Trout Production

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Special Note

NASS is in the process of modifying report layouts in order to improve readability. This is the first issue produced using the new layout. This report issue is published using both layouts but future issues will only be produced using this layout. The previous layout is available on the NASS website: http://www.nass.usda.gov.

Trout Value of Sales Decreased 5 Percent from 2009

The total value of fish sales received by trout growers in the United States totaled 71.3 million dollars for 2010, a decrease of 5 percent from 2009. Idaho accounted for 49 percent of the total value of fish sold.

The number of trout 12 inches and longer sold during 2010 totaled 38.7 million fish, down 5 percent from the previous year. The average price per pound was $1.39, up 1 cent from 2009. The value of sales for the 2010 marketing year was 63.1 million dollars, down 6 percent from 2009. For trout 12 inches or longer, 64 percent were sold to processors and 17 percent were sold for recreational stocking.

The number of 6"-12" trout sold during 2010 totaled 5.27 million fish, a decrease of 5 percent from 2009. The average price per pound was $3.14 during 2010, up 26 cents from the 2009 price. The total value of sales was 6.34 million dollars during 2010, a 4 percent decrease from the previous year. The major sales outlets for 6"-12" trout were for recreational stocking accounting for 50 percent of total sales, followed by wholesale to other producers with 22 percent.

The number of 1"-6" trout sold during 2010 totaled 8.78 million, a 26 percent increase from the previous year. The average value per 1,000 fish was $218 during 2010, down from $232 in 2009. The total value of sales was 1.92 million dollars, up 18 percent from last year's total.

Distributed Trout

Trout distributed for restoration, conservation, and recreational purposes, primarily by State and Federal hatcheries, included 8.3 million 12" or longer fish, 65.0 million 6"-12" fish, and 80.7 million 1"-6" fish. The estimated value of fish distributed totaled 104.2 million dollars, up 4 percent from 2009.

Trout Losses

Total losses of all trout intended for sale were 18.4 million fish during 2010. Disease accounted for 80 percent of these losses, followed by predators, which totaled 9 percent.
Trout Operations Selling and/or Distributing Fish and/or Eggs – United States: 2009 and 2010

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

<table>
<thead>
<tr>
<th>United States</th>
<th>Total Selling trout</th>
<th>Distributing trout</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>(number)</td>
<td>(number)</td>
</tr>
<tr>
<td>2009</td>
<td>855</td>
<td>349</td>
</tr>
<tr>
<td>2010</td>
<td>814</td>
<td>320</td>
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</table>

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

Value of Trout Sold and Distributed – States and United States: 2009 and 2010

<table>
<thead>
<tr>
<th>State</th>
<th>Total value of fish sold (1,000 dollars)</th>
<th>Total value of distributed fish (1,000 dollars)</th>
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<tr>
<td></td>
<td>2009</td>
<td>2010</td>
</tr>
<tr>
<td>Arkansas</td>
<td>-</td>
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<tr>
<td>California</td>
<td>5,270</td>
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<td>Other States ¹</td>
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United States

<table>
<thead>
<tr>
<th></th>
<th>Value including eggs (1,000 dollars)</th>
<th>Value excluding eggs (1,000 dollars)</th>
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</thead>
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<tr>
<td>2009</td>
<td>100,500</td>
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<tr>
<td>2010</td>
<td>104,243</td>
<td>82,864</td>
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¹ Other States include State estimates not listed and States suppressed due to disclosure.

- Represents zero.

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

(NA) Not available.

Trout Production (February 2011)
USDA, National Agricultural Statistics Service
### Trout Sales by Size Category – States and United States: 2009 and 2010

<table>
<thead>
<tr>
<th>Size category and state</th>
<th>Number of fish</th>
<th>Live weight</th>
<th>Sales</th>
<th>Average price per pound</th>
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<tr>
<td></td>
<td>(1,000)</td>
<td>(1,000)</td>
<td>(1,000)</td>
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<tr>
<td>Fish 12&quot; or longer</td>
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<td>Arkansas</td>
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<td>(D)</td>
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<tr>
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<td>(D)</td>
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<td>(D)</td>
<td>(D)</td>
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<td>Virginia</td>
<td>(D)</td>
<td>(D)</td>
<td>(D)</td>
<td>(D)</td>
</tr>
<tr>
<td>Washington</td>
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<td>240</td>
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<td>3,500</td>
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<td>5,553</td>
<td>5,265</td>
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<td>2,021</td>
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</table>

See footnote(s) at the end of table.

--continued
## Trout Sales by Size Category – States and United States: 2009 and 2010 (continued)

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<thead>
<tr>
<th>Size category and state</th>
<th>Number of fish</th>
<th>Live weight</th>
<th>Sales</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Total ¹</td>
<td>Average per 1,000 fish</td>
<td>Total ²</td>
</tr>
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<td>(1,000) (1,000) pounds</td>
<td>(1,000 pounds)</td>
<td>(pounds)</td>
<td>(pounds)</td>
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<tr>
<td>Fish 1&quot; - 6&quot;</td>
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<tr>
<td>Arkansas</td>
<td>(D)</td>
<td>(D)</td>
<td>(D)</td>
</tr>
<tr>
<td>California</td>
<td>(D)</td>
<td>(D)</td>
<td>(D)</td>
</tr>
<tr>
<td>Colorado</td>
<td>(D)</td>
<td>(D)</td>
<td>(D)</td>
</tr>
<tr>
<td>Georgia</td>
<td>(D)</td>
<td>(D)</td>
<td>(D)</td>
</tr>
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<td>Idaho</td>
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<td>(D)</td>
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<td>Virginia</td>
<td>(D)</td>
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<tr>
<td>Washington</td>
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<td>(D)</td>
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<td>Wisconsin</td>
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<td>110</td>
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<td>Other States ³</td>
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<tr>
<td>United States</td>
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</table>

- Represents zero.

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

¹ Due to rounding, total number of fish multiplied by the average pounds per unit may not exactly equal total live weight.

² Due to rounding, total number or liveweight multiplied by average value per unit may not exactly equal total sales.

³ Other States include State estimates not shown and States suppressed due to disclosure.

## Trout Egg Sales – United States: 2009 and 2010

<table>
<thead>
<tr>
<th>United States</th>
<th>Number of eggs</th>
<th>Average price per 1,000 eggs</th>
<th>Total sales ¹</th>
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<tr>
<td></td>
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<td>(dollars)</td>
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<tr>
<td>2009</td>
<td>358,750</td>
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<td>2010</td>
<td>383,695</td>
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¹ Total sales may not add due to rounding.
Trout Sold by Point of First Sale – United States: 2009 and 2010
[Excludes distributed fish. Percentages may not add to 100 due to rounding]

<table>
<thead>
<tr>
<th>Category</th>
<th>12&quot; or longer</th>
<th>6&quot; - 12&quot;</th>
<th>12&quot; or longer</th>
<th>6&quot; - 12&quot;</th>
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<tbody>
<tr>
<td></td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
</tr>
<tr>
<td>Live haulers and brokers</td>
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<td>Recreational stocking</td>
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<td>Wholesale to other producers</td>
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<td>3.0</td>
<td>4.8</td>
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<td>Government agencies</td>
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<td>1.8</td>
<td>14.5</td>
<td>10.8</td>
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<tr>
<td>Direct to consumers</td>
<td>5.4</td>
<td>6.2</td>
<td>14.4</td>
<td>9.6</td>
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<tr>
<td>Processors</td>
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<td>63.8</td>
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<td>Retail outlets</td>
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- Represents zero.

Trout Lost, Intended for Sale, by Cause – United States: 2009 and 2010

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<th>2010</th>
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</thead>
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<tr>
<td></td>
<td>Number lost</td>
<td>Pounds lost</td>
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<tr>
<td></td>
<td>(1,000)</td>
<td>(1,000)</td>
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<td>Disease</td>
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<tr>
<td>Theft</td>
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<td>Chemicals</td>
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<td>2</td>
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<td>Drought</td>
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<td>128</td>
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<tr>
<td>Flood</td>
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<tr>
<td>Other</td>
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<td>339</td>
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<tr>
<td>Total</td>
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Trout Lost, Intended for Sale – States and United States: 2009 and 2010

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<th>2009</th>
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<tr>
<td></td>
<td>Number lost</td>
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<td>(1,000)</td>
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<td>3,515</td>
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</table>

- Represents zero.

1 Other States include State estimates not shown.
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<th>Size category and state</th>
<th>Number of fish</th>
<th>Live weight</th>
<th>Value</th>
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<td>2009 (1,000)</td>
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<td>(D)</td>
<td>(D)</td>
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<td>130</td>
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<tr>
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<td>31</td>
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See footnote(s) at end of table.
## Distributed Trout – States and United States: 2009-2010 (continued)

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<th>Size category and state</th>
<th>Number of fish</th>
<th>Live weight</th>
<th>Value</th>
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<td>2009 (1,000 pounds)</td>
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(D) Withheld to avoid disclosing data for individual operations.

1 Due to rounding, total number of fish multiplied by the average pounds per unit may not exactly equal total live weight.
2 Due to rounding, total number or liveweight multiplied by average value per unit may not exactly equal total value.
3 Other States include State estimates not shown and States suppressed due to disclosure.
**Statistical Methodology**

**Survey Procedures:** Data for trout production are collected from all known producers in the sixteen published states and a sample of producers from the remaining states. Individual NASS field offices maintain a list of all known trout producers and use known sources of producers to update their lists. Operators 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.

**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:** In the sixteen published states, trout production estimates are based on a census of all known active producers and therefore, have no sampling variability. However, since all operations in the other states category are not included in the sample, survey estimates are subject to sampling variability. Survey results are also 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.

1"- 6" Fish: Usually considered fingerlings.

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.
Terms and Definitions Used to Describe Point of First Sale

**Government Agencies:** Sales to Federal, State, or local government agencies for the purpose of stocking public waters.

**Live Hauler/Broker:** Sales made to an individual or company that generally purchases live fish from a producer and transports them in an oxygenated tank truck to other outlets.

**Other Outlets:** Sales to outlets not meeting one of the other defined outlets.

**Point of First Sale Outlet:** The first point at which money changes hands.

**Processors:** Sales made directly to a plant for processing.

**Recreational Stocking:** Only includes fish sold to individuals or private entities for the sole purpose of stocking recreational waters.

**Retail Outlets:** Fish sold directly to entities who buy fish to re-sell to consumers. Includes grocers, restaurants, and fish markets.

**Wholesale to Other Producers:** Fish sold to other producers for the intention of growing out for further sale at a later time.

**Information Contacts**

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

Dan Kerestes, Chief, Livestock Branch ............................................................. (202) 720-3570

Bruce Boess, Head, Poultry and Specialty Commodities Section .................................................. (202) 720-4447
  Doug Bounds – Poultry Slaughter, Turkey Hatchery, Turkeys Raised ..................................... (202) 720-3106
  David Colwell – Cold Storage ......................................................................................... (202) 720-8784
  Chris Hawthorn – Catfish Processing, Catfish Production, Trout Production,
  Census of Aquaculture, Egg Products, Mink ................................................................. (202) 720-0585
  Kim Linonis – Layers, Eggs ......................................................................................... (202) 690-8632
  Troy Marshall – Broiler Hatchery, Chicken Hatchery, Honey ........................................... (202) 720-3244
Access to NASS Reports

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- All reports are available electronically, at no cost, on the NASS web site: http://www.nass.usda.gov

- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit http://www.nass.usda.gov and in the “Receive NASS Updates” box under “Receive reports by Email,” click on “National” or “State” to select the reports you would like to receive.

- Printed reports may be purchased from the National Technical Information Service (NTIS) by calling toll-free (800) 999-6779, or (703) 605-6220 if calling from outside the United States or Canada. Accepted methods of payment are Visa, MasterCard, check, or money order.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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