or physical barriers	31	33	31	36
Adjust planting methods	6	9	4	7
Alternate pesticides with different MOA	16	13	14	14

* Percentage is less than 0.5 percent.

Oats: Number of Usable Reports 2005



Corn

Pesticides, Fertilizers, Pest Management Practices:

Nitrogen: Pennsylvania farmers applied nitrogen to 88 percent of the 1,350,000 acres of corn planted in 2005. Total nitrogen applied to corn in 2005 was 108.4 million pounds. The average rate per application was 62 pounds per acre with the average number of applications of 1.5.

Phosphate: Phosphate was applied to 64 percent of Pennsylvania's corn acres planted in 2005. Total phosphate applied to corn in 2005 was 40.7 million pounds.

Potash: Corn growers in the State applied potash to 58 percent of the 1,350,000 acres planted in 2005. The total

amount applied was 37.4 million pounds at a rate of 44 pounds per acre per crop year.

Pesticides: Herbicides were applied to 97 percent of the corn acreage planted. The herbicide Atrazine was the leading agricultural chemical applied with a total applied of 1,291,000 pounds on 87 percent of Pennsylvania's corn acreage. Insecticides were applied to 21 percent of corn acreage in Pennsylvania for the 2005 crop year. Chlorpyrifos was the most common insecticide applied to corn with a total amount applied of 128,000 pounds on 9 percent of Pennsylvania's corn acreage.

Pennsylvania: Corn - Planted Acreage, Pesticide, Percent of Area Receiving Applications and Total Applied, 2005

Crop	Planted acreage	Area receiving and total applied							
		Herbicide		Insecticide ²		Fungicide		Other	
	(1,000 acres)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)	(percent)	(1,000 lbs.)
Corn	1,350	97	3,346	21	154	-	-	-	-

Pennsylvania: Corn - Fertilizer Primary Nutrient Applications, 2005

Primary nutrient	Planted acreage	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	(1,000 acres)	(percent)	(number)	(pounds per acre)	(pounds per acre)	(million lbs.)
Corn	1,350					
Nitrogen		88	1.5	62	92	108.4
Phosphate		64	1.1	44	47	40.7
Potash		58	1.1	44	48	37.4
Sulfur		6	1.1	33	37	3.0

Pennsylvania: Corn - Agricultural Chemical Applications 2005 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	5	1.0	0.597	0.597	40
2,4-D, dimeth.salt	6	1.2	0.623	0.731	63
Acetochlor	11	1.0	1.610	1.610	234
Atrazine	87	1.0	1.063	1.096	1,291
Dicamba, Dimet.salt	5	1.0	0.194	0.194	14
Dicamba, Sodium salt	2	1.0	0.106	0.106	2
Diflufenzopyr-sodium	2	1.0	0.042	0.042	1
Glyphosate iso. salt	28	1.1	0.766	0.832	319
Isoxaflutole	5	1.0	0.062	0.062	5
Mesotrione	26	1.0	0.136	0.136	47
Metolachlor	3	1.0	1.217	1.217	49
Nicosulfuron	13	1.0	0.020	0.020	4
Paraquat	9	1.0	0.458	0.458	54
Pendimethalin	26	1.0	0.928	0.928	324
Rimsulfuron	13	1.0	0.011	0.011	2
S-Metolachlor	48	1.0	1.220	1.220	783
Simazine	1	1.0	1.123	1.123	14
Insecticides					
Chlorpyrifos	9	1.0	1.018	1.018	128
Cyfluthrin	2	1.4	0.009	0.013	²
Lambda-cyhalothrin	2	1.0	0.014	0.014	²
Tefluthrin	7	1.0	0.097	0.097	9

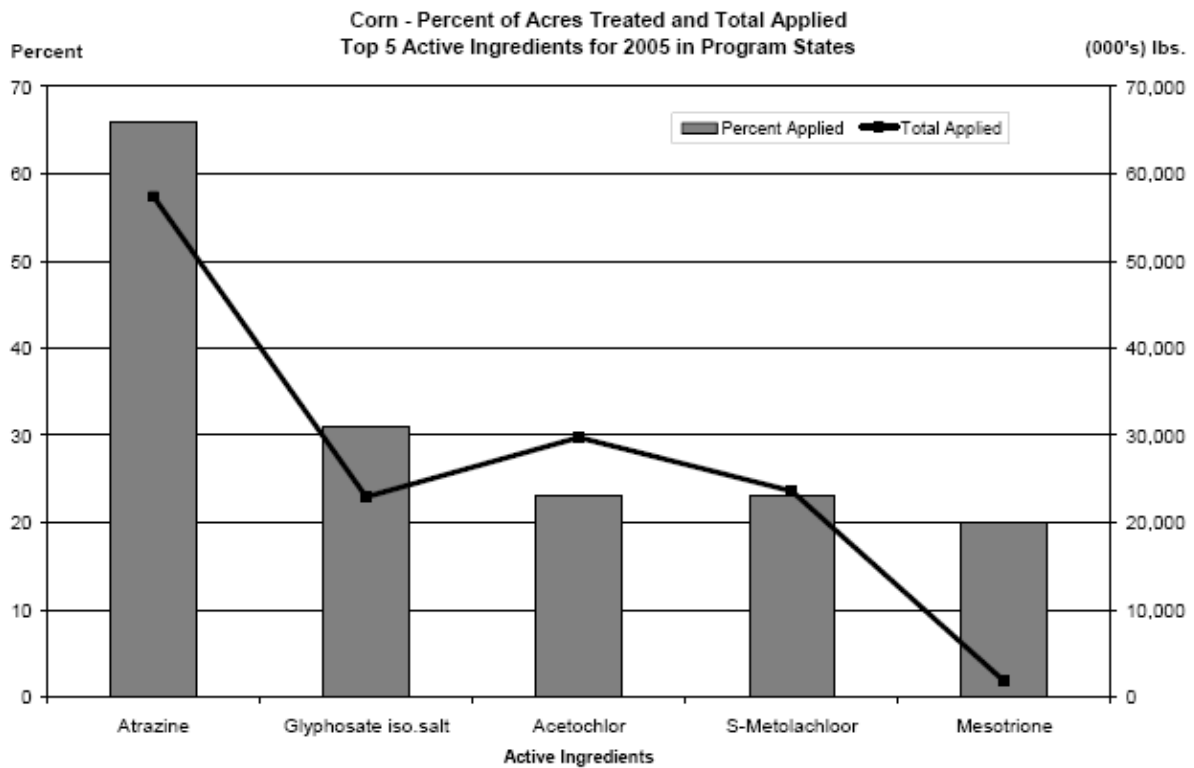
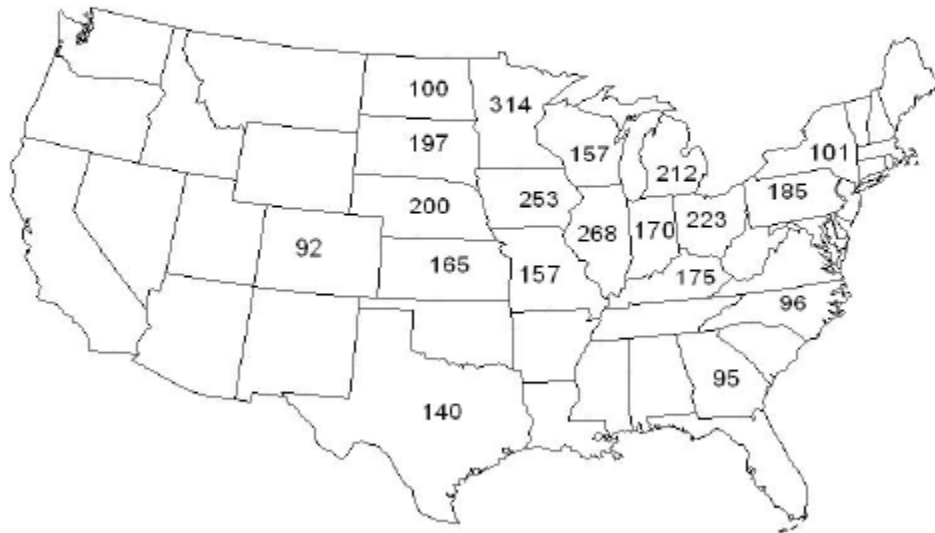
¹ Planted acres in 2003 for Pennsylvania were 1.4 million acres. ² Total applied is less than 500 lbs.

Pennsylvania: Pest Management Practices - Percent of Acres Receiving Practice and Percent of Farms Receiving Practice for Corn, 2005

Practice	Percent of acres receiving practice		Percent of farms receiving practice	
	PA	US	PA	US
	(percent of acres)	(percent of acres)	(percent of farms)	(percent of farms)
Prevention Practices:				
No-till or minimum till used to manage pests	68	62	63	61
Plow down crop residue	31	22	37	24
Remove crop residue	14	4	16	6
Clean implements after fieldwork	33	35	30	33
Field edges/etc. chopped, mowed/etc.	45	44	39	41
Water management practices	2	3	3	2
Avoidance Practices:				
Adjust planting/harvesting dates	4	10	5	9
Rotate crops to control pests	71	80	71	79
Crop variety chosen for pest resistance	51	52	42	44
Planting locations planned to avoid pests	11	16	15	14
Monitoring Practices:				
Scouting by general observation	39	41	46	42
Deliberate scouting activities	43	50	43	45
Field was not scouted	18	9	11	13
Scouted for pests	12	17	14	14
Scouting due to pest advisory warning	1	9	3	7
Scouting due to pest development model	8	8	10	7
Scouted for weeds	82	90	89	86
Scouting for weeds was done by:				
Operator, partner, or family member	79	79	78	81
An employee	1	1	2	1
Farm supply or chemical dealer	8	9	7	10
Indep. crop consultant or comm. scout	12	11	13	8
Scouted for insects or mites	49	67	53	59
Scouting for insects or mites was done by:				
Operator, partner, or family member	75	74	73	77
An employee	1	1	3	1
Farm supply or chemical dealer	7	10	4	11
Indep. crop consultant or comm. scout	16	15	20	11
Scouted for diseases	37	49	36	43
Scouting for diseases was done by:				
Operator, partner, or family member	73	71	69	75
An employee	1	1	4	1
Farm supply or chemical dealer	8	10	4	11
Indep. crop consultant or comm. scout	18	19	23	13
Field mapping of weed problems	11	11	14	10
Soil/plant tissue analysis to detect pests	6	5	3	4
Records kept to track pests	17	21	18	17
Weather monitoring	63	61	60	58
Suppression Practices:				
Biological pesticides	4	7	4	5
Scouting used to make decisions	17	23	20	18
Maintain ground cover or physical barriers	44	42	49	42
Adjust planting methods	6	14	8	12
Alternate pesticides with different MOA	29	29	23	28

* Percentage is less than 0.5 percent.

Corn: Number of Usable Reports 2005



Agricultural Chemical Usage, 2009

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 2009 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 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 2009. 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.

Herbicides were applied to 37 percent of the total bearing acres of apples in Pennsylvania. A total of 16,200 pounds were applied to that acreage. The active ingredient most commonly used on apples was Paraquat with a total application of 5,000 pounds. It was applied to 24 percent of the bearing acreage, with an average of 1.6 applications made at a rate of 0.569 pounds per acre. Thirty percent of the total bearing acres of peaches were treated by herbicides. A total of 2,600 pounds was applied. The active ingredient most commonly used on peaches was Paraquat, also, with a total application of 1,000 pounds. It was applied to 22 percent of the bearing acreage, with an average of 1.5 applications made at a rate of 0.49 pounds per acre.

Insecticides were applied to 81 percent of Pennsylvania's bearing apple acreage. A total of 220,800 pounds was applied. Petroleum Oil was the active ingredient used in the largest volume with a total of 87,000 pounds was applied, while azinphos-methyl was the insecticide most commonly used, applied to 49 percent of the bearing acreage. Seventy-one percent of total bearing acres of peaches were treated by insecticides. A total of 17,500 pounds was applied. The active ingredient most commonly used on peaches was Phosmet, with a total application of 7,000 pounds. It was applied to 43 percent of the bearing acreage, with an average of 3.9 applications made at a rate of 0.997 pounds per acre.

Fungicides were applied to 84 percent of the state's bearing apple acreage. A total application of 248,400 pounds was made. Captan was the most commonly used active ingredient with 111,000 pounds of the chemical applied to 73 percent of all bearing acres. An average of 7.7 applications was made at a rate of 0.932 pounds per acre. Eighty-three percent of the total bearing acres of peaches were 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 35,000 pounds applied, while captan was the fungicide most commonly used, applied to 59 percent of the total bearing acreage.

Other chemicals were applied to 61 percent of bearing apple acreage in the state. A total of 2,500 pounds was applied. Ethephon and spiroadiclofen were the active ingredients used in the largest volume (1,000 pounds each), while NAA, sodium was the most commonly used, applied to 29 percent of the bearing acreage.



Pennsylvania and Program States ^{1 2}: Apples – Fertilizer Primary Nutrient Applications, 2009

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 ³										
Nitrogen	49	67	3.7	2.2	5	16	19	36	(Z)	7,000
Phosphate	24	33	2	2.1	10	7	19	16	(Z)	1,000
Potash	29	34	1.7	1.7	18	23	30	38	(Z)	3,000

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 Data for sulfur is withheld from the table to avoid disclosing data for individual farms.

Pennsylvania and Program States ^{1 2}: Apples – Agricultural Chemical Applications, 2009

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.)	
Herbicides ³										
2,4-D, dimethylamine salt	12	9	1.4	1.2	0.599	0.852	0.847	1.049	2	27
Diuron	9	5	1.1	1.2	1.159	1.368	1.261	1.587	2	21
Flumioxazin	1	1	1	1.1	0.292	0.246	0.292	0.276	(Z)	(Z)
Glyphosate isopropylamine salt	11	33	1.1	1.3	0.597	1.045	0.647	1.307	2	122
Paraquat	24	12	1.6	1.4	0.569	0.929	0.913	1.277	5	43
Pendimethalin	14	6	1.1	1.1	0.959	1.92	1.024	2.153	3	39
Simazine	7	8	1	1.4	1.03	1.421	1.059	1.961	2	42
Insecticides ⁴										
Abamectin	8	6	1.4	1.1	0.006	0.01	0.008	0.011	(Z)	(Z)
Acetamiprid	41	23	2.3	1.6	0.066	0.112	0.151	0.177	1	12
Azinphos-methyl	49	38	3	2	0.374	0.782	1.125	1.553	12	166
Benzoic acid	25	14	2.3	1.4	0.1	0.195	0.225	0.265	1	10
Carbaryl	34	51	1.2	1.4	0.786	1.206	0.96	1.707	7	248
Chlorantraniliprole	33	32	1.9	1.4	0.028	0.073	0.053	0.104	(Z)	10
Chlorpyrifos	37	42	1.4	1.2	0.638	1.419	0.883	1.707	7	201
Diazinon	3	7	1.3	1.2	0.873	1.661	1.148	1.917	1	36
Esfenvalerate	19	10	2.1	1.4	0.026	0.036	0.056	0.052	(Z)	1
Etoxazole	1	4	1.4	1.1	0.038	0.099	0.054	0.11	(Z)	1
Fenpropathrin	9	5	1.5	1.5	0.096	0.231	0.147	0.346	(Z)	5
Flubendiamide	13	2	2.8	2.2	0.046	0.067	0.128	0.145	(Z)	1
Gamma-Cyhalothrin	2	2	1.5	1.9	0.006	0.017	0.009	0.033	(Z)	(Z)
Imidacloprid	29	37	2.3	1.4	0.02	0.062	0.046	0.084	(Z)	9
Indoxacarb	9	3	2.5	2	0.033	0.083	0.081	0.168	(Z)	2
Lambda-Cyhalothrin	16	10	3.3	2.1	0.011	0.027	0.036	0.056	(Z)	2
Methomyl	2	3	1.6	1.3	0.345	0.695	0.568	0.928	(Z)	8
Permethrin	3	1	1.5	1.5	0.205	0.15	0.305	0.22	(Z)	1
Petroleum Distillate	17	48	1.8	1.9	10.929	16.221	19.177	30.634	69	4,217
Petroleum Oil	23	5	1.6	1.5	10.971	10.893	17.642	15.924	87	227
Phosmet	31	19	3.5	2.2	0.866	1.483	2.995	3.191	19	172
Spinetoram	34	35	2.6	1.5	0.03	0.083	0.077	0.125	1	12
Thiacloprid	5	18	2.4	1.4	0.056	0.162	0.137	0.227	(Z)	12
Fungicides ⁵										
Basic copper sulfate	21	10	1.3	1.2	0.823	1.243	1.05	1.548	5	44
Boscalid	9	13	1.7	1.3	0.007	0.013	0.012	0.017	(Z)	1
Calcium Polysulfide	2	29	6.4	1.3	0.952	12.845	6.091	17.106	2	1,423
Captan	73	33	7.7	6.7	0.932	1.82	7.209	12.177	111	1,146
Copper oxychloride sulfate	2	1	1.7	1.1	0.354	0.591	0.613	0.632	(Z)	2
Copper oxychloride	18	7	1.1	1.3	2.648	2.33	2.977	2.933	11	55
Copper sulfate	18	3	1.1	1.1	0.621	0.939	0.681	1.063	3	8
Cyprodinil	33	13	1.9	1.6	0.101	0.158	0.198	0.259	1	10
Difenoconazole	32	13	2.7	1.7	0.031	0.056	0.085	0.096	1	4
Fenarimol	3	12	2.2	1.4	0.045	0.068	0.101	0.093	(Z)	3
Fenbuconazole	17	6	2	1.8	0.068	0.09	0.138	0.164	1	3
Kresoxim-methyl	46	15	3	2	0.054	0.11	0.164	0.219	2	10
Mancozeb	63	36	5	3.6	1.075	2.345	5.337	8.451	71	856
Metiram	12	5	2.4	4.3	1.113	2.926	2.617	12.525	7	184
Myclobutanil	19	32	2.4	1.6	0.088	0.113	0.208	0.18	1	17
Phosphorous acid	9	2	4.2	2.7	0.366	1.051	1.551	2.849	3	19
Pyraclostrobin	9	13	1.7	1.3	(Z)	0.003	0.001	0.004	(Z)	(Z)
Streptomycin	10	11	1.7	1.9	0.108	0.164	0.182	0.308	(Z)	10
Streptomycin sulfate	14	5	1.8	1.8	0.115	0.15	0.202	0.271	1	4
Sulfur	12	36	2	1.9	2.714	5.144	5.427	9.615	14	976
Thiophanate-methyl	44	18	4.1	2.9	0.177	0.363	0.717	1.063	7	54
Trifloxystrobin	27	30	2	1.5	0.042	0.063	0.082	0.095	1	8
Triflumizole	1	35	1.5	1.4	0.265	0.299	0.391	0.419	(Z)	41
Ziram	7	10	3.3	2.2	1.397	2.777	4.546	6.043	7	172
Other Pesticides ⁶										
Benzyladenine	16	21	1.2	1.4	0.039	0.038	0.046	0.053	(Z)	3
Butenoic acid hydrochloride	6	12	1	1.1	0.07	0.086	0.07	0.094	(Z)	3
E-8-Dodecenyl acetat	12	3	1.9	1.3	0.002	0.003	0.004	0.004	(Z)	(Z)
Ethephon	23	19	2.2	1.4	0.1	0.437	0.224	0.594	1	32
Gibberellic acid	1	2	2.8	1.9	0.014	0.023	0.039	0.045	(Z)	(Z)
Gibberellins A4A7	8	18	1.6	1.3	0.009	0.038	0.014	0.049	(Z)	2
NAA, sodium	29	14	1.4	1.6	0.009	0.011	0.013	0.018	(Z)	1
Prohexadione calcium	9	23	3.9	1.5	0.045	0.232	0.176	0.349	(Z)	23
Spirodiclofen	14	11	1.5	1.2	0.108	0.226	0.163	0.266	1	9
Z-8-Dodecen acetate	12	3	1.9	1.3	0.031	0.043	0.058	0.057	(Z)	(Z)

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 herbicides were withheld from the table to avoid disclosing data for individual farms: 2,4-D, Carfentrazone-ethyl, Glufosinate-ammonium, Glyphosate, Glyphosate ammonium salt, Glyphosate potassium salt, Norflurazon, Oxyfluorfen, Pebulate, Rimsulfuron, Terbacil ⁴ The following insecticides were withheld from the table to avoid disclosing data for individual farms: Azadirachtin, Bifenazate, Bifenthrin, BT subspecies kurstaki, Clofentezine, Cyd-X granulo. virus, Cyfluthrin, Emamectin benzoate, Endosulfan, Fenpyroximate, Fonofos, Hexythiazoxn, Kaolin, Novaluron, Malathion, Methidathion, Oxamyl, Pyridaben, Pyriproxyfen, Spinosad, Spirotetramat, Thiamethoxam ⁵ The following fungicides were withheld from the table to avoid disclosing data for individual farms: Bacillus subtilis, Benomyl, Chlorothalonil, Copper hydroxide, Dodine, Mefenoxam, Pyrimethanil, Tebuconazole, Thiram, Triphenyltin hydroxide.

⁶ The following other pesticides were withheld from the table to avoid disclosing data for individual farms: Chlorophacinone, Dodecadien, Dodecanol, Hydrogen Peroxide, NAA, NAA, potassium salt, Tetradecanol, Z-8-Dodecanol.

Pennsylvania and Program States ^{1 2}: Peaches – Fertilizer Primary Nutrient Applications, 2009

Primary Nutrient	Area Applied		Applications		Rate per Application		Rate per CropYear		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 ³										
Nitrogen	75	80	1.8	1.7	16	47	29	79	(Z)	6,000
Phosphate	29	23	1.8	1.3	12	26	22	33	(Z)	1,000
Potash	39	43	1.7	1.3	16	50	28	66	(Z)	2,000

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 Data for sulfur is withheld from the table to avoid disclosing data for individual farms.

Pennsylvania and Program States ^{1 2 3}: Peaches – Agricultural Chemical Applications, 2009

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.)	
Herbicides ⁴										
2,4-D	5	(Z)	1	1	0.186	0.186	0.186	0.186	(Z)	(Z)
2,4-D, dimethylamine salt	8	16	1.1	1.4	0.587	0.801	0.626	1.149	(Z)	18
Diuron	5	16	1	1.2	0.864	1.752	0.864	2.078	(Z)	33
Glyphosate isopropylamine salt	7	35	1.1	1.5	0.539	0.881	0.594	1.323	(Z)	46
Norflurazon	4	2	1	1	0.94	1.666	0.94	1.666	(Z)	4
Paraquat	22	24	1.5	1.5	0.49	0.573	0.749	0.854	1	20
Pendimethalin	12	5	1	1.2	1.086	1.639	1.086	1.895	1	9
Simazine	7	10	1.1	1.7	1.244	1.776	1.33	3.029	(Z)	29
Insecticides ⁵										
Acetamiprid	14	2	1.7	1.4	0.084	0.104	0.143	0.15	(Z)	(Z)
Azinphos-methyl	2	1	1.4	2.1	0.508	0.737	0.717	1.548	(Z)	2
Carbaryl	21	7	1.7	1.2	1.188	1.728	2.054	2.114	2	15
Chlorpyrifos	6	24	1.1	1.4	1.279	1.553	1.407	2.198	(Z)	51
Cyfluthrin	16	16	2.4	3.6	0.024	0.037	0.057	0.134	(Z)	2
Endosulfan	4	1	2.3	2.5	0.457	0.58	1.067	1.462	(Z)	2
Esfenvalerate	25	51	2.2	2.7	0.021	0.048	0.046	0.126	(Z)	6
Fenpropathrin	6	1	2.4	1.9	0.125	0.181	0.296	0.349	(Z)	(Z)
Imidacloprid	33	6	1.5	1.7	0.031	0.056	0.046	0.095	(Z)	1
Lambda-cyhalothrin	35	16	2.8	1.7	0.014	0.03	0.04	0.052	(Z)	1
Methomyl	9	3	1	2.5	0.398	0.818	0.417	2.061	(Z)	6
Permethrin	5	6	2.9	5.5	0.114	0.167	0.325	0.914	(Z)	6
Petroleum distillate	4	25	1	1.2	15.706	22.693	15.706	28.111	2	681
Petroleum oil	9	14	1	1.1	10.021	95959	10.021	10.971	4	151
Phosmet	43	30	3.9	2.6	0.997	1.34	3.905	3.498	7	102
Fungicides ⁶										
Basic Copper Sulfate	14	10	1.6	1.5	0.79	6.565	1.231	9.921	1	93
Boscalid	31	19	1.9	1.3	0.011	0.02	0.021	0.026	(Z)	1
Captan	59	24	5.4	5.1	1.239	1.629	6.706	8.274	17	191
Chlorothalonil	55	26	3.1	1.8	1.275	2.019	3.929	3.536	10	89
Copper hydroxide	5	28	2.1	2.1	0.234	1.157	0.491	2.483	(Z)	68
Copper oxychloride	11	1	1.2	1.2	2.809	2.741	3.32	3.172	2	5
Copper sulfate	4	4	1	1.8	0.941	1.221	0.941	2.251	(Z)	9
Fenbuconazole	46	11	2.3	2.6	0.082	0.073	0.193	0.19	(Z)	2
Myclobutanil	25	7	3.5	2.8	0.055	0.06	0.194	0.167	(Z)	1
Oxytetracycline	5	9	3	2.2	0.13	0.161	0.393	0.358	(Z)	3
Propiconazole	12	39	1.9	1.5	0.102	0.108	0.196	0.165	(Z)	6
Pyraclostrobin	32	18	2.2	1.3	0.013	0.004	0.027	0.005	(Z)	(Z)
Streptomycin sulfate	9	5	3.7	4	0.122	0.135	0.446	0.541	(Z)	3
Sulfur	46	55	5	3.9	3.461	8.369	17.244	32.331	35	1,731
Tebuconazole	14	10	1.5	1.2	0.075	0.135	0.117	0.168	(Z)	2
Thiophanate-methyl	9	10	1.9	1.3	0.468	0.82	0.901	1.099	(Z)	11
Ziram	7	20	3.4	1.4	1.8	4.83	6.093	6.668	2	130

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 All other pesticides were withheld from the table to avoid disclosing data for individual farms.

⁴ The following herbicides were withheld from the table to avoid disclosing data for individual farms: Carfentrazone-ethyl, Flumioxazin, Glyphosate ammonium salt, Glyphosate potassium salt, Rimsulfuron, Terbacil.

⁵ The following insecticides were withheld from the table to avoid disclosing data for individual farms: Azadirachtin, Benzoic acid, Beta-cyfluthrin, Bifenazate, Bifenthrin, Chlorantraniliprole, Clofentazine, Diazinon, Disodium octaborate tetrahydrate., Flubendiamide, Formetanate Hydrochloride, Gamma-cyhalothrin, Indoxacarb, Malathion, Pyridaben, Spinetoram, Spinosad, Spirotetramat, Thiamethoxam.

⁶ The following fungicides were withheld from the table to avoid disclosing data for individual farms: Bacillus subtilis, Copper oxychloride sulfate, Copper resinate, Fenarimol, Fenhexamid, Iprodione, Mancozeb, Metiram, Mono-potassium salt, Phosphorous acid, Pyrimethanil, Thiram, Triadimefon, Trifloxystrobin, Triflumizole.

Pest Management Practices – Percent of Farms & Percent of Acres Utilizing Practice, Fruit, 2009

Practice	Percent of Acres Utilizing Practice		Percent of Farms Utilizing Practice	
	PA	Program States ¹ 2009	PA	Program States ¹ 2009
Prevention Practices:				
Crop acres cultivated for weed control	12	64	13	44
Crop acres irrigated	24	90	9	76
Crop residues removed or burned down	46	47	49	44
Equipment and implements cleaned after field work to reduce spread of pests	64	77	48	57
Field edges, ditches, or fence lines were chopped, sprayed, mowed, plowed, or burned	95	78	87	66
Water management practices used	2	53	1	31
Monitoring Practices:				
Diagnostic laboratory services used for pest identification or soil or plant tissue pest analysis	47	51	10	27
Field mapping data used to assist decisions	26	35	6	19
Scouted using established process	82	67	30	35
Scouted due to a pest advisory warning	54	35	19	21
Scouted due to a pest development model	62	41	21	20
Scouted for pests or beneficial organisms	99	99	83	91
<i>By conducting general observations while performing routine tasks</i>	6	15	20	39
<i>By deliberately going to the crop acres</i>	93	84	64	52
Scouted for diseases	99	97	79	88
<i>By employee</i>	2	24	2	8
<i>By farm supply company or chemical dealer</i>	37	22	20	15
<i>By independent crop consultant or commercial scout</i>	4	17	1	10
<i>By operator, partner, or family member</i>	57	37	77	66
Scouted for insects & mites	99	97	79	88
<i>By employee</i>	2	23	2	9
<i>By farm supply company or chemical dealer</i>	37	23	20	15
<i>By independent crop consultant or commercial scout</i>	4	18	1	11
<i>By operator, partner, or family member</i>	57	36	77	65
Scouted for weeds	97	93	75	85
<i>By employee</i>	1	29	2	10
<i>By farm supply company or chemical dealer</i>	35	16	18	10
<i>By independent crop consultant or commercial scout</i>	1	12	1	7
<i>By operator, partner, or family member</i>	63	44	79	73
Weather data used to assist decisions	96	82	69	56
Written or electronic records kept to track the activity of pests	77	68	32	43
Suppression Practices:				
Beneficial organisms applied or released	14	23	10	13
Biological pesticides applied	55	39	21	29
Floral lures, attractants, repellants, pheromone traps, or biological pest controls used	79	47	25	26
Ground covers, mulches, or other physical barriers maintained	44	50	52	50
Pesticides with different mechanisms of action used to keep pest from becoming resistant to pesticides	95	73	66	44
Scouting data compared to published information to assist decisions	78	53	32	30

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.

Agricultural Chemical Usage, 2009

Vegetables – Snap Beans, Sweet Corn, Pumpkins

By Adam W. Pike

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

The following displays statistics for on-farm use of commercial fertilizers, agricultural chemicals, and integrated pest management practices from producers of targeted vegetable crops. Chemical application rates listed by active ingredient are also featured in this publication. The agricultural chemical use estimates in this report focus on the acreage treated with herbicides, insecticides, fungicides, and other pesticides for selected vegetable crops. Information is provided from a survey funded by the USDA Pesticide Data Program that targeted 23 vegetable crops and 19 states. Pennsylvania was surveyed for 3 different vegetable crops: snap beans for processing, fresh market sweet corn, and pumpkins.

Snap Beans, Processing: Growers of processed snap beans applied nitrogen to 96 percent of the crop's acreage. Phosphate and Potash were both applied to 81 percent of the acreage, while 30 percent of the acreage received sulfur applications. Herbicide applications were reported on 95 percent of the surveyed acres. The herbicides used most were **EPTC**, applied to 39 percent of the acreage, **Trifluralin**, used on 38 percent of the acreage, and **S-Metolachlor**, applied to 35 percent of the acreage. Insecticides were applied to 73 percent of the acres. Insecticides commonly used included **Bifenthrin** on 40 percent of the acreage, followed by **Acephate** and **Zetacypermethrin**, at 16 and 11 percent coverage, respectively. Fungicides were applied to 53 percent of the acres. **Thiophanate-methyl**, used on 37 percent of the acres, was the most widely used fungicide.

Corn, Sweet, Fresh: Nitrogen was applied to 95 percent of the 2006 fresh market sweet corn acreage in the following Program States: California, Colorado, Florida, Georgia, Illinois, Michigan, New Jersey, New York, North Carolina, Ohio, Oregon, Pennsylvania, Texas, and Wisconsin. Phosphate, potash, and sulfur were applied to 91, 85, and 27 percent of the acreage, respectively. Herbicides were applied to 83 percent of the fresh market sweet corn acres. **Atrazine** was used on 71 percent of the acreage, followed by **S-Metolachlor** on 39 percent.

Insecticides were applied to 88 percent of the acreage; **Lambda-cyhalothrin**, applied to 52 percent of the acreage; and **Chlorpyrifos** and **Thiodicarb** which were both applied to 23 percent of the acreage. Fungicides were used on 20 percent of the acres. The most commonly used fungicides were **Mancozeb** and **Propiconazole**, both of which were applied to 11 percent of the acreage.

Pumpkins: Nitrogen was applied to 90 percent of the pumpkin acreage in the Program States: California, Illinois, Michigan, Ohio, and Pennsylvania. Phosphate, potash, and sulfur applications were made to 63, 85, and 13 percent of the acreage, respectively. Herbicides were applied to 75 percent of the acres planted to pumpkins, while insecticide and fungicide applications were made to 79 and 75 percent of the acres, respectively. Major herbicides used included **Clomazone**, applied to 60 percent of the acreage, followed by **Ethalfuralin**, applied to 25 percent of the acreage. The more commonly used insecticides were **Bifenthrin**, **Carbaryl**, and **Endosulfan**, covering 40, 18, and 16 percent of the acreage, respectively. **Chlorothalonil** was the most widely used fungicide and was applied on 48 percent of the acreage. **Copper hydroxide** was the most utilized fungicide, applied to 28 percent of the acreage, followed by **Azoxystrobin**, on 22 percent of the acreage.

Pennsylvania: Vegetable Crops – Planted Acreage, Pesticide, Percent of Area Receiving Applications and Total Applied, 2006

Crop	Planted acreage	Area receiving and total applied							
		Herbicide		Insecticide		Fungicide		Other	
	(acres)	(percent)	(1,000 lbs)	(percent)	(1,000 lbs)	(percent)	(1,000 lbs)	(percent)	(1,000 lbs)
Snap beans, processed	10,900	93	19.7	89	2.1	41	2.9	(¹)	
Sweet corn, fresh	20,200	95	77.3	73	10.6	22	0.6	(¹)	
Pumpkins	8,500	87	16.7	90	7.7	90	30.4	(¹)	

¹ Insufficient reports to publish data for pesticide class.

Pennsylvania: Fertilizer Primary Nutrient Applications, 2006

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 Bean, Processed	10,900					
Nitrogen		98	5.9	28	164	1,755.6
Phosphate		98	6.6	39	258	2,766.3
Potash		98	5.7	43	248	2,655.7
Sulfur		36	5.0	10	48	188.9
Sweet Corn, Fresh	20,200					
Nitrogen		99	9.1	46	418	8,321.8
Phosphate		92	6.5	54	348	6,486.5
Potash		93	6.5	39	250	4,665.9
Sulfur		6	5.8	12	67	78.4
Pumpkins	8,500					
Nitrogen		88	6.4	65	413	3,085.0
Phosphate		82	5.9	68	402	2,799.9
Potash		84	5.9	68	398	2,832.7
Sulfur		4	5.0	8	40	14.2

Pennsylvania: Snap Beans, Processed – Agricultural Chemical Applications, 2006 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	13	1.0	0.539	0.539	0.7
Fomesafen	13	1.2	0.255	0.297	0.4
Glyphosate iso. salt	45	1.0	1.058	1.086	5.3
Halosulfuron	59	1.0	0.029	0.029	0.2
S-Metolachlor	88	1.0	1.023	1.071	10.2
Sethoxydim	5	1.3	0.338	0.443	0.3
Insecticides					
Acephate	21	1.1	0.591	0.629	1.5
Bifenthrin	28	1.0	0.062	0.064	0.2
Fungicides					
Boscalid	22	1.0	0.313	0.320	0.8

¹ Planted acreage in 2006 for Pennsylvania was 10,900 acres.

Pennsylvania: Sweet Corn, Fresh – Agricultural Chemical Applications, 2006 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, dimeth. Salt	2	1.0	0.505	0.505	0.2
Atrazine	70	1.1	1.524	1.666	23.4
Bentazon	2	1.0	0.654	0.654	0.3
Carfentrazone-ethyl	4	1.0	0.008	0.008	(²)
Glyphosate iso. salt	6	1.0	1.105	1.105	1.4
Halosulfuron	3	1.0	0.028	0.028	(²)
Mesotrione	25	1.0	0.121	0.121	0.6
Pendimethalin	37	1.0	1.603	1.609	12.1
S-Metochlor	62	1.7	1.815	2.998	37.4

Table continued on next page.

Pennsylvania: Sweet Corn, Fresh – Agricultural Chemical Applications, 2006 ¹ (continued)

Active ingredient	Area applied (percent)	Applications (number)	Rate per application (pounds per acre)	Rate per crop year (pounds per acre)	Total applied (1,000 lbs)
Insecticides					
Chlorpyrifos	5	1.6	0.715	1.147	1.2
Cyfluthrin	11	1.8	0.022	0.039	0.1
Endosulfan	4	1.2	0.870	1.081	0.8
Esfenvalerate	5	1.1	0.039	0.044	(²)
Lambda-cyhalothrin	56	2.5	0.027	0.068	0.8
Methomyl	20	2.2	0.381	0.831	3.3
Permethrin	9	1.8	0.131	0.239	0.4
Tebupirimphos	7	1.0	0.183	0.183	0.3
Tefluthrin	2	1.0	0.031	0.032	(²)
Thiodicarb	7	1.7	0.620	1.044	1.5
Zeta-cypermethrin	2	2.9	0.024	0.071	(²)
Fungicides					
Propiconazole	17	1.0	0.082	0.082	0.3

¹ Planted acreage in 2006 for Pennsylvania was 20,200 acres

² Total applied is less than 50 lbs.

Pennsylvania: Pumpkins – Agricultural Chemical Applications, 2006 ¹

Active ingredient	Area applied (percent)	Applications (number)	Rate per application (pounds per acre)	Rate per crop year (pounds per acre)	Total applied (1,000 lbs)
Herbicides					
Clethodim	5	1.0	0.101	0.101	(²)
Clomazone	78	1.0	0.349	0.350	2.3
Ethalfuralin	65	1.0	0.783	0.784	4.4
Glyphosate iso. salt	52	1.0	1.428	1.480	6.6
Halosulfuron	15	1.1	0.034	0.037	(²)
S-Metolachlor	10	2.4	1.032	2.455	2.1
Insecticides					
Bifenthrin	49	2.0	0.049	0.096	0.4
Endosulfan	59	1.1	0.752	0.855	4.3
Esfenvalerate	5	1.9	0.035	0.067	(²)
Imidacloprid	11	1.1	0.134	0.149	0.1
Lambda-cyhalothrin	11	2.1	0.024	0.050	(²)
Methomyl	12	2.2	0.395	0.879	0.9
Permethrin	7	2.9	0.157	0.456	0.3
Fungicides					
Azoxystrobin	16	1.5	0.153	0.234	0.3
Boscalid	52	1.1	0.015	0.017	0.1
Chlorothalonil	83	1.8	1.434	2.586	18.2
Copper hydroxide	14	1.6	0.599	0.936	1.1
Copper resinate	5	2.9	0.061	0.176	0.1
Cymoxanil	9	2.1	0.102	0.215	0.2
Famoxadone	9	2.1	0.098	0.205	0.2
Mancozeb	15	1.5	1.587	2.420	3.1
Maneb	4	1.0	1.535	1.565	0.5
Mefenoxam	4	1.5	0.839	1.269	0.4
Myclobutanil	13	2.1	0.101	0.217	0.2
Pyraclostrobin	55	2.1	0.072	0.149	0.7

¹ Planted acreage in 2006 for Pennsylvania was 8,500 acres.

² Total applied is less than 50 lbs.

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

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

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 2007 Nursery & Floriculture

By Pamela K. Kanagy

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.

This report is the third chemical use survey issued by the National Agricultural Statistics Service on nursery and floriculture crops. The publication is part of a series on "Agricultural Chemical Usage", which also provides statistics for on-farm chemical usage for field crops, fruits, livestock, and vegetables. The last chemical use survey for nursery and floriculture crops was published in 2003 for the 2002 production year. NASS collects on-farm chemical use data to enhance the quality of information used in the evaluation of issues related to agricultural chemicals. Pest management data are used to measure Integrated Pest Management (IPM) adoption levels and evaluate the impact of alternative pesticide regulations, policies, and practices. This report includes all chemical use in calendar year 2006 related to the production of nursery and floriculture crops in 6 major producing states: California, Florida, Michigan, Oregon, Pennsylvania, and Texas. There were 1,908 reports (201,631 chemical applications) summarized for the 2006 Nursery and Floriculture Chemical Use Survey.

Chemical Use Highlights: There were 374 active ingredients reported as being used by nursery and floriculture operations in the 6 Program States in 2006. A total of 5.59 million pounds of active ingredient, up 17 percent from 4.77 million in 2003, was applied in the Program States: California, Florida, Michigan, Oregon, Pennsylvania, and Texas. Fungicides accounted for 34 percent (1.89 million pounds) of the total chemicals applied. Insecticides - 18 percent (988,600 pounds); herbicides - 17 percent (984 thousand pounds); and other chemicals (growth regulators, rooting compounds, fumigants, disinfectants, etc.) accounted for 31 percent (1.78 million pounds) of the total.

The most commonly used pesticide by percent of operations within the production categories were as follows:

All Nursery: Herbicides, Simazine - 23 percent; insecticides, Carbaryl - 32 percent; Fungicides, Chlorothalonil - 63 percent; and Other Chemicals, Hydrogen peroxide and Pelargonic acid - 1 percent.

Transplants for Commercial Vegetable and Strawberry Production: Herbicides, Glyphosate, Atrazine and S-Metolachlor - 37 percent; Insecticides, Imidacloprid and Potassium salts, - 44 percent; Fungicides, Chlorothalonil - 56 percent; and Other

Chemicals, Chlormequat chloride, Daminozide, Ethephon and Paclobutrazol - 5 percent.

Nursery Propagation or Lining-out Stock: Herbicides, Glyphosate - 33 percent; Insecticides, Chlorfenapyr - 23 percent; Fungicides, Thiophanate - 7 percent.

Broadleaf Evergreens: Herbicides, Isoxaben- 82 percent; Insecticides, Acephate - 14 percent; Fungicides, Azoxystrobin, Chlorothalonil, Copper hydroxide, Copper sulfate, Fosetyl-al, Mancozeb, Phosphorous acid, Propiconazole, Thiophanate, Thionphanate-methyl - 2 percent; and Other Chemicals, Hydrogen peroxide - 2 percent.

Coniferous Evergreens: Herbicides, Glyphosate - 52 percent; Insecticides, Chlorpyrifos - 40 percent; and Fungicides, Chlorothalonil - 45 percent.

Christmas Trees: Herbicides, Glyphosate - 64 percent; Insecticides, Dimethoate - 43 percent; Fungicides, Chlorothalonil - 95 percent.

All Floriculture: Herbicides, Glyphosate iso. salt - 6 percent; Insecticides, Imidacloprid - 51 percent; Fungicides, Etridiazole - 32 percent; and Other Chemicals, Ethephon - 26 percent.

Cut Flowers: Herbicides, Glyphosate iso. salt, Isoxaben, Trifluralin - 28 percent; Insecticides, Diazinon - 35 percent; Fungicides, Chlorothalonil and Mancozeb - 40 percent; and Other Chemicals, Daminozide - 20 percent.

Flowering Plants: Herbicides, Glyphosate iso. salt- 5 percent; Insecticides, Imidacloprid - 40 percent; Fungicides, Etridiazole - 26 percent; and Other Chemicals, Ethephon - 31 percent.

Bedding Plants: Herbicides, Glyphosate iso. salt - 4 percent; Insecticides, Imidacloprid - 41 percent, Spinosad - 42 percent; Fungicides, Etridiazole - 30 percent; and Other Chemicals, Ethephon - 23 percent.

Floriculture Propagation Material: Insecticides, Cyfluthrin - 20 percent; Fungicides, Fenhexamid - 53 percent; and Other Chemicals, Ethephon - 44 percent.

Pennsylvania: Nursery - Number of Operations by Gross Value of Sales, 2006

\$10,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$1,999,999	\$2,000,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more	Total Operations
351	71	31	19	11	11	4	-	498

Pennsylvania: Floriculture - Number of Operations by Gross Value of Sales, 2006

\$10,000 to \$19,999	\$20,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$499,999	\$500,000 or more	Total	Expanded wholesale value ¹
91	128	50	244	165	52	730	170,706

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 or 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: Active Ingredient - Total Applied by Production Category and Pesticide Class, 2006 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	42.3	40.6	0.8	0.1	14.3	2.5
Insecticides	52.8	51.5	0.2	0.3	6.1	9.2
Fungicides	33.3	31.3	0.5	0.4	7.0	0.1
Other chemicals	2.4	0.4	--	*	--	*
All	130.8	123.8	1.4	0.8	27.4	11.9

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	3.3	3.8	-	14.3	1.7	*
Insecticides	1.7	1.4	*	32.0	1.2	*
Fungicides	0.1	0.1	*	21.9	2.1	0.3
Other chemicals	--	0.3	--	--	2.0	*
All	5.1	5.6	*	68.2	7.0	0.4

Pesticide class	Production category					
	Flowering Plants	Bedding plants	Foliage plants	Floriculture propagation material	Herbaceous perennials	Non-production areas
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Herbicides	0.1	1.2	0.4	--	*	2.1
Insecticides	0.2	0.5	0.1	*	0.3	*
Fungicides	0.5	1.0	0.1	*	0.2	*
Other chemicals	0.2	1.5	*	0.3	--	*
All	0.9	4.2	0.5	0.3	0.5	2.1

* 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, Pyrocid 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, Dagnet, 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 Larvacide 97.3%, Rabon 7.76 Oral Larvacide 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

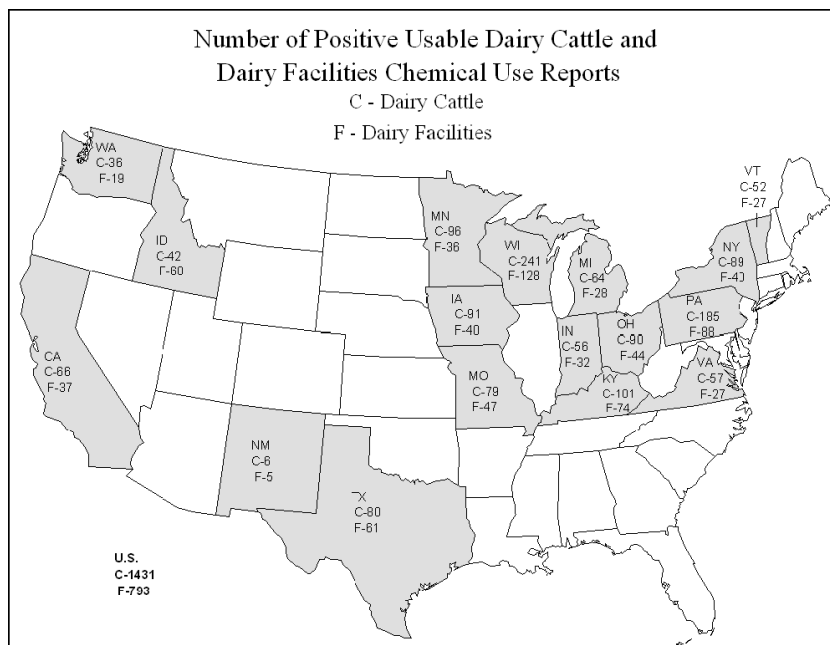
Cyfluthrin – Tempo 20 WP, Countdown WP Premise Insecticide, Tempo2, Temp 2% Dust, Countdown EC Premise, Temp SC Ultra, CyLence Pour-On, Prozap CyLence Animal Insecticide Dust

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

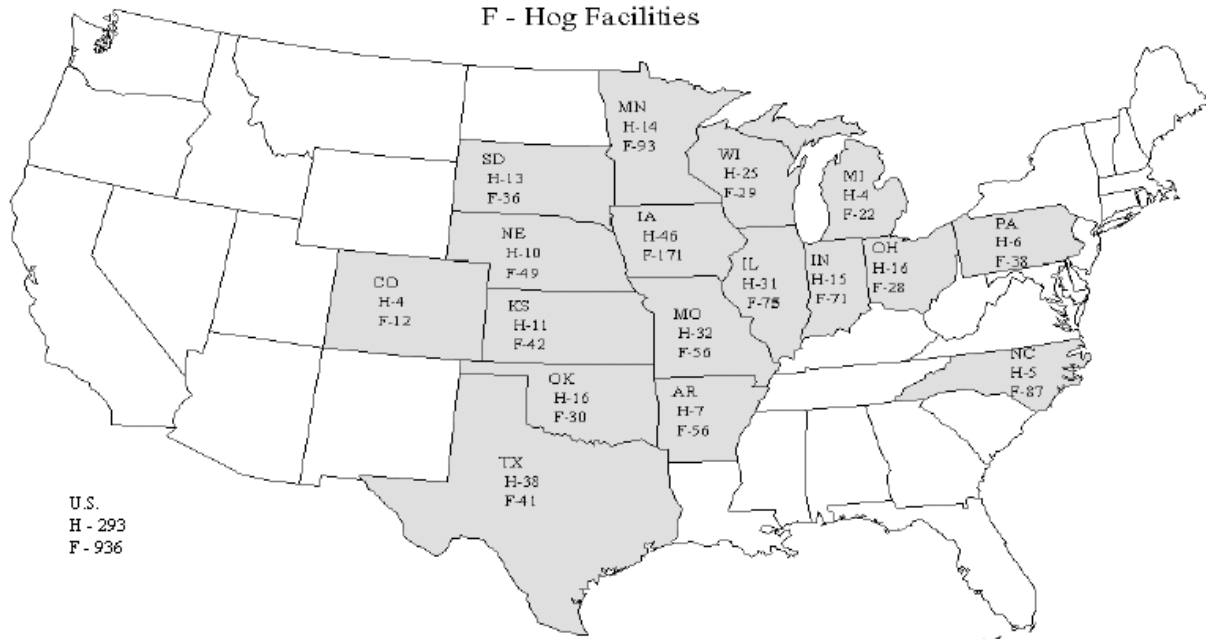
Imidacloprid – QuickBayt Fly Bait

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 (grams per head)	Rate per market year (grams per head)	Total applied (pounds)
Insecticides:			
Amitraz	0.751	2.344	637
Carbaryl	*	*	*
Coumaphos	*	*	*
Cyfluthrin	*	*	*
Dichlorvos	*	*	*
Dormectin	0.012	0.013	6
Ivermectin	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	*
Butoxypolypropylene 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.

2006 Farm and Ranch Safety

By Pamela K. Kanagy

There were an estimated 2.5 million tractors in use on farms in the United States (U.S.) that were equipped with Roll-Over Protective (ROPS) in 2006. This represented 59 percent of the tractors used on U.S. farms. This finding was based on a random telephone survey of 25,000 farm operations conducted by the National Agricultural Statistics Service (NASS) for the National Institute for Occupational Safety and Health (NIOSH), an agency of the Centers for Disease Control and Prevention. Farm operators were asked questions about farm tractors and other safety and health issues associated with their farm in 2006. These issues ranged from questions about tractors and other machinery used on their operations in 2006 to the use of hearing protection and other protective equipment used by farm operators while working on their farms.

Farms or ranches located in the South region (see table 1) of the U.S. reported the highest percentage of tractors with ROPS protection (65 percent), followed by the West, which reported 60 percent of their tractors being protected by a ROPS, and the Midwest with 56 percent of tractors having a ROPS. The lowest use of ROPS was found in the Northeast at 51 percent. ROPS represent the best available protection to tractor operators from serious or fatal injuries in the event of a tractor overturn. There were an estimated 6,700 tractor rollovers in the U.S. between September of 2005 and September of 2006 based on this study. The majority of these overturn events (4,200) involved tractors with no ROPS.

About 900,000 operators had all-terrain vehicles (ATVs) on their operations, for a total of 1.2 million ATVs, with the majority of the ATVs (1.1 million) being used for farm work tasks at least some of the time by the farm operator. For other farm machinery, the study asked farm operators about the presence of guards and shields on the implements. For power take-off driveline shields, farm operators reported that 93 percent of hay balers on their farming operations in 2006 had the shield in place. For brush-cutting mowers, 86 percent were reported to have the PTO driveline shield in place, while 84 percent of sickle bar-type mowers were reported to have these shields.

Only 40,000 operators were estimated to have manure pits on their operation in 2006, accounting for 57,000 manure pits in total. Of the farm operators with manure pits, 63 percent reported never entering the pits during the 12-month period prior to this study, while 19 percent reported entering the pit 1-5 times, with 19 percent stating they entered their pit 6 or more times in the previous 12 months. About 60 percent of the manure pit openings were covered with

grates, concrete lids, or some other type of guarding. Only 35 percent of the manure pits were reported to be equipped with powered ventilation systems.

For farm structures, the survey estimated 430,000 operators used tower silos on their farms. These farms accounted for 1.5 million silos, for an average of 3.4 silos per operation. About 90,000 of these tower silos were the oxygen-limiting type. Nearly 1.1 million (75 percent) of the silos had permanent external ladders attached to them; however, only 360,000 (33 percent) had restricted access (padlock on the ladder entry or pull down ladder system to enter the ladder cage) to these attached ladders. Enclosed cage system ladders comprised 22 percent (250,000) of the total attached ladders.

Nearly 980,000 farming operations had underground power lines. Of these operations, about one-third (320,000) reported all of their power lines were underground. An additional 30 percent (290,000) reported that around half of their power lines were underground, with the remaining farms (37 percent) reporting less than half of their power lines being underground.

Portable PTO-driven grain augers have been identified as serious hazards due to both contact with overhead power lines and for PTO and chute guarding issues.

Operators on 270,000 farms reported having 420,000 portable PTO-driven grain augers. The average auger height when fully extended was 41 feet, with the highest auger height reported of 120 feet. About 40 percent of all augers were 20-39 feet; 26 percent between 40-59 feet; 24 percent 60 feet or higher; and 10 percent less than 20 feet in height. Farm operators reported that 92 percent of the augers had the intake chute guard and 92 percent had the PTO shaft driveline guard.

On questions related to personal protective equipment use, only 37 percent (780,000) of the operators reported using a respirator or dust mask on their operations during the 12-month period prior to this study. The most common reason given for using a respirator or dust mask was for working in dusty environments (550,000 positive responses). With regards to noise exposure, 1.3 million (64 percent) farm operators reported working around loud noise on their operation at some point during the 12 months prior to the study. Of these operators self-reporting exposure to loud noise, 880,000 (66 percent) responded that they wore ear plugs or ear muffs at least some of the time while working in these noisy environments.

Table 1 - 2006 Farm and Ranch Safety Survey

Region ²	Tractors			ATVs	Manure Pits	Tower Silos	Underground Power Lines
	Total	ROPS	% ROPS				
Northeast	302,000	155,000	51	57,000	6,000	54,000	47,000
South	1,432,000	932,000	65	478,000	8,000	198,000	327,000
Midwest	1,970,000	1,099,000	56	480,000	38,000	1,067,000	456,000
West	532,000	319,000	60	220,000	6,000	142,000	151,000
U.S.	4,236,000	2,505,000	59	1,236,000¹	57,000¹	1,463,000¹	980,000¹

¹ Estimates do not add to total due to rounding.

² Northeast CT, ME, MA, NH, NJ, NY, PA, RI, and VT.
 South AL, AR, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, and WV.
 Midwest IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI.
 West AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, UT, WA, and WY.

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 – 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

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

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).

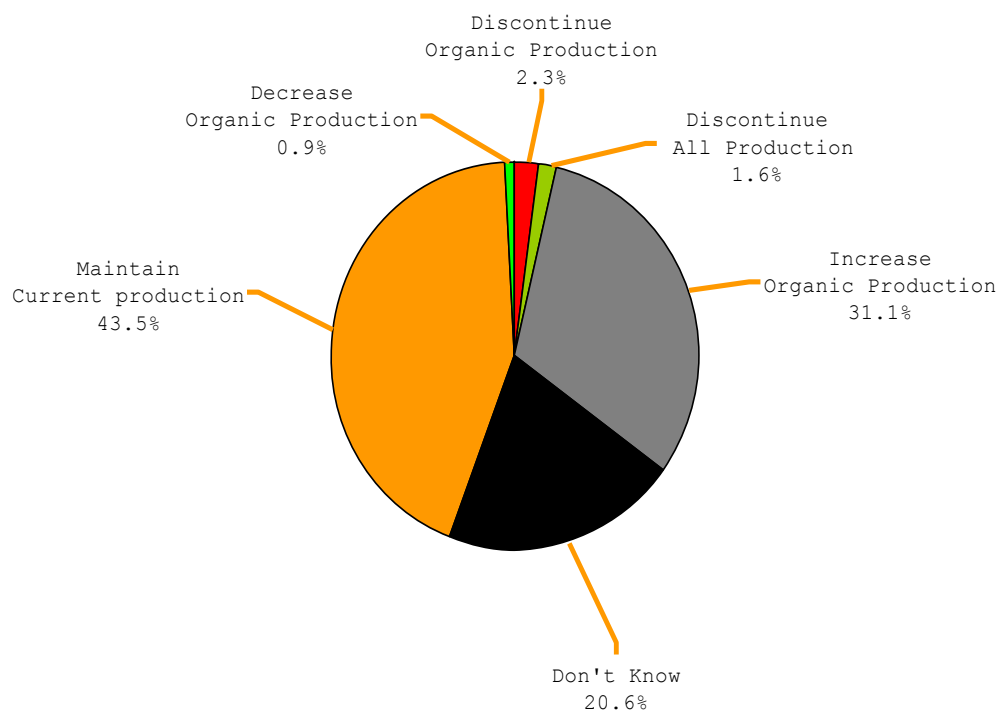
Marketing Outlets

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.

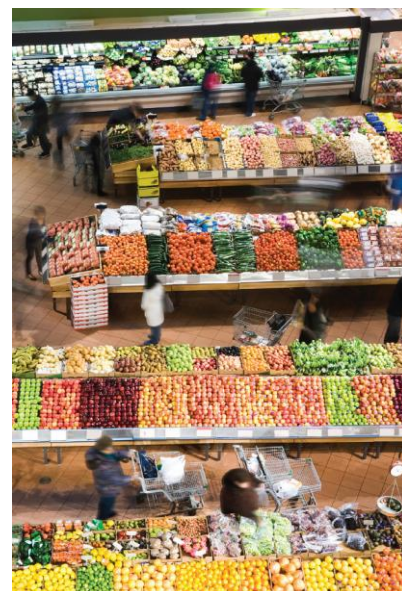
Most producers sold their organic products locally. More than 61 percent reported selling within 100 miles of the farm, while 28 percent reported selling regionally (more than 100 miles but less than 500 miles from the farm). Another 11 percent reported selling nationally (500 or more miles from the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

By Pamela K. Kanagy

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.



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
Information:	1-800-727-9540	202-694-5050	202-720-8651
Address:	Rm 5805 South Building 1400 Independence Ave., S.W. Washington, D.C. 20250-2000	1800 M Street, NW Washington, D.C. 20036-5831	Rm 5143 South Building 1400 Independence Ave., S.W. Washington, D.C. 20205-2000
FAX:	202-690-2090	202-694-5689 Autofax to retrieve data: 202-694-5700	202-720-4043
E-mail:	nass@nass.usda.gov nass-pa@nass.usda.gov nass-xx@nass.usda.gov (xx is the state abbreviation)	service@ers.usda.gov	apeterlin@oce.usda.gov
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 site for telephone numbers and E-mail addresses: Statistics from USDA, NASS www.nass.usda.gov Economists in USDA, ERS www.ers.usda.gov/AboutERS/Specialists/			
Canadian Ag Statistics: For Customer Service at the Agriculture Division of Statistics Canada, Call 1-800-263-1136 ~ 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"/>	980	KEYSTONE AG DIGEST -- issued bi-monthly. Contains information relating to livestock, dairy, poultry, crops, prices, stocks, farm numbers, etc.	\$12.00
<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
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National Reports Available

National Agricultural Statistics Service, USDA - - - Washington, D.C.

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NASS Reports Arranged by Title ¹

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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.

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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.

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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

