
Trout Production



National
Agricultural
Statistics
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Fact Finding
for Agriculture
Since 1863

United States
Department of
Agriculture

Agricultural
Statistics
Board

Washington, D.C.

Released: September 29, 1989
3:00 PM ET

RESULTS OF TROUT GROWERS SURVEY

Trout growers in 15 selected States sold a total of 59.7 million pounds of trout valued at \$69.2 million during the 12-month period beginning September 1, 1988 and ending August 31, 1989, according to the Agricultural Statistics Board. Foodsize trout sales accounted for 94 percent of the total pounds sold. In addition, 314 million trout eggs were sold, valued at \$3.45 million.

FOODSIZE SALES

Foodsize trout sales totaled 56.1 million pounds during the period September 1, 1988 through August 31, 1989, up fractionally from the 56.0 million pounds sold during the same period the previous year. The value of sales for 1989 was \$61.1 million, up 5 percent from the \$57.9 million of foodsize sales during September 1, 1987 through August 31, 1988. The average value per pound was \$1.09 during 1989, up from the \$1.03 per pound during 1988. The major outlet for foodsize trout sales was to processors with 56 percent of total liveweight sales, followed by fee and recreational fishing establishments with 16 percent of liveweight sales, with restaurant and retail sales accounting for 12 percent of the total.

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STOCKER SALES

Stocker trout sales totaled 8.77 million fish during September 1, 1988 through August 31, 1989, down 5 percent from the 9.23 million fish sold during the previous year. The total liveweight pounds of stockers sold during 1989 was 3.28 million, up 17 percent from the 2.82 million pounds sold during 1988. The average value per pound was \$2.06 during 1989, compared to \$2.02 per pound during 1988. The total value of stocker sales from September 1, 1988 through August 31, 1989, was \$6.77 million, up 19 percent from the \$5.68 million in sales during the previous year. The major sales outlet for stocker trout was to fee and recreational fishing establishments with 53 percent of total liveweight sales, followed by 22 percent of sales to other producers.

FINGERLING SALES

Sales of fingerlings during September 1, 1988 through August 31, 1989 totaled 7.62 million trout for a total of 295 thousand pounds. The average value per pound was \$4.62 and the total value of fingerling sales was \$1.36 million. The sale of fingerlings was not included in last year's survey.

TROUT EGG SALES

Trout egg sales during September 1, 1988 through August 31, 1989 totaled 314 million eggs, down 13 percent from the 362 million eggs sold during the previous year. The average value per 1,000 eggs during 1989 was \$10.98, up from \$7.85 during 1988. The total value of trout egg sales during 1989 was \$3.45 million, up 21 percent from the \$2.84 million in egg sales during the previous year.

LOSSES OF FISH

Total losses of all trout was 20.7 million fish or 4.53 million pounds during September 1, 1988 through August 31, 1989. The major cause of losses was due to disease, which accounted for 50 percent of the total. Predators were the next largest cause of losses and accounted for 23 percent of the total.

SURVEY PROCEDURES

Over 450 commercial trout producers in the 15 selected States were contacted between September 1 and September 20, 1989. Prior to the survey period, a list of all commercial operations was created in each of the 15 States. Information was collected by mail, telephone, and/or personal interview. Responses were received from 90 percent of the commercial trout producers.

TROUT: NUMBER OF OPERATIONS WITH SALES AND
TOTAL SALES FOR THE PERIODS OF SEPT. 1 - AUG. 31

STATE	NUMBER OF OPERATIONS		TOTAL SALES	
	SEPT 1		SEPT 1	
	1988	1989	1988 1/	1989
	NUMBER		1,000 DOLLARS	
CA	31	24	4,974	8,848
CO	34	33	1,706	1,870
GA	11	9	1,438	703
ID	38	24	31,544	28,766
MI	43	43	1,300	1,550
MO	10	12	1,827	2,266
NY	37	41	893	957
NC	82	80	5,285	8,685
OR	27	33	1,526	1,408
PA	46	39	3,806	4,333
TN	15	14	573	756
UT	9	14	5,429	4,731
VA	25	27	1,989	2,006
WA	32	34	2,983	4,230
WI	78	51	1,171	1,525
TOTAL	518	478	66,444	72,634

1/ TOTAL VALUE OF SALES FOR 1988 DOES NOT INCLUDE THE VALUE OF FINGERLING SALES.

TROUT: SALES, NUMBER, WEIGHT, AND VALUE; FOODSIZE 1/
SEPT. 1 - AUG. 31

STATE	NUMBER OF HEAD		TOTAL POUNDS SOLD		TOTAL VALUE OF SALES		AVERAGE VALUE PER POUND	
	1988	1989	1988	1989	1988	1989	1988	1989
	THOUSANDS				1,000 DOLLARS		DOLLARS	
CA	2,663	4,342	2,460	4,283	3,778	7,118	1.54	1.66
CO	473	275	415	289	885	666	2.13	2.30
GA	608	523	459	429	742	615	1.62	1.43
ID	51,907	47,500	40,000	37,000	31,200	28,490	0.78	0.77
MI	494	490	400	435	860	870	2.15	2.00
MO	837	928	807	700	1,658	1,679	2.05	2.40
NY	110	174	97	148	335	548	3.45	3.70
NC	3,110	5,200	3,295	5,690	4,705	8,050	1.43	1.41
OR	1,450	820	800	585	1,440	1,053	1.80	1.80
PA	1,368	1,187	1,259	1,035	3,011	2,737	2.39	2.64
TN	308	329	272	287	502	511	1.85	1.78
UT	4,960	2,701	3,967	3,332	5,211	4,617	1.31	1.39
VA	1,263	1,233	1,008	955	1,887	1,877	1.87	1.97
WA	433	276	387	463	736	1,070	1.90	2.31
WI	503	661	406	503	977	1,155	2.41	2.30
TOTAL	70,487	66,639	56,032	56,134	57,927	61,056	1.03	1.09

1/ FOODSIZE FISH ARE DEFINED AS BEING 12" OR LONGER.

TROUT: SALES, NUMBER, WEIGHT, AND VALUE; STOCKERS 1/
SEPT. 1 - AUG. 31

STATE	NUMBER OF HEAD		TOTAL POUNDS SOLD		TOTAL VALUE OF SALES		AVERAGE VALUE PER POUND	
	1988	1989	1988	1989	1988	1989	1988	1989
	THOUSANDS				1,000 DOLLARS		DOLLARS	
CA	763	922	259	418	501	812	1.93	1.94
CO	967	1,056	374	498	817	1,176	2.18	2.36
GA	557	79	279	35	696	50	2.49	1.43
ID	1,640	677	238	115	248	115	1.04	1.00
MI	554	500	171	141	428	373	2.50	2.65
MO	298	797	81	406	169	579	2.09	1.43
NY	430	311	119	90	547	360	4.60	4.00
NC	1,480	840	450	460	580	570	1.29	1.24
OR	135	430	45	124	86	217	1.91	1.75
PA	556	1,126	354	514	794	1,509	2.24	2.94
TN	218	689	46	99	69	193	1.50	1.95
UT	334	84	107	49	203	97	1.90	1.98
VA	161	108	55	58	102	99	1.85	1.71
WA	484	697	129	116	242	288	1.88	2.48
WI	652	450	108	159	193	328	1.79	2.06
TOTAL	9,229	8,766	2,815	3,282	5,675	6,766	2.02	2.06

1/ STOCKERS ARE DEFINED AS BEING FROM 6-12" LONG.

TROUT: SALES, NUMBER, WEIGHT, AND VALUE; FINGERLINGS 1/
SEPT. 1, 1988 ~ AUG. 31, 1989

STATE :	NUMBER OF HEAD :	TOTAL POUNDS SOLD :	TOTAL VALUE OF SALES :	AVERAGE VALUE PER POUND :
	THOUSANDS		1,000 DOLLARS	DOLLARS
CO :	536	19	28	1.47
MI :	1,132	39	300	7.69
NY :	232	5	34	6.80
NC :	1,140	12	65	5.42
OR :	1,090	32	138	4.31
PA :	336	11	85	7.73
VA :	348	11	30	2.73
WA :	331	11	40	3.64
WI :	276	10	39	3.90
OTH 2/ :	2,194	145	603	4.16
TOTAL :	7,615	295	1,362	4.62

1/ FINGERLINGS ARE DEFINED AS BEING 2-6" LONG.

2/ INCLUDES CA, GA, ID, MO, TN, AND UT.

TROUT: SALES, NUMBER, AND VALUE; EGGS
SEPT. 1 - AUG. 31 1/

REGION :	NUMBER OF EGGS :		TOTAL VALUE OF SALES :		AVERAGE VALUE PER 1,000 EGGS :	
2/ :	1988 :	1989 :	1988 :	1989 :	1988 :	1989 :
	THOUSANDS		1,000 DOLLARS		DOLLARS	
N EAST :	1,420	1,665	12	17	8.45	10.21
N CENT :	1,513	852	13	10	8.59	11.74
SOUTH :	294	215	2	2	6.80	9.30
WEST :	358,671	311,495	2,815	3,421	7.85	10.98
TOTAL :	361,898	314,227	2,842	3,450	7.85	10.98

1/ DATA PUBLISHED AT REGIONAL LEVEL TO AVOID DISCLOSURE OF INDIVIDUAL OPERATIONS.

2/ REGIONS ARE AS FOLLOWS: N EAST - PA AND NY; N CENT - MI AND WI; SOUTH - GA, MO, NC, TN, AND VA; WEST - CA, CO, ID, OR, UT, AND WA.

STATE	LIVE HAULERS	FEE/REC: FISHING	OTHER PRODU- CERS	GOVT.	DIRECT TO CONSUMER	PROC- ESSORS	REST & RETAIL	OTHER
CA	21	60	1/	0	1/	15	1	3
CO	11	71	3	0	2	9	4	0
GA	6	13	0	0	1	59	21	0
ID	0	0	1	0	0	98	0	1
MI	2	31	2	0	5	10	49	1
MO	16	20	4	0	0	3	55	2
NY	0	59	2	1	23	0	14	1
NC	5	7	14	0	2	36	36	0
OR	0	33	0	0	1	35	30	1
PA	3	63	1	0	3	19	11	0
TN	0	25	7	0	6	6	56	0
UT	1	1	5	0	76	0	17	0
VA	3	31	8	0	1	44	12	1
WA	18	51	9	0	0	3	7	12
WI	8	14	8	0	4	15	49	2
WT. AVG:	5	16	4	2/	7	56	12	2/

1/ INCLUDED IN "OTHER" TYPE.
2/ LESS THAN 1 PERCENT.

STATE	LIVE HAULERS	FEE/REC FISHING	OTHER PRODU- CERS	GOVT.	OTHER
:	:	:	:	:	:
:	:	:	:	:	:
PERCENT					
CA	9	70	0	1/	21
CO	8	74	12	5	1
GA	0	12	87	1	0
ID	0	5	95	0	0
MI	7	11	50	0	32
MO	34	14	28	24	0
NY	37	26	9	2	26
NC	14	39	47	0	0
OR	10	89	0	0	1
PA	12	80	8	0	0
TN	0	12	88	0	0
UT	8	0	92	0	0
VA	2	33	64	0	1
WA	40	25	17	18	0
WI	17	43	12	0	28
WT. AVG:	15	53	22	4	6

1/ INCLUDED IN "OTHER" TYPE.

TROUT: NUMBER, POUNDS, AND PERCENT LOST BY CAUSE;
SEPT. 1, 1988 THROUGH AUG. 31, 1989

STATE	TOTAL			DISEASE			THEFT		
	NUMBER	POUNDS	% OF	NUMBER	POUNDS	% OF	NUMBER	POUNDS	% OF
	LOST	LOST	TOTAL #	LOST	LOST	TOTAL #	LOST	LOST	TOTAL #
	(000)	(000)	%	(000)	(000)	%	(000)	(000)	%
CA	2,198	400	543	19	25	1/	1/	1/	
CO	662	96	44	10	7	1/	1/	1/	
GA	440	46	32	16	7	1/	1/	1/	
ID	11,995	2,944	8,923	2,093	74	0	0	0	
MI	399	108	149	24	37	6	6	1	
MO	118	24	105	8	89	3	6	2	
NY	122	18	9	2	7	10	3	8	
NC	1,390	393	218	136	16	8	7	1	
OR	153	41	6	1	4	2	1	1	
PA	2,041	159	37	11	2	1/	1/	1/	
TN	127	15	12	1	10	0	0	0	
UT	287	136	14	3	5	63	49	22	
VA	310	55	123	10	40	6	5	2	
WA	174	36	47	2	27	4	3	2	
WI	252	57	103	1	41	8	7	3	
TOTAL	20,668	4,528	10,365	2,337	50	110	87	2/	

1/ INCLUDED WITH "OTHER" LOSSES.

2/ LESS THAN 1 PERCENT.

TROUT: NUMBER, POUNDS, AND PERCENT LOST BY CAUSE;
SEPT. 1, 1988 THROUGH AUG. 31, 1989

STATE	CHEMICALS			DROUGHT			FLOOD		
	NUMBER	POUNDS	% OF	NUMBER	POUNDS	% OF	NUMBER	POUNDS	% OF
	LOST	LOST	TOT.#	LOST	LOST	TOT.#	LOST	LOST	TOT.#
	(000)	(000)	%	(000)	(000)	%	(000)	(000)	%
CA	0	0	0	1/	1/	1/	0	0	0
CO	0	0	0	28	12	4	1/	1/	1/
GA	0	0	0	1/	1/	1/	0	0	0
ID	133	18	1	0	0	0	0	0	0
MI	0	0	0	50	14	13	14	13	3
MO	0	0	0	1	1	1	2	2	2
NY	0	0	0	30	1	25	3	1	3
NC	0	0	0	283	115	20	41	52	3
OR	0	0	0	0	0	0	0	0	0
PA	0	0	0	31	9	1	1/	1/	1/
TN	12	6	9	0	0	0	1	1	1
UT	0	0	0	4	6	1	0	0	0
VA	0	0	0	132	28	43	7	1	2
WA	0	0	0	0	0	0	12	5	7
WI	1	2	0	7	3	3	2	2	1
TOTAL	146	26	2/	566	189	3	82	77	2/

1/ INCLUDED WITH "OTHER" LOSSES.

2/ LESS THAN 1 PERCENT.

TROUT: NUMBER, POUNDS, AND PERCENT LOST BY CAUSE;
SEPT. 1, 1988 THROUGH AUG. 31, 1989

STATE	NUMBER LOST	PREDATORS POUNDS LOST	% OF TOT. #	NUMBER LOST	OTHER POUNDS LOST	% OF TOT. #
	(000)		%	(000)		%
CA	1,145	261	52	510	120	23
CO	30	14	5	560	60	84
GA	1/	1/	1/	408	30	93
ID	2,779	819	23	160	14	2
MI	138	43	35	42	8	11
MO	2	2	2	5	5	4
NY	27	4	22	43	7	35
NC	73	34	5	767	49	55
OR	122	33	80	23	6	15
PA	1/	1/	1/	1,973	139	97
TN	5	1	4	97	6	76
UT	150	49	52	56	29	20
VA	20	9	6	22	2	7
WA	86	14	50	25	12	14
WI	120	37	48	11	5	4
TOTAL	4,697	1,320	23	4,702	492	23

1/ INCLUDED WITH "OTHER" LOSSES.