

Missouri Aquaculture Directory



**2016
Missouri Aquaculture
Association Members**

Table of Contents

MoAA Purpose.....	3
MoAA Membership Application.....	4
History of Missouri Aquaculture	5
Missouri Aquaculture Organizations	
Missouri Aquaculture Association.....	8
Missouri Aquaculture Council.....	9
Missouri Aquaculture Coordinating Council.....	10
North Central Region Aquaculture Center.....	11
Featured Businesses	
Crystal Lake Fisheries, Inc.	12
Flowers Fish Farm, LLC	13
Osage Catfisheries, Inc.	14
Ozark Fisheries, Inc.	15
Troutdale Farm	16
A Snapshot of Member Businesses.....	17
Product Categories	
Baitfish.....	19
Food-Sized Fish or Stockers.....	20
Fish for Stocking	21
Ornamental Fish	22
Products and Services.....	22
Fish Processors	23
Recreational Fishing & Agritourism.....	23
MoAA Member Information.....	24
Assistance	28

MoAA Purpose

Missouri has one aquaculture producers organization, the Missouri Aquaculture Association (MoAA). Originally organized as the Missouri Fish Farmers Association (MFFA) in 1963, members voted for the change during the 1996 business meeting. The change was established to broaden the interests of the group and to unite all segments of the industry under one body. The stated mission of MoAA is to promote the success of aquaculture in Missouri. The Association serves the common interest of its members as a unified voice to represent and actively promote the causes and issues which affect the industry and its members. The Association is committed to improving the quantity, quality, and efficiency of aquaculture production in an environmentally responsible manner with maximum opportunity for profitability in all sectors of the industry.

The Association is open to all individuals and firms with an interest in aquaculture. Some benefits of MoAA membership include:

- Contact with Missouri producers and others in the industry;
- Notice of important meetings and workshops;
- Subscription to the MoAA newsletter;
- Automatic membership in the National Aquaculture Association (NAA) which includes a newsletter focused on national issues;
- Listing on the MoAA web site and in the member directory at www.moaquaculture.org
- Discounted admission to state and national meetings.

Membership in MoAA helps to strengthen the industry and gives fish producers a voice in the future of aquaculture in Missouri. Joining is as easy as completing the application on the next page.



MoAA Membership Application

The Missouri Aquaculture Association is open to anyone interested in aquaculture. Membership is on an annual basis and requires a completed membership application and \$35.00 dues. As soon as they are received, members should begin receiving MoAA and National Aquaculture Association newsletters and notices. They also are eligible to be included in this directory as well as the online edition. More information about MoAA as well as a membership form are available at www.moaquaculture.org. Please mail completed membership forms and payment to the MoAA treasurer:

Vanessa Johnson
Crystal Lake Fisheries
Route 2, Box 528
Ava, MO 65608

Date _____

Name(s) _____

Company _____ Name _____

Address _____

City _____ State _____ ZIP _____

Phone _____ Fax _____

E-mail _____

Web _____ Site _____

Business Description _____

History of Missouri Aquaculture

In Missouri, aquaculture originated with the State Fish Commission and the Federal government. The State built their first fish hatchery at Brown Spring near St. Joseph and the Federal government developed the Neosho hatchery in 1888. Attempts at commercial aquaculture soon followed and continue today.



Workers loading containers of fish at Neosho National Fish Hatchery.

During the early 1920s, several farsighted entrepreneurs made attempts to culture trout in Missouri's many springs. The spring areas in Missouri were unique because most had already been developed to supply power for grist mills and these areas were the gathering places in the Ozarks. One of the first commercial ventures was a small trout hatchery started by a Tulsa dentist named Dr. Furrow at Bennett Spring. In 1924, he sold the facility to the State of Missouri.



Ozark Fisheries staff loading goldfish into custom containers which allowed their fish to be shipped by rail car.

Dr. Furrow and a partner from Tulsa, F. Lawrence Bailiere, located another site for raising fish at the village of Wet Glaize in Camden County. This hatchery was the birth of Ozark Fisheries, Inc., one of the oldest and largest continually operating facilities in Missouri. Trout

were raised for two years; however, the venture was not profitable. During the 1920s, a fad of keeping goldfish in a bowl was fueled by the establishment of pet departments in many of the major chain stores such as S.S. Kresge and Woolworths. The owners of Ozark Fisheries realized an opportunity and made arrangements to raise goldfish. They have been in the goldfish business ever since. Currently, Larry Cleveland, a third-generation member of the Bailliere family, is the president of Ozark Fisheries.

During the same era, two German immigrants, H.K. Welpman and A.F. Fagen, started Missouri Goldfish Company in 1929 near Stover. In the early 1950s, Missouri Goldfish was the first in the United States to domesticate and breed the golden shiner. Missouri Goldfish is still in operation under the guidance of a third-generation family member, Randy Welpman.

In the early 1920s, Lige Oliver Williams of Gravois Mills started Troutdale Ranch by modifying a spring that was on his property. In the 1950s and 1960s, the business was owned by John Belcher who sold it to Allen Gates and his family in the mid 1960s. Allen was familiar with the trout operations in Idaho, and realized the potential of trout for Midwest markets. He also invented the boned method of processing trout. In 2002, Dennis and Merritt Van Landuyt purchased Troutdale Ranch from the Gates family and have renovated and renamed it Troutdale Farm.



Grandpa Emerson, Ralph King, and the Emerson children loading fish with Mr. Belcher at Troutdale Ranch about 1959.

In 1953, Jim Kahrs, a Missouri native and a recent graduate in Fisheries from Oregon State University, established Osage Catfisheries, Incorporated in Osage Beach convinced that opportunities existed for selling fingerling fish for restocking

farm ponds and other uses. The business grew into a very successful fry and fingerling operation and now consists of three farms plus Sycamore Creek Golf Course. Today, Osage Catfisheries is managed by his children.

Bill Flowers was a school teacher in southern Missouri who began fish farming in his spare time. In 1966, he established Flowers Fish Farm in Dexter. Today, the business is operated by his children and has grown to include three farms with a total of 425 acres of water.

After looking around the United States for a suitable site, Mary Alice and Dwight Emerson purchased a spring near Ava in 1951 to produce trout. They encountered many problems



Three of the Emerson children and their grandparents loading trout at Crystal Lake Fisheries around 1953.

in developing a viable business but diligently pursued their dream. Their efforts gradually were rewarded and today Crystal Lake Fisheries, one of the largest trout farms in Missouri, is managed by their children.

In 1954, Lile and Edith Amyx purchased the town of Rockbridge which included the old mill, general store, bank, spring, and fishing stream. Rainbow Trout Ranch and Rockbridge Gun Club is the result of their hard work and is well known throughout the Midwest as a prime vacation spot in the Ozarks.

Gene Peroit from near Golden and Wayne Lucke of Lucky Lakes near Palmyra were early fish farmers who developed many techniques to make fish farming less difficult. Gene Peroit always had a new trap or different method for harvesting fish from a pond. This innovation and diversity continues in today's producers.

Missouri Aquaculture Organizations

The Missouri aquaculture industry is formally guided by three groups: the Missouri Aquaculture Association, the Missouri Aquaculture Council, and the Missouri Aquaculture Coordinating Council.

Missouri Aquaculture Association

The Missouri Aquaculture Association (MoAA) was established in 1963 as the Missouri Fish Farmers Association. The name changed in 1996 but the Association continues to serve as a unified voice to represent MoAA members in issues that affect them and to promote the aquaculture industry. MoAA is a producer organization led by a twelve member board. These individuals are elected at the annual business meeting as outlined in the MoAA by-laws and serve for a period of three years. The officers are elected from the board. The secretary and treasurer serve for three years while the president and president-elect serve two year terms. Below are the current Board members and the year through which they serve.

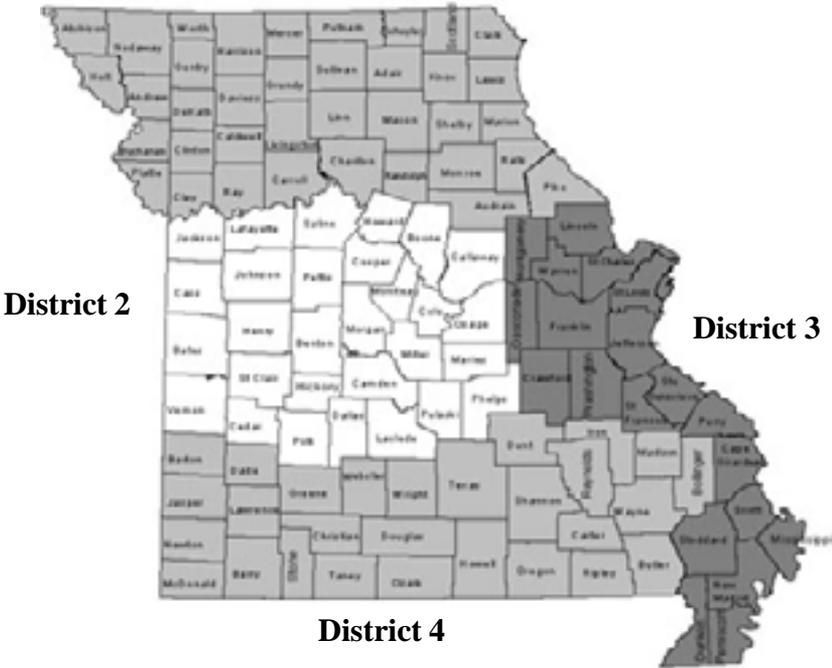
David Emerson President	Crystal Lake Fisheries, Inc.	2016
Ed McMillen President-Elect	M-n-N Fish	2017
Vanessa Johnson Secretary/Treasurer	Crystal Lake Fisheries, Inc.	2016
Larry Cleveland	Ozark Fisheries, Inc.	2017
Kevin Flowers	Flowers Fish Farm	2017
Chuck Hicks	Hiller's Creek Botanicals & Aquatics	2016
Pete Kahrs	Osage Catfisheries, Inc.	2016
Jake Loesch	Ozark Fisheries, Inc.	2016
Norma Owens	C Highway Trout Farm	2016
Merritt Van Landuyt	Troutdale Farm	2018
Randy Welpman	Missouri Goldfish Hatchery	2017

Missouri Aquaculture Council

The Missouri Aquaculture Council (MAC) was established by law in August 1989 to administer the “Aquaculture Marketing Development Fund” which is used to promote aquaculture marketing activities. The fund MAC administers is collected from commercial fish farmers by the Missouri Department of Agriculture at a rate of \$3.00 per ton of fish food used.

The Council consists of five directors: one from each of the four regions of the state plus one at-large. MAC directors are elected by fish producers and serve three year terms.

District 1



District	Director	Business	Term End
1	Curtis Harrison	Harrison Fishery, Inc.	2018
2	Larry Cleveland	Ozark Fisheries, Inc.	2017
3	Kevin Flowers	Flowers Fish Farm, LLC	2017
4	Marvin Emerson	Crystal Lake Fisheries, Inc.	2018
At-Large	Paula Moore	Jones & Eaker Farms	2017

Missouri Aquaculture Coordinating Council

The Missouri Aquaculture Coordinating Council (MACC) was formed in 1994 as a result of the original Missouri aquaculture plan of 1981. The Council addresses issues of general concern to Missouri aquaculture and identifies areas of the industry where development efforts should be focused. The Missouri Aquaculture Coordinating Council operates under a Memorandum of Understanding between the Missouri Aquaculture Association; Missouri Departments of Agriculture, Conservation, Natural Resources, and Economic Development; Lincoln University and the University of Missouri-Columbia. The Council also includes ex-officio representatives from the Missouri Senate and Missouri House of Representatives.

North Central Region Aquaculture Center

The North Central Regional Aquaculture Center (NCRAC) is one of the five Regional Aquaculture Centers established by Congress. The mission of the Centers is to support aquaculture research, development, demonstration, and education. NCRAC was formed in February 1988 to serve the twelve states in the North Central Region: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. NCRAC is composed of several committees which provide input to Dr. Joseph Morris who leads the organization. The Industry Advisory Council (IAC) is made up of leaders in the aquaculture industry who provide direction to NCRAC programs. The Research and Extension Technical Committees work with the IAC to develop and implement projects to solve priority problems. The Board of Directors oversees administration and management of NCRAC's programs. More information on the organization can be found at www.ncrac.org. The NCRAC representatives for Missouri are:

Industry Advisory Council

- Marvin Emerson, Crystal Lake Fisheries, Inc.

Extension Technical Committee

- Dr. Robert Pierce, University of Missouri

Research Technical Committee

- Dr. James Wetzel II, Lincoln University

Crystal Lake Fisheries, Inc.

Dependable Live Delivery of Rainbow Trout

Crystal Lake Fisheries, Inc. has been a family operated business for 60 years. Our aquaculture facility is fed by the constant flow of a clear Ozark Mountain spring, which produces about 10 million gallons per day. Beautiful, healthy rainbow trout fill 52 compartmentalized raceways at the farm, where rainbows range in size from fry to fingerlings to large adults.



The trout at Crystal Lake Fisheries are produced for live delivery to markets up to twelve hundred miles away. Our programmed feeding allows us to have trout available year around. We sell to resorts, private estates, and other fish farms, as well as city, county and state recreational parks and hatcheries. We carefully sort each order to assure that each delivery will be accurate. Specializing in catchables, other sizes are also available which include lunkers, fingerlings and fry.



Flowers Fish Farm, LLC

Flowers Fish Farm, LLC is a family owned and operated business with almost 40 years experience in the aquaculture industry. Second generation management strives to produce quality fingerlings and provide service for our customers at competitive prices. With approximately 425 acres of water in production, we produce channel catfish in all size ranges. Bluegill, hybrid bluegill, red ear sunfish, crappie, grass carp, and fathead minnows are also raised on our farm. Please allow us the opportunity to serve you.



Osage Catfisheries, Inc.

Osage Catfisheries, Inc. is a family-owned aquaculture operation located in the Missouri Ozarks in central Missouri. The Kahrs family has been providing fish and fish products to domestic and international partners for more than 50 years. We are known throughout the industry for supplying the highest quality seed stock of many different types of Missouri and Mississippi Valley warm-water fish species.

Our family has been recognized as one of Missouri's outstanding agribusinesses and we stand behind the quality and high standards of our fish for all our customers. As our business has grown, we have been careful to monitor and protect our



broodstock to ensure the continued strong disease resistance our clients need in our fish. Because of our emphasis on genetic integrity and personal service for our clients, our business has been able to avoid the losses due to disease that occur in some parts of the U.S.

Since the 1970's, Osage Catfisheries, Inc., has grown and developed relationships with businesses across the United States and around the world. We have the experience and expertise that international business requires, and are proud to achieve the highest quality when our clients import OCI eggs and broodstock.

Our international experiences provide us with the knowledge to offer technical support for all of our client's fish growing needs. We are a quick email or phone call away and are prompt to answer questions and serve our customers through our own wealth of experience and knowledge or through a vast network of experts who can also assist with your questions.

We will be happy to meet your needs - call us and see how we can put our experience and expertise to work for you.

Ozark Fisheries, Inc.

Ozark Fisheries was established in 1926 by F. Lawrence Bailliere with the intent to produce rainbow trout but the focus was changed within two years. In the early 1920's, the big boom in goldfish popularity started with the establishment of pet departments in the large chain stores. There were over 60 goldfish producers in the U.S. in the early 1920's; however, their combined production would only supply goldfish from September through January or February the following year.



On January 1, 1928, Roy Nakashima, was employed to build and operate the new enterprise. The trout raceways were converted to goldfish ponds. Pond construction began with horse teams and slip scoops along with wheelbarrows and shovels. From the early days, Ozark's goldfish production included Commons, Calico Fantails, Black Telescopic Moors, Red Fantails and Shubunkins. The construction of Lake of the Ozarks late in the 1930's was important for the future of Ozark Fisheries as it allowed cull goldfish to be sold throughout the Lake area as bait. By 1936, all the land suitable for pond construction included in the original land purchase had been fully utilized.

In 1970 Ozark Fisheries purchased its largest competitor, Grassyfork Fisheries located in Martinsville, Indiana. Today Ozark Fisheries operates both locations as production and shipping facilities and handles all marketing and business functions from the Missouri farm. The two farms consist of 7,600 acres of land including approximately 800 ponds used to produce goldfish, koi, rosy red minnows, snails, bullfrog tadpoles and crawfish that are used in both aquariums and fish pools throughout North America.

Troutdale Farm

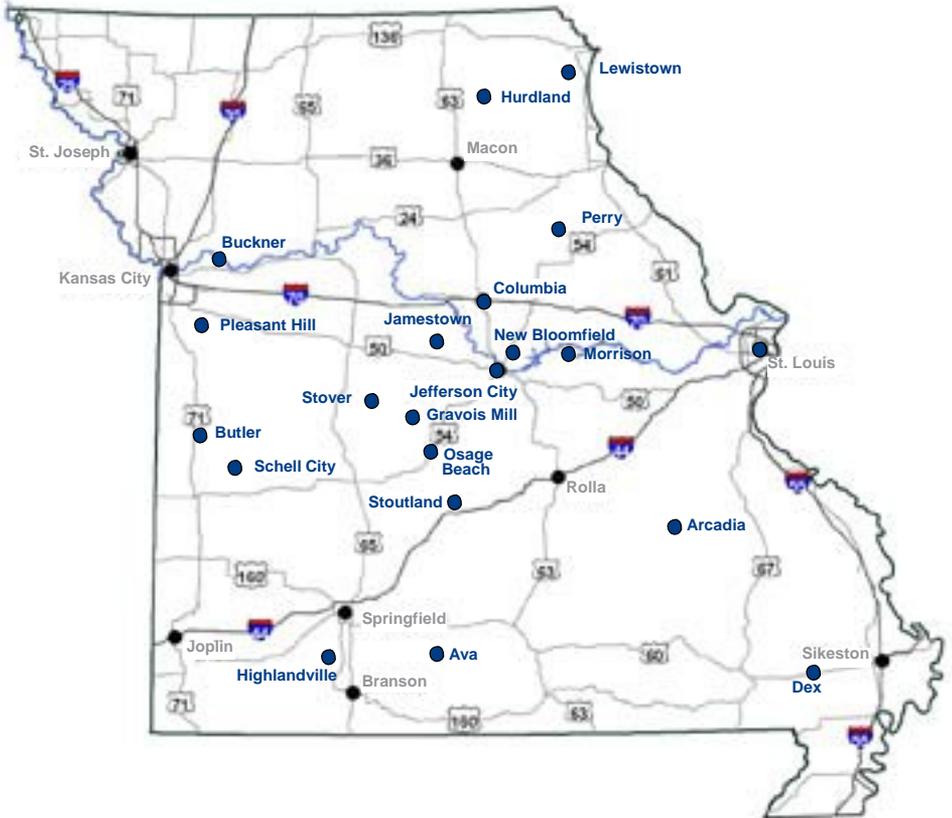
The first recorded use of the spring at Gravois Mills is by the Humes Family in the 1850's when it was developed as a mill for cotton or wool. Later it was used as a fishing lake. The 1930's began its history as a trout farm. Fewer than a dozen have operated the privately owned trout farm since that time and Troutdale's owners have included two past presidents of the US Trout Farmers Association.

Troutdale Farm is a producer and supplier of rainbow trout to fine dining restaurants and quality markets within the state of Missouri. Our trout are sorted, harvested and filleted by hand. Fresh trout is delivered weekly to customer specification. State and Federal inspections of the operation ensure compliance with sanitation and Hazard Analysis Critical Control Point (HACCP) programs. In addition to wholesale business, we participate in the Columbia Farmers Market and sell trout directly from the farm. We support the aquaculture industry through membership in Missouri Aquaculture Association.



A Snapshot of Member Businesses

The Missouri aquaculture industry is strong in part because of the variety of markets upon which Missouri businesses focus. Distribution to these markets is aided by Missouri aquaculturalists being scattered throughout the state. Supplying this market spectrum translates into a number of species being raised in a range of sizes in several production systems. Look on the map below to find a member business near you which can offer the product or service you need.



Baitfish

Country Fish Farm, LLC

fathead minnow, goldfish,
golden shiner, green sunfish,
tadpoles

Flowers Fish Farm

Fathead Minnow

Harrison Fishery, Inc.

crayfish, fathead minnow, golden shiner, goldfish, green sunfish

Heindselman Fish Farm

fathead minnow

M-n-N Fish

fathead minnow, goldfish, green sunfish

Missouri Goldfish Hatchery, Inc.

crayfish, fathead minnow, golden shiner, rosy red fathead minnow

Osage Catfisheries, Inc.

common carp, fathead minnow, golden shiner

Ozark Fisheries, Inc.

crayfish, fathead minnow, goldfish, rosy red fathead minnow

Food-Sized Fish or Stockers

Country Fish Farm

channel catfish, largemouth bass, black crappie, northern bluegill, hybrid bluegill

Crystal Lakes Fisheries, Inc.

rainbow trout

Flowers Fish Farm

channel catfish, grass carp

Harrison Fishery, Inc.

bighead carp, bluegill, channel catfish, grass carp, hybrid striped bass, largemouth bass, tilapia

M-n-N Fish

channel catfish, grass carp

Osage Catfisheries, Inc.

bighead carp, bluegill, channel catfish, grass carp, largemouth bass

Troutdale Farm

rainbow trout

Fish for Stocking

Country Fish Farm

channel catfish, largemouthbass, black crappie, northern bluegill, hybrid bluegill, fathead minnow, golden shiner, goldfish, redear sunfish, grass carp, green sunfish

Crystal Lakes Fisheries, Inc.

rainbow trout

Lake Fisheries, Inc.

rainbow trout

Flowers Fish Farm

bluegill, channel catfish, crappie, grass carp, hybrid bluegill, redear sunfish

Harrison Fishery, Inc.

bluegill, channel catfish, crappie, grass carp, green sunfish, hybrid bluegill, hybrid striped bass, largemouth bass, redear sunfish, smallmouth bass, walleye, yellow perch

Heindselman Fish Farm

channel catfish

M-n-N Fish

bluegill, channel catfish, crappie, grass carp, green sunfish, hybrid bluegill, largemouth bass, redear sunfish

Osage Catfisheries, Inc.

bluegill, channel catfish, crappie, grass carp, hybrid bluegill, largemouth bass, paddlefish, redear sunfish, smallmouth bass

Troutdale Farm

rainbow trout

Ornamental Fish

Country Fish Farm

Koi, goldfish

Flowers Fish Farm

albino catfish, koi

Harrison Fishery, Inc.

albino catfish, fantail goldfish, koi

Osage Catfisheries, Inc.

albino catfish

Ozark Fisheries, Inc.

black moor goldfish, calico fantail goldfish, common goldfish, red fantail goldfish, sarassa fantail goldfish, sarassa common goldfish, shubunkin goldfish, select koi, butterfly koi, trapdoor snails, bull-frog tadpoles

Products and Services

Country Fish Farm

Aerators, fountains, consulting, installation, pond management, fish hauling, food fish

Harrison Fishery, Inc.

business consulting, fish hauling, and pond management

MFA Incorporated

fish food

Osage Catfisheries, Inc.

business consulting and fish hauling

Fish Processors

Callaway's Caviar

sturgeon and paddlefish caviar

Troutdale Farm

fresh rainbow trout

Recreational Fishing & Agritourism

Country Fish Farm

farm tours by appointment

Ozark Fisheries, Inc.

farm tours by appointment

MoAA Member Information

Callaway's Caviar

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Crystal Lake Fisheries, Inc.

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www.crystallakefisheries.com

Flowers Fish Farm

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Harrison Fishery, Inc.

Curt and Kim Harrison
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Heindselman Fish Farm

Greg Heindselman
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(660) 341-5692
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Lincoln University

Dr. Jim Wetzel
Cooperative Research Program
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M-n-N Fish

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mnnfish@gmail.com

MFA Incorporated

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jspears@mfa-inc.com
www.mfa-inc.com

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Osage Catfisheries

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(573) 765-3166 (fax)
larry@ozarkfisheries.com
www.ozarkfisheries.com

Show-Me Caviar, LLC

Cliff and Kathy Rost
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(573) 294-6449 (fax)
Show-me-caviar@hotmail.com

Troutdale Farm

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Assistance

www.extension.org is a great source of publications

Lincoln University Dr. James
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