



2023 Census of Aquaculture Training Materials

Below you will find links to a video, PowerPoint presentation, survey information sheet, and practice interviews for NASS's Census of Aquaculture. The practice interviews can be used to enter data in CATI or CAPI to get familiar with those data collection instruments.

Links	Length (minutes/pages)
<u>2023 Census of Aquaculture Enumerator Training Video</u>	26
<u>2023 Census of Aquaculture Enumerator Training Presentation</u>	34
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Strategic Planning and Business Services Division
Strategic Planning Branch
Workforce Performance and Staff Development Section

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NASS Survey Training 2023 Census Of Aquaculture (2024 January Catfish & 2024 January Trout)



**United States Department of Agriculture
National Agricultural Statistics Service**

**Workforce Performance and Staff Development Section
December 2023**



Aquaculture

- Aquaculture is defined as the farming of aquatic organisms, including:
 - Catfish, trout, food and/or sport fish, baitfish, crustaceans and mollusks, ornamental fish, miscellaneous aquaculture such as algae, alligators, caviar, eels, frogs, sea urchins, snails, tadpoles, turtles, and live rock, etc., and other aquaculture products.

Survey Overview

- Project Code: **658 – Census of Aquaculture**
- Questionnaires/Materials:
 - Initial mailing: Dec. 18th
 - Follow-Up mailing (Excluding Catfish only records):
January 23rd
 - Calling: One Blaise instrument for all three surveys
 - Catfish calling: December 26 – January 12
 - Trout calling: January 16 – February 2
 - All Aquaculture February 12 – March 1

Survey Overview

- Information from this census will be published in three different reports:
 - *Catfish Production, February 15, 2024*
 - *Trout Production, February 25, 2024*
 - *Aquaculture, December 17, 2024*

NASS website: www.nass.usda.gov/





Census of Aquaculture

- Follow-on survey for Census of Agriculture
- Provides detailed, comprehensive production and economic data on the aquaculture industry
- Survey reference period is calendar year 2023

Please Return Promptly - Due January 15, 2024 OMB No: 0535-0237; Approval Expires 08/31/2026

The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: www.nass.usda.gov/confidentiality. Response to this survey is required by law under Title 7 USC 2204(g) Public Law 105-118.

2023 CENSUS OF AQUACULTURE

<p>23-AQ100 (08/12/2023)</p>   National Agricultural Statistics Service <p>Please return your completed report to:</p> <p>Census of Aquaculture 1201 East 10th Street Jeffersonville, IN 47132</p>	<p>Please make corrections to name, address and ZIP code if necessary.</p> <p>According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0237. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.</p> <p>Everyone who receives a form must return one by mail or via the Internet at</p> <p style="text-align: center;">www.aqcounts.usda.gov</p> <p style="text-align: center;">Your report is due by January 15, 2024.</p> <p style="text-align: center;">Questions? Call us toll free at 1-888-4AG-STAT (1-888-424-7828)</p>
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Census of Aquaculture

- 2023 will be the fifth national Census of Aquaculture
- Value of aquaculture products sold in the U.S. has increased from \$45 million in 1974 to more than \$1.5 billion in 2018

Catfish and Trout Surveys

- The January Catfish Growers Survey and the January Trout Survey will be conducted in conjunction with the Census of Aquaculture.
- The 2023 Census of Aquaculture, 2024 Catfish Growers Survey, and the 2024 Annual Trout Survey will all be conducted using one inclusive questionnaire/Blaise instrument

Documents to Keep Handy

Form Number 25 (02/23) (09/10) (02/23)

GMO No. 2023-2027 Approval Expires 09/10/2027



INSTRUCTION SHEET 2023 CENSUS OF AQUACULTURE



Completing the 2023 Census of Aquaculture Census form

Make all entries clear and easy to read. Use a blue or black ball point pen.

General

Refer to the instructions below for completing your 2023 Census of Aquaculture form. The enclosed census form was mailed to aquaculture producers throughout the United States. Because it is meant for use in all parts of the country, it may contain items and inquiries which do not apply to your operation. In this case, mark the "No" or "None" box and continue to the next item or section. If you did not produce aquaculture products of any kind in 2023, please see the instructions in Section 1 on this page.

Partial Year Operation

If you stopped producing aquaculture products at any time during 2023, complete the census form for the portion of 2023 that you did produce. Write "Stopped producing in 2023" and the date you stopped producing below the address area. Mail the completed census form in the return envelope.

If You Receive More Than One Census Form for the Same Operation

Return any duplicate census forms in the same

Instructions by Section

Section 1 – Aquaculture Production Screening

This section determines whether or not your operation is within the scope of this census.

Item 1 – Report whether you produced and/or raised any aquaculture or aquaculture products of any kind in 2023. Aquaculture products include fish of any kind, (i.e., catfish, trout, food or sport fish, perch, baitfish, minnows, etc.), crawfish, shellfish, mollusks, crustaceans, clams, oysters, soft-shell crabs, egg production, ornamentals, koi, seahorses, turtles, algae, alligators, frogs, live rock, and any other aquaculture products. If you did not produce any aquaculture products of any kind in 2023, please mark "No" and continue to Section 13 on the back page of the form and complete the remainder of the census form.

Section 2 – Sources of Water

This section determines sources of water that this operation used for its aquaculture production in 2023.

Check the appropriate non-saltwater option to report freshwater converted to saltwater by adding chemicals.

Section 3 – Methods of Production



United States
Department of
Agriculture

National
Agricultural
Statistics
Service

Agricultural
Statistics
Board

Washington, D.C.
20250



October 2023

2023 Census of Aquaculture

Interviewer's Manual



Interviewer's Manual

- Chapter 1 – General Info
- Chapter 2 – Terms and Definitions
- Chapter 3 – Overview
- Chapter 4 – Completing Report Form
 - References Paper Survey
 - Some good clarifying information for questions
- Appendix A – Catfish Length/Weight Table
- Appendix B – Trout Length/Weight Table

Survey Contents

1. Aquaculture production screening
2. Sources of water
3. Methods of production
4. Catfish production
5. Trout production
6. Food and/or Sport fish
7. Baitfish
8. Crustaceans and Mollusks
9. Ornamental fish
10. Miscellaneous aquaculture
11. Sales outlet by species (Excluding catfish and trout)
12. Aquaculture distributed (Not sold)
13. Operation

Screening

- In **2023**, did this operation or the individual(s) listed on the address label **produce and/or raise** any:
 - Catfish
 - Trout
 - Other Food Fish or Sport Fish, including tilapia, salmon, sunfish, perch, etc.
 - Baitfish including fathead minnows, goldfish, shiners, suckers, crawfish, etc.
 - Crustaceans and Mollusks, including clams, crabs, crawfish, oysters, shrimp soft-shell crabs, other shellfish, etc.
 - Ornamental fish, including koi, goldfish, seahorses, etc.
 - Aquaculture products, including eggs, algae and sea vegetables, alligators, caviar, eels, frogs, sea urchins, snails, tadpoles, turtles, turtle eggs, etc.

Produce means that inputs are supplied to add weight or change the form of aquatic animals.

Wild Caught Fish

These salmon were caught in the wild. They would **not** be counted in the Census of Aquaculture, even if they were being sold, because these people did not raise them.



Sources of Water

- In 2023, which of the following SOURCES of water did this operation use for its aquaculture production? (Check all that apply)
 - **On-farm surface water**
 - **Groundwater / Well water**
 - **Off-farm water**
 - **Saltwater**

METHODS OF PRODUCTION

- In 2023, how many **acres or surface area square feet** were used for?
 - Asked for both freshwater and saltwater
 - Of the acres reported, how many were leased **from** others?



METHODS OF PRODUCTION

- Which production methods did this operation use in 2023? Report number and size (in acres or square feet).
 - Ponds
 - Cropland used for crawfish
 - Flow through raceways
 - Recirculating systems
 - Non-recirculating systems
 - Aquaponics
 - Cages or pens
 - Mollusks on bottom
 - Mollusks off bottom
 - Other (specify)
 - See Pages 202 & 203 of the Census of Aquaculture Interviewer's Manual for explanations of these production methods

Catfish Production

- Total WATER ACRES used and to be used on this operation to produce catfish
- Water area of NEW FACILITIES under construction or to be constructed for
- Water area TAKEN OUT OF PRODUCTION
- Total acres USED OR TO BE USED FOR HYBRID CATFISH

Catfish Production

- What was this operation's estimated inventory of catfish in the following size categories?
 - Broodfish (used for breeding)
 - Large Foodsize (over 3 pounds)
 - Medium Foodsize (over 1.5 pounds up to 3 pounds)
 - Small Foodsize (over $\frac{3}{4}$ lbs up to 1.5 lbs)
 - Large Stockers (over 180lbs up to 750 lbs per 1000 fish)
 - Small Stockers (over 60 lbs up to 180 lbs per 1000 fish)
 - Fingerlings (2 to 6 inches in length or 2 to 60 pounds per 1000 fish)

Catfish Sales

Note: Value of catfish **produced and not sold but distributed** for restoration, conservation, or recreation purposes should be reported in Section 12, page 15

Clarification: Some State and Federally funded hatcheries produce aquaculture products for restoration, conservation, or recreational purposes that are released into the wild and are **NOT SOLD**

-The value of these products would be recorded in Section 12

Catfish Sales

- During 2023, what were this operation's Total Catfish Sales?
 - Broodfish (being or to be used for breeding)
 - Broodfish (previously used for breeding)
 - All Foodsize
 - Stockers
 - Fingerlings
 - Fry
 - Catfish eggs



Who Were the Catfish Sold To?

- What percent of the total value of catfish sales reported in the previous questions was sold directly to each of the following point of first sale outlets?
 - Processors
 - Live haulers/brokers
 - Retail outlets
 - Direct to consumers
 - Recreational stocking
 - Wholesale to other producers
 - Government agencies
 - Exports
 - Other (specify)
- Sum of categories must = 100%

Trout Production

- Did this operation **sell** any trout or trout eggs in 2023?
- What were the total trout sales of fish and eggs produced on this operation during 2023?
 - Broodfish
 - 12 inches or longer
 - 6"-12"
 - 1"-6"
 - Trout Eggs
- Report total number sold, total pounds live weight, and total dollars received.

Who Did They Sell Trout To?

- In 2023, what percent of the total value of trout sales reported in the previous questions above was sold directly to each of the following point of first sale outlets?
 - Processors
 - Live haulers/brokers
 - Direct to consumers
 - Recreational stocking
 - Wholesale to other producers
 - Government agencies
 - Exports
 - Other (specify)
- Sum of categories must = 100%

Trout Losses/Deaths

- What were the total **number** and **live weight pounds** of trout lost during 2023 for each of the following reasons?
 - Disease
 - Theft or vandalism
 - Chemical contamination
 - Drought
 - Flood
 - Predators
 - Other (specify)

Food and/or Sport Fish

- Other than catfish or trout, did this operation **sell** any food fish or sport fish, including carp used as biological control agents, in 2023?
- Use a separate line for each species and size category sold. For each, report:
 - Total number of fish or eggs sold
 - Total pounds live weight sold
 - Total sales

Baitfish

- Did this operation **sell** any baitfish, including crawfish sold for bait, in 2023?
- How many surface acres of water were used to produce baitfish in 2023?
- Two ways to report baitfish sales:
 - By the pound
 - By the gallon
 - Report baitfish sold and total dollars received

Crustaceans and Mollusks

- Did this operation **sell** any crustaceans or mollusks in 2023?
- Use a separate line for each species and size category sold. For each, report:
 - Total number of units sold
 - Total number of pounds per unit OR Total pounds sold
 - Average number of crustaceans or mollusks per unit
 - Total sales

Ornamental Fish

- Did this operation **sell** any ornamental fish in 2023?
- Report for each species separately:
 - Number of units produced and sold
 - Type of unit
 - Number of fish, pounds, boxes, etc.
 - Average number of fish per unit
 - Total sales

Miscellaneous Aquaculture Products

- Did this operation **sell** any other aquaculture products in 2023?
 - Include:
 - Only other aquaculture products
 - All size categories within each species
- Report number sold, pounds sold, and total dollars

Sales Outlet by Species

(Exclude catfish and trout)

- Did this operation **sell** any of their aquaculture products in 2023?
 - Food fish, Sport fish, Baitfish, Ornamentals, Crustaceans, Mollusks, Others
- In 2023, what percent of this operations total value of aquaculture sales was sold to:
 - Processors
 - Live haulers/brokers
 - Retail outlets
 - Direct to consumers
 - Recreational stocking
 - Wholesale to other producers
 - Government agencies
 - Exports
 - Other (specify)

Aquaculture Distributed (Not sold)

- Did this operation distribute aquaculture products for restoration, conservation, enhancement, or recreational purposes during 2023?
- Report, by species category:
 - Number distributed
 - Pounds distributed
 - Number of eggs or seed stock distributed
 - Estimated total value of product distributed

Operation Questions

- Did this operation grow and sell aquatic plants in 2023?
- In the future, does this operation intend to produce aquaculture products?
- Is it possible the information on this form would be reported by another operation or under another name?
- Do you make any day-to-day decisions for another aquaculture operation?
- Has this operation been sold or turned over to someone else?

Things to Watch Out For

- There are quite a few possible warnings and errors you may encounter.
 - Instrument has all the warnings normally found in the Catfish and Trout surveys in addition to more warnings for the other sections of the Census of Aquaculture.
 - Cannot have more water area leased than total water area used for production
 - Average weight of fish too high/low



Things to Watch Out For

- Average price too high/low
- Percent of sales to the different outlets must add to 100%
- If answer is “Yes” on the screening question asking if there were sales, then, there should be sales reported in that section



Conclusion

- **Exclude** any wild-caught aquaculture!
- Out of Business?
- Practice in Blaise before calling!
- Please contact a coach or supervisor with any questions
- F9 notes for anything you need to explain!
- Thanks, and have a great survey!

[Click here to return to list of materials](#)

2023 Census of Aquaculture Information

Overview:

Follow-on survey to the 2022 Census of Agriculture

Purpose: Provides detailed, comprehensive production and economic data on the aquaculture industry. The January Catfish Growers Survey and the January Trout Survey will be conducted in conjunction with the Census of Aquaculture. The 2023 Census of Aquaculture, 2024 Catfish Growers Survey, and the 2024 Annual Trout Survey will all be conducted using one inclusive questionnaire.

Project Code: **658: Census of Aquaculture**

Mailings:

- Initial Mailing: December 18th
- Follow-up mailing: January 23rd

Release:

- *Catfish Production*, February 15, 2024
- *Trout Production*, February 25, 2024
- *Aquaculture*, December 17, 2024



Survey Sections:

Aquaculture production screening

Sources of water

Methods of production

Catfish production

Trout production

Food and/or Sport fish

Baitfish

Crustaceans and Mollusks

Ornamental fish

Miscellaneous aquaculture

Sales outlet by species (Excluding catfish and trout)

Aquaculture distributed (Not sold)

Operation



Interviewer's Manual:

- Chapter 1 – General Info
- Chapter 2 – Terms and Definitions
- Chapter 3 – Overview
- Chapter 4 – Completing Report Form
- Appendix A – Catfish Length/Weight Table
- Appendix B – Trout Length/Weight Table

Watch For:

- **Wild-caught products – exclude these!**
- Exclude products immediately resold or distributed.
 - Value must have been added for the product to be included
- If items were not sold, but were distributed, report in Section 12.
- Exclude any catfish or trout sales from Section 11 (Sales)
 - Catfish and Trout sales should be reported in the catfish and trout sections only
- Percentage questions must add up to 100% in each column.
- Out of business operations.
 - Will still conduct survey if the operation had aquaculture at any point in 2023!



2023 Census of Aquaculture Practice Interviews

[Click here to return to list of materials](#)

Practice Exercise 1 (Catfish)

Who is responding? **Operator**

Let me verify the name, address, and phone number that I have for this operation.

Is this information correct? **Yes**

In 2023 did this operation produce and/or raise any of the aquaculture products listed below? **Yes**

Which of the following sources of water did this operation use for its aquaculture production?

On-farm surface water

How many freshwater acres were used to produce fish, mollusks, crustaceans, or other aquaculture products in 2023? **75**

How many of these acres were rented or leased from others? **0**

How many saltwater acres were used to produce fish, mollusks, crustaceans, or other aquaculture products in 2023? **0**

Which of the following production methods did this operation use in 2023? **Ponds**

How many ponds were used to produce aquaculture products? **4**

What was the total water surface area of these three ponds? **46 acres**

Were any catfish produced or sold from this operation during 2023? **Yes**

What are the total water acres used and to be used on this operation to produce catfish during the period of January 1 – June 30, 2024? **46 acres**

How many of the total acres are currently being or will be renovated during the period of January 1 – June 30, 2024? **0**

How many of the total acres are used for broodfish production? **2**

How many of the total acres are used for foodsize production? **30**

How many of the total acres are used exclusively for fingerlings? **8**



What is the water area of new facilities under construction or to be constructed for use during the period of January 1 – June 30, 2024? **0**

Of the facilities previously used to produce catfish, how much water was taken out of production during the period July 1 – December 31, 2023? **0**

How many of the total acres are used or to be used for hybrid catfish during the period of January 1 – June 30, 2024? **6**

On January 1, 2024, what was the total number of broodfish in this operation's inventory? **3,000**

On January 1, 2024, what was the total weight, in pounds, of the broodfish? **18,000**

On January 1, 2024, what was the total number of large foodsize catfish in this operation's inventory? **5000**

On January 1, 2024, what was the total weight in pounds of the small foodsize catfish? **Don't know**

On January 1, 2024, what was the estimated average pounds per fish for the large foodsize catfish? **4**

On January 1, 2024, what was the total number of medium foodsize catfish in this operation's inventory? **0**

On January 1, 2024, what was the total number of small foodsize catfish in this operation's inventory? **Blank**

On January 1, 2024, what was the total weight in pounds of the small foodsize catfish? **8,000**

On January 1, 2024, what was the estimated average pounds per fish for the small foodsize catfish? **2**

On January 1, 2024, what was the total number of large stockers in this operation's catfish inventory? **0**

On January 1, 2024, what was the total number of small stockers in this operation's catfish inventory? **0**

On January 1, 2024, what was the total number of fingerlings in this operation's catfish inventory? **0**

During 2023, what was the total number of catfish sold as broodfish being used or to be used for breeding? **0**

During 2023, what was the total number of catfish sold as broodfish previously used for breeding? **0**

During 2023, what was the total number of catfish sold as foodsize (all)? **15,000**

During 2023, what was the total pounds live weight of catfish sold as foodsize (all)? **43,000**

During 2023, what was the catfish total sales in dollars for all foodsize? **\$60,000**

During 2023, what was the total number of catfish sold as stockers? **0**

During 2023, what was the total number of catfish sold as fingerlings? **20,000**

During 2023, what was the total pounds live weight of catfish sold as fingerlings? **200**

During 2023, what were the catfish total sales in dollars for fingerlings? **\$500**

During 2023, what was the total number of catfish sold as fry? **0**

During 2023, what was the total number of catfish sold as eggs? **200,000**

During 2023, what were the catfish total sales in dollars for eggs? **\$4,000**

During 2023 what percent (value of sales) of the foodsize catfish sales was sold to processors? **70**

During 2023 what percent (value of sales) of the foodsize catfish sales was sold to live haulers/brokers? **0**

During 2023 what percent (value of sales) of the foodsize catfish sales was sold to retail outlets? **25**

During 2023 what percent (value of sales) of the foodsize catfish sales was sold to directly to consumers?
5

During 2023 what percent (value of sales) of the foodsize catfish sales was sold for recreational stocking?
0

During 2023 what percent (value of sales) of the foodsize catfish sales was sold wholesale to other producers? **0**

During 2023 what percent (value of sales) of the foodsize catfish sales was sold to government agencies?
0

During 2023 what percent (value of sales) of the foodsize catfish sales was sold as exports? **0**

During 2023 what percent (value of sales) of the foodsize catfish sales was sold to others? **0**

Did this operation produce and sell any trout or trout eggs in 2023? **No**

Other than catfish or trout, did this operation produce and sell any food fish or sport fish in 2023? **No**

Did this operation produce and sell any baitfish 2023? **No**

Did this operation produce and sell any crustaceans or mollusks in 2023? **No**

Did this operation produce and sell any ornamental fish in 2023? **No**

Did this operation produce and sell any other aquaculture products in 2023? **No**

Did this operation distribute aquaculture products for restoration, conservation, enhancement, or recreational purposes during 2023? **No**

Did this operation grow and sell aquatic plants in 2023? **No**

In the future does this operation intend to produce aquaculture products? **Yes**

Is it possible that this information would be reported by another operation or under another name? **No**

Do you make any day to day decisions for another aquaculture operation? **No**

This completes the survey.



Practice Exercise 2 (Trout)

Who is responding? **Operator**

Let me verify the name, address, and phone number that I have for this operation.

Is this information correct? **Yes**

In 2023 did this operation produce and/or raise any of the aquaculture products listed below? **Yes**

Which of the following sources of water did this operation use for its aquaculture production?

Off-farm water

How many freshwater acres were used to produce fish, mollusks, crustaceans, or other aquaculture products in 2023? **10**

How many of these acres were rented or leased from others? **5**

How many saltwater acres were used to produce fish, mollusks, crustaceans, or other aquaculture products in 2023? **0**

Which of the following production methods did this operation use in 2023? **Recirculating System**

How many recirculating tanks were used to produce aquaculture products? **30**

What was the total volume of these thirty tanks? **15,000 gallons**

Were any catfish produced or sold from this operation during 2023? **No**

Did this operation produce and sell any trout or trout eggs in 2023? **Yes**

What was the number of trout broodfish sold during 2023? **0**

What was the number of trout 12 inches or longer that were sold during 2023? **20,000**

What was the total live weight of these 20,000 trout? **30,000 pounds**

What were the total sales received for these trout? **\$45,000**

What was the number of trout 6 - 12 inches long that were sold during 2023? **10,000**

What was the total live weight of these 10,000 trout? **3,000 pounds**

What were the total sales received for these trout? **\$8,600**



What was the number of trout 1-6 inches long that were sold during 2023? **0**

What was the number of trout eggs that were sold during 2023? **975,000**

What were the total sales received for these trout eggs? **\$19,500**

During 2023 what percent (value of sales) of trout 12 inches or longer was sold to processors? **40**

During 2023 what percent (value of sales) of trout 12 inches or longer was sold to live haulers/brokers? **0**

During 2023 what percent (value of sales) of trout 12 inches or longer was sold to retail outlets? **60**

During 2023 what percent (value of sales) of trout 12 inches or longer was sold to directly to consumers?
0

During 2023 what percent (value of sales) of trout 12 inches or longer was sold for recreational stocking?
0

During 2023 what percent (value of sales) of trout 12 inches or longer was sold wholesale to other producers? **0**

During 2023 what percent (value of sales) of trout 12 inches or longer was sold to government agencies?
0

During 2023 what percent (value of sales) of trout 12 inches or longer was sold as exports? **0**

During 2023 what percent (value of sales) of trout 12 inches or longer was sold to others? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold to processors? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold to live haulers/brokers? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold to retail outlets? **100**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold to directly to consumers? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold for recreational stocking? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold wholesale to other producers? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold to government agencies? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold as exports? **0**

During 2023 what percent (value of sales) of trout 6- 12 inches was sold to others? **0**



During 2023 what were the total number of trout lost that were intended for sale due to disease? **0**

During 2023 what were the total number of trout lost that were intended for sale due to theft/vandalism? **0**

During 2023 what were the total number of trout lost that were intended for sale due to chemical contamination? **0**

During 2023 what were the total number of trout lost that were intended for sale due to droughts? **0**

During 2023 what were the total number of trout lost that were intended for sale due to floods? **0**

During 2023 what were the total number of trout lost that were intended for sale due to predators? **450**

What was the total live weight pounds of the 450 trout lost to predators? **562 pounds**

During 2023 what were the total number of trout lost that were intended for sale due to other causes? **0**

Other than catfish or trout, did this operation produce and sell any food fish or sport fish in 2023? **No**

Did this operation produce and sell any baitfish 2023? **No**

Did this operation produce and sell any crustaceans or mollusks in 2023? **No**

Did this operation produce and sell any ornamental fish in 2023? **No**

Did this operation produce and sell any other aquaculture products in 2023? **No**

Did this operation distribute aquaculture products for restoration, conservation, enhancement, or recreational purposes during 2023? **Yes**

What were the aquaculture products distributed? **Trout Eggs**

What was the number of trout 12 inches or longer that were distributed during 2023? **0**

What was the number of trout 6-12 inches long that were distributed during 2023? **0**

What was the number of trout 1-6 inches long that were distributed during 2023? **0**

What was the number of trout eggs that were distributed during 2023? **250,000**

What is the estimated value of these 250,000 trout eggs that were distributed? **\$5,000**

Did this operation grow and sell aquatic plants in 2023? **No**

In the future does this operation intend to produce aquaculture products? **Yes**

Is it possible that this information would be reported by another operation or under another name? **No**

Do you make any day to day decisions for another aquaculture operation? **No**

This completes the survey.



Practice Exercise 3 (Crustacean)

Who is responding? **Spouse – Jeannie Farmer**

Let me verify the name, address, and phone number that I have for this operation.

Is this information correct? **Yes**

In 2023 did this operation produce and/or raise any of the aquaculture products listed below? **Yes**

Which of the following sources of water did this operation use for its aquaculture production? **Groundwater**

How many freshwater acres were used to produce fish, mollusks, crustaceans, or other aquaculture products in 2023? **35**

How many of these acres were rented or leased from others? **0**

How many saltwater acres were used to produce fish, mollusks, crustaceans, or other aquaculture products in 2023? **0**

Which of the following production methods did this operation use in 2023? **Cropland used for crawfish**

How many total cropland acres were used for crawfish production? **35**

Were any catfish produced or sold from this operation during 2023? **No**

Did this operation produce and sell any trout or trout eggs in 2023? **No**

Other than catfish or trout, did this operation produce and sell any food fish or sport fish in 2023? **No**

Did this operation produce and sell any baitfish 2023? **No**



Did this operation produce and sell any crustaceans or mollusks in 2023? **Yes**

What species of crustacean or mollusk was sold in 2023? **Crawfish**

Specify the size category for these crawfish: **Foodsize**

What was the total number of units sold in 2023? **15,000 pounds in the shell**

What was the average number of crawfish per pound in shell sold? **13**

What was the total dollar amount received for the 15,000 pounds sold in 2023? **\$60,000**

Did this operation produce and sell any ornamental fish in 2023? **No**

Did this operation produce and sell any other aquaculture products in 2023? **No**

Did this operation sell any of their aquaculture products in 2023? **Yes**

During 2023 what percent (value of sales) of crawfish sales was sold to processors? **0**

During 2023 what percent (value of sales) of crawfish sales was sold to live haulers/brokers? **0**

During 2023 what percent (value of sales) of crawfish sales was sold to retail outlets? **50**

During 2023 what percent (value of sales) of crawfish sales was sold to directly to consumers?
50

During 2023 what percent (value of sales) of crawfish sales was sold for recreational stocking?
0

During 2023 what percent (value of sales) of crawfish sales was sold wholesale to other producers? **0**

During 2023 what percent (value of sales) of crawfish sales was sold to government agencies?
0

During 2023 what percent (value of sales) of crawfish sales was sold as exports? **0**

During 2023 what percent (value of sales) of crawfish sales was sold to others? **0**

Did this operation distribute aquaculture products for restoration, conservation, enhancement, or recreational purposes during 2023? **No**

Did this operation grow and sell aquatic plants in 2023? **No**

In the future does this operation intend to produce aquaculture products? **Yes**

Is it possible that this information would be reported by another operation or under another name? **No**

Do you make any day to day decisions for another aquaculture operation? **No**

This completes the survey.

