

Trout Production

Released February 27, 2009, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on *Trout Production* call Bruce Boess at (202) 720-4447, office hours 7:30 a.m. to 4:00 p.m. ET.

Trout Value of Sales Decreased 9 Percent from 2007

The total value of fish sales received by trout growers in the United States totaled 79.7 million dollars for 2008, a decrease of 9 percent from 2007. Idaho accounted for 44 percent of the total value of fish sold.

The number of **trout 12 inches and longer** sold during 2008 totaled 40.4 million fish, down 31 percent from the previous year. The average price per pound was \$1.38, up 19 cents from 2007. The value of sales for the 2008 marketing year was 72.4 million dollars, down 9 percent from 2007. For trout 12 inches or longer 58 percent were sold to processors and 24 percent were sold to fee and recreational fishing establishments.

The number of **6"- 12" trout** sold during 2008 totaled 4.61 million fish, a decrease of 15 percent from 2007. The average price per pound was \$3.02 during 2008, unchanged from the 2007 price. The total value of sales was 5.78 million dollars during 2008, a 11 percent decrease from the previous year. The major sales outlets for 6"-12" trout were to fee and recreational fishing establishments accounting for 39 percent of total sales, followed by government with 24 percent.

The number of **1"- 6" trout** sold during 2008 totaled 9.53 million, a 6 percent decrease from the previous year. The average value per 1,000 fish was \$157 during 2008, down from \$178 in 2007. The total value of sales was 1.50 million dollars, down 17 percent from last year's total.

Distributed Trout

Trout distributed for restoration, conservation, and recreational purposes, primarily by State and Federal hatcheries, included 8.6 million 12" or longer fish, 63.9 million 6"-12" fish, and 94.7 million 1"-6" fish. The estimated value of fish distributed totaled 103 million dollars, down 9 percent from 2007.

Trout Losses

Total losses of all trout intended for sale were 26.3 million fish during 2008. The top three categories were 87 percent lost to disease, 5 percent lost to drought, and 4 percent lost to predators.

Special Notes

The number of operations by State will no longer be published on an annual basis. State level numbers will only be published in conjunction with the Census of Agriculture every five years. The number of operations at the U.S. level will continue to be published on an annual basis. Operations for 2008 were revised at the U.S. and State level based on the Census of Agriculture. No new information is available to revise operations data for prior years.

State level numbers for percent sold by point of first sale and trout lost by cause have been discontinued. Distributed trout eggs by region and the United States have also been discontinued for 2008.

**Trout: Number of Operations Selling and/or Distributing Fish and/or Eggs,
by State and United States, 2007-2008**

State	Total		Selling Trout		Distributing Trout ¹	
	2007 ²	2008 ³	2007 ²	2008 ³	2007 ²	2008 ³
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AR	5				5	
CA	43		19		32	
CO	36		14		24	
GA	15		11		6	
ID	52		29		24	
MI	38		31		7	
MO	12		6		6	
NY	47		32		24	
NC	71		59		12	
OR	57		20		38	
PA	229		59		173	
UT	25		13		13	
VA	35		22		13	
WA	113		14		99	
WV	23		15		10	
WI	67		45		26	
Oth Sts ⁴	256		136		126	
US	1,124	1,018	525	463	638	584

¹ Trout distributed for restoration, conservation, or recreational purposes.

² Revised.

³ State level number of operations will only be published every five years in conjunction with the Census of Agriculture.

⁴ Other States include State estimates not listed and States suppressed due to disclosure.

**Trout: Value of Fish Sold and Distributed, by State (excluding eggs),
and United States (excluding and including eggs), 2007-2008**

State	Total Value of Fish Sold		Total Value of Distributed Fish	
	2007 ¹	2008	2007 ¹	2008
	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
AR			*	*
CA	5,985	8,318	11,711	15,268
CO	2,557	621	4,684	6,733
GA	378	547	*	*
ID	46,631	35,321	6,939	7,271
MI	848	1,027	1,220	1,078
MO	2,131	2,245	1,761	1,823
NY	430	841	*	*
NC	6,632	7,135	1,071	1,279
OR	1,114	952	4,664	4,252
PA	5,212	5,427	23,237	14,691
UT	436	535	*	*
VA	1,411	1,605	1,910	1,876
WA	5,329	5,805	9,064	9,154
WV	359	777	*	*
WI	1,590	1,421	2,895	2,650
Oth Sts ²	6,813	7,132	43,411	36,518
US ³	87,856	79,709	112,567	102,593
US ⁴	95,476	86,356	115,180	

* Not published to avoid disclosure of individual operations.

¹ Revised.

² Other States include State estimates not listed and States suppressed due to disclosure.

³ Excludes value of eggs.

⁴ Includes value of eggs. Beginning in 2008, total value of distributed fish will no longer be published.

**Trout Sales by Size Category, by State
and United States, 2007-2008**

Size Category and State	Number of Fish		Live Weight				Sales			
			Total		Average per Fish		Total		Average Price per Pound	
	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008
	<i>1,000</i>	<i>1,000</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fish 12" or Longer										
AR										
CA	1,810	2,290	2,150	2,950	1.2	1.3	5,504	7,877	2.56	2.67
CO	760	*	682	*	0.9	*	2,230	*	3.27	*
GA	*	174	*	206	*	1.2	*	441	*	2.14
ID	45,400	27,600	49,900	35,400	1.1	1.3	46,407	35,046	0.93	0.99
MI	240	300	236	296	1.0	1.0	675	864	2.86	2.92
MO	*	*	*	*	*	*	*	*	*	*
NY	45	103	36	98	0.8	1.0	179	451	4.97	4.60
NC	4,020	3,820	4,400	3,550	1.1	0.9	5,500	6,390	1.25	1.80
OR	*	*	*	*	*	*	*	*	*	*
PA	1,080	1,340	1,410	1,460	1.3	1.1	4,033	4,336	2.86	2.97
UT	101	109	111	124	1.1	1.1	350	433	3.15	3.49
VA	590	640	586	634	1.0	1.0	1,272	1,433	2.17	2.26
WA	1,210	1,040	3,900	3,700	3.2	3.6	4,212	4,921	1.08	1.33
WV	184	305	202	450	1.1	1.5	335	775	1.66	1.72
WI	480	480	432	446	0.9	0.9	1,464	1,244	3.39	2.79
Oth Sts ²	2,754	2,200	2,865	3,096	1.0	1.4	7,362	8,221	2.57	2.66
US	58,674	40,401	66,910	52,410	1.1	1.3	79,523	72,432	1.19	1.38
Fish 6" - 12"										
AR										
CA	490	*	148	*	0.3	*	435	*	2.94	*
CO	*	*	*	*	*	*	*	*	*	*
GA	*	*	*	*	*	*	*	*	*	*
ID	*	*	*	*	*	*	*	*	*	*
MI	*	*	*	*	*	*	*	*	*	*
MO	*	*	*	*	*	*	*	*	*	*
NY	88	136	35	58	0.4	0.4	210	351	6.00	6.05
NC	790	420	395	204	0.5	0.5	679	396	1.72	1.94
OR	155	250	62	78	0.4	0.3	208	253	3.35	3.24
PA	410	540	204	202	0.5	0.4	1,040	891	5.10	4.41
UT	*	*	*	*	*	*	*	*	*	*
VA	*	*	*	*	*	*	*	*	*	*
WA	620	670	187	248	0.3	0.4	561	630	3.00	2.54
WV	*	*	*	*	*	*	*	*	*	*
WI	100	*	30	*	0.3	*	95	*	3.16	*
Oth Sts ²	2,758	2,592	1,100	1,122	0.4	0.4	3,294	3,256	2.99	2.90
US	5,411	4,608	2,161	1,912	0.4	0.4	6,522	5,777	3.02	3.02

See footnote(s) at end of table.

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**Trout: Sales by Size Category, by State
and United States, 2007-2008 (continued)**

Size Category and State	Number of Fish		Live Weight				Sales			
			Total		Average per 1,000 Fish		Total		Average Price per 1,000 Fish	
	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008
	<i>1,000</i>	<i>1,000</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fish 1" - 6"										
AR										
CA	330	*	11	*	33.3	*	46	*	140	*
CO	*	*	*	*	*	*	*	*	*	*
GA		*	*	*	*	*	*	*	*	*
ID	*	*	*	*	*	*	*	*	*	*
MI	*	*	*	*	*	*	*	*	*	*
MO	*	*	*	*	*	*	*	*	*	*
NY	65	88	2	4	30.8	45.5	41	39	626	448
NC	3,510	3,360	114	48	32.5	14.3	453	349	129	104
OR	*	*	*	*	*	*	*	*	*	*
PA	400	540	21	6	52.5	11.1	139	200	348	370
UT	*	*	*	*	*	*	*	*	*	*
VA	*	*	*	*	*	*	*	*	*	*
WA	2,750	980	94	36	34.2	36.7	556	254	202	259
WV	*	*	*	*	*	*	*	*	*	*
WI	156	*	6	*	38.5	*	31	*	199	*
Oth Sts ²	2,936	4,557	148	103	50.4	22.6	545	658	186	144
US	10,147	9,525	396	197	39.0	20.7	1,811	1,500	178	157

* Not published to avoid disclosure of individual operations.

¹ Revised.

² Other States include State estimates not shown and States suppressed due to disclosure.

Trout Eggs: Sales by State, Region, and United States, 2007-2008

Region ¹	Number of Eggs		Average Price per 1,000 Eggs		Total Sales	
	2007 ²	2008	2007 ²	2008	2007 ²	2008
	<i>1,000</i>	<i>1,000</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
Northeast	551	599	21.80	23.40	12	14
South and Central	806	570	19.90	24.60	16	14
West	398,057	363,813	19.10	18.20	7,592	6,619
WA	389,000	356,000	19.20	18.30	7,469	6,515
US	399,414	364,982	19.10	18.20	7,620	6,647

¹ Regional listing on page 9.

² Revised.

**Trout: Percent Sold by Point of First Sale,
United States, 2007-2008^{1 2}**

Category	12" or Longer		6" - 12"	
	2007 ³	2008	2007 ³	2008
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Live Haulers	5.2	5.9	12.3	8.2
Fee and Recreational Fishing	17.0	23.5	43.9	38.8
Other Producers	3.4	2.2	15.8	12.4
Government	1.6	0.7	12.4	24.3
Direct to Consumers	3.5	3.5	12.0	8.4
Processors	64.4	58.4	0.8	1.4
Restaurant and Retail	4.4	5.4	0.8	2.9
Other	0.5	0.3	2.1	3.7

¹ Excludes distributed fish.

² Percentages may not add to 100 due to rounding.

³ Revised.

**Trout Lost, Intended for Sale: Number and Pounds by Cause,
United States, 2007-2008**

Category	2007 ¹		2008	
	Number Lost	Pounds Lost	Number Lost	Pounds Lost
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
Disease	28,108	4,469	22,760	3,719
Theft	30	25	26	34
Chemicals	24	13	23	4
Drought	1,425	776	1,428	610
Flood	96	70	164	143
Predators	2,730	915	1,181	610
Other	466	314	706	366
Total	32,879	6,582	26,288	5,486

¹ Revised.

**Trout Lost, Intended for Sale: Number and Pounds
by State and United States, 2007-2008**

State	2007 ¹		2008	
	Number Lost	Pounds Lost	Number Lost	Pounds Lost
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
AR				
CA	215	125	194	157
CO	296	28	63	15
GA	90	44	20	10
ID	27,744	4,038	21,936	3,505
MI	82	39	144	75
MO	336	43	305	37
NY	33	6	48	26
NC	1,659	1,266	1,807	668
OR	55	6	100	27
PA	553	300	334	161
UT	256	75	50	19
VA	803	246	293	74
WA	96	109	124	148
WV	59	26	85	45
WI	171	50	349	75
Oth Sts ²	431	181	436	444
US	32,879	6,582	26,288	5,486

¹ Revised.

² Other States include State estimates not shown and States suppressed due to disclosure.

**Distributed Trout by Size Category, by State
and United States, 2007-2008**

Size Category and State	Number of Fish		Live Weight				Sales			
			Total		Average Pounds per Fish		Total		Average Value per Pound	
	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008
	<i>1,000</i>	<i>1,000</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fish 12" or Longer										
AR	*	*	*	*	*	*	*	*	*	*
CA	3,270	*	3,250	*	1.0	*	5,818	*	1.79	*
CO	*	*	*	*	*	*	*	*	*	*
GA	*	*	*	*	*	*	*	*	*	*
ID	*	*	*	*	*	*	*	*	*	*
MI	*	*	*	*	*	*	*	*	*	*
MO	*	*	*	*	*	*	*	*	*	*
NY	*	*	*	*	*	*	*	*	*	*
NC	340	500	342	407	1.0	0.8	530	842	1.55	2.07
OR	*	*	*	*	*	*	*	*	*	*
PA	17	240	20	244	1.2	1.0	76	764	3.79	3.13
UT	*	*	*	*	*	*	*	*	*	*
VA	660	750	463	580	0.7	0.8	1,134	1,293	2.45	2.23
WA	152	157	182	159	1.2	1.0	637	557	3.50	3.50
WV	*	*	*	*	*	*	*	*	*	*
WI	15	7	33	14	2.2	2.0	142	38	4.29	2.69
Oth Sts ²	3,904	6,934	3,437	6,175	0.8	0.8	10,921	17,629	3.18	2.85
US	8,358	8,588	7,727	7,579	0.9	0.8	19,258	21,123	2.49	2.79
Fish 6" - 12"										
AR	*	*	*	*	*	*	*	*	*	*
CA	7,310	8,310	2,200	2,650	0.3	0.3	5,786	7,897	2.63	2.98
CO	3,870	3,380	1,550	1,310	0.4	0.4	4,201	3,720	2.71	2.84
GA	*	*	*	*	*	*	*	*	*	*
ID	*	*	*	*	*	*	*	*	*	*
MI	*	*	*	*	*	*	*	*	*	*
MO	*	*	*	*	*	*	*	*	*	*
NY	*	*	*	*	*	*	*	*	*	*
NC	*	*	*	*	*	*	*	*	*	*
OR	2,740	2,880	1,100	1,020	0.4	0.4	4,477	4,080	4.07	4.00
PA	9,180	5,480	4,600	2,550	0.5	0.5	21,712	13,005	4.72	5.10
UT	*	*	*	*	*	*	*	*	*	*
VA	*	*	*	*	*	*	*	*	*	*
WA	10,500	11,000	2,100	2,250	0.2	0.2	7,602	7,808	3.62	3.47
WV	*	*	*	*	*	*	*	*	*	*
WI	5,490	2,690	549	404	0.1	0.2	2,141	1,273	3.90	3.15
Oth Sts ²	32,840	30,110	10,557	9,363	0.3	0.3	33,260	30,649	3.15	3.27
US	71,930	63,850	22,656	19,547	0.3	0.3	79,179	68,432	3.49	3.50

See footnote(s) at end of table.

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**Distributed Trout by Size Category, by State
and United States, 2007-2008 (continued)**

Size Category and State	Number of Fish		Live Weight				Sales			
			Total		Average per 1,000 Fish		Total		Average Value per 1,000 Fish	
	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008	2007 ¹	2008
	<i>1,000</i>	<i>1,000</i>	<i>1,000 Pounds</i>	<i>1,000 Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Fish 1" - 6"										
AR	*	*	*	*	*	*	*	*	*	*
CA	2,400	*	168	*	70.0	*	107	*	45	*
CO	*	*	*	*	*	*	*	*	*	*
GA	*	*	*	*	*	*	*	*	*	*
ID	29,700	23,300	1,200	598	40.4	25.7	3,683	3,146	124	135
MI	2,610	2,440	101	58	38.7	23.8	133	131	51	54
MO	*	*	*	*	*	*	*	*	*	*
NY	*	*	*	*	*	*	*	*	*	*
NC	*	*	*	*	*	*	*	*	*	*
OR	*	*	*	*	*	*	*	*	*	*
PA	4,830	2,650	203	63	42.0	23.8	1,449	922	300	348
UT	*	*	*	*	*	*	*	*	*	*
VA	*	*	*	*	*	*	*	*	*	*
WA	7,170	11,300	264	190	36.8	16.8	825	789	115	70
WV	*	*	*	*	*	*	*	*	*	*
WI	3,000	3,030	105	80	35.0	26.4	612	1,339	204	442
Oth Sts ²	32,181	52,026	1,060	1,590	32.9	30.6	7,321	6,711	227	129
US	81,891	94,746	3,101	2,579	37.9	27.2	14,130	13,038	173	138

* Not published to avoid disclosure of individual operations.

¹ Revised.

² Other States include State estimates not shown and States suppressed due to disclosure.

Distributed Trout Eggs by Region and United States, 2007-2008

Region ¹	Number of Eggs		Average Value per 1,000 Eggs		Total Value of Sales	
	2007 ²	2008 ³	2007 ²	2008 ³	2007 ²	2008 ³
	<i>1,000</i>	<i>1,000</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 Dollars</i>	<i>1,000 Dollars</i>
Northeast	*		*		*	
South and Central	*		*		*	
West	89,998		19.20		1,725	
US ⁴	132,236		19.80		2,614	

* Not published to avoid disclosure of individual operations.

¹ Regional listing on Page 9.

² Revised.

³ Beginning in 2008, total value of distributed fish will no longer be published.

⁴ Due to disclosure, the sum of individual regions may not equal the total.

Reliability of Trout Production Estimates

Survey Procedures: Data for trout production are collected from all known producers. Individual NASS field offices maintain a list of all known trout producers and use known sources of producers to update their lists. All known trout producers are mailed a questionnaire as close as possible to January 1 and given adequate time to respond by mail. Those that do not respond by mail are telephoned or possibly enumerated in person during the middle of January. Care is exercised to ensure all operations are accounted for.

Estimation Procedures: Sound statistical methodology is employed to derive the estimates from reported data. All data are analyzed for unusual values. Data from each operation are compared to their own past operating profile and to trends from similar operations. Data for missing operations were estimated based on similar operations or historical data. NASS field offices prepare these estimates by using a combination of survey indications and historic trends. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision policy: Estimates for the previous year are subject to revision when current estimates are made. Revisions are the result of late or corrected data.

Reliability: Trout production estimates are based on a census of all known active producers and therefore, have no sampling variability. However, estimates are subject to errors such as omissions, duplication, and mistakes in reporting, recording, and processing the data. While these errors cannot be measured directly, they are minimized through strict quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Terms and Definitions Used for Trout Production Estimates

12" or Longer Fish: Grown commercially for food, usually weighing from three-fourths to one and one-half pounds.

6"- 12" Fish: Usually stockers that weigh less than three-fourths of a pound. They may be sold as foodsize fish.

Fingerlings: Fish usually from 1 to 6 inches long.

Live Haulers: Person who buys live fish on the farm and functions as a middleman.

Chemicals: Includes losses from pesticides or herbicide poisoning.

Disease: Includes losses from both parasitic and bacterial caused sickness.

Drought: Includes losses from lack of water causing oxygen depletion.

Floods: Includes losses from too much water washing the fish away.

Predators: Includes losses from mink, otters, birds, and other animals.

Theft/Vandalism: The unauthorized removal of fish and/or the destruction of property causing a loss of fish by intentional acts by persons known or unknown.

Regional Listing

Northeast: CT, DE, MA, MD, ME, NJ, NH, NY, PA, RI, VT.

Central: IA, IL, IN, KS, MI, MN, MO, ND, NE, OH, OK, SD, WI.

South: AL, AR, FL, GA, KY, LA, NC, MS, SC, TN, TX, VA, WV.

West: AK, AZ, CA, CO, HI, ID, MT, NM, NV, OR, UT, WA, WY.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information.

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Fleming Gibson - Poultry Slaughter, Turkey Hatchery, Turkeys Raised.....(202) 690-3237

Sharyn Lavender - Broiler Hatchery, Chicken Hatchery, Honey(202) 720-3244

Kim Linonis - Layers, Eggs(202) 690-8632

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