



Aquaculture Statistics Program

Cooperating with the Pennsylvania Department of Agriculture
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Pennsylvania's trout growers produced trout valued at \$16.4 million in 2015. Commercial trout producers sold 1.23 million pounds of trout, valued at \$6.1 million during 2015, ranking third nationally behind Idaho and North Carolina. Pennsylvania farmers also produced trout valued at \$10.3 million for conservation and recreational purposes.

Pennsylvania rank second for the value of trout distributed for conservation and recreational purposes, behind Washington's \$19.5 million. Pennsylvania accounts for 8.8 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 3.1 million fish 12 inches or longer, 6.6 million 6-12" fish, and 609,000 1-6" fish.

Sales of food fish trout 12 inches or longer in Pennsylvania totaled 1.1 million pounds. Averaging \$4.91 per pound, compared to \$4.28 last year and \$1.66 nationally. Total sales of 12 inch and larger trout were valued at \$5.2 million.

Sales of food fish trout 6 to 12 inches long by Pennsylvania growers totaled 420,000 fish or 176,000 pounds live weight during 2015. This was down 14,000 lbs from a year ago. They were sold at an average of \$5.15 a pound, which is down \$0.35/lb from last

year. Total sales of 6-12" trout in Pennsylvania were valued at \$906,000.

Sales of trout 1 to 6 inches long by Pennsylvania growers totaled 145,000 fish or 6,000 pounds live weight during 2015. These fish were sold at an average of \$416 per thousand fish, compared to \$336 last year and \$181 nationally. Total sales of 1 to 6 inch trout were valued at \$60,000. Total losses of all Pennsylvania trout intended for sale were 768,000 fish during 2015, or 214,000 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 104.4 million dollars for 2015, an increase of 0.1 percent from 2014. Idaho accounted for 47.3 percent of the total value of fish sold.

Pennsylvania and U.S.: Trout Sales and Value by Size, 2014-2015

Size category	Number of fish		Total pounds sold		Total value of sales		Average value	
	2014 (1,000)	2015 (1,000)	2014 (1,000)	2015 (1,000)	2014 (1,000 dollars)	2015 (1,000 dollars)	2014 (dollars)	2015 (dollars)
Pennsylvania								
12" or longer	880	910	1,030	1,050	4,408	5,156	4.28/lb.	4.91/lb.
6" - 12"	510	420	190	176	1,045	906	5.50/lb.	5.15/lb.
1" - 6"	350	145	9	6	118	60	336/thou	416/thou
Total	1,740	1,475	1,229	1,232	5,571	6,122	-	-
United States								
12" or longer	48,285	45,350	60,733	57,947	95,741	96,437	1.58/lb.	1.66/lb.
6" - 12"	5,165	4,900	1,781	1,833	5,858	6,422	3.29/lb.	3.50/lb.
1" - 6"	8,350	8,470	206	224	1,373	1,474	179/thou	177/thou
Total	61,800	58,720	62,720	60,004	102,972	104,333	-	-

Pennsylvania: Trout Sales and Value, 2003-2013

State and year	Number of fish (1,000)	Total pounds sold (1,000)	Total value of sales (1,000 dollars)	Average value 6" - 12" (dollars/lb.)
Pennsylvania				
2003		2,150	1,679	3.80
2004		1,800	1,371	3.80
2005		2,070	1,515	4.00
2006		2,290	1,610	4.65
2007		1,890	1,635	5.10
2008		2,420	1,668	4.41
2009		2,320	1,614	4.14
2010		2,250	1,585	3.13
2011		2,455	1,812	3.17
2012		(D)	(D)	3.66
2013		1,470	1,235	4.16

AQUACULTURE CENSUS

Pennsylvania aquaculture product producers reported sales totaling \$8.6 million in the 2015 Census of Aquaculture conducted in February through March 2016. This is a 24 percent increase compared to 2013.

Sales of trout comprised 71 percent of the total aquaculture sales. The remainder was made up of non-trout food fish, sport and game fish, baitfish, crustaceans, mollusks, ornamental fish, and other animal aquaculture (tadpoles, frogs, trout eggs, etc.).

Pennsylvania: Aquaculture Products by Type – Number of Operations and Value of Sales, 2011-2015 ¹							
Class	Number of Operations with Sales ²			Value of Sales ³			Percent Change from 2013
	2011	2013 ⁴	2015	2011	2013 ⁴	2015	
	Number	Number	Number	Dollars	Dollars	Dollars	Number
Trout	38	36	(D)	6,265,000 ⁵	5,363,000	6,122,000 ⁵	14%
Non-trout Foodfish	12	8	9	(D)	351,000	(D)	(D)
Baitfish	12	6	11	737,788	270,000	492,504	82%
Ornamental and Aquarium fish	10	16	16	(D)	615,000	778,403	27%
Sport/Game fish	11	11	11	257,916	(D)	243,738	(D)
Mollusks	8	1	6	(D)	(D)	12,631	(D)
Crustaceans	9	0	0	(D)	0	0	---
Other Aquaculture (including trout eggs)	10	6	9	16,550	29,000	20,451	-29%
All Aquaculture	64	56	55	9,991,901	6,927,005	8,588,214	24%

(D) = Cannot be disclosed 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 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. ⁴ Number of operations and sales are from the national Census of Aquaculture. Species in certain categories may differ between the national Census of Aquaculture and the Pennsylvania Aquaculture Census. ⁵ Trout sales are from the NASS national trout survey.

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.

