Trout Production

National Agricultural Statistics Service

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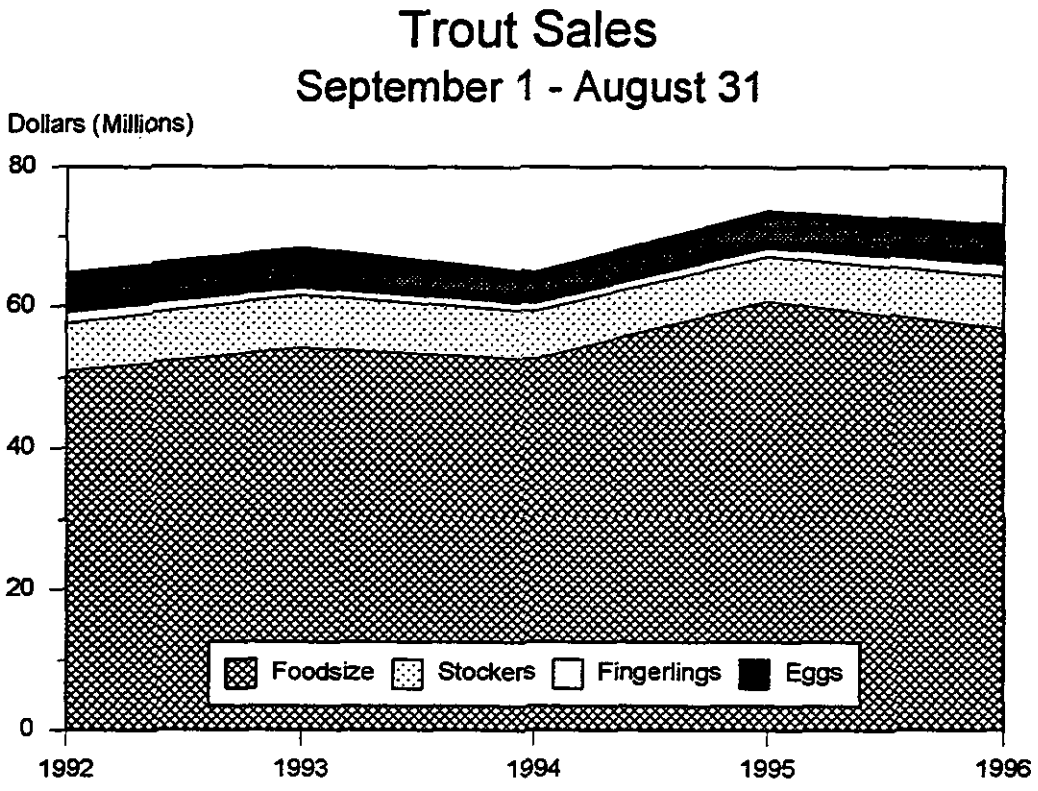
Trout Sales Decrease 3 Percent

Total value of all sales received by trout growers in the 15 selected States totaled $72.0 million during the 12 month period from September 1, 1995 through August 31, 1996. This was a decrease of 3 percent from the $73.9 million in sales during the same period a year ago. Growers sold a total of 57.4 million pounds of trout valued at $66.0 million this year.



Foodsize Sales

Number of foodsize trout sold during September 1, 1995 through August 31, 1996 totaled 56.5 million pounds, down 6 percent from the previous year. The value of sales for the 1996 marketing year was $56.9 million, down 6 percent from the $60.8 million of foodsize sales during the 1995 marketing year. The average value per pound was $1.06 during 1996, down from the $1.09 per pound during 1995. The major outlet for foodsize trout sales was to processors with 67 percent of total live weight sales. Fee and recreational fishing establishments, at 19 percent, were the next largest followed by restaurants and retailers with 5 percent.

Stocker Sales

Number of stocker trout sold was 7.58 million fish during September 1, 1995 through August 31, 1996, down 15 percent from the 8.89 million fish sold during the previous year. The total live weight pounds of stockers sold during 1996 was 3.48 million, up 23 percent from the 2.83 million pounds sold during 1995. The average value per pound was $2.13 during 1996, down $.15 from the 1995 price. The total value of stocker sales was $7.42 million from September 1, 1995 through August 31, 1996, up 15 percent from the $6.46 million in sales during the previous year. The major sales outlet for stocker trout was to fee and recreational fishing establishments with 49 percent of the total live weight sales, followed by 20 percent of sales to other producers and live haulers and government with 11 percent each.

Fingerling Sales

Number of fingerlings sold during September 1, 1995 through August 31, 1996 totaled 9.67 million trout compared with 7.91 million trout during the previous year. Total pounds sold was 288 thousand pounds during 1996, compared with 175 thousand pounds during 1995. The average value per pound was $5.80 during the 1996 marketing year, compared with $6.67 per pound in 1995. The total value of fingerling sales was $1.67 million, up 43 percent from last year's $1.17 million in sales.

Trout Egg Sales

Trout egg sales during September 1, 1995 through August 31, 1996 totaled 452 million eggs, up 9 percent from 414 million eggs sold during the previous year. The average value per 1,000 eggs during 1996 was $13.14, down from $13.35 during 1995. The total value of trout egg sales during 1996 was $5.94 million, up 7 percent from the $5.53 million in egg sales during the previous year.

Losses of Fish

Total losses of all trout was 27.4 million fish or 5.13 million pounds during September 1, 1995 through August 31, 1996. Of the total number lost, 71 percent were lost due to disease, followed by predators with 24 percent lost.

Trout: Number of Operations by State, September 1, 1995-96
Total Sales by State, September 1,- August 31, 1995-96

State	Number of Operations Sep 1 1995	Number of Operations Sep 1 1996	Total Sales Sep 1 - Aug 31 1995	Total Sales Sep 1 - Aug 31 1996
	------- Number ------		----- 1,000 Dollars ----	
CA	19	15	5,352	4,882
CO	33	36	2,269	2,420
ID	33	33	33,197	32,232
MI	51	45	1,850	2,055
MO	12	10	1,964	2,023
NY	27	29	579	1,015
NC	57	54	6,664	7,137
OR	23	19	810	625
PA	36	41	5,147	5,219
UT	18	18	3,596	2,489
VA	38	33	2,199	2,222
WA	27	27	1,693	847
WI	48	47	1,950	1,821
Oth Sts 1/	15	16	1,241	1,046
Total 2/	437	423	73,949	71,972

1/ Includes GA and TN.
2/ Value of egg sales included only in total.

Trout: Number, Weight, and Value of Foodsize, and State.
September 1,- August 31, 1995-96

State	Number Sold		Pounds Sold		Value of Sales		Average Value per Pound	
	1995	1996	1995	1996	1995	1996	1995	1996
	1,000				1,000 Dollars		-- Dollars --	
CA	2,186	2,033	2,345	2,284	4,738	4,248	2.02	1.86
CO	850	520	778	543	1,651	1,315	2.12	2.42
ID	45,000	43,000	40,000	40,000	32,600	32,000	.82	.80
MI	580	605	555	570	1,300	1,330	2.34	2.33
MO	789	989	725	728	1,560	1,707	2.15	2.34
NY	62	110	61	99	254	378	4.16	3.82
NC	4,872	4,051	5,059	4,308	5,926	5,009	1.17	1.16
OR	340	225	270	217	550	475	2.04	2.19
PA	1,375	1,495	1,378	1,553	3,205	3,739	2.33	2.41
UT	1,586	1,144	1,792	1,205	3,230	2,077	1.80	1.72
VA	1,097	965	979	935	1,946	1,862	1.99	1.99
WA	447	278	651	240	1,435	484	2.20	2.02
WI	518	579	484	493	1,508	1,564	3.12	3.17
Oth Sts 1/	484	522	532	429	894	754	1.68	1.76
Total	60,186	56,516	55,609	53,604	60,797	56,942	1.09	1.06

1/ Includes GA and TN.

Trout: Number, Weight, and Value of Stocker Sales, by State
September 1,- August 31, 1995-96

State	Number Sold		Pounds Sold		Value of Sales		Average Value per Pound	
	1995	1996	1995	1996	1995	1996	1995	1996
	1,000				1,000 Dollars		-- Dollars --	
CA	380	502	185	286	443	559	2.39	1.95
CO	723	806	257	433	560	1,021	2.18	2.36
ID	2,883	700	352	155	510	232	1.45	1.50
MI	520	620	150	240	350	525	2.33	2.19
MO	678	555	234	196	404	316	1.73	1.61
NY	130	262	61	130	281	591	4.61	4.55
NC	596	1,530	255	845	574	1,376	2.25	1.63
OR	340	145	130	38	230	100	1.77	2.63
PA	1,377	1,126	624	506	1,890	1,401	3.03	2.77
UT	285	336	179	231	346	402	1.93	1.74
VA	214	233	117	149	196	284	1.68	1.91
WA	316	473	67	122	186	281	2.78	2.30
WI	334	211	135	96	342	225	2.53	2.34
Oth Sts 1/	117	83	81	52	147	108	1.81	2.08
Total	8,893	7,582	2,827	3,479	6,459	7,421	2.28	2.13

1/ Includes GA and TN.

Trout: Number, Weight, and Value of Finglerling Sales by State, September 1,- August 31, 1995-96

State	Number Sold 1995	Number Sold 1996	Pounds Sold 1995	Pounds Sold 1996	Value of Sales 1995	Value of Sales 1996	Average Value per Pound 1995	Average Value per Pound 1996
	1,000				1,000 Dollars		Dollars	
CA	676	374	18	4	171	75	9.50	18.75
CO	334	360	11	13	58	84	5.27	6.46
ID	1,763	*	27	*	87	*	3.22	*
MI	700	700	18	18	200	200	11.11	11.11
NY	166	174	4	4	44	46	11.00	11.50
NC	2,165	3,279	29	113	164	752	5.66	6.65
OR	130	310	3	3	30	50	10.00	16.67
PA	269	582	8	15	52	79	6.50	5.27
UT	70	31	4	2	20	10	5.00	5.00
VA	293	382	10	14	57	76	5.70	5.43
WA	384	331	13	10	72	82	5.54	8.20
WI	342	315	9	8	100	32	11.11	4.00
Oth Sts 1/	613	2,828	21	84	113	184	5.38	2.19
Total	7,905	9,666	175	288	1,168	1,670	6.67	5.80

* Included in "Other States."
1/ GA, MO, and TN.

Trout: Number and Value of Egg Sales by Region, September 1 - August 31, 1995-96 1/

Region 2/	Number Sold 1995	Number Sold 1996	Value of Sales 1995	Value of Sales 1996	Average Value per 1,000 1995	Average Value per 1,000 1996
	1,000		1,000 Dollars		Dollars	
N East	627	562	10	10	15.95	17.79
So & Cent	573	425	10	6	17.45	14.12
West	412,579	450,961	5,505	5,923	13.34	13.13
Total	413,779	451,948	5,525	5,939	13.35	13.14

1/ Data published at the regional level to avoid disclosure of individual operations.
2/ Regions are defined as follows - N East: PA and NY; SO & Cent: GA, MI, MO, NC, TN, VA, and WI; West: CA, CO, ID, OR, UT, and WA.

Trout: Foodsize Percent Sold by Outlet Type,
September 1, 1995 - August 31, 1996

State	Live Haulers	Fee/rec Fishing	Other Producers	Govt.	Direct to Consumer	Processors	Rest & Retail	Other
	Percent							
CA	2	92		6				
CO	15	80	2	1	1		1	
ID		1			1	98		
MI	20	45	5	*	5	*	15	
MO	*	59	13	*	*	*	*	
NY	4	38	3	1	23		30	1
NC	10	2	5		1	77	5	
OR		23	*	*		*		
PA	4	35	6	6	13	*	6	*
UT		26			3	51	20	
VA	9	34	19		4	18	16	
WA	7	56	16	5	3	3	2	8
WI	3	20	2		5	8	48	14
Oth Sts 1/	3	8	4	3	2	57	19	4
Wt. Avg	3	19	2	1	2	67	5	1

* Included with "Other States."
1/ GA and TN.

Trout: Stockers Percent Sold by Outlet Type,
September 1, 1995 - August 31, 1996

State	Live Haulers	Fee/rec Fishing	Other Producers	Govt.	Other
	Percent				
CA		95			5
CO	20	58	1	17	4
ID	*	50	34	*	*
MI	15	15	20		50
MO	*	13	*	*	
NY	13	47	12	6	22
NC	4	57	13	26	
OR		45	48	*	
PA	4	52	*	6	*
UT	1	28	71		
VA		49	50		1
WA	29	39	6	7	19
WI	30	49	12		9
Oth Sts 1/	15	1	49	26	9
Wt. Avg	11	49	20	11	9

* Included with "Other States."
1/ GA and TN.

Trout Lost: Number, Pounds, and Percent Lost by Cause,
September 1, 1995 - August 31, 1996

State	Total		Disease			Theft		
	Number Lost	Pounds Lost	Number Lost	Pounds Lost	Pct. of Tot. No.	Number Lost	Pounds Lost	Pct. of Tot. No.
	1,000				Percent	1,000		Percent
CA	302	126	126	25	42	2	7	1
CO	373	111	37	6	10	34	23	9
ID	22,433	3,556	18,000	2,900	80	3	2	0
MI	237	66	31	5	13	*	*	*
MO	212	51	*	*	*	4	2	2
NY	212	27	50	5	24	1	1	0
NC	935	419	590	230	63	1	1	0
OR	338	76	*	*	*	2	1	1
PA	1,241	302	*	*	*	15	9	1
UT	336	143	20	1	6	12	11	3
VA	272	66	158	18	58	2	1	1
WA	81	43	35	3	43	2	1	2
WI	176	72	28	1	16	7	5	4
Oth Sts 1/	206	67	489	28	24	17	15	1
Total	27,354	5,125	19,564	3,222	71	102	79	0

* Included in "Other States" with GA, TN.
1/ Losses by type (disease, theft, etc) do not add to total losses due to individual operation disclosure.

Trout Lost: Number, Pounds, and Percent by Cause,
September 1, 1995 - August 31, 1996

State	Chemicals			Drought			Flood		
	Number Lost	Pounds Lost	Pct. of Tot. No.	Number Lost	Pounds Lost	Pct. of Tot. No.	Number Lost	Pounds Lost	Pct. of Tot. No.
	1,000		Percent	1,000		Percent	1,000		Percent
CA									
CO				30	7	8	5	1	1
ID									
MI	*	*	*	*	*	*	*	*	*
MO	*	*	*	*	*	*	*	*	*
NY	10	1	5	18	2	8	14	6	7
NC	5	5	1	6	1	1	140	54	15
OR	*	*	*	*	*	*	*	*	*
PA	*	*	*	*	*	*	*	*	*
UT									
VA	*	*	*	*	*	*	*	*	*
WA				1	2	1	13	21	16
WI							1		1
Oth Sts 1/	48	24	2	105	30	5	310	98	15
Total	63	30	0	160	42	1	483	180	2

* Included with "Other States".
1/ GA and TN.

Trout Lost: Number, Pounds, and Percent by Cause,
September 1, 1995 - August 31, 1996

State	Predators			Other		
	Number Lost	Pounds Lost	Pct. of Tot. No.	Number Lost	Pounds Lost	Pct. of Tot. No.
	----- 1,000 -----		Percent	---- 1,000 ----		Percent
CA	130	67	43	44	27	14
CO	266	73	71	1	1	0
ID	4,400	650	20	30	4	0
MI	125	49	53	*	*	*
MO	70	26	33	*	*	*
NY	76	8	36	43	3	20
NC	68	16	7	125	107	13
OR	*	*	*	*	*	*
PA	*	*	*	50	16	4
UT	251	109	75	53	22	16
VA	*	*	*	*	*	*
WA	23	9	29	7	7	9
WI	127	62	72	13	4	7
Oth Sts 1/	947	237	47	133	45	7
Total	6,483	1,306	24	499	236	2

* Included with "Other States".
1/ GA and TN.

Trout Estimates

Survey Procedures: Over 650 commercial trout producers in the 15 selected States were contacted between September 1 and September 18, 1996. Prior to the survey period, a list of all commercial operations was created in each of the 15 states. Information was collected by mail return, telephone interviews, and/or by personal interview. Great care is exercised to ensure that all operations are accounted for in the estimates.

Reliability: 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 inaccessible operations are accounted for through the expansion of the reported data or by imputation based on individual historical data. Survey data are subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and 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.

Terms and Definitions

Terms Used for Sales:

Foodsize: Fish that are grown commercially for food, usually ranging from 3/4 to 1 1/2 pounds and over 12 inches in length.

Stockers: Fish usually 6 to 12 inches in length and less than 3/4 pound.

Fingerlings: Fish usually from 1 to 6 inches long.

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

Terms Used for Losses:

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

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

Chemicals: Includes losses from pesticides or herbicide poisoning.

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.

The next **"Trout Production"** report will be released in September 1997.

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