COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF AGRICULTURE | GEORGE D. GREIG, SECRETARY

February 2013

Dear Friend of Pennsylvania Agriculture:

Since the first person sowed the first seed and harvested the first crop, agriculture has been the foundation of every civilization. It remains the world's most important industry, and the numbers within this report tell its story. The numbers are a reflection of the work of more than 62,000 Pennsylvania farm families who produce affordable food, fiber and fuel. They show how Pennsylvania is a national leader in the production of important agriculture products. They underscore the significance of the agriculture industry to the state's economy.

Pennsylvania's agriculture receipts are valued at $6.7 billion. Led by Chester County, the state ranks first nationally in mushroom production, with mushroom farmers growing 62 percent of the Agaricus mushrooms produced in the United States. Our fruit growers produce more than $79.7 million worth of apples and wine grapes valued at $5.7 million each year. We are a dairy powerhouse, with about 541,000 head of cows producing 10.6 billion pounds of milk. Pennsylvania also ranks in the top five nationally in trout, pumpkin, Christmas tree and egg production.

This is just a sample of the useful information in this report, representing most segments of Pennsylvania's diverse agriculture industry. The numbers found within these pages will help farmers and agribusinesses plan and make important business decisions. Others in the industry will utilize these reports to advocate for agriculture. At the Pennsylvania Department of Agriculture, we will use this report to make policy decisions and create programs that keep farmers farming.

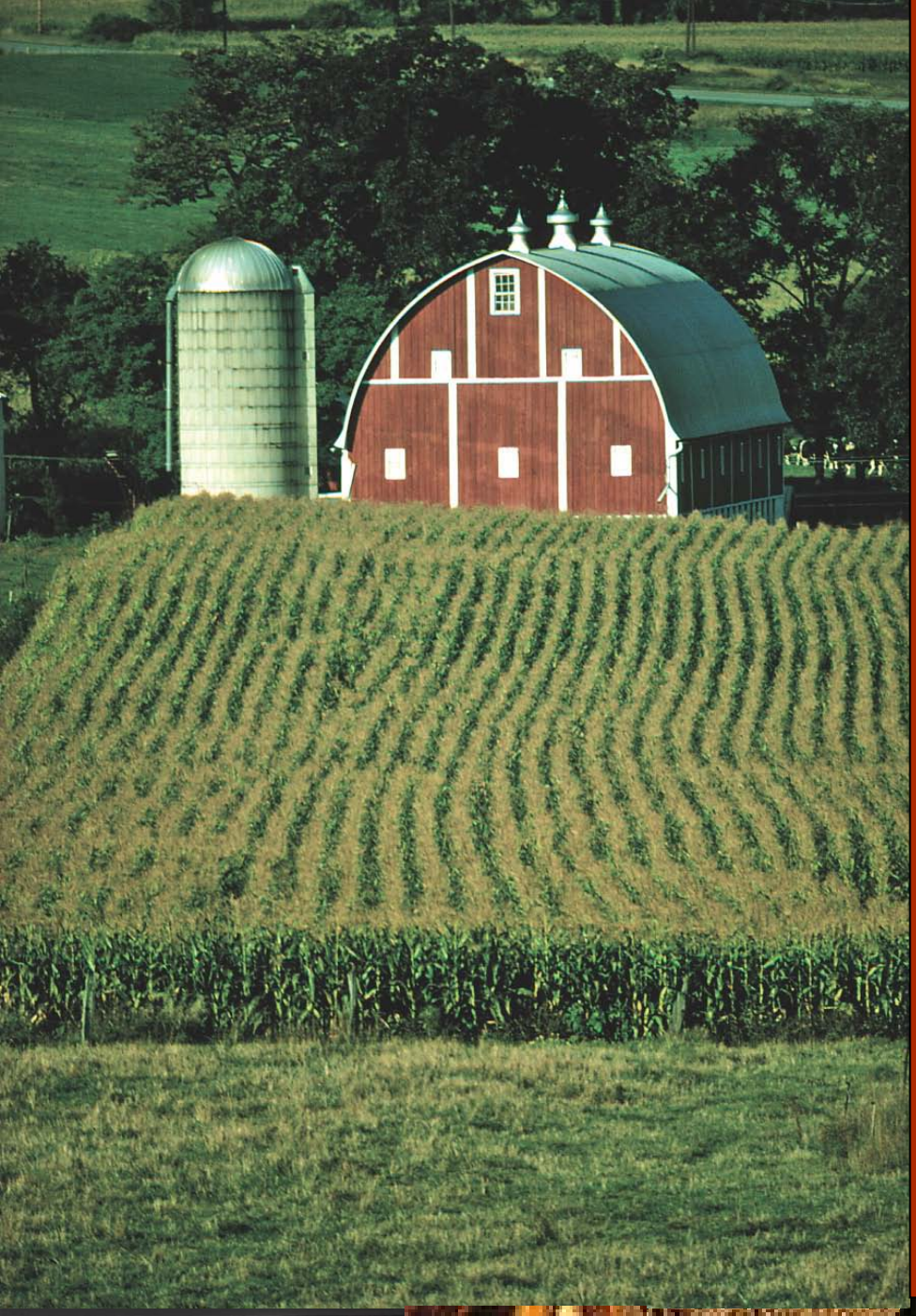
The Pennsylvania Department of Agriculture is proud to support the mission and work of the Pennsylvania Office of the National Agricultural Statistics Service – its administration, statisticians, technicians, enumerators and clerical staff. It is through their commendable efforts that we have this accurate and detailed portrait of Pennsylvania's leading economic driver.

Thank you for your continued support in ensuring the success of Pennsylvania's agriculture industry.

Sincerely,

George D Greig

George D. Greig
Secretary



# *Pennsylvania* Agricultural Statistics

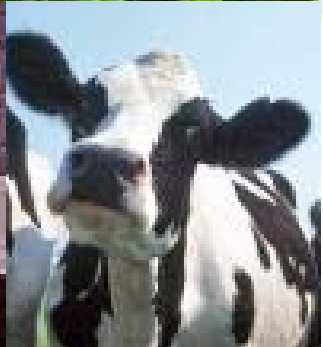
2011-2012











# Pennsylvania Agricultural Statistics 2011-2012

Commonwealth of Pennsylvania
Tom Corbett, Governor

*Issued cooperatively by:*

**COMMONWEALTH OF PENNSYLVANIA**
PENNSYLVANIA DEPARTMENT OF AGRICULTURE
George D. Greig, *Secretary*

**UNITED STATES DEPARTMENT OF AGRICULTURE**
Tom Vilsack, *Secretary*
**NATIONAL AGRICULTURAL STATISTICS SERVICE**
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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**~~ Farm Photos on Cover ~~**

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

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

# Pennsylvania Agricultural Statistics

# 2011-2012

Compiled and issued by USDA's
National Agricultural Statistics Service, PA Field Office

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

Sherry Deane
Julie Donahoe
Jack Doney, Jr.
Tyler Heep
Diane Keefer
Mark Linstedt
Brent Nice - Intern
**Chanda Pearson** - State
Adam Pike
Jillayne Weaber
Clarence White

---

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

Autumn Bagley
Daris Beitzel
Karen Bolze
Thomas Brant
Audrey Bronson
Doris Brown
Heather Clark
Cindy Conley
Marilyn Dugan
Kenneth Estep
Jacquelyn Everitt
Perry Falls
Phyllis Gross
Jennifer Harrold
Carol Harvey
Joseph Hassinger
Michael Hollabaugh
Dorothy Houtz
Kevin Howe
Thomas Kerr
Douglas Kogel
Mary Lambert
Franklin Law
M. Anne Law

NASDA

David Livermore
Alyce Marshall
John Martin
Dorothy Maynard
Frederick Miller
Linda Miller
Paul Miller
Ardeth Minor
Carolyn Moyer
Stanley Palmer
Kim Pierce
Elizabeth Ridgeway
Joan Rinker
Margaret Robertson
Lee Ann Scarpino
Jay Schaeffer
Frederick Schmidt
William Scouten Jr.
Glenn Seidel
Marianna Sokol
Elsie Tagg
Kathryn Thomas
Crystal Walther
Mary Washok
Janet Whited
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

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

# County and State Ag Statistics

## *How to get the most recent information from the Internet*

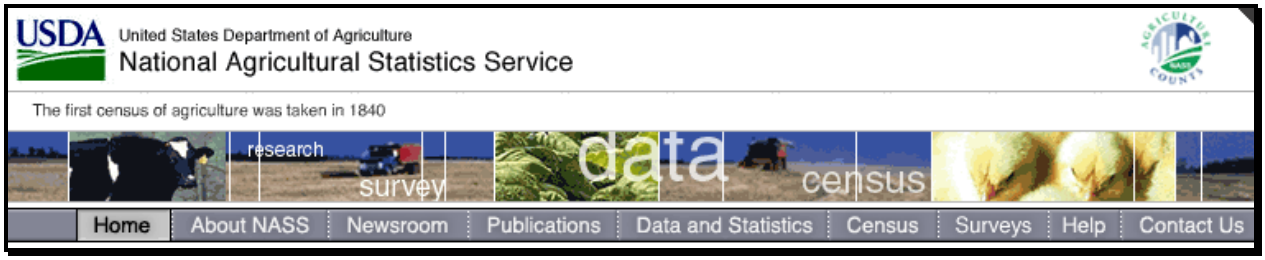
## *- - www.nass.usda.gov - -*

Use our Internet site to find:

> 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.




Try these popular Internet services at www.nass.usda.gov :

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.

3) ***"Surveys"*** button explains the details of every survey or census conducted by NASS: purpose, coverage, methods, uses of the data, etc.

Kevin Pautler, Director
NASS-PA Field Office

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

***Thank you!"***

# Pennsylvania Ag Snapshot 2011

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

## Crops:

| Commodity | Acres planted | Acres harvested | Yield | Production | | Price per unit (dols) | Value of production (dols) |
|---|---|---|---|---|---|---|---|
| | | | | Number | Unit [1] | | |
| Barley | 65,000 | 55,000 | 65.0 bu. | 3,575 | 1,000 48 lb/bu | 4.79 bu. | 16,624,000 |
| Corn, for grain | 1,420,000 | 960,000 | 111.0 bu. | 106,560 | 1,000 56 lb/bu | 7.10 bu. | 756,576,000 |
| Corn, for silage | --- | 420,000 | 15.5 tons | 6,510 | 1,000 tons | 58.00 ton | 377,580,000 |
| Dry hay, alfalfa | --- | 410,000 | 2.70 tons | 1,107 | 1,000 tons | 191.00 ton | 211,440,000 |
| Dry hay, other | --- | 1,040,000 | 2.30 tons | 2,392 | 1,000 tons | 134.00 ton | 320,530,000 |
| Dry hay, all | --- | 1,450,000 | 2.41 tons | 3,499 | 1,000 tons | 144.00 ton | 531,970,000 |
| Forage, alfalfa *(dry equivalent)* [5] | --- | 560,000 | 3.26 tons | 1,827 | 1,000 tons | --- | --- |
| Forage, all *(dry equivalent)* [4] | --- | 1,690,000 | 2.65 tons | 4,482 | 1,000 tons | 149.84 | 671,598 |
| Haylage and greenchop, alfalfa [3] | --- | 260,000 | 5.60 tons | 1,456 | 1,000 tons | --- | --- |
| Haylage and greenchop, all [2] | --- | 390,000 | 5.10 tons | 1,989 | 1,000 tons | 70.20 | 139,628 |
| Maple syrup | --- | --- | 0.254 gallon | 128 | 1,000 gal | 40.00 | 5,120,000 |
| Mushrooms, agaricus, 2011-12 | --- | --- | --- | 547,966 | 1,000 lbs | .907 lb. | 497,188,000 |
| Oats | 90,000 | 60,000 | 46.0 bu. | 2,760 | 1,000 32 lb/bu | 4.30 bu. | 11,868,000 |
| Potatoes | 9,200 | 7,800 | 260 cwt. | 2,028 | 1,000 cwt | 12.10 cwt. | 24,539,000 |
| Soybeans | 500,000 | 490,000 | 44.0 bu. | 21,560 | 1,000 60 lb/bu | 12.00 bu. | 258,720,000 |
| Tobacco, all | --- | 9,700 | 2,129 lbs. | 20,655 | 1,000 lbs | 1.680 lb. | 34,698,000 |
| Winter wheat | 185,000 | 170,000 | 51.0 bu. | 8,670 | 1,000 60 lb/bu | 6.20 bu. | 53,754,000 |
| **Vegetables:** | | | | | | | |
| Fresh: | | | | | | | |
| Cabbage | 1,200 | 1,000 | 155 cwt. | 155 | 1,000 cwt | 20.60 cwt. | 3,193,000 |
| Cantaloups | 990 | 950 | 195 cwt. | 185 | 1,000 cwt | 28.10 cwt. | 5,199,000 |
| Pumpkins | 6,900 | 5,700 | 180 cwt. | 1,026 | 1,000 cwt | 14.20 cwt. | 14,569,000 |
| Strawberries | 990 | 990 | 40 cwt. | 40 | 1,000 cwt | 212.00 cwt. | 8,480,000 |
| Sweet corn | 15,200 | 13,000 | 63 cwt. | 819 | 1,000 cwt | 27.30 cwt. | 30,549,000 |
| Tomatoes | 2,400 | 1,900 | 91 cwt. | 173 | 1,000 cwt | 68.50 cwt. | 11,851,000 |
| Processing: | | | | | | | |
| Snap beans | 16,600 | 15,400 | 2.83 tons | 43,580 | tons | 292.00 ton | 12,704,000 |
| **Fruit:** | | | | | | | |
| Apples | --- | 21,000 | 21,800 lbs. | 458.0 | mil lbs | 0.182 lb. | 79,739,000 |
| Cherries, tart | --- | 550 | 5,820 lbs. | 3.2 | mil lbs | 0.371 lb. | 1.150,000 |
| Grapes | --- | 13,600 | 6.69 tons | 91,000 | tons | 306.00 ton | 26,657,000 |
| Peaches | --- | 4,400 | 4.02 tons | 17,690 | tons | 1,360.00 ton | 23,462,000 |
| Pears | --- | 800 | 2.78 tons | 2,220 | tons | 995.00 ton | 2,100,000 |

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

## Livestock, Poultry and Other Commodities:

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

[1] Gross income.

# Historical Statistics & Rankings

By Jillayne K. Weaber

## Pennsylvania: Record Highs and Lows in PA Agriculture [1]

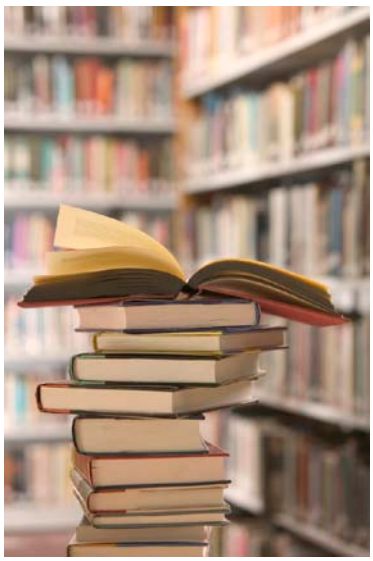
| Field Crops and Vegetables | Year Estimates Started | Record | Acreage | | Yield | | | Production | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Harvested | Year | Unit | Per Acre | Year | Total | Year |
| | | | (1,000) | | | | | (1,000) | |
| Corn for grain..... | 1866 | High | 1,590 | 1918 | Bu. | 143 | 2009 | 151,800 | 1985 |
| | | Low | 672 | 1966 | | 22 | 1930 | 19,074 | 1930 |
| Corn for silage ..... | 1919 | High | 590 | 1999 | Ton | 19.5 | 2009 | 8,325 | 2008 |
| | | Low | 156 | 1921 | | 6.0 | 1930 | 1,326 | 1923 |
| Wheat ..... | 1866 | High | 1,610 | 1901 | Bu. | 64 | 2008 | 26,565 | 1901 |
| | | Low | 135 | 2004 | | 10.5 | 1872 | 6,615 | 2004 |
| Oats ..... | 1866 | High | 1,330 | 1888 | Bu. | 70 | 1985 | 44,165 | 1918 |
| | | Low | 60 | 2011 | | 17.5 | 1890 | 2,760 | 2011 |
| Barley..... | 1866 | High | 245 | 1955 | Bu. | 81 | 2006 | 9,900 | 1967 |
| | | Low | 7 | 1915 | | 16.5 | 1874 | 130 | 1914 |
| Soybeans..... | 1924 | High | 495 | 2010 | Bu. | 46 | 2009 | 21,560 | 2011 |
| | | Low | 2 | 1935 | | 13 | 1957 | 33 | 1935 |
| Dry hay, all ..... | 1866 | High | 3,300 | 1892 | Ton | 2.93 | 2006 | 5,302 | 1985 |
| | | Low | 1,450 | 2011 | | 1.00 | 1911 | 2,255 | 1866 |
| Dry hay, alfalfa..... | 1919 | High | 850 | 1987 | Ton | 3.30 | 1985 | 2,772 | 1985 |
| | | Low | 31 | 1919 | | 1.60 | 1932 | 65 | 1919 |
| Potatoes..... | 1866 | High | 308 | 1917 | Cwt. | 310 | 2009 | 19,662 | 1934 |
| | | Low | 7.8 | 2011 | | 38 | 1876 | 1,794 | 2011 |
| Tobacco ..... | 1866 | High | 49.0 | 1918 | Lbs. | 2,349 | 2010 | 72,275 | 1918 |
| | | Low | 3.0 | 1869 | | 730 | 1881 | 3,390 | 1867 |
| Mushrooms..... | 1966 | High | - | - | Lbs. | - | - | 548,233 | 2011 |
| | | Low | - | - | | - | - | 93,000 | 1966 |
| Cabbage, fresh..... | 1992 | High | 2.0 | 1996 | Cwt. | 330 | 2010 | 513 | 1992 |
| | | Low | 1.0 | 2011 | | 90 | 2001 | 155 | 2011 |
| Cantaloup, fresh ..... | 1992 | High | 1.2 | 2003 | Cwt. | 195 | 2011 | 185 | 2011 |
| | | Low | 0.9 | 2009 | | 88 | 2003 | 99 | 2004 |
| Pumpkins [2]..... | 2000 | High | 8.1 | 2004 | Cwt. | 185 | 2008 | 1,313 | 2005 |
| | | Low | 5.7 | 2011 | | 100 | 2003 | 732 | 2007 |
| Snap beans, proc. ... | 1918 | High | 15.4 | 2011 | Ton | 3.95 | 2009 | 46.8 | 2004 |
| | | Low | .1 | 1921 | | .80 | 1930 | .3 | 1921 |
| Sweet corn, fresh..... | 1939 | High | 29.4 | 1944 | Cwt. | 85 | 1989 | 1,454 | 1989 |
| | | Low | 10.9 | 1972 | | 35 | 1939 | 545 | 1972 |
| Sweet corn, proc [3]. .. | 1918 | High | 16.7 | 1943 | Ton | 8.45 | 1992 | 44.9 | 1956 |
| | | Low | .8 | 2003 | | .90 | 1930 | 3.0 | 1921 |
| Strawberries..... | 1918 | High | 4.1 | 1937 | Cwt. | 66 | 2001 | 125.3 | 1937 |
| | | Low | .99 | 2011 | | 14 | 1945 | 2.7 | 1945 |
| Tomatoes, fresh..... | 1918 | High | 5.0 | 1987 | Cwt. | 220 | 2008 | 840 | 2000 |
| | | Low | .5 | 1926 | | 53 | 1926 | 27 | 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<br>Low | 1,114<br>78 | 1896<br>1921 |
| Tart cherries | 1938 | Million Lbs. | High<br>Low | 35.0<br>2.3 | 1964<br>2010 |
| Sweet cherries [4] | 1938 | Tons | High<br>Low | 2,200<br>50 | 1940<br>1990 |
| Peaches [3] | 1899 | Tons | High<br>Low | 74,400<br>[2] | 1954<br>1994 |
| Pears | 1909 | Tons | High<br>Low | 21,125<br>1,900 | 1920<br>1973 |
| Grapes | 1909 | Tons | High<br>Low | 107,200<br>6,000 | 2008<br>1945 |
| Livestock and products | Year estimates started | Units | Inventory January 1 or production | | |
| | | | Record | Total | Year |
| Cattle and calves | 1867 | 1,000 Head | High<br>Low | 2,100<br>1,250 | 1982<br>1927 |
| Milk cows | 1867 | 1,000 Head | High<br>Low | 943<br>540 | 1945<br>2012 |
| Hogs and pigs | 1867 | 1,000 Head | High<br>Low | 1,265<br>424 | 1918<br>1965 |
| Sheep | 1867 | 1,000 Head | High<br>Low | 2,985<br>81 | 1867<br>2001 |
| Chickens, all | 1924 | 1,000 Head | High<br>Low | 30,619<br>13,850 | 2000<br>1975 |
| Turkeys, raised | 1929 | 1,000 Head | High<br>Low | 12,000<br>192 | 2004<br>1929 |
| Broilers produced | 1939 | 1,000 Head | High<br>Low | 160,900<br>2,500 | 2008<br>1939 |
| Milk | 1924 | Million Lbs. | High<br>Low | 11,156<br>4,213 | 2000<br>1928 |
| Eggs | 1924 | Million Eggs | High<br>Low | 7,306<br>1,649 | 2011<br>1924 |
| Wool | 1909 | 1,000 Lbs. | High<br>Low | 4,514<br>350 | 1911<br>2009 |

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



## Pennsylvania: Ranking of States in Crop Production, 2011

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

[1] Data taken from the 2007 Census of Agriculture.

## Pennsylvania: Ranking of Counties in Crop Production, 2011

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

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

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

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

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

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

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

By Jack C. Doney

## Pennsylvania: Number of Farms and Land In Farms, 1970-2011[1] [2]

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

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

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

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

[1] Economic sales class was started in 1987.

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

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

[1] Economic sales class was started in 1987.

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

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

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

## Pennsylvania: Farm Numbers, Land In Farms, Average Size and Land Area, 2009 [1] [2]

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

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

## Pennsylvania: Estimated Number of Farms, 2007

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

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

## Pennsylvania: Cattle and Calves – Inventory, 2007 and 2002

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

| Item | 2007 | | 2002 | |
|---|---|---|---|---|
| | Farms | Number | Farms | Number |
| Cattle and calves | 25,975 | 1,609,147 | 28,163 | 1632,649 |
| 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.

*Data on this page taken from the 2007 Census of Agriculture publication published on February 4, 2009.*

## 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 - Region, State and United States, 2008-2012

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

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

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

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

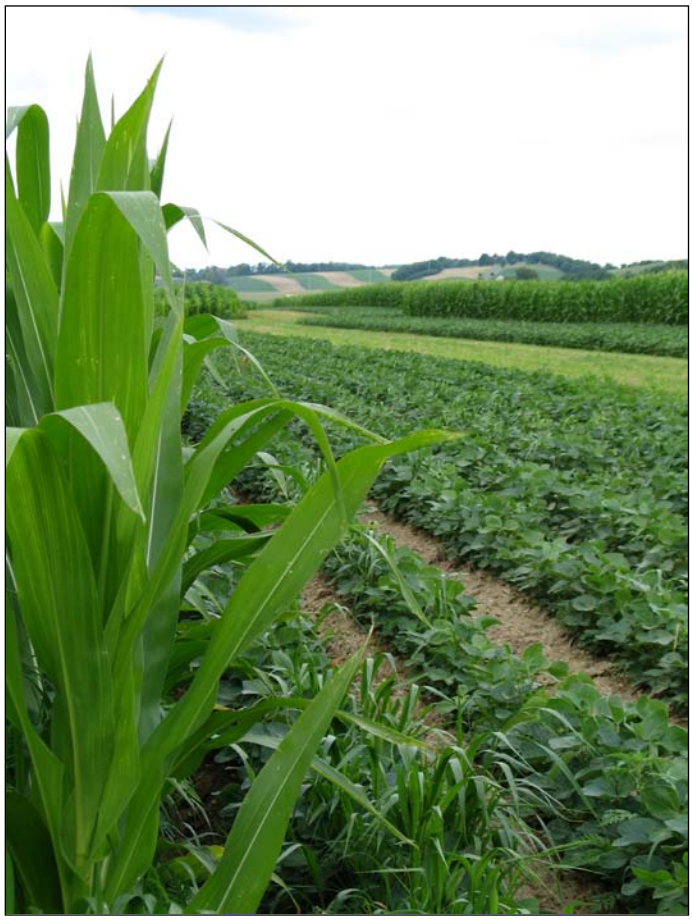
* Insufficient number of reports to establish an estimate. [1] Average value per acre of all land and buildings on farms. [2] Average value per acre for cropland and pasture started in 1997.

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

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

* = insufficient data to publish

# Crops



# Crop Production, 2011

By Jillayne K. Weaber

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## Pennsylvania: Tillage Practices by Crop, 2012

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

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

## Pennsylvania: Tillage Practices by Crop, 2011

| Crop | Total acres planted | No-Till [1] | | Other conservation tillage [2] | | Conventional till [3] | |
|---|---|---|---|---|---|---|---|
| | | Acres | % of total [4] | Acres | % of total [4] | Acres | % of total [4] |
| Corn | 1,400,000 | 880,000 | 62.9 | 270,000 | 19.3 | 250,000 | 17.9 |
| Soybeans | 480,000 | 335,000 | 69.8 | 95,000 | 19.8 | 50,000 | 10.4 |
| Barley | 62,000 | 42,000 | 67.7 | 12,000 | 19.4 | 8,000 | 12.9 |
| Winter Wheat [5] | 195,000 | 125,000 | 64.1 | 40,000 | 20.5 | 30,0000 | 15.4 |
| Oats | 80,000 | 25,000 | 31.3 | 20,000 | 25.0 | 35,000 | 43.8 |
| **Total** [6] | **2,217,000** | **1,407,000** | **63.5** | **437,000** | **19.7** | **373,000** | **16.8** |
| Alfalfa Seedings [7] | 70,000 | 30,000 | 42.9 | 15,000 | 21.4 | 25,000 | 35.7 |
| **Grand Total** [8] | **2,287,000** | **1,437,000** | **62.8** | **452,000** | **19.8** | **398,000** | **17.4** |

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

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

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

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

* Separate estimates for Pennsylvania not available.

## Pennsylvania: Barley - Acreage, Yield, Production and Value, 2011[1]

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

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

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

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

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

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

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

[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, 2010, Revised [1]

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

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

## Pennsylvania: Corn for Silage - Acreage, Yield, Production and Value, 2011 and 2010 [1] [2]

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

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

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

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

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

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

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

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

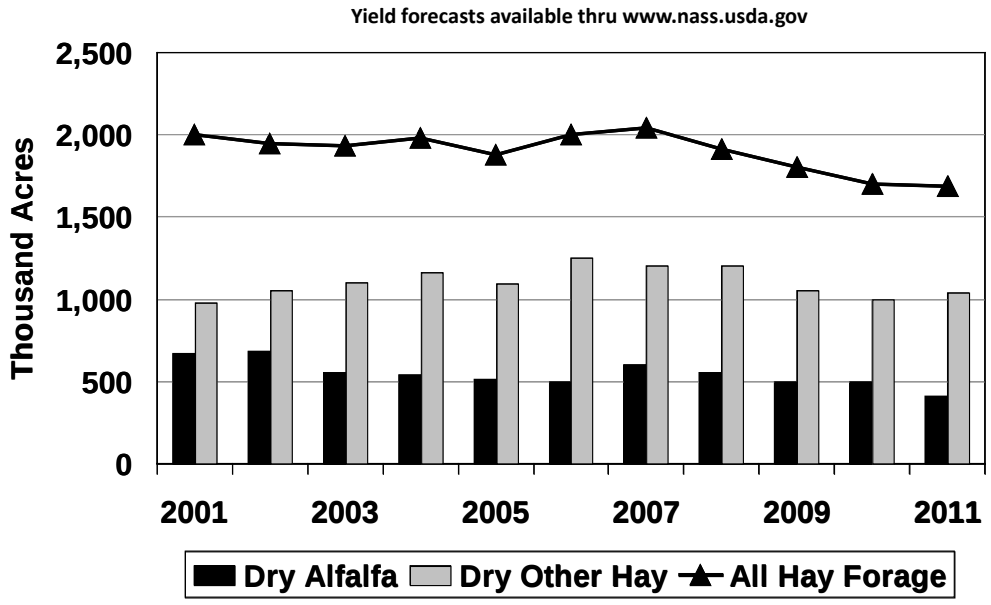
## Pennsylvania: All Forage - Acreage, Yield, Production and Value, 2010-2011 [1] [2] [3]

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

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

# PA Hay Acres Harvested

**All Hay Forage includes dry hay, haylage & greenchop**




Jan 2012

National Ag Statistics Service-PA, USDA

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

| County & District | Planted | Harvested | Yield per acre | Production | Value of production [2] |
|---|---|---|---|---|---|
| | (acres) | (acres) | (bushels, 32 lbs.) | (bushels, 32 lbs.) | (dollars) |
| Adams | 700 | 200 | 44.5 | 8,900 | 38.270 |
| Armstrong | 3,000 | 2,300 | 30.4 | 70,000 | 301,000 |
| Bedford | 2,200 | 1,700 | 46.1 | 78,400 | 337,120 |
| Blair | 1,100 | 400 | 44.8 | 17,900 | 76,970 |
| Bradford | 1,500 | 600 | 50.0 | 30,000 | 129,000 |
| Butler | 3,300 | 2,600 | 40.0 | 104,000 | 447,200 |
| Cambria | 4,600 | 3,900 | 45.4 | 177,000 | 761,100 |
| Carbon | 500 | 400 | 57.0 | 22,800 | 98,040 |
| Centre | 2,200 | 1,900 | 51.1 | 97,000 | 417,100 |
| Clarion | 1,500 | 1,400 | 48.6 | 68,000 | 292,400 |
| Clearfield | 1,100 | 900 | 35.6 | 32,000 | 137,600 |
| Clinton | 800 | 200 | 37.5 | 7,500 | 32,250 |
| Columbia | 1,400 | 700 | 40.0 | 28,000 | 120,400 |
| Crawford | 3,400 | 2,200 | 40.7 | 89,600 | 385,280 |
| Cumberland | 1,300 | 900 | 48.9 | 44,000 | 189,200 |
| Dauphin | 1,300 | 900 | 51.0 | 45,900 | 197,370 |
| Erie | 3,500 | 1,400 | 48.6 | 68,000 | 292,400 |
| Franklin | 2,400 | 200 | 57.0 | 11,400 | 49,020 |
| Fulton | 1,100 | 900 | 62.6 | 56,300 | 242,090 |
| Huntingdon | 1,500 | 900 | 34.4 | 31,000 | 133,300 |
| Jefferson | 1,800 | 1,500 | 39.7 | 59,500 | 255,850 |
| Juniata | 1,300 | 700 | 40.9 | 28,600 | 122,980 |
| Lawrence | 1,800 | 1,400 | 39.3 | 55,000 | 236,500 |
| Luzerne | 1,000 | 800 | 36.0 | 28,800 | 123,840 |
| Northampton | 700 | 500 | 60.0 | 30,000 | 129,000 |
| Northumberland | 900 | 600 | 55.0 | 33,000 | 141,900 |
| Perry | 1,900 | 1,300 | 51.5 | 67,000 | 288,100 |
| Potter | 900 | 700 | 50.0 | 35,000 | 150,500 |
| Schuylkill | 2,000 | 1,800 | 48.6 | 87,500 | 376,250 |
| Snyder | 1,000 | 900 | 46.7 | 42,000 | 180,600 |
| Somerset | 4,900 | 4,200 | 58.1 | 244,000 | 1,049,200 |
| Tioga | 1,600 | 800 | 46.9 | 37,500 | 161,250 |
| Venango | 1,000 | 900 | 43.9 | 39,500 | 169,850 |
| Westmoreland | 2,400 | 1,700 | 47.4 | 80,500 | 346,150 |
| York | 1,300 | 800 | 58.8 | 47,000 | 202,100 |
| | | | | | |
| Northwestern, Combined Counties | 3,100 | 2,300 | 49.1 | 112,900 | 485,470 |
| North Central, Combined Counties | 4,700 | 3,600 | 46.7 | 168,000 | 722,400 |
| West Central, Combined Counties | 4,500 | 3,500 | 39.9 | 139,500 | 599,850 |
| Central, Combined Counties | 2,400 | 1,700 | 49.2 | 83,600 | 359,480 |
| East Central, Combined Counties | 1,800 | 1,500 | 47.3 | 70,900 | 304,870 |
| Southwestern, Combined Counties | 2,800 | 2,200 | 37.5 | 82,500 | 354,750 |
| | | | | | |
| Northwestern | 11,000 | 6,800 | 45.6 | 310,000 | 1,333,000 |
| North Central | 9,500 | 5,900 | 47.1 | 278,000 | 1,195,400 |
| West Central | 15,900 | 12,700 | 39.1 | 496,000 | 2,132,800 |
| Central | 20,700 | 14,800 | 46.1 | 683,000 | 2,936,900 |
| East Central | 6,000 | 5,000 | 48.0 | 240,000 | 1,032,000 |
| Southwestern | 10,100 | 8,100 | 50.2 | 407,000 | 1,750,100 |
| South Central | 9,000 | 4,700 | 52.3 | 246,000 | 1,057,800 |
| | | | | | |
| Combined Districts | 7,800 | 2,000 | 50.0 | 100,000 | 430,000 |
| **Pennsylvania** | **90,000** | **60,000** | **46.0** | **2,760,000** | **11,868,000** |

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

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

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

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

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

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

[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, 2010, Revised [1]

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

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

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

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

[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, 2010 [1]

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

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

# 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 655 million pounds, down 4 percent from 2010.

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

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

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

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

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

## Pennsylvania: Fruit and Nuts, 2007 and 2002

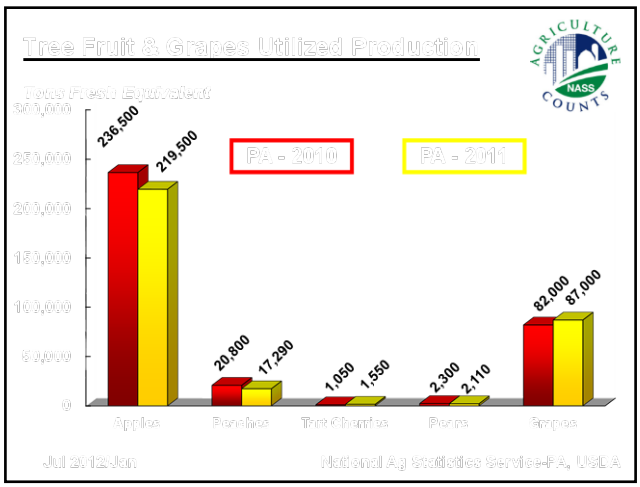
*Data taken from the 2007 Census of Agriculture published February 4, 2009*

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

## Pennsylvania: Land in Berries, 2007

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| Variety | 2006 | | | 2007 | | |
|---|---|---|---|---|---|---|
| | Quantity | Average price | Value of sales | Quantity | Average price | Value of sales |
| | (tons) | (dols./ton) | (dollars) | (tons) | (dols./ton) | (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 | Average price | Value of sales | Quantity | Average price | Value of sales |
| | (tons) | (dols./ton) | (dollars) | (tons) | (dols./ton) | (dollars) |
| Concord | 9,500 | 229 | 2,176,000 | 5,800 | 233 | 1,354,000 |
| Niagara | 200 | 364 | 73,000 | 300 | 593 | 178,000 |
| Vinifera | 900 | 1,633 | 1,469,600 | 700 | 1,849 | 1,294,000 |
| Hybrid | 1,000 | 890 | 890,000 | 600 | 850 | 510,000 |
| Other | 1,600 | 469 | 750,400 | 1,000 | 469 | 469,000 |
| **Total** | **13,200** | **406** | **5,359,000** | **8,400** | **453** | **3,805,000** |

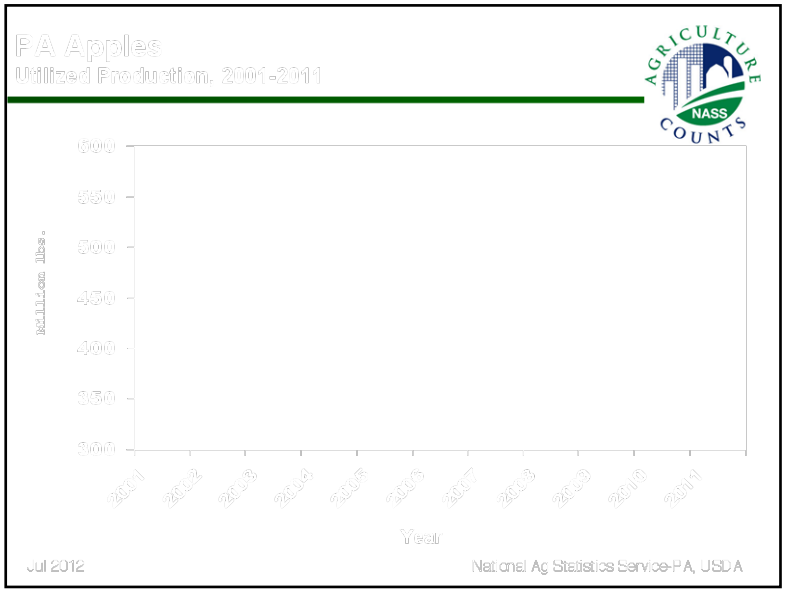
## Pennsylvania: Wine Grapes – Quantity, Price and Value of Sales, 2010-2011

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

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

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

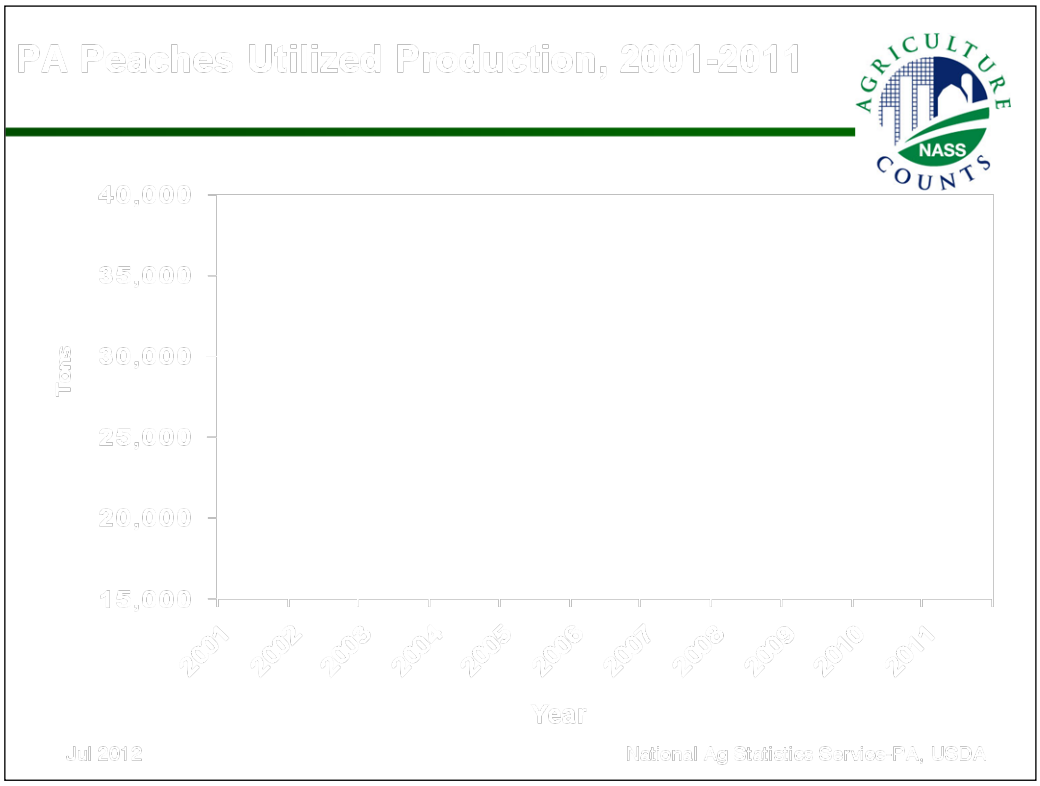
[1] Value of production based on final State marketing year average price. [2] Counties/districts not shown separately included in 'Combined counties/districts'.

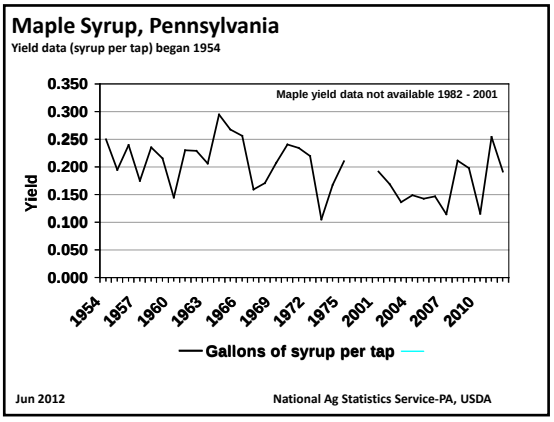


## Pennsylvania: Peaches - Utilized Production and Value, 2010-2011

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

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




Maple Syrup, Pennsylvania
Yield data (syrup per tap) began 1954
Maple yield data not available 1982 - 2001
Yield
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
1954
1957
1960
1963
1966
1969
1972
1975
2001
2004
2007
2010
Gallons of syrup per tap
Jun 2012
National Ag Statistics Service-PA, USDA

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

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

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

| Type and State | Gallons | | ½ Gallons | | Quarts | | Pints | | ½ Pints | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| | (dollars) | (dollars) | (dollars) | (dollars) | (dollars) | (dollars) | (dollars) | (dollars) | (dollars | (dollars) |
| **Retail** | | | | | | | | | | |
| CT | 62.00 | 57.00 | 31.70 | 34.80 | 19.60 | 19.00 | 11.80 | 13.10 | 7.70 | 8.70 |
| ME | 50.10 | 53.10 | 28.40 | 30.80 | 15.40 | 16.60 | 9.55 | 10.00 | 5.90 | 5.90 |
| MA | 53.00 | 50.80 | 26.80 | 30.00 | 17.20 | 18.50 | 10.00 | 11.30 | 6.50 | 8.40 |
| MI | 42.00 | 45.50 | 22.60 | 24.60 | 12.90 | 13.70 | 7.80 | 8.40 | 5.10 | 5.20 |
| NH | 49.00 | 51.30 | 28.10 | 27.30 | 17.10 | 17.20 | 9.80 | 10.10 | 6.50 | 5.80 |
| NY | 42.80 | 44.70 | 24.00 | 25.00 | 15.00 | 15.60 | 8.90 | 9.40 | 5.35 | 6.05 |
| OH | 40.50 | 41.70 | 23.00 | 24.90 | 13.90 | 15.10 | 8.50 | 8.90 | 5.95 | 6.80 |
| **PA** | **39.70** | **41.00** | **22.70** | **23.20** | **13.70** | **13.90** | **8.25** | **8.00** | **5.45** | **5.00** |
| VT | 43.30 | 44.70 | 25.50 | 26.20 | 15.70 | 15.70 | 9.70 | 9.70 | 6.20 | 5.90 |
| WI | 38.10 | 39.00 | 21.50 | 23.50 | 11.80 | 12.30 | 7.50 | 7.40 | 5.70 | 5.30 |
| **Wholesale** | | | | | | | | | | |
| CT | 59.00 | (D) | 29.50 | 25.00 | 14.40 | 14.00 | 10.70 | 8.00 | 4.90 | 5.10 |
| ME | 42.30 | 42.70 | 26.70 | 24.00 | 13.80 | 12.10 | 7.00 | 7.00 | 4.15 | 4.30 |
| MA | 44.00 | 45.70 | 24.70 | 24.40 | 14.30 | 13.70 | 8.00 | 8.30 | 5.10 | 5.20 |
| MI | 34.10 | 33.80 | 21.90 | 23.00 | 12.40 | 12.60 | 7.60 | 7.30 | 4.50 | 4.50 |
| NH | 45.70 | 38.70 | 25.30 | 23.30 | 13.00 | 13.20 | 7.10 | 8.20 | 3.80 | 4.60 |
| NY | 40.70 | 37.50 | 22.20 | 22.70 | 12.20 | 12.50 | 7.30 | 6.90 | 4.20 | 4.75 |
| OH | 34.30 | 36.00 | 21.20 | 22.70 | 11.30 | 13.10 | 7.55 | 7.90 | 4.05 | 5.00 |
| **PA** | **40.30** | **35.90** | **19.20** | **21.90** | **11.60** | **12.70** | **6.55** | **6.90** | **4.05** | **4.00** |
| VT | 37.00 | 39.40 | 23.10 | 23.90 | 12.80 | 13.70 | 7.60 | 8.10 | 4.60 | 5.00 |
| WI | 37.30 | 40.30 | 21.60 | 23.50 | 12.00 | 11.90 | 7.20 | 6.70 | 4.60 | 4.10 |

| Type and State | Bulk all grades | | Bulk all grades | | All Sales | |
|---|---|---|---|---|---|---|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| | (dollars per pound) | (dollars per pound) | (dollars per gallon) | (dollars per gallon) | (equivalent per gallon) | (equivalent per gallon) |
| **Bulk** | | | | | | |
| CT [2] | (D) | (D) | (D) | (D) | 70.00 | 73.00 |
| ME | 3.00 | 2.90 | 33.10 | 32.00 | 33.50 | 34.00 |
| MA | 2.55 | 2.50 | 28.10 | 27.60 | 56.50 | 57.00 |
| MI | 2.80 | 2.60 | 30.50 | 28.80 | 45.00 | 43.80 |
| NH | 2.65 | 2.65 | 29.20 | 29.20 | 55.40 | 49.00 |
| NY | 2.71 | 2.64 | 29.90 | 29.10 | 39.40 | 39.10 |
| OH | 2.55 | 2.70 | 28.10 | 29.90 | 42.70 | 40.30 |
| **PA** | **2.45** | **2.57** | **27.00** | **28.40** | **42.00** | **40.00** |
| VT | 2.65 | 2.75 | 29.20 | 30.30 | 34.00 | 35.00 |
| WI | 2.60 | 2.70 | 28.70 | 29.50 | 39.50 | 36.30 |

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

## Pennsylvania: Maple Syrup Production and Value, 1980-2011

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

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

# 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 548.0 million pounds sold during the 2011-2012 growing season. This is a slight decrease from 2011's 548.2 million pounds.

Pennsylvania accounted for 62 percent of all U.S. production of Agaricus mushrooms, the conventional button variety responsible for most of the nation's sales. The state's fresh market sales tallied $442.9 million, which is 46 percent of the nation's total fresh market sales. Pennsylvania had $54.3 million, or 78 percent of the mushroom sales used in processing. This compares with last season's sales of 48 and 77 percent, respectively.

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

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

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

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

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

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

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

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

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

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

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

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

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

[1] Counties not shown separately included in Other Counties.

# Potato Summary, 2011

By Tyler D. Heep

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

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

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

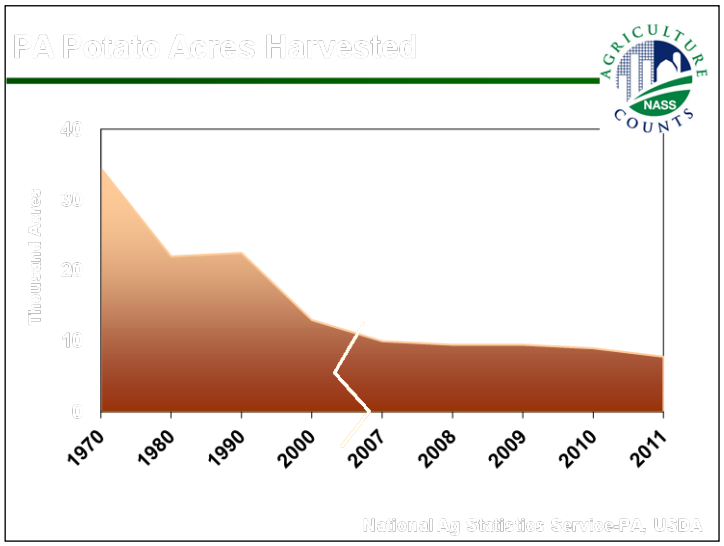
## Pennsylvania: Potatoes - Acreage, Yield, Production and Value, 1970-2011

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

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

## Pennsylvania: Potato Production and Farm Disposition, 1970-2011

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



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

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

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

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

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

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

# Tobacco, 2011

By Jillayne K. Weaber

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

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

| Year and Type | Harvested | 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 |
| | | | | |
| 2006 [2] | 7,900 | 2,125 | 16,790 | 27,130 |
| 2007 [4] | 7,900 | 2,318 | 18,310 | 26,219 |
| 2008 [4] | 7,900 | 2,232 | 17,630 | 24,040 |
| 2009 | 8,200 | 2,276 | 18,660 | 31,239 |
| 2010 | 8,500 | 2,349 | 19,965 | 33,445 |
| 2011 | 9,700 | 2,129 | 20,655 | 35,314 |
| | | | | |
| **2011:** | | | | |
| PA Seedleaf Type 41 | 1,700 | 2,150 | 3,655 | 6,214 |
| Southern MD Type 32 [4] | 3,000 | 2,000 | 6,000 | 9,300 |
| Burley Type 31 [3] | 5,000 | 2,200 | 11,000 | 19,800 |

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

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

| Year [1] | Supply | | | | Average price |
|---|---|---|---|---|---|
| | 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, 1970-2011

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

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

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

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

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

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

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

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

# Commercial Vegetable Production, 2011

By Mark A. Linstedt

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

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

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

**Yield:** Sweet corn yields decreased 6 percent for fresh market. Tomato yields decreased 17 percent for fresh market compared to the previous year level. Strawberry yields decreased 22 percent; snap bean yields for processing increased 3 percent from 2010.

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

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

## Pennsylvania: Vegetables Harvested for Sale, 2007 and 2002

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

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

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

## Pennsylvania: Principal Vegetables for Fresh Market, 1970-2011

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

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

## Pennsylvania: Snap Beans for Processing, 1970-2011

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

# Floriculture Crops, 2011

By Jillayne K. Weaber

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[1] Includes annual bedding plants and herbaceous perennials.
[2] Included in Other States to avoid disclosing individual operations.

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

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

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

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

| Producers | | Percent of Sales at Wholesale | | Value of Sales at Wholesale [1] | |
|---|---|---|---|---|---|
| 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| *Number* | | *Percent* | | *1,000 Dollars* | |
| 33 | 27 | 93 | 79 | 1,621 | 2,107 |

[1] Equivalent wholesale value of sales.

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

| Producers | | Total Quantity Sold | | Percent of Sales at Wholesale | | Wholesale Price | | Value of Sales at Wholesale [1] | |
|---|---|---|---|---|---|---|---|---|---|
| 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| *Number* | | *1,000 Baskets* | | *Percent* | | *Dollars Per Basket* | | *1,000 Dollars* | |
| 50 | 50 | 151 | 181 | 85 | 88 | 6.44 | 6.79 | 972 | 1,229 |

[1] Equivalent wholesale value of sales.

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

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

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

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

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

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

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

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

[1] Equivalent wholesale value of all sales.

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

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

[1] Equivalent wholesale value of all sales.

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

| Year | Potted Flowering Plants | Annual Bedding/ Garden Plants | Herbaceous Perennial Plants |
|---|---|---|---|
| | *1,000 Dollars* | *1,000 Dollars* | *1,000 Dollars* |
| 2010 | ([1]) | 4,464 | 17,497 |
| 2011 | 928 | 3,142 | 15,984 |

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

# Census of Horticultural Specialties

By Sharon D. Deane

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

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

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

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

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

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

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

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

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

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

The following abbreviations and symbols are used throughout the tables:

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

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

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

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

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

| Geographic area | Greenhouses | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Type of cover | | | | | | | |
| | Total | | Glass | | Rigid plastic | | Plastic film | |
| | Operations | Area (1,000 sq ft) | Operations | Area (1,000 sq ft) | Operations | Area (1,000 sq ft) | Operations | Area (1,000 sq ft) |
| United States | 13,546 | 859,063 | 1,703 | 114,037 | 2,898 | 120,290 | 11,930 | 624,736 |
| Pennsylvania | 914 | 23,922 | 126 | 2,196 | 198 | 2,297 | 841 | 19,429 |

| Geographic area | Area in the open | | Shade structure area | | Natural shade area | | Greenhouses – Con. Greenhouse space erected in 2009 | |
|---|---|---|---|---|---|---|---|---|
| | Operations | Acres | Operations | Area (1,000 sq ft) | Operations | Area (1,000 sq ft) | Operations | Area (1,000 sq ft) |
| United States | 12,140 | 572,269 | 3,916 | 406,072 | 1,608 | 8,160 | 868 | 16,279 |
| Pennsylvania | 633 | 20,006 | 139 | 1,091 | 48 | 114 | 38 | 992 |

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

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

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

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

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

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

--continued

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

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

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

--continued

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

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

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

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

| Geographic area | Consumers (direct sales) | | Retail florists | | Retail garden centers/nurseries, excluding mass marketers | | Supermarkets/ grocers | | Other mass marketers | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) |
| United States | 13,674 | 1,881,107 | 2,383 | 198,888 | 7,218 | 2,251,310 | 2,170 | 898,179 | 2,082 | 2,081,703 |
| Pennsylvania | 989 | 111,274 | 104 | 6,037 | 368 | 62,976 | 87 | 10,004 | 55 | 17,222 |

| Geographic area | Interiorscapers | | Landscape contractors | | Wholesale florists | | Landscape redistribution yards | | Non-profit groups (fundraisers) | | Other | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) | Operations | Value ($1,000) |
| United States | 1,018 | 93,461 | 7,884 | 1,682,170 | 2,112 | 531,569 | 2,603 | 558,939 | 2,701 | 83,239 | 3,939 | 1,426,758 |
| Pennsylvania | 20 | 657 | 350 | 36,443 | 73 | 4,092 | 102 | 12,626 | 182 | 2,900 | 221 | 31,773 |

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

| Geographic area | Individual | | | | Partnership | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Value of - | | | | Value of - | |
| | Operations | Value of sales ($1,000) | Land and buildings ($1,000) | Machinery and equipment ($1,000) | Operations | Value of sales ($1,000) | Land and buildings ($1,000) | Machinery and equipment ($1,000) |
| United States | 11,188 | 1,760,393 | 6,175,295 | 801,305 | 1,911 | 1,004,990 | 1,934,678 | 383,405 |
| Pennsylvania | 852 | 71,927 | 268,578 | 47,471 | 154 | 36,948 | 59,526 | 13,935 |

| Geographic area | Corporation | | | | Other | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Value of - | | | | Value of - | |
| | Operations | Value of sales ($1,000) | Land and buildings ($1,000) | Machinery and equipment ($1,000) | Operations | Value of sales ($1,000) | Land and buildings ($1,000) | Machinery and equipment ($1,000) |
| United States | 7,543 | 8,340,969 | 14,267,881 | 2,202,392 | 943 | 580,970 | 1,147,349 | 216,958 |
| Pennsylvania | 246 | 172,455 | 362,956 | 61,813 | 36 | 14,675 | 33,409 | 10,103 |

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

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

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

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

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

*Top 5 Annual Bedding Plants, United States:*

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

Table 8. **Cut Cultivated Greens Sold: 2009**

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

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

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

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

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

Table 11. **Nursery Stock Sold: 2009**

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

*Top 5 Nursery Stock Categories, United States:*

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

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

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

Table 13. **Aquatic Plants Sold: 2009**

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

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

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

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

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

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

# Crop Summary by County, 2011

By Jack C. Doney

## Pennsylvania: Summary - Principal Crops Harvested by County, 2011

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

Table continued on next page.

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

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

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

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

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

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

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

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

Continued on next page.

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

| Soybeans % Planted | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| May 15 | 15 | 32 | 24 |
| May 22 | 16 | 51 | 44 |
| May 29 | 28 | 75 | 62 |
| Jun 5 | 50 | 83 | 74 |
| Jun 12 | 77 | 92 | 84 |
| Jun 19 | 89 | 96 | 91 |
| Jun 26 | 96 | 100 | 96 |

| Soybeans % Harvested | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Oct 9 | 6 | 26 | 20 |
| Oct 16 | 12 | 38 | 33 |
| Oct 23 | 22 | 61 | 47 |
| Oct 30 | 33 | 70 | 56 |
| Nov 6 | 49 | 82 | 70 |
| Nov 13 | 80 | 91 | 78 |
| Nov 20 | 82 | 96 | 85 |
| Nov 27 | 89 | 97 | 89 |

| Corn % Planted | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| May 8 | 10 | 52 | 44 |
| May 15 | 34 | 68 | 61 |
| May 22 | 40 | 79 | 74 |
| May 29 | 61 | 91 | 86 |
| Jun 5 | 80 | 96 | 92 |
| Jun 12 | 93 | 99 | 96 |
| Jun 19 | 98 | 100 | 99 |

| Corn Average Height (Inches) | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Jun 12 | 10 | 16 | 13 |
| Jun 19 | 16 | 25 | 19 |
| Jun 26 | 24 | 35 | 27 |
| Jul 3 | 38 | 46 | 39 |
| Jul 10 | 53 | 56 | 52 |
| Jul 17 | 62 | 68 | 64 |
| Jul 24 | 70 | 74 | 71 |
| Jul 31 | 71 | 78 | 74 |
| Aug 7 | 78 | 82 | 78 |
| Aug 14 | 83 | 85 | 80 |
| Aug 21 | 86 | 87 | 81 |
| Aug 28 | 87 | 88 | 81 |

| Corn % Harvested | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Oct 2 | 7 | 35 | 25 |
| Oct 9 | 15 | 40 | 30 |
| Oct 16 | 23 | 51 | 40 |
| Oct 23 | 31 | 62 | 49 |
| Oct 30 | 39 | 69 | 58 |
| Nov 6 | 57 | 76 | 67 |
| Nov 13 | 79 | 88 | 76 |
| Nov 20 | 84 | 93 | 83 |
| Nov 27 | 88 | 96 | 88 |

| Tobacco % Harvested | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Aug 21 | 8 | 39 | 27 |
| Aug 28 | 28 | 42 | 41 |
| Sept 4 | 45 | 73 | 59 |
| Sept 11 | 46 | 87 | 76 |
| Sept 18 | 80 | 92 | 87 |
| Sept 25 | 83 | 96 | 93 |
| Oct 2 | 95 | 98 | 95 |

| Potatoes % Planted | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| May 8 | 9 | 49 | 40 |
| May 15 | 28 | 65 | 59 |
| May 22 | 30 | 84 | 72 |
| May 29 | 58 | 97 | 88 |
| Jun 5 | 83 | 100 | 97 |
| Jun 12 | 95 | 100 | 100 |

| Potatoes % Harvested | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Aug 7 | 5 | 4 | 6 |
| Aug 14 | 7 | 10 | 12 |
| Aug 21 | 8 | 16 | 18 |
| Aug 28 | 11 | 19 | 20 |
| Sept 4 | 22 | 20 | 27 |
| Sept 11 | 29 | 25 | 37 |
| Sept 18 | 30 | 41 | 46 |
| Sept 25 | 32 | 51 | 57 |
| Oct 2 | 51 | 72 | 74 |
| Oct 9 | 62 | 87 | 87 |
| Oct 16 | 86 | 92 | 93 |
| Oct 23 | 91 | 98 | 97 |
| Oct 30 | 92 | 99 | 98 |
| Nov 6 | 96 | 99 | 98 |

| Peaches % Harvested | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Jul 17 | 10 | 21 | 15 |
| Jul 24 | 39 | 59 | 39 |
| Jul 31 | 27 | 45 | 35 |
| Aug 7 | 30 | 63 | 47 |
| Aug 14 | 52 | 73 | 63 |
| Aug 21 | 70 | 86 | 72 |
| Aug 28 | 78 | 93 | 83 |
| Sept 4 | 89 | 95 | 92 |
| Sept 11 | 95 | 95 | 96 |

| Apples % Harvested | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Jul 17 | 5 | 4 | 3 |
| Jul 24 | 10 | 11 | 8 |
| Jul 31 | 17 | 17 | 13 |
| Aug 7 | 18 | 24 | 18 |
| Aug 14 | 20 | 27 | 25 |
| Aug 21 | 28 | 34 | 30 |
| Aug 28 | 33 | 40 | 33 |
| Sept 4 | 35 | 56 | 39 |
| Sept 11 | 46 | 59 | 44 |
| Sept 18 | 52 | 61 | 51 |
| Sept 25 | 53 | 70 | 60 |
| Oct 2 | 73 | 81 | 68 |
| Oct 9 | 83 | 86 | 78 |
| Oct 16 | 88 | 90 | 85 |
| Oct 23 | 93 | 95 | 91 |
| Oct 30 | 95 | 96 | 95 |

| Spring Plowing % Complete | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Apr 10 | 7 | 31 | 28 |
| Apr 17 | 9 | 43 | 41 |
| Apr 24 | 14 | 60 | 55 |
| May 1 | 14 | 71 | 14 |
| May 8 | 29 | 78 | 78 |
| May 15 | 56 | 85 | 85 |
| May 22 | 62 | 90 | 90 |
| May 29 | 77 | 96 | 95 |
| Jun 5 | 89 | 100 | 97 |
| Jun 12 | 96 | 100 | 98 |

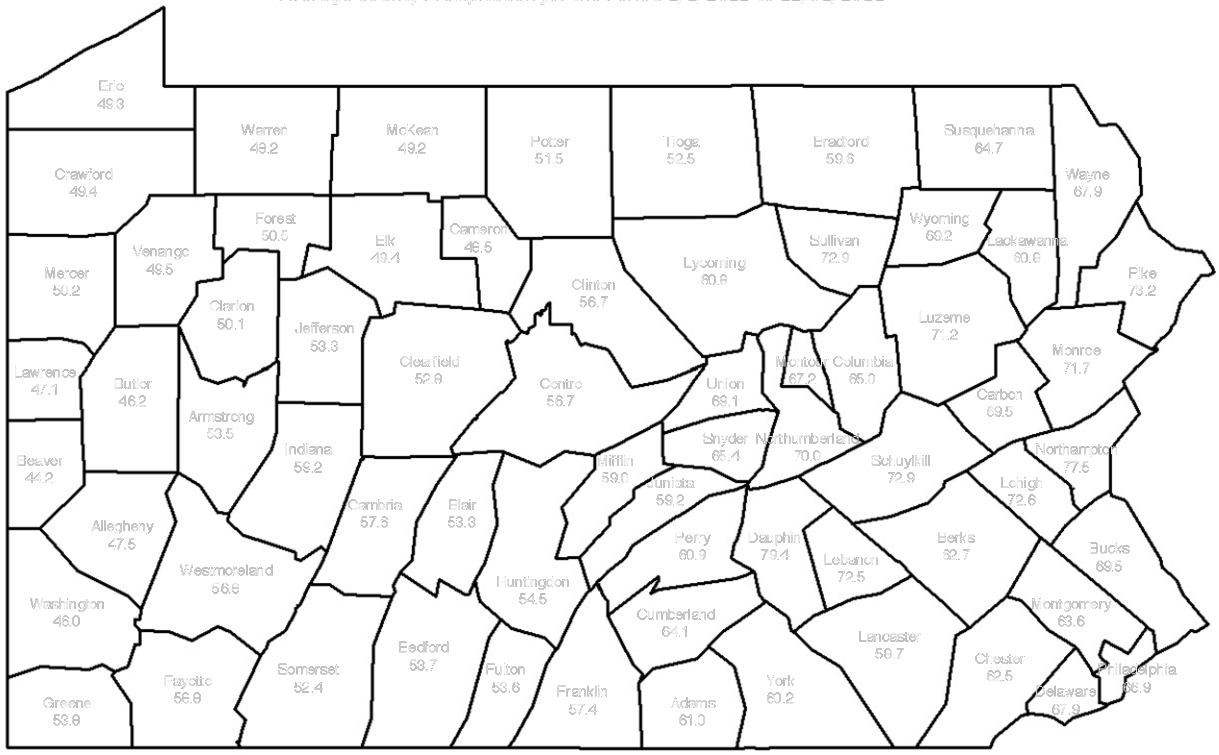
| Fall Plowing % Complete | | | |
|---|---|---|---|
| Week Ending 2011 | 2011 | 2010 | 5-Year Average |
| Aug 28 | 22 | 15 | 16 |
| Sept 4 | 23 | 20 | 19 |
| Sept 11 | 23 | 22 | 24 |
| Sept 18 | 29 | 28 | 32 |
| Sept 25 | 30 | 35 | 41 |
| Oct 2 | 30 | 39 | 46 |
| Oct 9 | 38 | 50 | 55 |
| Oct 16 | 42 | 55 | 63 |
| Oct 23 | 44 | 57 | 65 |
| Oct 30 | 44 | 63 | 70 |
| Nov 6 | 61 | 72 | 77 |
| Nov 13 | 79 | 84 | 82 |
| Nov 20 | 82 | 88 | 86 |
| Nov 27 | 84 | 90 | 90 |

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

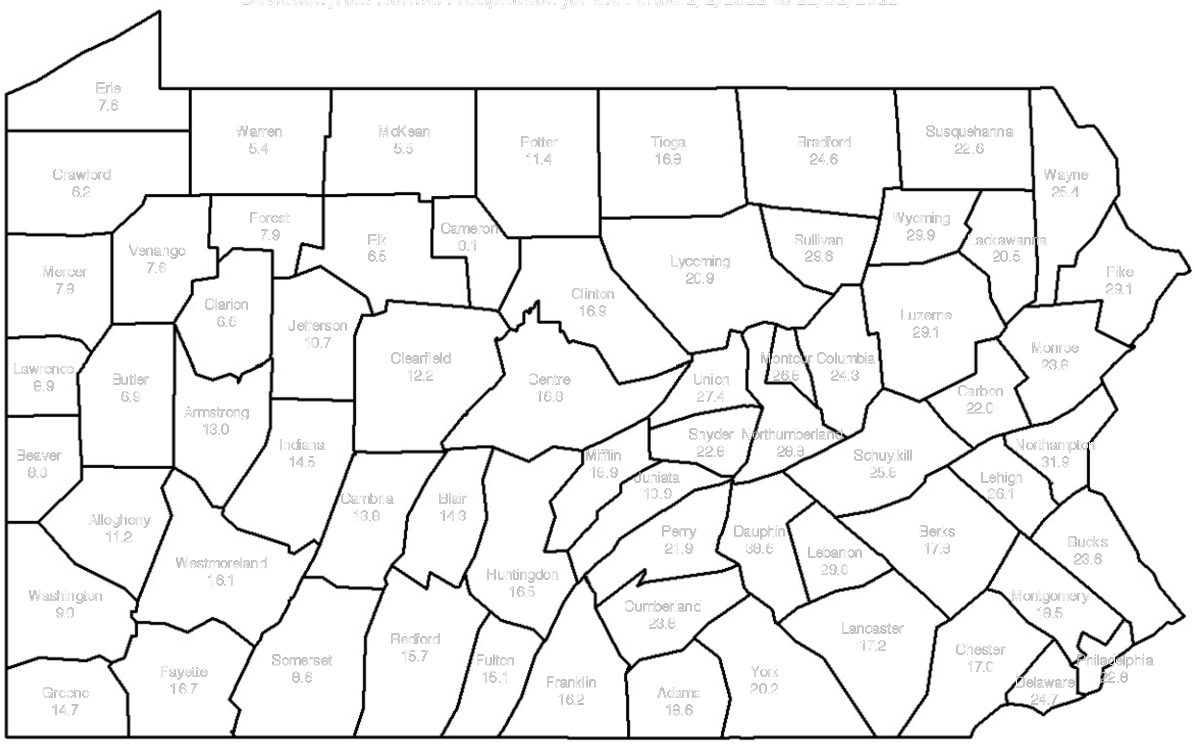
| Division | 2011 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| **POCONO MOUNTAINS:** | | | | | | | | | | | | |
| Avg Temp., *Degrees* | 24.7 | 29.4 | 37.4 | 45.8 | 56.0 | 63.7 | 71.6 | 70.6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

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

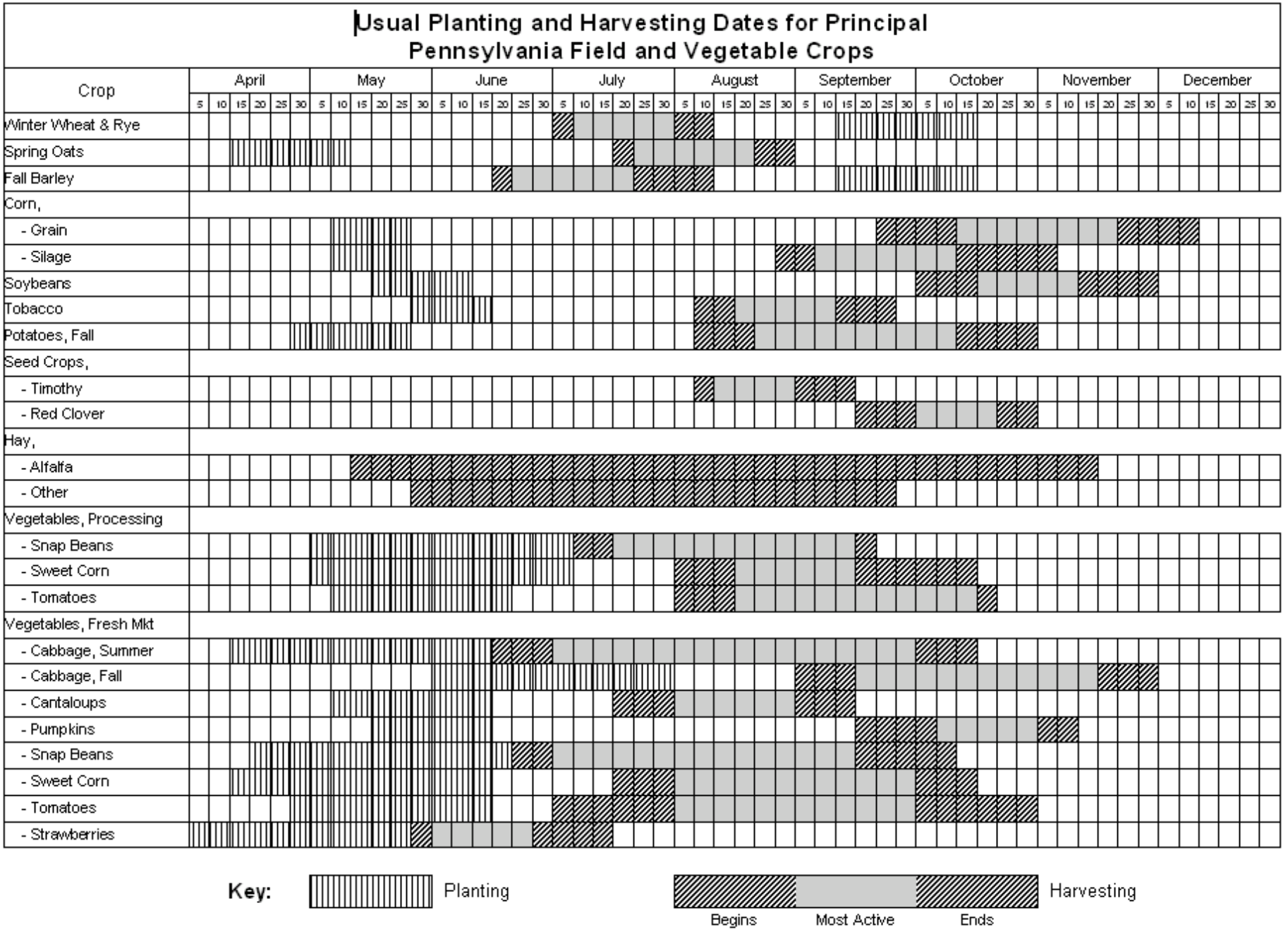
National Weather Service
Middle Atlantic River Forecast Center
*Average County Precipitation for the Period 1/1/2011 to 12/31/2011*




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



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



# Livestock, Dairy & Poultry

# Livestock Inventory & Production

By Mark A. Linstedt

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

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

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

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

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

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

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

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

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

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

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

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

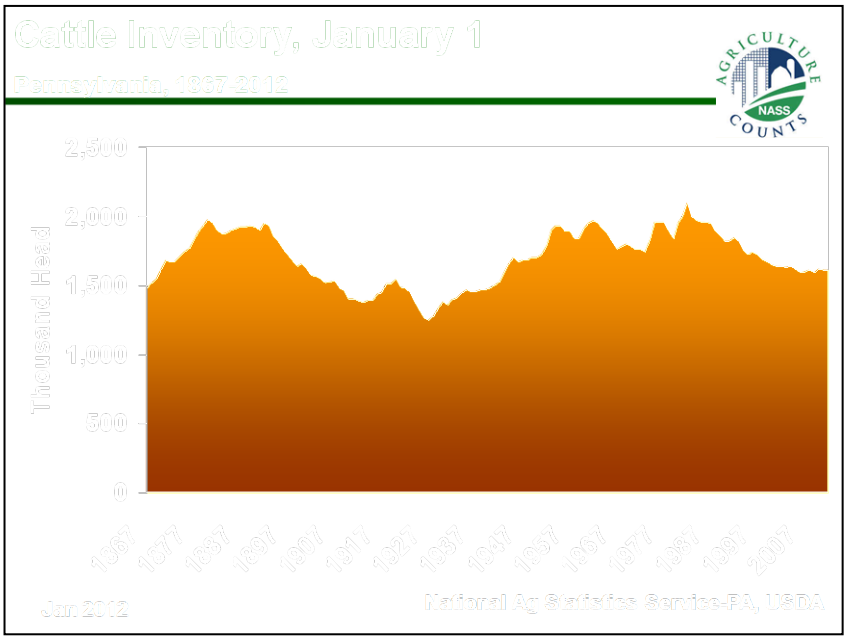
Pennsylvania ranked 13th among all states in commercial red meat production in 2011. Pennsylvania's rankings by number of head slaughtered were: 8th for cattle, 4th for calves, 10th for hogs, and 11th for sheep.

## Pennsylvania: Livestock and Poultry Inventory, 2005-2012

| Specie and Class | Number On Farms December 1 | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| | (1,000) | (1,000) | (1,000) | (1,000) | (1,000) | (1,000) | (1,000) |
| Hogs and Pigs | 1,100 | 1,080 | 1,170 | 1,120 | 1,140 | 1,110 | 1,120 |
| Kept for Breeding | 100 | 105 | 105 | 90 | 100 | 100 | 100 |
| Market Hogs and Pigs | 1,000 | 975 | 1,065 | 1,030 | 1,040 | 1,010 | 1,020 |
| • Under 50 Pounds [1] | - | - | - | - | 280 | 240 | 245 |
| • Under 60 Pounds | 310 | 300 | 345 | 320 | - | - | - |
| • 50-119 Pounds [1] | - | - | - | - | 330 | 340 | 350 |
| • 60-119 Pounds | 280 | 300 | 300 | 300 | - | - | - |
| • 120-179 Pounds | 215 | 185 | 220 | 215 | 220 | 200 | 210 |
| • 180 Pounds and Over | 195 | 190 | 200 | 195 | 210 | 230 | 215 |
| Chickens, Excluding Broilers | 28,926 | 28,303 | 26,700 | 25,883 | 28,199 | 29,550 | 28,894 |
| Hens and Pullets of Laying Age | 24,305 | 24,097 | 21,993 | 21,833 | 23,423 | 25.033 | 25,153 |
| Pullets Not of Laying Age | 4,511 | 4,092 | 4,612 | 3,945 | 4,665 | 4,411 | 3,620 |
| Other Chickens, Excluding Broilers | 110 | 114 | 104 | 105 | 111 | 106 | 121 |

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

[1] Weight group began in Dec 2009.



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

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

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

## Pennsylvania: Annual Pig Crop, 1970-2011

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

## Pennsylvania: Calf Crop, 1970-2012

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

[1] January 1 inventory. [2] Estimates began in 1977.

## Pennsylvania: Lamb and Wool Crops, 1970-2011

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

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

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

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

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

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

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

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

*Data taken from the 2007and 2002 Census of Agriculture publications*

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

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

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

*Data taken from the 2007and 2002 Census of Agriculture publications*

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

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

## Pennsylvania: Commercial Slaughter of Livestock, 2010-2011[1]

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

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

## Pennsylvania: Commercial Slaughter of Livestock, 1970-2011

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

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

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

[1] Value of marketings and home consumption.

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

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

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

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

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

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

# Cattle Death Loss, 2010

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

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

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

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

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

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

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

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

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

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

[1] Cattle value per head is based on a two-year straight average of the value of beef cows reported in the January 1 Cattle survey from 2010 and 2011.
[2] Calf value per head is based on the market year average calf price. An average weight of 300 pounds was used.

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

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

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

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

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

# Sheep & Goat Death Loss, 2009

By Adam W. Pike

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

Sheep and lamb losses from animal predators and non-predator causes in the United States totaled 634,500. Losses of sheep totaled 234,500 head or 37.0 percent of total losses. Lamb losses were 400,000 head or 63.0 percent of the total. Animal predator losses totaled 247,200 head. This represents 39.0 percent of the total losses from all causes and resulted in a loss of $20.5 million to farmer and ranchers. Non-predator losses of sheep & lamb totaled 387,300 or 61.0 percent of the total losses and resulted in a loss of $36.3 million to farmers and ranchers. Harsh conditions during the 2009 winter resulted in weather related problems being the leading cause of non-predator deaths accounting for 21.5%. Digestive problems (such as enterotoxemia, internal parasites) followed for a combined 17.3 percent of non-predator deaths.

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

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

| Predator | Pennsylvania | | United States | |
|---|---|---|---|---|
| | Sheep | Lamb | Sheep | Lamb |
| | (number) | (number) | (number) | (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 | Lamb | Sheep | Lamb |
| | (number) | (number) | (number) | (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 | Kids |
| | (head) | (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 |

# Dairy, 2011

By Adam W. Pike

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

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

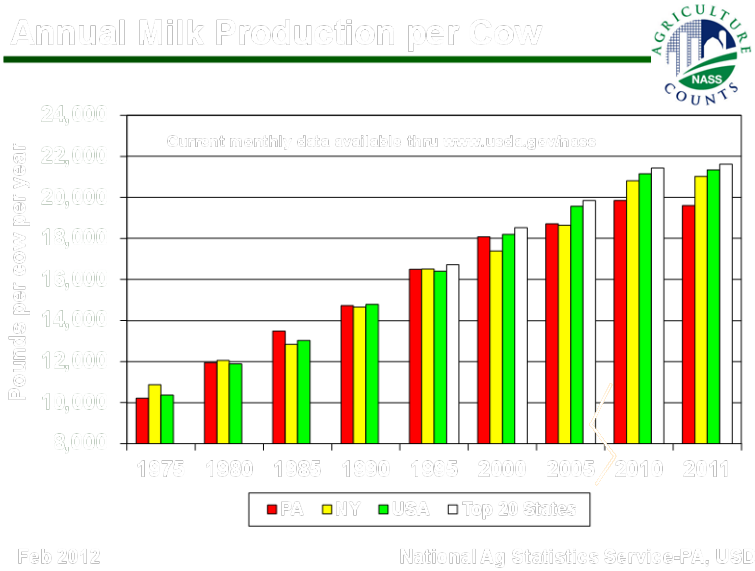
Pennsylvania held steady at 5th place in the nation's ranking in milk production, producing 5.4 percent of the nation's milk. California was 1st with 21.1 percent of the U.S. production, followed by Wisconsin, Idaho, and New York respectively.

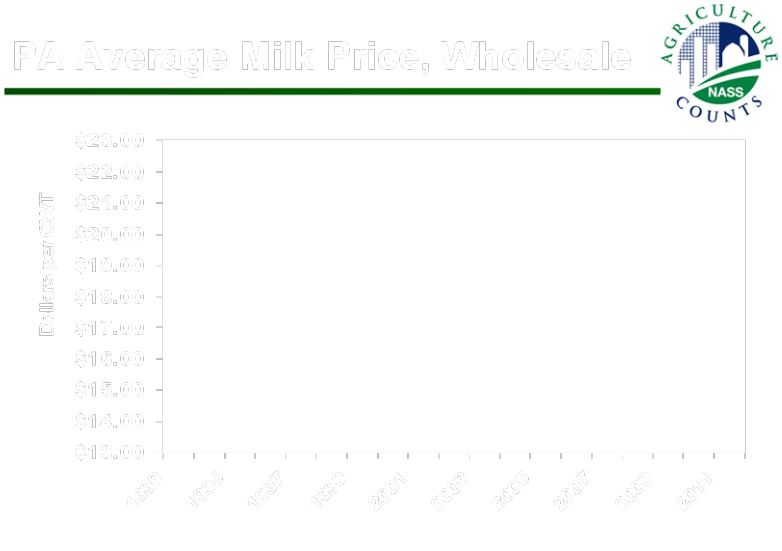
The number of milk cows in the State averaged 541,000 head in 2011, the same as 2010.

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

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

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



## Pennsylvania: Milk Cows, Milk Production and Milk Price, By Months, 2001-2011

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

[1] Average number of cows both dry and in milk.

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

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

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

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

| County & District | Number of milk cows | | Production [3] | | Value of production [4] |
|---|---|---|---|---|---|
| | Jan. 1, 2012 inventory | 2011 average | Per cow | Total | |
| | (number) | (number) | (pounds) | (1,000 lbs.) | (1,000 dols.) |
| Adams | 8,000 | 8,000 | 21,250 | 170,000 | 37,570 |
| Allegheny | 200 | 200 | 16,500 | 3,300 | 729 |
| Armstrong | 3,500 | 3,500 | 18,286 | 64,000 | 14,144 |
| Beaver | 1,800 | 1,800 | 18,611 | 33,500 | 7,404 |
| Bedford | 17,000 | 17,100 | 16,667 | 285,000 | 62,985 |
| Berks | 22,500 | 22,700 | 19,383 | 440,000 | 97,240 |
| Blair | 17,600 | 17,700 | 20,057 | 355,000 | 78,455 |
| Bradford | 19,400 | 19,500 | 19,744 | 385,000 | 85,085 |
| Bucks | 2,100 | 2,100 | 17,857 | 37,500 | 8,288 |
| Butler | 3,400 | 3,400 | 19,118 | 65,000 | 14,365 |
| Cambria | 2,000 | 2,000 | 19,500 | 39,000 | 8,619 |
| Carbon | 200 | 200 | 18,000 | 3,600 | 796 |
| Centre | 10,500 | 10,500 | 19,524 | 205,000 | 45,305 |
| Chester | 18,800 | 18,900 | 22,222 | 420,000 | 92,820 |
| Clarion | 2,800 | 2,800 | 20,000 | 56,000 | 12,376 |
| Clearfield | 1,400 | 1,400 | 16,429 | 23,000 | 5,083 |
| Clinton | 5,600 | 5,600 | 18,750 | 105,000 | 23,205 |
| Columbia | 3,000 | 3,000 | 18,000 | 54,000 | 11,934 |
| Crawford | 12,800 | 12,800 | 19,531 | 250,000 | 55,250 |
| Cumberland | 16,100 | 16,100 | 20,186 | 325,000 | 71,825 |
| Dauphin | 5,800 | 5,800 | 19,828 | 115,000 | 25,415 |
| Elk | 500 | 500 | 18,000 | 9,000 | 1,989 |
| Erie | 5,000 | 5,000 | 19,800 | 99,000 | 21,879 |
| Fayette | 3,100 | 3,100 | 18,387 | 57,000 | 12,597 |
| Forest | 200 | 200 | 18,000 | 3,600 | 796 |
| Franklin | 42,500 | 42,700 | 19,906 | 850,000 | 187,850 |
| Fulton | 5,200 | 5,200 | 18,269 | 95,000 | 20,995 |
| Greene | 500 | 500 | 19,200 | 9,600 | 2,122 |
| Huntingdon | 11,500 | 11,500 | 19,565 | 225,000 | 49,725 |
| Indiana | 7,500 | 7,500 | 18,667 | 140,000 | 30,940 |
| Jefferson | 2,200 | 2,200 | 17,273 | 38,000 | 8,398 |
| Juniata | 7,800 | 7,800 | 18,590 | 145,000 | 32,045 |
| Lackawanna | 1,200 | 1,200 | 16,667 | 20000 | 4,420 |
| Lancaster | 110,000 | 110,000 | 20,818 | 2,290,000 | 506,090 |
| Lawrence | 5,800 | 5,800 | 18,103 | 105,000 | 23,205 |
| Lebanon | 23,000 | 23,000 | 21,957 | 505,000 | 111,605 |
| Lehigh | 1,300 | 1,300 | 17,692 | 23,000 | 5,083 |
| Luzerne | 1,100 | 1,100 | 17,000 | 18,700 | 4,133 |
| Lycoming | 5,000 | 5,000 | 19,400 | 97,000 | 21,437 |
| McKean | 800 | 800 | 20,250 | 16,200 | 3,580 |
| Mercer | 8,600 | 8,600 | 17,442 | 150,000 | 33,150 |
| Mifflin | 11,700 | 11,700 | 19,658 | 230,000 | 50,830 |
| Montgomery | 1,200 | 1,200 | 17,500 | 21,000 | 4,641 |
| Monroe | 100 | 100 | 16,000 | 1,600 | 354 |
| Montour | 2,000 | 2,000 | 19,000 | 38,000 | 8,398 |
| Northampton | 2,000 | 2,000 | 17,500 | 35,000 | 7,735 |
| Northumberland | 5,400 | 5,400 | 17,593 | 95,000 | 20,995 |
| Perry | 8,700 | 8,700 | 21,264 | 185,000 | 40,885 |
| Potter | 5,200 | 5,200 | 18,654 | 97,000 | 21,437 |
| Schuylkill | 3,500 | 3,500 | 16,000 | 56,000 | 12,376 |
| Snyder | 6,000 | 6,000 | 17,500 | 105,000 | 23,205 |
| Somerset | 16,400 | 16,500 | 17,273 | 285,000 | 62,985 |
| Sullivan | 1,900 | 1,900 | 17,632 | 33,500 | 7,404 |
| Susquehanna | 8,400 | 8,400 | 18,452 | 155,000 | 34,255 |
| Tioga | 10,400 | 10,400 | 18,269 | 190,000 | 41,990 |
| Union | 8,300 | 8,300 | 19,880 | 165,000 | 36,465 |
| Venango | 1,600 | 1,600 | 16,875 | 27,000 | 5,967 |
| Warren | 4,000 | 4,000 | 17,750 | 71,000 | 15,691 |
| Washington | 3,000 | 3,000 | 18,667 | 56,000 | 12,376 |
| Wayne | 5,100 | 5,100 | 18,039 | 92,000 | 20,332 |
| Westmoreland | 6,000 | 6,000 | 18,333 | 110,000 | 24,310 |
| Wyoming | 1,900 | 1,900 | 20,263 | 38,500 | 8,509 |
| York | 9,800 | 9,900 | 18,687 | 185,000 | 40,885 |
| Combined Counties[1] [2] | 100 | 400 | 12,000 | 2,400 | 530 |
| **Pennsylvania** | **540,000** | **541,000** | **19,601** | **10,604,000** | **2,343,484** |

[1] Counties not shown separately included in 'Combined Counties'. The district map and county listing can be found on the inside back cover of this publication. [2] Dairy cow county estimates for January 1 inventories are no longer published by district. Future county estimates for yearly inventory average and production will no longer be published by district either.
[3] Excludes milk sucked by calves. [4] Value at average returns per 100 pounds of milk combined marketings of milk and cream. Includes value of milk fed to calves.

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

| County & District | Number of milk cows | | Production [2] | | Value of production [3] |
|---|---|---|---|---|---|
| | Jan. 1, 2011 inventory | 2010 average | Per cow | Total | |
| | (number) | (number) | (pounds) | (1,000 lbs.) | (1,000 dols.) |
| Adams | 8,000 | 7,700 | 20,779 | 160,000 | 29,288 |
| Armstrong | 3,500 | 3,400 | 18,235 | 62,000 | 11,349 |
| Beaver | 1,800 | 1,800 | 18,611 | 33,500 | 6,132 |
| Bedford | 17,300 | 17,300 | 18,208 | 315,000 | 57,661 |
| Berks | 23,000 | 22,500 | 19,778 | 445,000 | 81,458 |
| Blair | 17,700 | 17,500 | 19,143 | 335,000 | 61,322 |
| Bradford | 19,500 | 19,600 | 19,388 | 380,000 | 69,559 |
| Bucks | 2,100 | 2,100 | 18,571 | 39,000 | 7,139 |
| Butler | 3,400 | 3,400 | 19,118 | 65,000 | 11,898 |
| Cambria | 2,000 | 2,000 | 18,750 | 37,500 | 6,864 |
| Centre | 10,600 | 10,700 | 19,159 | 205,000 | 37,525 |
| Chester | 18,900 | 18,600 | 22,849 | 425,000 | 77,797 |
| Clarion | 2,800 | 2,700 | 19,259 | 52,000 | 9,519 |
| Clearfield | 1,400 | 1,400 | 17,500 | 24,500 | 4,485 |
| Clinton | 5,600 | 5,300 | 18,113 | 96,000 | 17573 |
| Columbia | 3,000 | 2,900 | 19,310 | 56,000 | 10,251 |
| Crawford | 12,900 | 13,000 | 18,846 | 245,000 | 44,848 |
| Cumberland | 16,200 | 16,300 | 20,859 | 340,000 | 62,237 |
| Dauphin | 5,800 | 5,800 | 19,828 | 115,000 | 21,051 |
| Elk | 500 | 500 | 18,400 | 9,200 | 1,684 |
| Erie | 5,000 | 5,000 | 18,600 | 93,000 | 17,024 |
| Fayette | 3,100 | 3,100 | 17,419 | 54,000 | 9,885 |
| Forest | 200 | 200 | 18,000 | 3,600 | 659 |
| Franklin | 43,000 | 43,000 | 19,767 | 850,000 | 155,593 |
| Fulton | 5,200 | 5,200 | 18,077 | 94,000 | 17,207 |
| Greene | 500 | 500 | 19,400 | 9,700 | 1,776 |
| Huntingdon | 11,600 | 11,600 | 19,397 | 225,000 | 41,187 |
| Indiana | 7,600 | 7,500 | 19,333 | 145,000 | 26,542 |
| Jefferson | 2,200 | 2,200 | 18,182 | 40,000 | 7,322 |
| Juniata | 7,800 | 7,800 | 19,231 | 150,000 | 27,458 |
| Lackawanna | 1,200 | 1,200 | 17,500 | 21,000 | 3,844 |
| Lancaster | 110,000 | 110,000 | 21,091 | 2,320,000 | 424,679 |
| Lawrence | 5,800 | 5,700 | 19,298 | 110,000 | 20,136 |
| Lebanon | 23,000 | 22,500 | 22,889 | 515,000 | 94,271 |
| Lehigh | 1,300 | 1,300 | 18,462 | 24,000 | 4,393 |
| Luzerne | 1,100 | 1,100 | 18,091 | 19,900 | 3,643 |
| Lycoming | 5,000 | 5,100 | 18,627 | 95,000 | 17,390 |
| McKean | 800 | 800 | 19,875 | 15,900 | 2,911 |
| Mercer | 8,700 | 8,800 | 17,614 | 155,000 | 28,373 |
| Mifflin | 11,800 | 11,800 | 19,492 | 230,000 | 42,102 |
| Montgomery | 1,200 | 1,100 | 18,000 | 19,800 | 3,624 |
| Montour | 2,000 | 2,000 | 18,000 | 36,000 | 6,590 |
| Northampton | 2,000 | 2,000 | 18,500 | 37,000 | 6,773 |
| Northumberland | 5,400 | 5,400 | 19,444 | 105,000 | 19,220 |
| Perry | 8,700 | 8,700 | 21,839 | 190,000 | 34,780 |
| Potter | 5,200 | 5,100 | 18,824 | 96,000 | 17,573 |
| Schuylkill | 3,500 | 3,400 | 17,941 | 61,000 | 11,166 |
| Snyder | 6,100 | 6,100 | 18,852 | 115,000 | 21,051 |
| Somerset | 16,700 | 16,800 | 18,155 | 305,000 | 55,831 |
| Sullivan | 1,900 | 1,900 | 18,684 | 35,500 | 6,498 |
| Susquehanna | 8,400 | 8,700 | 18,966 | 165,000 | 30,203 |
| Tioga | 10,500 | 10,600 | 18,868 | 200,000 | 36,610 |
| Union | 8,300 | 8,300 | 19,880 | 165,000 | 30,203 |
| Venango | 1,600 | 1,500 | 16,667 | 25,000 | 4,576 |
| Warren | 4,000 | 3,900 | 17,692 | 69,000 | 12,631 |
| Washington | 3,000 | 3,000 | 17,333 | 52,000 | 9,519 |
| Wayne | 5,100 | 5,100 | 18,235 | 93,000 | 17,024 |
| Westmoreland | 6,000 | 6,000 | 18,333 | 110,000 | 20,136 |
| Wyoming | 1,900 | 1,900 | 18,158 | 34,500 | 6,315 |
| York | 10,000 | 10,000 | 20,000 | 200,000 | 36,610 |
| Combined Counties | 600 | 600 | 17,333 | 10,400 | 1,903 |
| **Pennsylvania** | **543,000** | **541,000** | **19,841** | **10,734,000** | **1,964,871** |

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

# Annual Dairy Products, 2011

By Jillayne K. Weaber

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

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

Other Pennsylvania dairy rankings: 6th in butter; 8th in total lowfat ice cream; and 14th in hard milk sherbet.

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

**Pennsylvania: Specified Dairy Products Manufactured, Monthly, 2011**

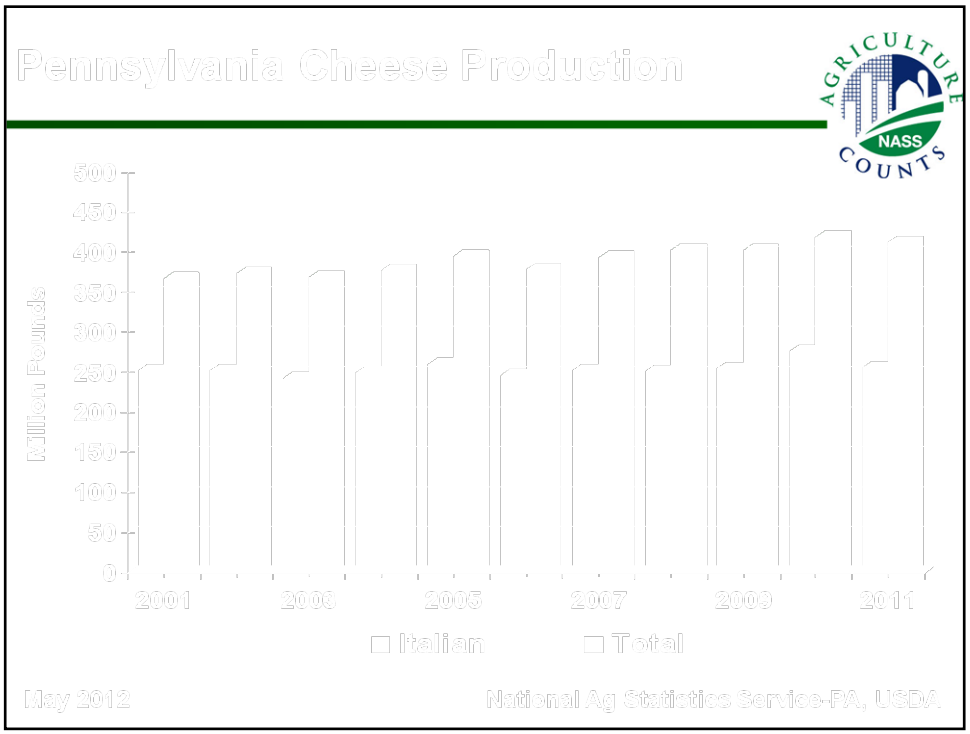
| Product | Plants | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (number) | (1,000 pounds) | | | | | | | | | | | | |
| Butter | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |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

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

## Pennsylvania: Dairy Products Manufactured, 2003-2011

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

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



# Honey Production, 2011

By Tyler D. Heep

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

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

The average yield was 44 pounds per colony compared to 37 pounds in 2010. Total stocks of honey, as of December 15, 2011, were 306,000 pounds, 71,000 pounds less than the previous year.

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

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

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

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

**Pennsylvania and Major States[1]: Number of Colonies, Yield, Production, Value and Stocks, 2011**

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

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

# Mink, 2011

By Mark A. Linstedt

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

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

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

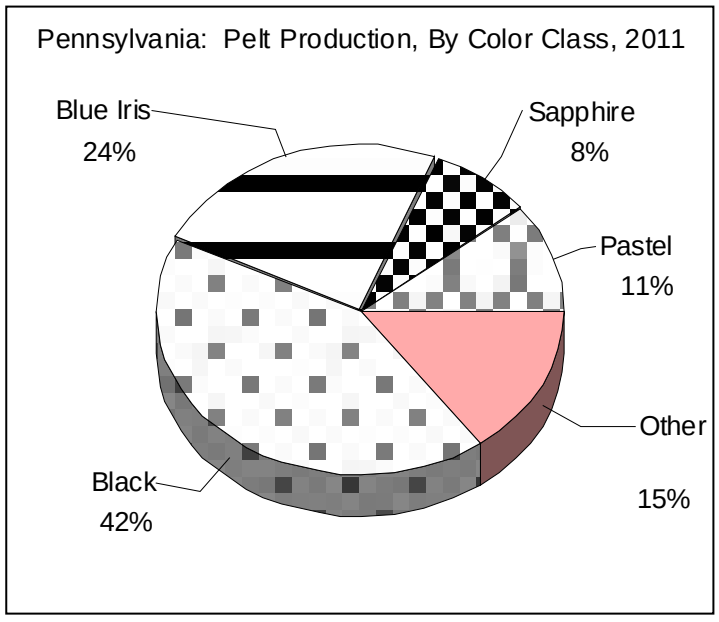
Thirty-five percent of the females bred to produce kits are of the black color class.

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

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

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

[1] Included in total to avoid disclosing individual operations.




**Pennsylvania: Mink Historical Perspective, 1970-2012**

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

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

# Poultry Production Summary, 2011

By Clarence White

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

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

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

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

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

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

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

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

## Pennsylvania: Commercial Broilers and Roasters – Production and Value, 1970-2011 [1] [2]

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

[1] Marketing year ends November 30. [2] Broiler production including other domestic meat-type strains. [3] Live weight equivalent prices, derived from ready-to-cook (RTC) prices using the following formulas: RTC price minus processing cost X (dressing percentage) = live weight equivalent price. [4] Value of production based on final State marketing year average price.

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

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

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

## Pennsylvania: Turkeys – Production and Value, 1970-2011

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

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

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

| Year | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Annual Avg or Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Avg Number of Layers, 1,000** | | | | | | | | | | | | | |
| 2001 | 23,931 | 24,085 | 24,496 | 24,623 | 25,006 | 24,870 | 24,200 | 24,262 | 24,615 | 24,344 | 24,137 | 23,950 | 24,377 |
| 2002 | 23,820 | 23,938 | 23,656 | 23,379 | 23,336 | 23,450 | 23,466 | 23,457 | 23,717 | 23,709 | 23,727 | 24,042 | 23,641 |
| 2003 | 24,854 | 25,321 | 24,803 | 24,629 | 24,752 | 24,769 | 24,506 | 24,223 | 23,983 | 24,019 | 24,409 | 23,946 | 24,518 |
| 2004 | 23,504 | 23,643 | 23,938 | 24,063 | 23,949 | 24,082 | 24,189 | 24,139 | 23,964 | 23,774 | 23,835 | 23,630 | 23,893 |
| 2005 | 24,444 | 24,484 | 24,455 | 24,399 | 23,943 | 23,418 | 22,988 | 23,045 | 23,371 | 23,523 | 23,778 | 24,096 | 23,785 |
| 2006 | 24,444 | 24,255 | 23,667 | 23,818 | 23,947 | 23,914 | 23,788 | 23,503 | 23,260 | 23,180 | 23,497 | 23,827 | 23,758 |
| 2007 | 23,898 | 23,585 | 22,961 | 22,679 | 22,560 | 22,348 | 22,283 | 21,884 | 21,937 | 22,090 | 21,973 | 21,973 | 22,514 |
| 2008 | 21,688 | 21,524 | 21,546 | 21,482 | 21,231 | 21,250 | 21,559 | 21,600 | 21,704 | 21,600 | 21,495 | 21,687 | 21,531 |
| 2009 | 21,816 | 22,333 | 22,839 | 22,837 | 22,899 | 22,582 | 22,528 | 22,721 | 22,709 | 22,864 | 23,076 | 23,324 | 22,711 |
| 2010 | 23,667 | 23,714 | 23,583 | 23,747 | 23,664 | 23,660 | 23,928 | 24,148 | 24,290 | 23,779 | 23,800 | 24,690 | 23,889 |
| 2011 | 25,158 | 25,246 | 25,050 | 25,282 | 25,618 | 25,078 | 24,613 | 24,800 | 25,250 | 25,280 | 25,029 | 25,093 | 25,125 |
| **Eggs Produced, Million** | | | | | | | | | | | | | |
| 2001 | 557 | 553 | 517 | 585 | 557 | 560 | 541 | 561 | 572 | 552 | 564 | 543 | 6,662 |
| 2002 | 552 | 548 | 499 | 552 | 534 | 557 | 540 | 552 | 550 | 532 | 557 | 547 | 6,520 |
| 2003 | 581 | 593 | 529 | 587 | 563 | 575 | 556 | 569 | 562 | 541 | 562 | 536 | 6,754 |
| 2004 | 544 | 544 | 519 | 566 | 536 | 554 | 549 | 569 | 567 | 536 | 556 | 545 | 6,585 |
| 2005 | 567 | 572 | 522 | 585 | 551 | 559 | 538 | 549 | 543 | 527 | 551 | 542 | 6,608 |
| 2006 | 567 | 571 | 509 | 567 | 554 | 572 | 558 | 573 | 564 | 542 | 561 | 549 | 6,687 |
| 2007 | 569 | 565 | 502 | 548 | 527 | 536 | 517 | 529 | 529 | 511 | 532 | 527 | 6,392 |
| 2008 | 535 | 523 | 490 | 524 | 498 | 515 | 509 | 524 | 520 | 507 | 528 | 516 | 6,189 |
| 2009 | 535 | 543 | 498 | 560 | 545 | 547 | 535 | 559 | 555 | 542 | 566 | 558 | 6,543 |
| 2010 | 587 | 586 | 526 | 591 | 574 | 590 | 582 | 600 | 594 | 564 | 588 | 594 | 6,976 |
| 2011 | 626 | 622 | 557 | 623 | 615 | 621 | 599 | 618 | 615 | 594 | 614 | 602 | 7,306 |
| **Avg Price Received for Eggs, Cents Per Dozen** | | | | | | | | | | | | | |
| 2001 | 75.0 | 57.0 | 55.0 | 58.0 | 55.0 | 37.0 | 42.0 | 40.0 | 45.0 | 44.0 | 46.0 | 52.0 | 50.5 |
| 2002 | 45.0 | 47.0 | 44.0 | 58.0 | 40.0 | 37.0 | 52.0 | 47.0 | 52.0 | 47.0 | 41.0 | 60.0 | 51.4 |
| 2003 | 60.0 | 50.0 | 52.0 | 59.0 | 61.0 | 46.0 | 60.0 | 60.0 | 69.0 | 70.0 | 74.0 | 95.0 | 65.9 |
| 2004 | 75.0 | 80.0 | 78.0 | 102.0 | 67.0 | 53.0 | 53.0 | 43.0 | 37.0 | 37.0 | 32.0 | 46.0 | 61.9 |
| 2005 | 55.0 | 38.0 | 36.0 | 33.0 | 26.0 | 24.0 | 22.0 | 32.0 | 26.0 | 43.0 | 33.0 | 46.0 | 34.5 |
| 2006 | 56.0 | 45.0 | 28.0 | 45.0 | 30.0 | 20.0 | 35.0 | 23.0 | 35.0 | 35.0 | 36.0 | 65.0 | 37.8 |
| 2007 | 60.0 | 69.0 | 60.0 | 63.0 | 51.0 | 56.0 | 46.0 | 76.0 | 68.0 | 93.0 | 77.0 | 115.0 | 69.4 |
| 2008 | 116.0 | 106.0 | 112.0 | 122.0 | 83.0 | 67.0 | 89.0 | 67.0 | 79.0 | 84.0 | 90.0 | 85.0 | 94.6 |
| 2009 | 80.0 | 87.0 | 62.0 | 61.0 | 80.0 | 47.0 | 42.0 | 50.0 | 56.0 | 56.0 | 63.0 | 87.0 | 67.4 |
| 2010 [3] | 92.0 | 91.0 | 78.0 | 106.0 | 60.0 | 44.0 | 42.0 | 53.0 | 62.0 | 45.0 | 65.0 | 102.0 | 69.9 |
| 2011 [3] | 92.0 | 66.0 | 78.0 | 65.0 | 89.0 | 62.0 | 69.0 | 68.0 | 99.0 | 86.0 | 86.0 | 86.0 | 79.7 |

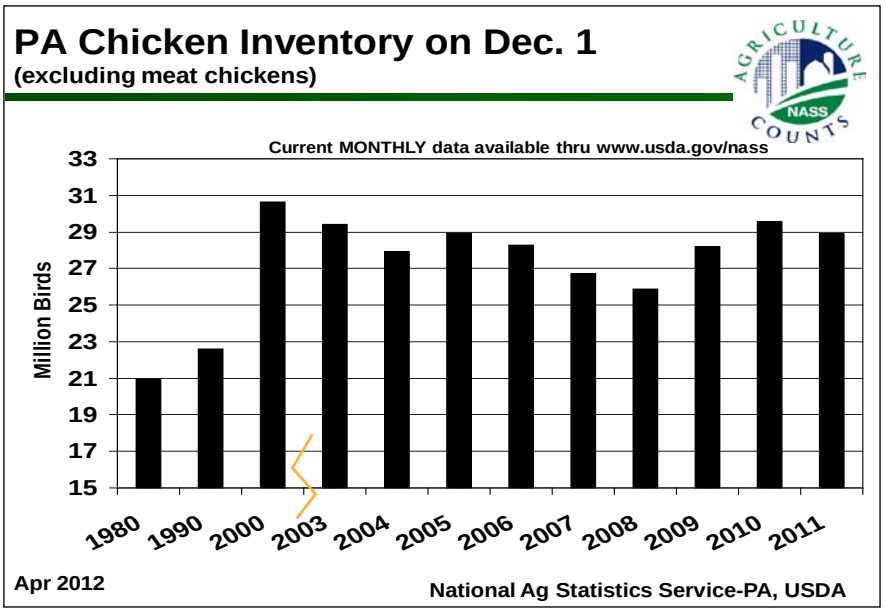
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total [1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Egg-type Chicks Hatched 1,000** | | | | | | | | | | | | | |
| 2000 | 4,943 | 4,609 | 6,300 | 5,148 | 5,455 | 4,907 | 4,772 | 5,688 | 5,700 | 5,668 | 5,493 | 5,418 | 64,101 |
| 2001 | 5,613 | 5,467 | 5,457 | 5,349 | 5,684 | 6,206 | 5,227 | 5,351 | 5,135 | 5,259 | 4,121 | 4,565 | 63,434 |
| 2002 | 4,540 | 4,094 | 4,867 | 4,402 | 4,200 | 4,884 | 3,815 | 4,661 | 4,381 | 3,569 | 3,544 | 4,349 | 51,306 |
| 2003 | 4,353 | 3,709 | 4,012 | 4,740 | 4,247 | 4,249 | 4,685 | 4,513 | 5,308 | 5,111 | 3,873 | 4,623 | 53,423 |
| 2004 | 4,935 | 4,849 | 5,261 | 6,117 | 5,251 | 5,349 | 4,491 | 4,497 | 5,141 | 5,183 | 5,787 | 5,291 | 62,152 |
| 2005 | 5,818 | 4,790 | 5,201 | 4,596 | 4,493 | 4,769 | 4,227 | 5,841 | 4,768 | 4,343 | 4,008 | 4,889 | 57,743 |
| 2006 | 4,231 | 4,269 | 5,054 | 3,787 | 4,630 | 4,741 | 3,736 | 5,076 | 4,940 | 4,566 | 3,318 | 4,447 | 52,795 |
| 2007 | 4,470 | 4,862 | 5,560 | 5,042 | 4,499 | 4,646 | 4,040 | 4,392 | 4,165 | 3,715 | 4,342 | 4,575 | 54,308 |
| 2008 [2] | 4,725 | 5,596 | 4,698 | 5,331 | 5,463 | 5,087 | 4,892 | 5,412 | 4,374 | 5,274 | 5,742 | 4,041 | 60,635 |
| **Broiler-type Chicks Hatched, 1,000** | | | | | | | | | | | | | |
| 2001 | 12,567 | 11,665 | 13,158 | 12,893 | 13,429 | 12,937 | 13,604 | 13,430 | 12,784 | 13,301 | 11,865 | 13,549 | 155,182 |
| 2002 | 13,264 | 11,171 | 13,688 | 13,081 | 13,366 | 13,394 | 13,361 | 13,218 | 12,717 | 12,538 | 11,345 | 12,688 | 153,831 |
| 2003 | 12,471 | 11,185 | 12,085 | 12,800 | 13,025 | 13,023 | 13,030 | 13,544 | 12,313 | 12,277 | 11,588 | 13,414 | 150,755 |
| 2004 | 12,642 | 12,003 | 13,039 | 13,104 | 13,668 | 12,629 | 13,747 | 13,742 | 13,345 | 12,877 | 12,964 | 14,060 | 157,820 |
| 2005 | 14,168 | 12,975 | 14,870 | 14,343 | 15,008 | 13,974 | 14,384 | 15,184 | 14,439 | 14,644 | 13,602 | 14,716 | 172,307 |
| 2006 | 13,942 | 12,976 | 14,202 | 14,340 | 14,604 | 14,090 | 14,600 | 14,618 | 13,158 | 14,322 | 12,986 | 14,718 | 168,556 |
| 2007 | 14,335 | 12,581 | 14,142 | 13,833 | 14,528 | 14,026 | 14,267 | 14,331 | 14,704 | 15,168 | 14,251 | 15,257 | 171,423 |
| 2008 | 15,217 | 14,544 | 15,144 | 15,172 | 15,468 | 15,560 | 15,935 | 15,600 | 14,297 | 14,241 | 12,307 | 15,237 | 178,722 |
| 2009 | 14,251 | 12,915 | 14,552 | 13,437 | 14,339 | 12,981 | 13,709 | 14,447 | 13,607 | 13,926 | 12,428 | 14,130 | 164,722 |
| 2010 | 13,975 | 11,347 | 13,463 | 13,314 | 13,707 | 13,532 | 13,742 | 13,564 | 13,551 | 13,449 | 12,937 | 14,313 | 160,894 |
| 2011 | 14,506 | 13,306 | 14,001 | 13,069 | 14,439 | 14,405 | 14,174 | 14,284 | 13,300 | 13,117 | 13,152 | 14,024 | 165,777 |

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

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

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

[1] Excludes commercial broilers.



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

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

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

## Pennsylvania: Poultry Inventory and Sales, 2007 and 2002

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

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

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

# Trout and Aquaculture Census, 2011

By Tyler D. Heep

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

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

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

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

Sales of food fish trout 6 to 12 inches long by Pennsylvania growers totaled 550,000 fish or 249,000 pounds live weight during 2011. This was down 55,000 lbs from the same period a year ago. They were sold at an average of $4.93 a pound, which is up $1.38/lb from last year. Six to twelve inch trout in Pennsylvania were valued at $1.2 million.

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

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

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

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

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

## Pennsylvania: Trout Sales and Value, 1999-2009

| State and year | Number of fish | Total pounds sold | Total value of sales | Average value 6" - 12" |
|---|---|---|---|---|
| | (1,000) | (1,000) | (1,000 dollars) | (dollars/lb.) |
| **Pennsylvania** | | | | |
| 1999 | 3,180 | 1,897 | 5,385 | 3.35 |
| 2000 | 2,620 | 1,850 | 5,032 | 3.30 |
| 2001 | 2,500 | 1,878 | 4,894 | 3.20 |
| 2002 | 2,380 | 1,613 | 4,865 | 3.70 |
| 2003 | 2,150 | 1,679 | 4,678 | 3.80 |
| 2004 | 1,800 | 1,371 | 4,223 | 3.80 |
| 2005 | 2,070 | 1,515 | 4,807 | 4.00 |
| 2006 | 2,290 | 1,610 | 4,790 | 4.65 |
| 2007 | 1,890 | 1,635 | 5,212 | 5.10 |
| 2008 | 2,420 | 1,668 | 5,427 | 4.41 |
| 2009 | 2,320 | 1,614 | 5,149 | 4.14 |

**AQUACULTURE CENSUS**

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

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

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

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

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

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

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

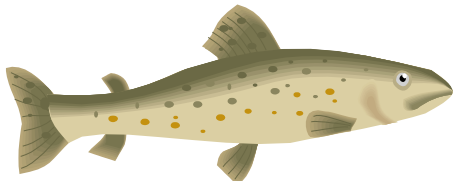
**Ornamental/aquarium fish** - Various fish raised for water gardens such as koi, ornamental goldfish, and ornamental catfish. Examples of fish in the Aquarium fish category include angelfish, guppies, and tropical fish. Ornamental fish are divided into two categories: Aquarium species may not be propagated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

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

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

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

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



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

# Economics

# Price and Income, 2011

By Tyler D. Heep

Some of the market year average prices in 2011 were lower than in 2011, but overall most prices went up. Market year average prices improved for corn, oats, barley, wheat, soybeans, all hay, other hay, tobacco, apples, milk cows, wholesale milk and wool. Potato prices remained unchanged. Preliminary cash receipts for all commodities in 2011 were $6.69 billion. Total crop cash receipts were estimated at $2.31 billion. Livestock cash income was $4.38 billion. Net farm income in 2011 was $2.04 billion.

## Pennsylvania: Prices Received By Farmers, Monthly, 2011

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

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

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

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

[1] State level price discontinued. (NA) Not available

## Prices Paid By Farmers for Feed, 2010-2012

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

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

## Prices Paid By Farmers for Fuels, 2010-2012

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

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

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

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

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

# Farm Production Expenditures, 2011

By Julie A. Donahoe

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

**U.S. Farm Production Expenditures Reach Record High:** Farm production expenditures in the United States is estimated at $318.7 billion for 2011, up from $289.1 billion in 2010. The 2011 Total expenditures rose 10.2 percent compared to 2010 Total expenditures. All expenditure items except Interest and Labor increased from the previous year.

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

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

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

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

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

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

## Farm Production Expenditures: Major Input Items, Average per Farm, and Total - Atlantic Region[14] & U.S.[1], 2010-2011

| Expenditure | Farms reporting | | Average per farm [10] | | Total expenditures | |
|---|---|---|---|---|---|---|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| | (percent) | (percent) | (dollars) | (dollars) | (million dollars) | (million dollars) |
| **Atlantic [14]** | | | | | | |
| Livestock, poultry and related expenses [3] | 22.6 | 24.3 | 7,148 | 7,954 | 3,180 | 3,490 |
| Feed | 58.5 | 61.2 | 17,062 | 20,740 | 7,590 | 9,100 |
| Farm services [4] | 94.3 | 94.4 | 9,846 | 10,279 | 4,380 | 4,510 |
| Rent [5] [11] | 21.7 | 22.7 | 2,967 | 2,917 | 1,320 | 1,280 |
| Agricultural chemicals [6] | 33.1 | 39.1 | 2,113 | 2,507 | 940 | 1,100 |
| Fertilizer, lime and soil conditioners | 52.6 | 48.5 | 4,271 | 4,854 | 1,900 | 2,130 |
| Interest [11] | 27.0 | 29.1 | 2,495 | 2,439 | 1,110 | 1,070 |
| Taxes [2] | 99.9 | 100.0 | 3,417 | 3,966 | 1,520 | 1,740 |
| Labor | 27.5 | 28.9 | 7,845 | 7,202 | 3,490 | 3,160 |
| Fuel [13] | 88.0 | 89.5 | 3,687 | 4,307 | 1,640 | 1,890 |
| Farm supplies and repairs [7] | 86.4 | 87.6 | 5,507 | 5,424 | 2,450 | 2,380 |
| Farm improvements and construction [8] | 50.1 | 50.9 | 4,631 | 6,108 | 2,060 | 2,680 |
| Tractors and self-propelled farm machinery | 16.7 | 12.7 | 3,417 | 3,327 | 1,520 | 1,460 |
| Other farm machinery | 20.6 | 19.9 | 1,484 | 1,823 | 660 | 800 |
| Seeds and plants [9] | 38.0 | 41.2 | 3,484 | 3,761 | 1,550 | 1,650 |
| Trucks and autos | 15.3 | 13.2 | 1,826 | 1,413 | 570 | 620 |
| Miscellaneous capital expenses [12] | 6.4 | 2.4 | 112 | 91 | 50 | 40 |
| Total farm production expenditures | 100.0 | 100.0 | 80,814 | 89,113 | 35,950 | 39,100 |
| **United States [1]** | | | | | | |
| Livestock, poultry and related expenses [3] | 23.2 | 23.6 | 11,128 | 13,163 | 24,400 | 28,600 |
| Feed | 57.0 | 58.4 | 20,705 | 25,129 | 45,400 | 54,600 |
| Farm services [4] | 93.2 | 93.6 | 16,281 | 17,075 | 35,700 | 37,100 |
| Rent [5] [11] | 28.3 | 28.9 | 11,812 | 12,104 | 25,900 | 26,300 |
| Agricultural chemicals [6] | 40.0 | 40.3 | 4,880 | 5,431 | 10,700 | 11,800 |
| Fertilizer, lime and soil conditioners | 48.7 | 44.9 | 9,577 | 11,552 | 21,000 | 25,100 |
| Interest [11] | 34.5 | 33.8 | 4,652 | 4,510 | 10,200 | 9,800 |
| Taxes [2] | 99.3 | 99.6 | 4,925 | 5,201 | 10,800 | 11,300 |
| Labor | 28.3 | 27.9 | 12,450 | 12,334 | 27,300 | 26,800 |
| Fuel [13] | 82.8 | 84.7 | 5,883 | 7,042 | 12,900 | 15,300 |
| Farm supplies and repairs [7] | 79.8 | 81.8 | 7,251 | 7,502 | 15,900 | 16,300 |
| Farm improvements and construction [8] | 50.9 | 48.8 | 5,746 | 6,581 | 12,600 | 14,300 |
| Tractors and self-propelled farm machinery | 20.4 | 17.3 | 4,971 | 5,753 | 10,900 | 12,500 |
| Other farm machinery | 22.2 | 20.9 | 2,280 | 2,945 | 5,000 | 6,400 |
| Seeds and plants [9] | 38.1 | 38.8 | 7,434 | 8,192 | 16,300 | 17,800 |
| Trucks and autos | 19.4 | 17.4 | 1,760 | 2,011 | 3,860 | 4,370 |
| Miscellaneous capital expenses [12] | 11.6 | 7.5 | 87 | 129 | 190 | 280 |
| Total farm production expenditures | 100.0 | 100.0 | 131,821 | 146,653 | 289,050 | 318,650 |

See footnotes on next page.

Footnotes from previous table:

[1] Excludes AK and HI.

[2] The sum of real estate taxes and personal property taxes for operator, landlord, and contractor.

[3] Includes purchases and leasing of livestock and poultry. Intra-state and inter-state transfers of livestock are capture. (Edit procedures have been upgraded over the last several years to accurately identify operations with animal production contracts. This leads to an increase in recorded Livestock, Poultry, and Related Expenses for contractors.)

[4] Includes all crop custom work, veterinary custom services, transportation costs, marketing charges, insurance, leasing of machinery and equipment, utilities, general expenses, and miscellaneous business expenses.

[5] Includes cash rent paid, share rent, plus public and private grazing fees.

[6] Includes material and application costs.

[7] Includes bedding/litter, marketing containers, power farm shop equipment, oil and lubricants, temporary fencing, miscellaneous non-capital equipment and supplies, repairs and maintenance of equipment not depreciated, and other small, non-capital equipment.

[8] Includes all expenditures related to new construction or repairs of buildings, fences, operator dwelling (if dwelling is owned by operation), and any improvements to physical structures of land.

[9] Excludes bedding plants, nursery stock, and seed purchased for resale. Includes all purchases of seed, plants, or seed treatments for nursery or farming operation.

[10] Average per farm is computed by dividing the total expense by the total number of farms at that level (United States, region, type, economic class, or state).

[11] All expense line items include the operator, landlord, and contractor shares of farm production expenses.

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

[13] Includes all other fuels not specifically listed in the questionnaire (natural gas, coal, fuel oil, kerosene, wood, etc).

[14] Atlantic Region consists of CT, DE, KY, ME, MD, MA, NH, NJ, NY, NC, PA, RI, TN, VA, VT, WV.

## Pennsylvania: Farm Income Indicators, 2006-2011

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

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

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

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

[1] May not add due to rounding. [2] Preliminary.

## Pennsylvania: Leading Commodities for Cash Receipts to Farmers, 2011

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

na = Not available
-- = Not applicable
Numbers may not add due to rounding.
1/ Commodities at the bottom of the above ranked list of commodities and having no accompanying data would have appeared within the ranked list of leading commodities, but were excluded to avoid disclosure of confidential information about individual producers.

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

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

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

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

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

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

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

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

# Farm Labor, 2011

By Tyler D. Heep

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

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

The total number of workers hired by farm operators in the Northeast II Region during 2011 ranged between a low of 25,000 in January to a high of 36,000 in October. The average hours worked during the survey week by all hired workers varied from 38 hours in January 2010 to 39.2 hours in July 2011.

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

## Northeast II: Hired Farm Labor, Quarterly, 2008-2012 [1] [2] [3]

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

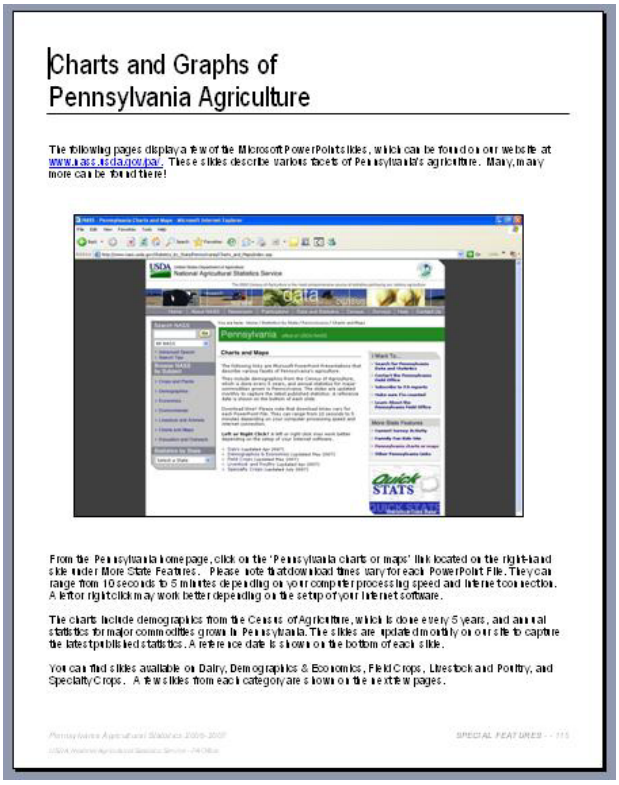
[1] Northeast II Region includes DE, MD, NJ, and PA. [2] Hired workers include field, livestock, supervisory, and other workers. [3] Farm labor excludes Agricultural Service Workers. [4] No Farm Labor Survey was conducted in April 2011.

## Northeast II: Annual Average Wage Rates for Hired Workers, 2007-2011 [1] [2]

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

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

# Special Features



Charts and Graphs of
Pennsylvania Agriculture

The following pages display a few of the Microsoft PowerPoint slides, which can be found on our website at www.nass.usda.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 letter 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.

# Farm Computer Usage and Ownership

By Sherry S. Deane

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

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

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

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

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

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

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

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

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

# Agricultural Exports, 2010

By Julie A. Donahoe

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

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

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

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

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

## U.S. and PA Agricultural Exports: Estimated Value By Commodity Group, Fiscal Years 2006-2010[1]

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

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

# Machinery Custom Rates, 2012

By Adam W. Pike

The custom rates shown are averages from voluntary reports by custom operators and farmers throughout Pennsylvania. Most of the rates are stated per acre, cwt., ton, bale, or bushel rather than per hour to reduce the variation due to machinery size. Individual rates vary due to differences in working conditions, services performed, or even the operator's eagerness to do custom work. Therefore, the average rates shown should not be considered absolute indications of fair charges.

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

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

See footnote at end of table.

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

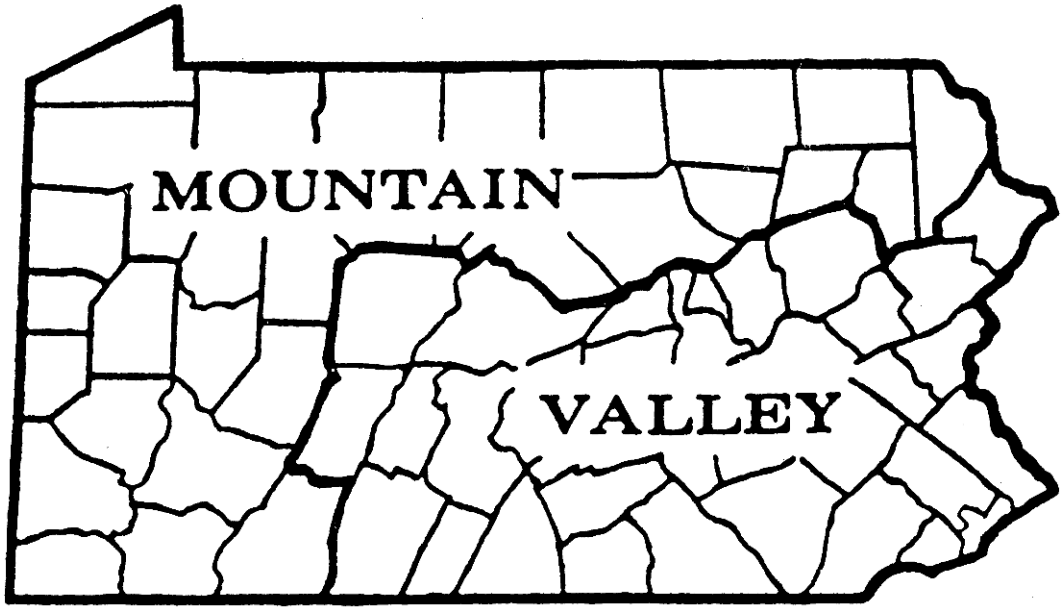
| Job | Basis of Charge | 2012 *(Dollars)* | | | | 2011 |
|---|---|---|---|---|---|---|
| | | Mountain Section | Valley Section | Range [1] | State | State *(Dollars)* |
| **PLANTING AND DRILLING** | | | | | | |
| Planting Corn, With Fertilizer: | | | | | | |
| Conventional-Till | Acre | 20.30 | 19.10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

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

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

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

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



# Food Consumption & Population

By Julie A. Donahoe

**Pennsylvania:**

**44,817 sq. mi.**
**28.68 million acres**

**1 sq. mi. = 640 acres**

## Pennsylvania: Total Population, July 1, 1900-2011 [1]

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

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

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

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

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

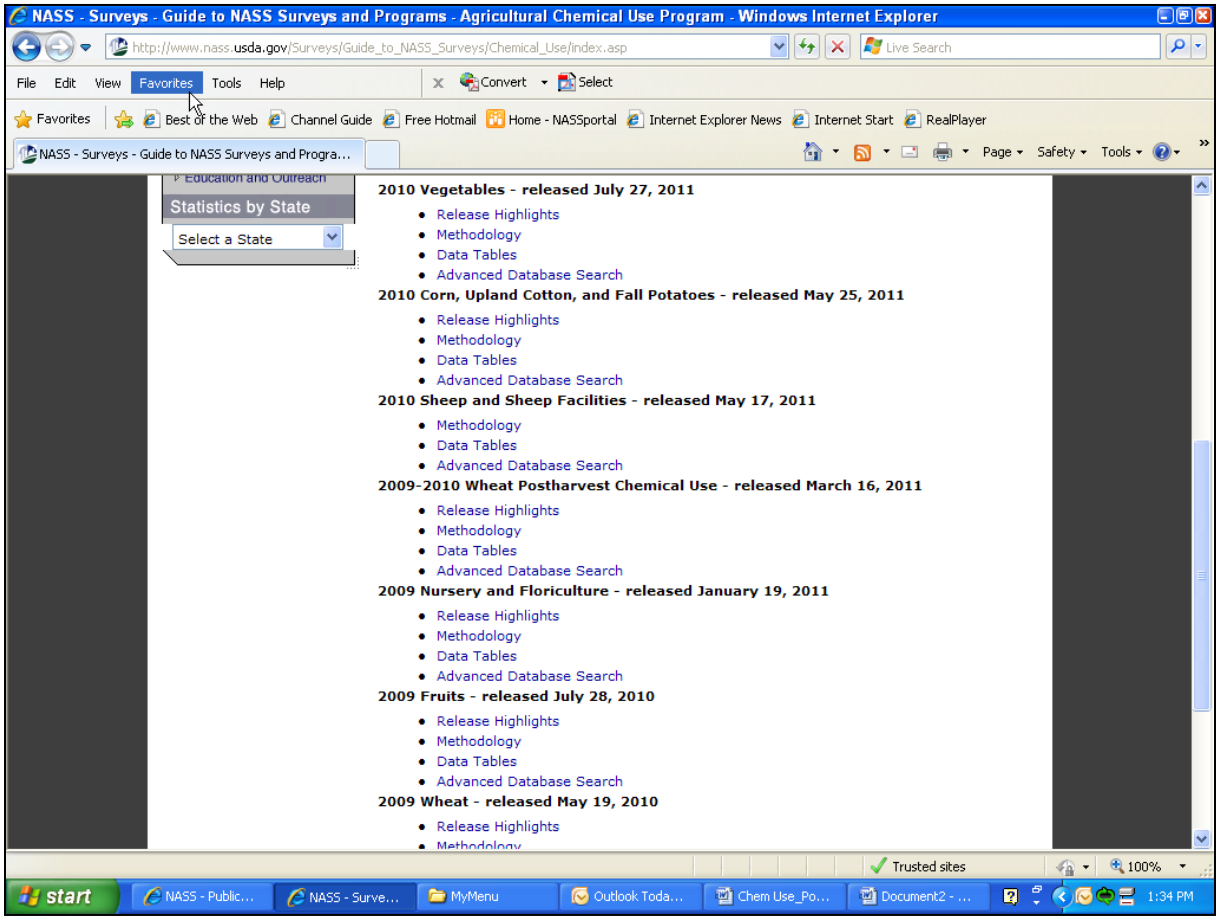
# Agricultural Chemical Usage
# Postharvest Applications

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

The latest data releases are available at:

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

Website continued - - -




## Related Reports and Data

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

# Agricultural Chemical Usage, 2011
## Barley

By Adam W. Pike

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

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

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

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

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

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

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

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

## Pennsylvania and Program States [1 2 3]: Barley – Agricultural Chemical Applications, 2011

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

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

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

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

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

# Agricultural Chemical Usage, 2011
## Fruit – Apples, Peaches

By Adam W. Pike

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

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

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

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

Herbicides were applied to 35 percent of the total bearing acres of apples in Pennsylvania. A total of 22,000 pounds were applied to that acreage. Pendimethalin was the active ingredient used in the largest volume with a total of 6,600 pounds applied, while Paraquat was the herbicide most commonly used, applied to 18 percent of the total bearing acreage. Twenty-eight percent of the total bearing acres of peaches was treated by herbicides. A total of 4,100 pounds was applied. Again, Pendimethalin was the active ingredient used in the largest volume with a total of 1,300 pounds applied, while Paraquat was the herbicide most commonly used, applied to 19 percent of the total bearing acreage.

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

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

## Pennsylvania and Program States [1] [2]: Apples – Agricultural Chemical Applications, 2011

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

[1] The 7 Program States consist of: California, Michigan, New York, North Carolina, Oregon, **Pennsylvania**, and Washington. [2] (Z) is displayed for estimates less than half of the unit shown.
[3] The following fungicides were withheld from the table to avoid disclosing data for individual farms: Calcium Polysulfide, Copper Chloride Hyd., Dodine, Mefenoxam, Oxytetracycline Calc, PCNB, Phosphorous Acid, Thiram, Triadimefon, and Triflumizole. [4] The following herbicides were withheld from the table to avoid disclosing data for individual farms: Atrazine, Clopyralid Mono Salt, Dicamba Dimet. Salt, Dichlobenil, Fluroxypyr 1-MHE, Glufosinate Ammonium, Glyphosate Amm. Salt, Oxyfluorfen, and Penoxsulam. [5] The following insecticides were withheld from the table to avoid disclosing data for individual farms: BT Kurstaki ABTS-351, Buprofezin, Clofentezine, Clothianidin, Dicofol, Emamectin Benzoate, Etoxazole, Flonicamid, Gamma-Cyhalothrin, Hexythiazox, Malathion, Methidathion, Novaluron, Oxamyl, Petroleum Distillate, Pyridaben, Pyriproxyfen, Spinosad, Spirotetramat, Xylene, and Zeta-Cypermethrin. [6] The following other pesticides were withheld from the table to avoid disclosing data for individual farms: Cytokinins, E-8-Dodecenyl Acetat, Hydrogen Peroxide, NAA Ammonium Salt, Tetradecen-1-OL (Z), Tetradecen-1-YL (E), Z-8-Dodecanol, and Z-8-Dodecen Acetate.

## Pennsylvania and Program States [1] [2] [3]: Peaches – Agricultural Chemical Applications, 2011

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

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

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

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

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

# Agricultural Chemical Usage, 2010

## Vegetables – Snap Beans, Sweet Corn, Pumpkins

By Mark A. Linstedt

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

**Fertilizers**

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

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

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

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

**Pesticides**

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

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

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

**Pest Management Practices**

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

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

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

## Pennsylvania: Fertilizer Primary Nutrient Applications, 2010

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

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

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

(D) Withheld to avoid disclosing data for individual farms.
(Z) Less than half of rounding unit for data item shown.
[1] Planted acreage in 2010 for Pennsylvania was 12,000 acres.

## Pennsylvania: Sweet Corn, Fresh – Agricultural Chemical Applications, 2010 [1]

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

(D) Withheld to avoid disclosing data for individual farms.
(Z) Less than half of rounding unit for data item shown.
(NA) Not available.
[1] Planted acreage in 2010 for Pennsylvania was 16,200 acres.

## Pennsylvania: Pumpkins – Agricultural Chemical Applications, 2010 [1]

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

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

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

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

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

# Agricultural Chemical Usage
# 2009 Nursery & Floriculture

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

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

**Chemical Use Highlights:**

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

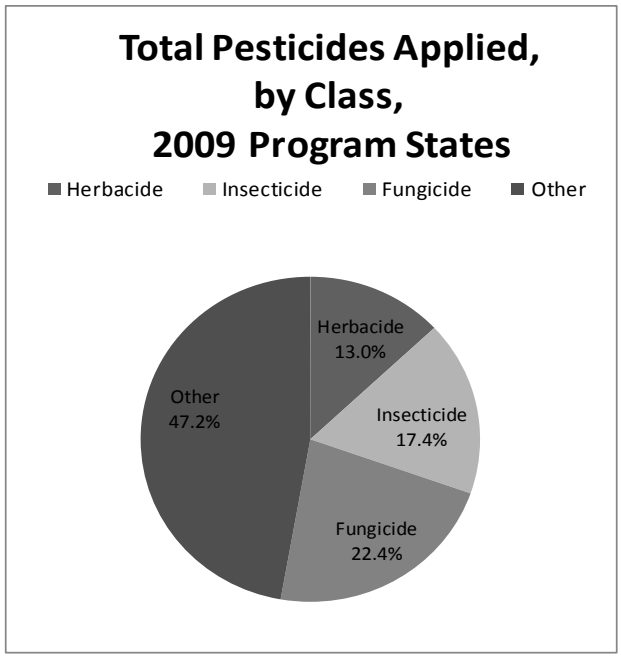
**Herbicides**
Of the total active ingredients applied, herbicides accounted for 507,200 pounds, a decrease from 929,600 pounds in 2006. Glyphosate isopropylamine salt was the most widely used herbicide, at 196,200 pounds. Oryzalin was the second most commonly used herbicide with 83,300 pounds, followed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

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

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

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

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




**Fungicides**
In 2009, growers applied 869,800 pounds of fungicides to floriculture and nursery crops. The three most commonly used were mancozeb, at 367,400 pounds; chlorothalonil, at 159,700 pounds; and thiophanate-methyl at 90,400 pounds. These three active ingredients accounted for 71 percent of the total pounds of fungicides applied to nursery and floriculture crops.
The top two fungicides, in terms of percent of operations, were chlorothalonil and thiophanatemethyl. Mefenoxam was third.

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

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

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

**Pest Management Practices**

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

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

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

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

| Pesticide class | Production category | | | | | |
|---|---|---|---|---|---|---|
| | All nursery and floriculture | All nursery | Nursery propagation or lining-out stock | Broadleaf evergreens | Coniferous evergreens | Deciduous shade trees |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Herbicides | 24.2 | 24.1 | * | 0.9 | 10.0 | 2.2 |
| Insecticides | 49.4 | 48.9 | 0.4 | * | 10.6 | 1.4 |
| Fungicides | 40.6 | 35.0 | 0.1 | 1.4 | 7.9 | 1.6 |
| Other chemicals | 1.7 | 1.4 | * | -- | * | -- |
| **All** | **115.9** | **109.4** | **0.5** | **2.7** | **28.4** | **5.2** |

| Pesticide class | Production category | | | | | |
|---|---|---|---|---|---|---|
| | Deciduous flowering trees | Deciduous shrubs | Fruit and nut plants | Christmas trees | All floriculture | Cut flowers |
| | ((1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Herbicides | 3.2 | 0.4 | * | 7.4 | 0.1 | * |
| Insecticides | 9.0 | 0.2 | * | 27.0 | 0.5 | 0.1 |
| Fungicides | 1.0 | * | * | 23.0 | 5.6 | 0.2 |
| Other chemicals | 0.1 | * | -- | 1.0 | 0.3 | * |
| **All** | **13.2** | **0.6** | ***** | **58.4** | **6.5** | **0.3** |

| Pesticide class | Production category | | | | | |
|---|---|---|---|---|---|---|
| | Flowering Plants | Bedding plants | Foliage plants | Floriculture propagation material | Herbaceous perennials | |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | |
| Herbicides | * | 0.1 | * | * | * | |
| Insecticides | 0.2 | 0.1 | * | * | 0.1 | |
| Fungicides | 0.8 | 0.4 | 0.1 | * | 4.1 | |
| Other chemicals | * | 0.3 | * | * | * | |
| **All** | **1.0** | **0.8** | **0.1** | **0.1** | **4.2** | |

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

# Agricultural Chemical Usage
## 2006 Dairy Cattle & Dairy Facilities

By Adam W. Pike

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

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

**Highlights:**

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

**Piperonyl butoxide –** PBO-8 (EC), Pyrenone 25-5 Pyrethrins 5% Spray, Pyrocide fogging Concentrate, Pyrenone General Purpose, DeLice Pour-On (Synergized), Purina Insecticide Mist, Purina Fly-A-Rest, Permectrin 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. Permectrin 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, Permectrin Fly and Louse Dust, Permectrin II 10% EC, Permectrin 25% WP, Permectrin Plus, Durasect, Brute Pour-on for Cattle, Permectrin CD Pour-On(aka Buzz Off), Repel-X RTU, Permethrin 20 MEC Spray, 5% Permethrin Pour-on, 0.25% Permethrin Dust, Raid Wasp and Hornet Killer 13, Synergized Pour-On, Unicom Backup Pour-On, Atroban 42.5% EC, Gardstar 40% EC, Genie Fogger X Insect Killer, MEC Permethrin Premise Spray, Back Side, Boss Pour-On, Backrubber Oil, Dragnet, Permectrin 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 Larvicide Premix, Mineral Block w/ Rabon

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

**Imidacloprid –** QuickBayt Fly Bait

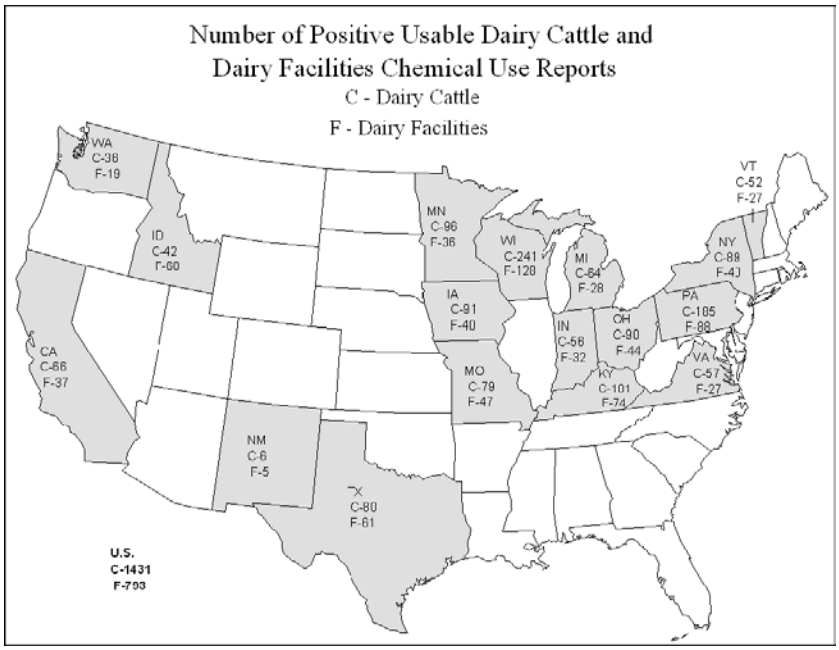
**Cyfluthrin –** Tempo 20 WP, Countdown WP Premise Insecticide, Tempo2, Temp 2% Dust, Countdown EC Premise, Temp SC Ultra, CyLence Pour-On, Prozap CyLence Animal Insecticide Dust

**Piperonyl butoxide** (previously mentioned)

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

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

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




## Dairy Cattle: Agricultural Chemical Use Pennsylvania, 2006

| Agricultural chemical | Rate per head per application | Rate per head per year | Total applied |
|---|---|---|---|
| | (grams) | (grams) | (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:**

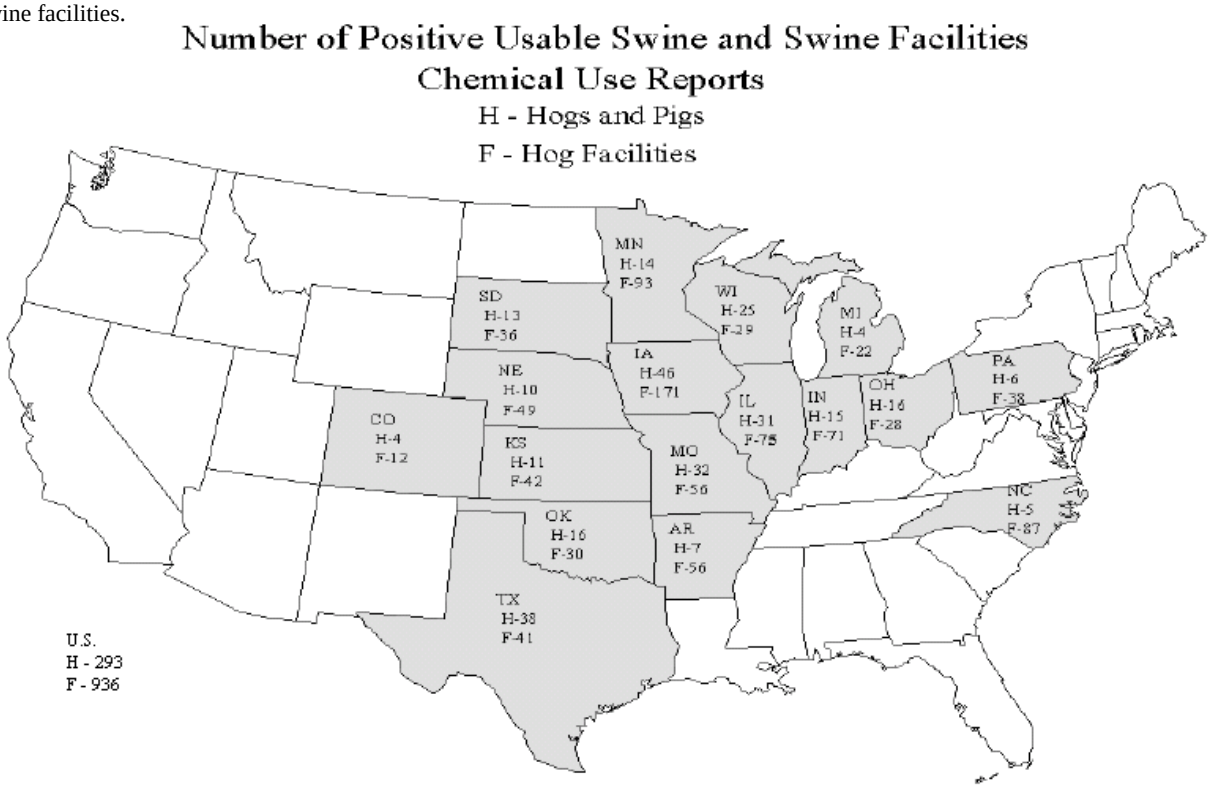
**Swine:** Agricultural producers applied 22,856 pounds of insecticides to hogs and pigs in the 17 Program States in 2005. Phosmet, at 12,154 pounds, was the top active ingredient used on swine with respect to total quantity used, followed by Malathion at 5,415 pounds, and Tetrachlorvinphos (Z-isomer) 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.



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

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

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

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

| Agricultural chemicals | Total applied |
|---|---|
| | (pounds) |
| Insecticides: | |
| Abamectin | * |
| Acephate | * |
| 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.

# Agricultural Safety: 2009 Injuries to Youth on Farms

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

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

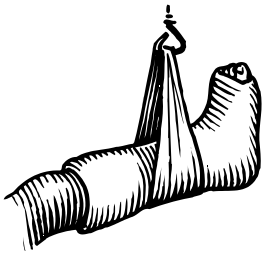
These findings are based on a series of telephone surveys of farms conducted for the National Institute for Occupational Safety and Health (NIOSH). Farm operators were asked questions about injuries to youth less than 20 years of age that occurred on their farms in four separate surveys covering the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

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

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

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

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



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

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

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

[1] Estimated number of farms still in business based on the farm operator youth farm injury study.
[2] Total youth population on farms, including hired youth, visitors and relatives, whether working or non-working.
[3] Includes work-related and non-work-related injuries.
[4] Hired youth and working household youth.

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

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

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

[1] Estimated number of farms still in business based on the youth farm injury study.
[2] Total youth population living on farms, whether working or non-working.
[3] Includes work-related and non-work-related injuries.

# Organic Farming

By Mark A. Linstedt

***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.

### Organic Farms – Top States

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

**Organic Sales in Pennsylvania:** In 2008, Pennsylvania certified and exempt organic farms had $212.7 million in total sales – $126.5 million in crop sales and $86.2 million in sales of livestock, poultry and their products. Pennsylvania organic farms had average annual sales of $363,036, compared to the $91,965 average for Pennsylvania farms overall, as reported in the 2007 Census of Agriculture.

### Organic Sales – Top States

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

### Pennsylvania and United States: Organic Sales – Top Categories

| Category | PA 2008 Organic Sales | U.S. 2008 Organic Sales | PA % of Total Organic Sales | U.S. % of Total Organic Sales |
|---|---|---|---|---|
| | (dollars) | (dollars) | (percent) | (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 | Percent of farms |
|---|---|---|
| | (number) | (percent) |
| Regulatory problems | 213 | 42.3 |
| Production problems | 92 | 18.3 |
| Management issues | 74 | 14.7 |
| Price issues | 45 | 8.9 |
| Market access | 43 | 8.5 |
| Other | 37 | 7.3 |

**Production Practices:** Farmers and ranchers reported using a variety of conservation and environmental practices on their certified or exempt operations in 2008. Among the most popular were the use of green or animal manures and the planting of buffer strips.

**Pennsylvania and United States: Production Practices, 2008**

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

**Production Expenses:** Pennsylvania certified and exempt organic farms incurred production expenses totaling $169.1 million – or an average of $293.131 per farm - in 2008. This is higher than the $77,721 average for all farms in Pennsylvania, as reported in the 2007 Census of Agriculture. The largest expenses were labor, at $44.6 million, and feed purchases, at $35.8 million. Other significant expenses were fertilizer, lime and soil conditioners; and repairs, supplies and maintenance.

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

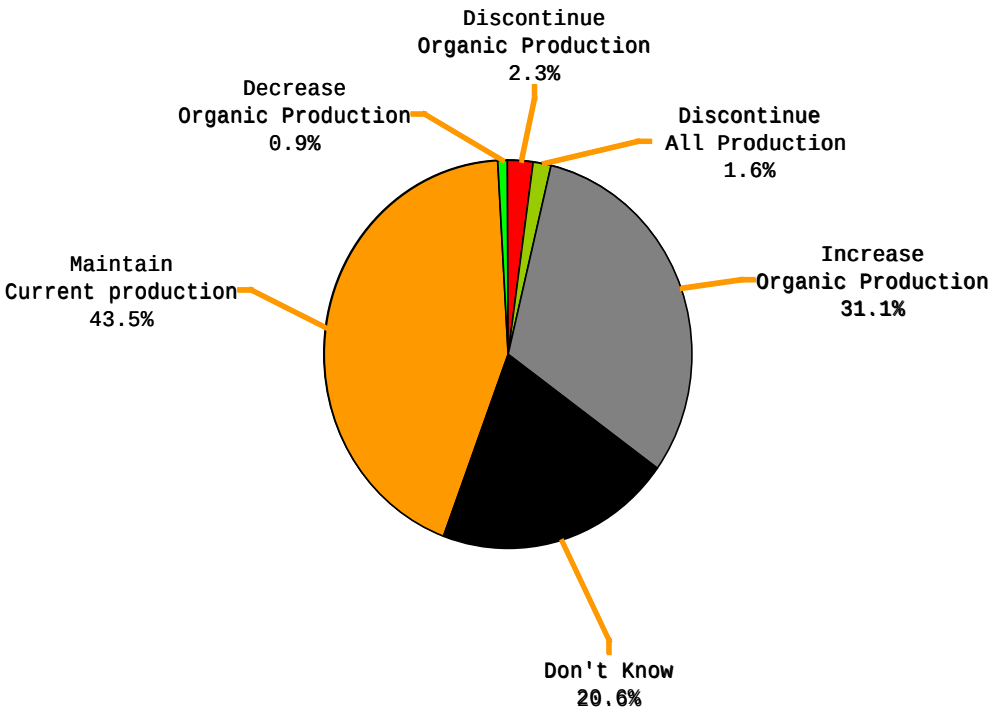
## Marketing Outlets

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

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

## Producers' 5-Year Plans

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




2008 Organic Production Survey

For more information:

www.nass.usda.gov

www.agcensus.usda.gov

Agricultural Statistics Hotline
(800) 727-9540

# Farm and Ranch Irrigation

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

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

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

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

In Pennsylvania, a total of 562 farms report 880 wells capable of being used, of which 786 are being utilized. The average depth reported on those wells is 214 feet, with an average of 82 feet to water depth, 175 feet to the depth of the bowels, and an average of 123 gpm pumping capacity. The average operating pressure reported was 33 psi with an average engine size of 16 hp operating at an average of 387 hours.

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

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

# On-Farm Energy Production

By Sherry S. Deane

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

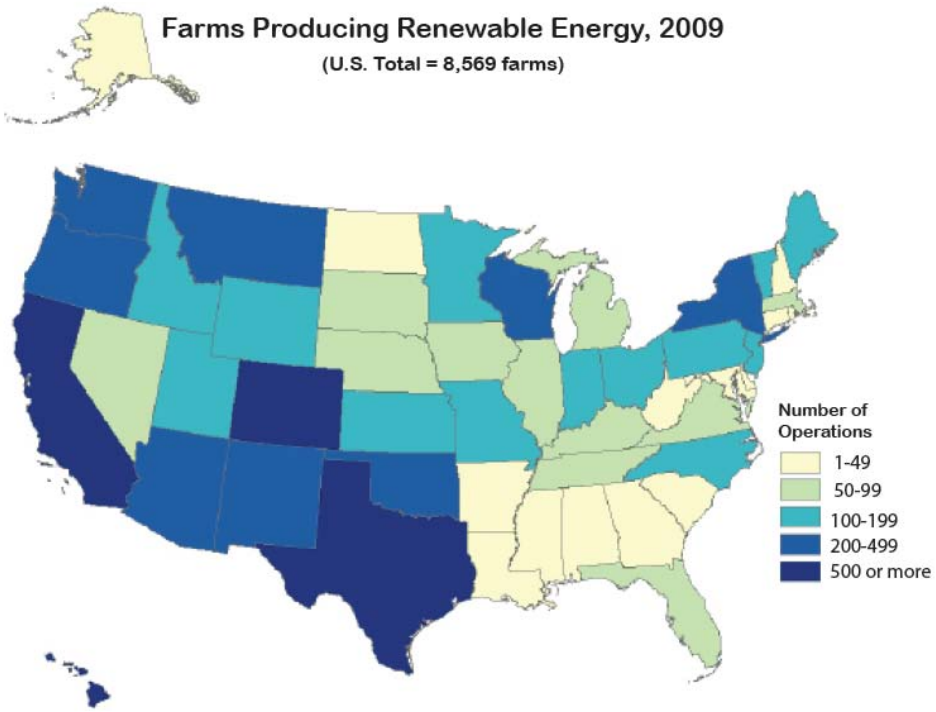
The 2009 On-Farm Renewable Energy Production Survey (OREPS) was the first energy survey conducted. Conducted as a follow-on to the most recent Census of Agriculture, the 2009 On-Farm Renewable Energy Production Survey focused on three principal renewable energy systems: solar panels, wind turbines and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

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

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

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

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



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

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

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

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

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

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

[1] Only includes positive reported data. Operations that reported zero or failed to report are not included.
[2] Numbers may not add to total number of digesters. Only includes operations reporting year installed.
(D) Withheld to avoid disclosing data for individual farms.

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

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

[1] Only includes positive reported data. Operations that reported zero or failed to report are not included.
[2] Only includes operations reporting year installed.

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

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

[1] Only includes positive reported data. Operations that reported zero or failed to report are not included.
[2] Numbers may not add to total number of turbines. Only includes operations reporting year installed.
(X) Not Applicable.
(D) Withheld to avoid disclosing data for individual farms.

# What is 'Ag Statistics' All About?

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

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

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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.

**Continued - - - -**

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

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

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

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

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

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

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

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

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

## Where can I get more statistics or economic analysis?

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

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

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

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

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

## How can I get State publications from NASS field offices?

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

### Sources of Agricultural Information in USDA

| | USDA/NASS | USDA/ERS | USDA/WAOB |
|---|---|---|---|
| **Customer Service:** | **800-727-9540** | **202-694-5050** | **202-720-5447** |
| **Address:** | Rm 5805 South Building<br>1400 Independence Ave., SW<br>Washington, D.C. 20250-2000 | 1800 M Street, NW<br>Room N 3050<br>Washington, D.C. 20036-5831 | Rm 4419 South Building<br>1400 Independence Ave., SW<br>Washington, D.C. 20250 |
| **FAX:** | 202-690-2090<br>Fax to retrieve data: 202-720-2000 | 202-694-5689<br>Fax to retrieve data: 202-694-5700 | 202-720-4043 |
| **E-mail:** | nass@nass.usda.gov (Washington, DC)<br>nass-pa@nass.usda.gov (Pennsylvania)<br>nass-xx@nass.usda.gov<br>(xx is the state abbreviation) | service@ers.usda.gov | bchapin@oce.usda.gov<br>202-720-5447 |
| **Internet:** | www.nass.usda.gov | www.ers.usda.gov | www.usda.gov/oce/commodity/ |

**National specialists** are available to answer your questions by phone or E-mail. See these Internet sites for telephone numbers and E-mail addresses:

**Statistics from USDA, NASS** 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,
Phone: 800-263-1136 E-mail: infostats@statcan.gc.ca Internet: www.statcan.gc.ca

# Pennsylvania Reports Available

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

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

| | | Publication | Annual Subscription Fee |
|---|---|---|---|
| ❑ | 995 | PENNSYLVANIA AGRICULTURAL STATISTICS SUMMARY -- issued annually during the fall. Contains county data for major agricultural items. | **ONLY AVAILABLE ONLINE AT THIS TIME** |
| ❑ | 986 | ANNUAL DAIRY PRODUCTS -- issued in June. Summary of dairy products manufactured in Pennsylvania for the previous year. | $3.00 |
| ❑ | 990 | MACHINERY CUSTOM RATES -- issued in March. Shows charges by custom operators for various farming activities for the current year. | $3.00 |
| ❑ | 985 | WEEKLY CROP & WEATHER ROUNDUP -- issued weekly April-November. Covers weather conditions, crop planting progress, crop development and harvesting progress. | $15.00 |

***Remember . . . . . these reports are free to farmers, agri-businesses, news media, government and educational institutions !***

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## *How to order:*

- ***Call our toll-free telephone number at 1-800-498-1518***
- ***Visit us online at www.nass.usda.gov/pa/***
- ***Mail (address below) or fax (1-800-498-1548) this form to our office.***

***(Please include your check or money order payable to USDA/NASS)***

*Mail form to: USDA/NASS-PA Field Office*
*4050 Crums Mill Road, Suite 203*
*Harrisburg, PA 17112-2875*

Company or personal name _____

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City _____ State _____

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# National Reports Available

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

*These reports include all states. Although National reports are available through E-mail and the Internet at no charge, paper reports are still available for a fee. For details, see the section named 'Need More Information' (page 153).*

## NASS Reports Arranged by Title [1]

- Acreage
- Adult Agricultural Related Injuries
- Agricultural Cash Rents
- Agricultural Chemical Usage
- Agricultural Land Values & Cash Rents
- Agricultural Prices
- Agricultural Safety
- Broiler Hatchery
- Capacity of Refrigerated Warehouses
- Catfish Feed Deliveries
- Catfish Losses to Wildlife
- Catfish Processing
- Catfish Production
- Cattle
- Cattle on Feed
- Cattle Death Loss
- Census of Agriculture
- Cherry Production
- Chickens and Eggs
- Childhood Agricultural Injuries
- Citrus Fruits
- Cold Storage
- Corn, Soybeans & Wheat Sold Through Marketing Contracts
- Cotton Ginnings
- Cranberries
- Crop Production
- Crop Progress
- Crop Values
- Dairy Products
- Dairy Products Prices
- Egg Products
- Equine
- Ethanol Co-Products Used Livestock Feed
- Farm Computer Usage & Ownership
- Farm Labor
- Farm Production Expenditures
- Farms, Land in Farms, & Livestock Operations
- Farm & Ranch Safety Survey
- Floriculture Crops
- Fruit & Tree Nuts: Blooming, Harvesting, Marketing Dates
- Fruit & Wildlife Damage
- Grain Stocks
- Hatchery Production
- Hogs & Pigs (Quarterly - Monthly )
- Honey
- Hop Stocks
- Land Values & Cash Rents
- Layers & Egg Production
- Licensed Dairy Herds
- Livestock Slaughter
- Meat Animals Production, Disposition, & Income
- Milk Production
- Milk Production, Disposition & Income
- Milkfat Prices
- Mink
- Minnesota Wisconsin Manufacturing Grade Milk
- Mushrooms
- National Hop Report
- Non-Ambulatory Cattle & Calves
- Non-Ambulatory Sheep & Goats
- Noncitrus Fruits & Nuts Preliminary
- Noncitrus Fruits & Nuts
- Nursery Crops
- Overview of the U.S. Dairy Industry
- Peanut Prices
- Peanut Stocks & Processing
- Pest Management Practices
- Potato Stocks
- Potatoes
- Poultry - Production & Value
- Poultry Slaughter
- Price Reactions After USDA Crop Reports
- Price Reactions After USDA Livestock Reports
- Prospective Plantings
- Rice Stocks
- Sheep & Goats
- Sheep & Goats Death Loss
- Small Grains
- Trout Production
- Turkey Hatchery
- Turkeys Raised
- U.S. Broiler and Egg Production Cycles
- U. S. Broiler Industry Structure
- Usual Planting & Harvesting Dates for U.S. Field Crops
- Usual Planting & Harvesting Dates for Fresh Market & Processing Vegetables
- U.S. Hog Breeding Herd Structure
- U.S. Wildlife Damage
- U.S. & Canadian Cattle
- U.S. & Canadian Hogs and Pigs
- Vegetables
- Weekly Weather & Crop Bulletin
- Winter Wheat Seedings
- Wool and Mohair

[1] See website for report descriptions and release dates at **www.nass.usda.gov/Publications/Reports_By_Title/index.asp**

# NASS Confidentiality Pledge

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

1. **Names, addresses, and personal identifiers are fully protected by NASS with the force of law.**

After data collection, the National Agricultural Statistics Service (NASS) processes the data independent of names and addresses. Original paper questionnaires are kept in a secure area, and then destroyed as prescribed by law. Names, addresses, phone numbers, and other personal identifiers are held securely by NASS and used only to conduct official business. Title 7, U.S. Code, Section 2276 and the Confidential Information Protection and Statistical Efficiency Act prohibit public disclosure of individual information. Personal information, including reported data, is protected from legal subpoena and Freedom of Information Act requests.

**2. Only authorized persons working for NASS as employees or sworn agents, who are subject to fines and imprisonment for unauthorized disclosure, can access individual record data and only for approved official purposes.**

All information collected by NASS about individuals or operations under a pledge of confidentiality is protected by law. Every person working for or in cooperation with NASS – from the Agency Administrator to the person collecting the information – signs a confidentiality form which states that no confidential reported information will be compromised. This includes sworn agents who are authorized by NASS to provide data collection support or statistical research. Any offender is subject to a jail term (5 years), a fine ($250,000), or both.

**3. Data security is a top priority during preparation of NASS reports.**

Official USDA statistics issued by the NASS Agricultural Statistics Board (ASB) are prepared under tight security until public release of the reports at preannounced dates and times. The ASB restricts prerelease access to and communication about survey and census results. In many cases, a locked area with a uniformed guard is employed to prevent premature disclosure of market-sensitive information. NASS official statistics are released to everyone at the same time. Reports are available on the Internet within seconds of the scheduled release.

**4. Published statistics from NASS surveys and censuses will not disclose reported data from an individual.**

Individual participants in a NASS survey can rest assured that summary data will not be published in a way that would identify them or data for their operation without their written permission. For instance, if only one farm in a county produced a particular crop, then NASS will protect the privacy of that individual farm by combining the data for that crop with reports from other counties to publish only combined totals.

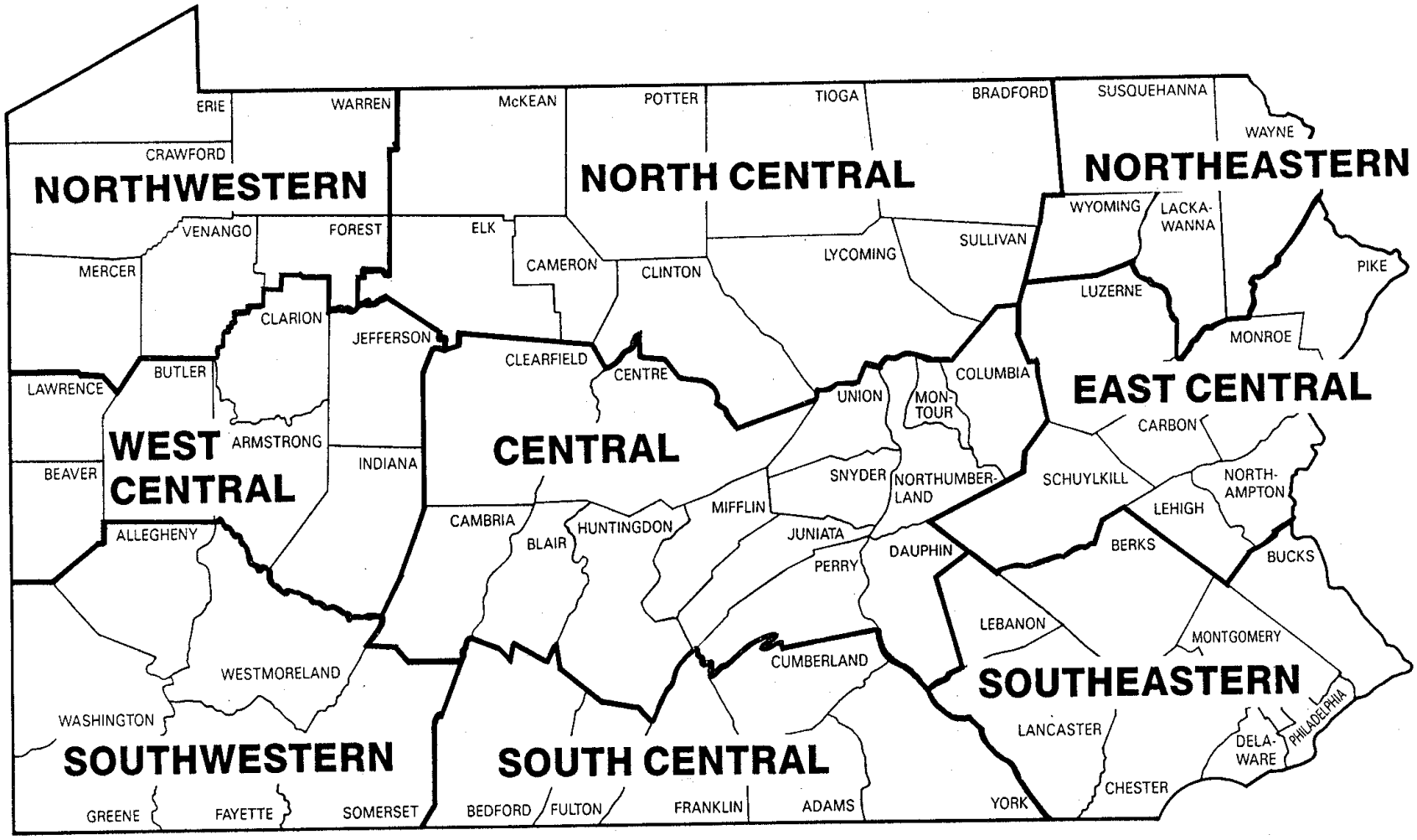
## When NASS Collects Data for Other Statistical Purposes:

**1. NASS will clearly communicate to participants the survey purpose, the names of any cooperating sponsors, how the data will be used, and the confidentiality protections provided.**

Data collection for other agencies under the NASS pledge of confidentiality will afford the same protections described in 1 through 4 above. Data collected for analysis by a sponsoring agency will have all personal identifiers, such as name, address, and telephone number, removed before access by the analyst. Analysts will sign confidentiality statements as sworn NASS agents. Results of the study are released to everyone free of charge. No organization is given ownership of the data, to eliminate the possibility of its having an advantage over others. NASS will not conduct a survey for private, proprietary purposes.

**2. Some data collected by NASS are required by law and subject to audit.**

Requests for data required by law and subject to audit will clearly indicate that the reports have different confidentiality protections than described earlier since the data may be audited. NASS and the participating authority that conducts the audits will protect individually reported data to the maximum extent provided under the law, and will work directly with reporting entities to resolve discrepancies discovered in the audit process. Summary statistics are provided to the USDA agency responsible for administering the specific programs that rely upon the required data. Program results are released at the discretion of the administering agency without revealing data reported from an individual.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