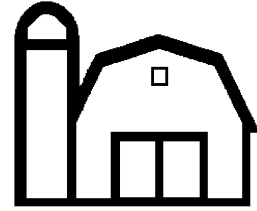


PLEASE COMPLETE AND RETURN THIS QUESTIONNAIRE AS SOON AS POSSIBLE.

OMB No. - 0535-0237 Approval Expires - 05/29/99

Form 98-1915B  
U.S. DEPARTMENT OF AGRICULTURE  
NATIONAL AGRICULTURAL STATISTICS SERVICE

NOTICE: Response to this inquiry is required by law (*Title 7, U.S. Code*). By the same law, **YOUR REPORT IS CONFIDENTIAL** and will only be used for statistical purposes. Your report **CANNOT** be used for purposes of taxation, investigation or regulation. The law also provides that copies retained in your files are immune from legal process.



## 1998 CENSUS OF AQUACULTURE

Please return your completed report in the enclosed postage paid envelope.

Please correct errors in name, address and ZIP Code. ENTER street address if not shown.

OFFICE USE ONLY	Stratum Number	Segment Number	Tract Number		788
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Dear Recipient:

For several decades, aquaculture production has been steadily increasing as wild fishery supplies are declining and the demand for fish and seafood is increasing. Periodic benchmarks were started in 1974 for catfish and trout. This **1998 Census of Aquaculture** will be the first census to take a comprehensive snapshot of **all species** produced throughout the **50 states**.

Your response is **important** because it helps to provide a complete and accurate measure of our Nation's aquaculture industry. Census results are used by local and national legislators, aquaculture producers, aquaculture organizations, service and supply dealers, financial institutions, researchers, extension agents, and others making decisions affecting the aquaculture community.

Information you provide is completely **confidential** and will be combined with responses from other producers to provide statistical summaries for publication that will not reveal your individual operation.

Please take a few minutes to complete and return this questionnaire as soon as possible, in the postage paid envelope. If you need help, please call our toll-free number at **1-888-4AG-STAT (1-888-424-7828)**. Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive that reads "Rich Allen".

Rich Allen  
Chairperson, Agricultural Statistics Board  
National Agricultural Statistics Service

**SECTION 1: AQUACULTURE PRODUCTION SCREENING**

1. In 1998, did this operation or individual(s) listed on the address label produce and sell any fish, mollusks, crustaceans, algae, sea vegetables (i.e., seaweed) or other aquaculture products?

YES <sup>1</sup>  - (Go to Page 2, Section 2)      NO <sup>3</sup>  - (Continue)

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2. In 1998, did this operation produce any fish, shellfish or other aquaculture products for distribution for restoration or conservation purposes?

YES <sup>1</sup>  - (Go to Page 7, Section 11)      NO <sup>3</sup>  - (Go to Page 7, Section 12)

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According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The time required to complete this information collection is estimated to average 30 minutes per response.

**SECTION 2: SIZE OF OPERATION**

1. How many freshwater and saltwater surface acres were used to produce fish, mollusks, crustaceans, algae, sea vegetables (i.e., seaweed), or other aquaculture products (exclude other aquatic plants) in 1998? . . . . .

Freshwater		Saltwater (Including Brackish)	
Whole Acres	Tenths	Whole Acres	Tenths
120		121	
	/10		/10

a. Of the total saltwater surface acres, how many acres were leased? . . . . .

Leased	
Whole Acres	Tenths
122	
	/10

b. Of the total saltwater surface acres, how many acres were in production? . . . . .

Production	
Whole Acres	Tenths
123	
	/10

**SECTION 3: METHOD OF PRODUCTION**

1. Which Methods of Production did this operation use? (Enter Total Water Area for all methods used):

Methods		Total Water Area	
		Whole Acres	Tenths
Ponds . . . . .	Surface Acres	130	
			/10
	Average Flow Rate		
	131	132	
Flow Through Raceways or Tanks . . . . .	Gallons per minute . . . . .		/10
	Surface Acres	133	
Cages . . . . .	Total Volume Cu. Ft.	134	
Net Pens . . . . .	Total Volume Cu. Ft.	135	
Closed Re-Circulation Tanks . . . . .	Gallons	136	
Prepared Bottom . . . . .	Specify Unit	137	
	Specify Unit		
Other Method (Specify: _____) . . . . .			

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2. In 1998, did you raise multiple species in the same water at the same time (i.e., polyculture)?

YES <sup>1</sup>       NO <sup>3</sup>

**SECTION 4: CATFISH SCREENING**

Were any catfish sold from this operation during 1998?

YES <sup>1</sup>  (Continue)

NO <sup>3</sup>  (Go to Page 4, Section 6)

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**SECTION 5: CATFISH SALES**

1. During 1998, what were your total catfish sales by the following size categories?

FISH SOLD AS:	Total Pounds Live weight	Total Number Sold	Total Sales (Dollars)
Broodfish (fish being used or to be used for breeding) . . .	609	610	611 \$
Broodfish (previously used for breeding) . . . . .	612	613	614 \$
All Foodsize (over 3/4 lbs/fish) . . . . .	615	616	617 \$
Stockers (over 6 inches) OR (over 60 lbs-750 lbs/1000 fish) . . . . .	618	619	620 \$
Fingerlings (2 to 6 inches) OR (2 lbs-60 lbs/1000 fish) . .	621	622	623 \$
Fry (under 2 inches) OR (less than 2 lbs/1000 fish) . . . . .	624	625	626 \$

2. What percent (by value of sales) of the total catfish value of sales reported in item 1 was sold to each of the following SALES OUTLETS from January 1 through December 31, 1998?

POINT OF FIRST SALE OUTLET	Percent of Value of Fish Sold to Outlet as:	
	FOODSIZE (over 3/4 pound) (Include broodfish)	STOCKERS (usually 6 inches in length to 3/4 lb.)
Live Haulers . . . . .	630 %	631 %
Fee Fishing and Recreational Use . . . . .	632 %	633 %
Other Producers . . . . .	634 %	635 %
Government Agencies . . . . .	636 %	637 %
Direct to Consumer . . . . .	638 %	
Processors . . . . .	640 %	
Retailers (restaurants, food stores, pet stores, etc.) . . . . .	642 %	
Other (Specify _____) .	644 %	645 %
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

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Completion Code 1 = Inc. Has Catfish 2 = Sales Unknown 3 = Valid Zero
650

**SECTION 6: TROUT SALES**

1. Were any trout sold from this operation during 1998?

YES <sup>1</sup>  - (Continue)

NO <sup>3</sup>  - (Go to Page 5, Section 7)

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2. During 1998, for this operation, what were the total trout sales (exclude fish bought for resale or fish you brokered)?

Species	Size Category Sold	Total Number Sold	Total Liveweight Pounds	Average Price Received
TROUT	Foodsize (usually 12 inches or longer) . . .	022	023	024 \$ . __ __ \$/lb
	Stockers (usually 6 to 12 inches long) . . .	025	026	027 \$ . __ __ \$/lb
	Fingerlings (usually 1 to 6 inches long) . .	057	058	059 \$ . __ __ \$/000 fish
	Trout Eggs . . . . .	028		029 \$ . __ __ \$/000 eggs

3. What percent (by value of sales) of the total trout value of sales reported in item 2 was sold to each of the following SALES OUTLETS from January 1 through December 31, 1998?

POINT OF FIRST SALE OUTLET	Percent of Value of Fish Sold to Outlet as:	
	FOODSIZE (12 inches or more)	STOCKERS (6 to 12 inches)
Processors . . . . .	039 %	
Restaurant or other direct retailers . . . . .	040 %	
Consumers (Individuals, companies, or government agencies who buy live fish to eat) .	019 %	
Live Haulers . . . . .	030 %	031 %
Fee and recreational fishing (Including U-Fish operations) . . . . .	032 %	033 %
Other producers . . . . .	034 %	035 %
Government agencies . . . . .	036 %	037 %
Other (Specify _____ ) . . .	041 %	042 %
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

<b>Office Use Only</b>
<b>Completion Code</b>
1 = Inc. Has Trout
2 = Sales Unknown
3 = Valid Zero
707

**SECTION 7: AQUACULTURE SALES OTHER THAN CATFISH AND TROUT**

1. Were any aquaculture products, other than catfish and/or trout, sold from this operation during 1998?

YES <sup>1</sup>  - (Continue)

NO <sup>3</sup>  - (Go to Page 6, Section 9)

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2. During 1998, for this operation, what were the total sales for all aquaculture sales other than catfish and trout (exclude fish bought for resale or fish you brokered)? (Examples below. Use separate line for each species and size sold.)

Species and Code (From Table Below)		Size Category (List Code From Table Below)	Amount Sold and Unit of Measure (From Table Below)		Total Sales (Dollars)
Species	Code		Amount Sold	Unit	
Hybrid Striped Bass	10	3	12,000	2	\$ 2,000
Hybrid Striped Bass	10	1	20,000	1	\$ 50,000
	300	301	302	303	304 \$
	305	306	307	308	309 \$
	310	311	312	313	314 \$
	315	316	317	318	319 \$
	320	321	322	323	324 \$
	325	326	327	328	329 \$
	330	331	332	333	334 \$
	335	336	337	338	339 \$
	340	341	342	343	344 \$
	345	346	347	348	349 \$

Food Fish Species	Code	Baitfish Species	Code	Ornamental Fish	Code
Hybrid Striped Bass	10	Fathead Minnows	20	Koi	30
Salmon	11	Golden Shiners	21	Ornamental Goldfish	31
Tilapia	12	Feeder Goldfish	22	Tropical Fish	32
Other Food Fish (Specify: _____)	19	Other Bait Fish (Specify: _____)	29	Other Ornamental Fish (Specify: _____)	39

Sport or Game Fish (Specify: _____)	49	Other Fish (Specify: _____)	59
-------------------------------------	----	-----------------------------	----

Mollusks Species	Code	Crustaceans Species	Code	Other Animal Aquaculture	Code
Clams	60	Crawfish	70	Alligators	80
Mussels	61	Shrimp	71	Frogs (exclude wild catch)	81
Oysters	62	Softshell Crabs	72	Turtles	82
Other Mollusks (Specify: _____)	69	Other Crustaceans (Specify: _____)	79	Other Animal Aquaculture (Specify: _____)	89

Algae and Sea Vegetables (i.e., seaweed)	90
--	----

Size Categories	Code
Foodsize	1
Stockers	2
Fingerlings	3
Eggs	4
Seed Stock	5
Brood Stock	6
Fry	7
Other (Specify: _____)	20

Units of Measure for Sales	Code
Pounds Live Weight	1
Number or Count	2
lbs./1000 Fish	3
Live Dry Bushels	4
Dozen	5
Other (Specify: _____)	20

**SECTION 8: SALES OUTLET BY SPECIES OTHER THAN CATFISH AND TROUT**

In 1998, what percent of your total value of aquaculture sales was sold to each of the following outlets for each category (exclude fish bought for resale or fish you brokered)?

Point of First Sale Outlet	Food Fish	Baitfish	Ornamental Fish	Sport or Game Fish	Other Fish	Mollusks	Crustaceans	Other Aquaculture
Processor . . . . .	801 %			831 %	841 %	851 %	861 %	871 %
Retail (restaurants, pet stores, etc.) . . .	802 %	812 %	822 %	832 %	842 %	852 %	862 %	872 %
Direct to Consumer	803 %	813 %	823 %	833 %	843 %	853 %	863 %	873 %
Live Hauler/Broker .	804 %	814 %	824 %	834 %	844 %	854 %	864 %	874 %
Fee Fishing and Recreational Use . .	805 %	815 %	825 %	835 %	845 %	855 %	865 %	875 %
Other Producers . . .	806 %	816 %	826 %	836 %	846 %	856 %	866 %	876 %
Government Agencies	807 %	817 %	827 %	837 %	847 %	857 %	867 %	877 %
Other Specify: _____	808 %	818 %	828 %	838 %	848 %	858 %	868 %	878 %
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

**SECTION 9: COOPERATIVE AGREEMENTS AND CONTRACTS**

1. Does this operation raise any aquaculture products under a cooperative agreement or contract for someone else?

YES <sup>1</sup>  - (Continue)

NO <sup>3</sup>  - (Go to Item 2)

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a. What percent of your aquaculture value of sales was produced under this cooperative agreement or contract? . . . . .

941	%
-----	---

2. Do other growers raise any aquaculture products under a cooperative agreement or contract for this operation?

YES <sup>1</sup>  - (Continue)

NO <sup>3</sup>  - (Go to Section 10)

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942

a. What percent of your aquaculture value of sales was produced under this cooperative agreement or contract? . . . . .

943	%
-----	---

**SECTION 10: SOURCE OF WATER**

[Mark (x) ALL boxes which apply]

1. What water source(s) did you utilize for your aquaculture production during 1998?

<sup>1</sup>  **Groundwater** (Water from a well or wells located on this farm or another farm)

<sup>2</sup>  **On Farm Surface Water** [Surface supply not controlled by a water supply organization (stream, drainage ditch, lake, pond, spring, or reservoir on or adjacent to this farm)].

<sup>4</sup>  **Off Farm Water** (Federal supplier; irrigation district; mutual, private; cooperative, or neighborhood ditches; commercial company or municipal or community water system)

<sup>8</sup>  **Saltwater** (including Brackish water, tidal, sub-tidal, open public waterways, owned or leased)

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**SECTION 11: AQUACULTURE DISTRIBUTED FOR RESTORATION OR CONSERVATION PURPOSES**

1. Were any **aquaculture products** distributed for **restoration** or **conservation** purposes from this operation during **1998**?

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YES <sup>1</sup>  - (Continue)                      NO <sup>3</sup>  - (Go to Section 12)

2. What were the total amounts **distributed** by this facility, by **species category**, in **1998**?

Species	Number of Fish or Shellfish Distributed	Pounds of Fish or Shellfish Distributed	Number of Eggs or Seed/Stock Distributed	Estimated Value of Product Distributed
Catfish .....	501	502	503	504 \$
Salmon .....	505	506	507	508 \$
Bass .....	509	510	511	512 \$
Trout .....	513	514	515	516 \$
Walleye .....	517	518	519	520 \$
Other Fish Specify: _____	521	522	523	524 \$
Clams .....	525	526	527	528 \$
Mussels .....	529	530	531	532 \$
Oysters .....	533	534	535	536 \$
Other Shellfish Specify: _____	537	538	539	540 \$
Other Aquaculture Specify: _____	541	542	543	544 \$

**SECTION 12: OPERATION**

1. Do you make any day-to-day decisions for another aquaculture operation?

YES <sup>1</sup>  - [List other operation(s) on back]                      NO <sup>3</sup>

2. Has this operation (**name on address label**) been sold, or turned over to someone else?

YES <sup>1</sup>  - [Identify the new operator(s)]                      NO <sup>3</sup>

Name: _____ Address: _____ _____ Phone: _____ City: _____ State: _____ Zip Code: _____
---

**SECTION 13: CONCLUSION**

1. Would you like to receive a copy of the results of this census?

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YES <sup>1</sup>                       NO <sup>3</sup>

Reported By: _____	Telephone (area code and number): _____	Date: _____
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**THIS CONCLUDES THE SURVEY. THANK YOU FOR YOUR COOPERATION.**

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Respondent	Response Code	Sup./Enum	Eval.	Julian Date		
1-Op/Ptnr 2-Sp 3-Acc/Bkpr 4-Oth 5-Est R 6-Est NR	101	2-Tel 3-Int 7-TR 8-IR 9-Inac	910	098	100	987