

Aquaculture - Bait Fish Production

By Johnny Foster
 What are your feelings when you buy a few minnows to go fishing? Do you complain about the expense or their condition? Do you think about growing some yourself? Or, do you just take them for granted? Well, bait fish culture is a sophisticated and specialized business.

First of all, you're dealing with finicky ole fishermen. You know how tough that can be. Displease the fisherman and he'll threaten to seine his own minnows or switch to artificial lures. The demand is seasonal, and sales outlets are just about everywhere. The minnows must also be of the right type, right size, be lively and stay alive.

Bait fish culture is highly specialized with few large producers capable of eliminating newcomers. It is also very hectic work. Can you imagine getting brood ponds ready, handling spawning mats, flooding fry ponds, feeding production ponds, harvesting fish for sale and loading customers' haul trucks all in the same day!

As with any aquaculture

species, bait fish growers must begin with marketing. They must research the market to decide which species, sizes and locations are acceptable to fishermen. Large urban areas offer more potential customers. Demand for minnows is higher at new lakes. Locations away from the large, established producers also offer an advantage.

Bait is perishable and cannot be stockpiled easily. Quality is very important. The producer's reputation depends upon his fish staying alive. As marketing and production achievements improve profits, competition increases.

It is always a good idea to start small and grow as one gains expertise. A grower should be able to produce 800 to 1,000 pounds of small, good quality minnows per acre of water. If he can eliminate the wholesaler, 40-50 acres of ponds should provide a small family with a comfortable living.

Pond construction is extremely important and allows efficient management. Well-constructed ponds and proper site selection will pay for

themselves many times over. (A future column will cover pond construction specifically.)

At least 20 species of bait fish have been raised commercially. But, in the South three species are most popular. These species are golden shiners, fathead minnows and goldfish. The golden shiner has a bright, flashy appearance attractive to fishermen. But, golden shiners are very excitable and lose scales easily. They become sexually mature after one year at about 2.5 inches long. Spawning begins in spring when water temperature reaches 70 degrees F (22 degrees C). Eggs are laid around vegetation near the edges of the pond. Culturists use Spanish moss spawning mats.

The fathead minnow is longer and narrower. It has small scales, dull color and does not usually get over 3 inches long. Spawning begins when water temperatures reach 65 degrees F (18 degrees C). The female lays from 200 - 500 eggs. After fertilization, the male takes the eggs and attaches them to the underside of any object in

shallow water. Culturists often use a series of connected floating boards.

Goldfish can be just about any color. They spawn when the water gets to 60 degrees F (15 degrees C). Goldfish are cultured much like golden shiners and spawning mats are provided. Goldfish are tough, they are easy to handle, and they are easy to transport. Some fishermen, however, complain about goldfish not being lively on a hook.

Most food is provided by fertilizing the pond for natural production. Production can be doubled by adding commercial feed as well. Fry are fed a mash feed and later converted to pelleted feed.

Since fish must be kept alive, harvesting must be very delicate. If the whole pond is to be harvested, partially drain it. Then, gradually lower the temperature by adding well water overnight. Early the next morning flush fish through the drain into a screened box. This method does not injure fish as much as seining. Partial harvests can be seined at a corner baited with feed. Dipnets can be used to remove fish from the seine.

Minnows are usually held in aerated concrete tanks for a day. Then, they are graded into sizes and transported. Water quality must be monitored and maintained, and it is very important not to overcrowd the fish.

Veeco Profits

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 supplied by oil-fired generating units declined 58 per cent during the first six months of 1982 compared with the same six months in 1981.

For the first six months of 1982 nuclear generation accounted for 43 per cent of the total energy supplied to Veeco customers, coal-fired units supplied 34 per cent; and oil generation declined to 4.8 per cent.

Medical Treatment Can Help Many Alcoholics

Alcoholism is a very difficult disease to treat, but it can be done.

A certain percentage of alcoholics can be treated successfully, says a pamphlet from the American Medical Association. Not all are hopeless cases.

Many alcoholics should be hospitalized in the early phases of treatment, to treat health problems arising from drinking and to interrupt drinking patterns. Some general hospitals offer treatment programs, other programs are in psychiatric hospitals, and comprehensive centers for alcoholics are available in most larger communities. Personnel especially trained to deal with the physical and social problems function as teams in the treatment centers.

Treatment is directed toward helping alcoholics find a new way of life free of alcohol. It helps alcoholics to understand and accept their problem, and gives encouragement to overcome the sense of inadequacy that caused the disease initially.

Treatment of alcoholics, no matter how comprehensive, frequently breaks down as soon as they leave the hospital or doctor's office.

On their own again, the alcoholics are face to face with the very real issues of where they will go, what they will do, and what they can expect from others. There is strong likelihood they will be unable to withstand much stress

without resorting to alcohol again.

The physician realizes that his - her role is limited, and that truly remedial treatment requires the combined efforts of many persons in the total rehabilitation of the patient and the family.

Many agencies and organizations concerned with alcoholism belong to the Alcohol and Drug Problem Association of North America. The

Association's office (1101 15th St., N.W., Washington, D.C. 20036) will furnish complete information on resources available in any community in the country.

Most states have statelevel alcoholism programs and many local government programs exist. Many communities have an Alcoholism In-

formation Center to coordinate local resources.

One organization that is successfully aiding alcoholics is Alcoholics Anonymous. There are few communities of any size without a local chapter. AA helps its members achieve and maintain sobriety. It has been extremely valuable to many people.

Benefits For Widows

Lee E. Wallio
 Field Representative

A widow's right to Social Security benefits depends in part on her age, whether she has children in her care, and whether she remarries.

A widow may receive benefits at any age if she is caring for a child who is under 16 years of age or disabled and entitled to benefits.

The benefits would end when the child reaches age 16 or is no longer considered disabled.

Even if a widow does not have a child in her care she can receive benefits if she is at least 60 years old.

The amount of the monthly payment depends on her age when benefits start and the amount her husband would have been entitled to or was receiving at the time he died.

A widow who begins receiving benefits at age 65 gets 100 per cent of the amount her husband would have received if he were still alive; at age 60, however, she would get only 71.5

per cent of the full amount. A disabled widow can get benefits as early as age 50, but the payment is reduced.

A widow who remarries at age 60 or older continues to receive widow's benefits with no reduction in the amount.

An important feature of Social Security is paying the maximum benefit to which a person is entitled.

For example, a woman may be entitled to benefits as a widow as well as to retirement benefits on the basis of her own work record.

This offers certain options - She can either take reduced retirement benefits at age 62 and then get the full widow's benefit at 65, or she can do the reverse - that is, take a widow's benefit at age 62 and then get the full retirement payment at 65.

The Elizabeth City Social Security staff can compute the options to determine which would be more advantageous and to provide other information desired.

Tests And Discoveries Are Revealed

The consumer - related divisions of the North Carolina Department of Agriculture performed more than one and a half million tests in June on food both raw and processed, gas, oil and fertilizers to assure consumers and farmers alike that the products they receive are top - quality and properly labeled.

The Meat and Poultry Inspection service inspected over 38,000 head of livestock in slaughter operations in the state in June, and condemned 230 head as unfit for human consumption. They also inspected over 400,000 head of poultry and rejected 1,647 birds as unfit.

In checking processing operations, the inspection

Service condemned 5,730 pounds of processed meats and other products out of a total of 41,160,607 pounds that were inspected.

Specialists with the Marketing Division of the NCDA graded and certified 109,752,283 products during the month of June, including grading over seven million shell eggs.

Inspectors with the Consumer Standards Division of the NCDA made 18,624 inspections on gasoline and oil pumps, scales and gasoline in the first month of the summer, and performed 224,160 tests on these products and installations. A total of 29,514 discrepancies were discovered in these tests,

with the highest error percentage in the L.P. Gas inspections, where 28 per cent of the L.P. gas was found to be below the quality requirement. In checking gasoline and kerosene samples, however, inspectors found less than one per cent of these products to fall below the quality requirement.

The Food and Drug Protection Division of the NCDA made 24,981 determinations or tests during June from 6,146 samples of food for human and animal consumption, fertilizers, drugs and pesticides.

After defrosting the freezer, spray it with a vegetable oil spray. Next time you defrost, it'll be less work.

Parrish Wedding

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 Hertford registered the guests.

A reception was held immediately following the ceremony in the church fellowship hall.

After a wedding trip to Myrtle Beach, S.C. the couple will reside at Route 2, Edenton.

Courtesies
 The bride was honored at a Floating Miscellaneous Shower on June 10 at Yeopim Church fellowship hall, given by Mrs. Carolyn Winslow and Miss Sarah Margaret Harrell, aunts of the bride.

A cook - out June 19 by Mr. and Mrs. Yates Parrish and Mr. and Mrs. Dale White at the home of Mr. and Mrs. Yates Parrish.

A dinner was given June 20 by Mr. and Mrs. Guy Toppin, Mr. and Mrs. Thomas Perry, Mr. and Mrs. Carroll Smith, Mr. and Mrs. Adrian Jones and Mr. and Mrs. Wallace Goodwin at The Holiday Inn in Williamston.

A Champagne party was given June 25 by Mr. and Mrs. Sherwood Bass at their home.

A beach party given July 3 by Mr. and Mrs. Charles Ward, Mr. and Mrs. Jim White, Mr. and Mrs. J.M. Parrish, Mr. and Mrs. Jerry Parrish, Mr. and Mrs. Carroll Parrish and Mr. Mike Parrish.

An after rehearsal dinner was given by the groom's parents at The Holiday Inn in Williamston.

Legal Notice

Notice Of Sale Of Unclaimed Property
 The public will take notice that on Friday, July 30, 1982 at 10:30 A.M. at the Knobbs Creek Recreation Center on E. Ward Street, the City of Elizabeth City will sell at public auction the following unclaimed items held by the Elizabeth City Police Department.

According to the General Statutes of North Carolina, these are to be disposed of as public sale. All sales will be final and successful bidders will be required to pay in full at the time of sale.

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PUBLIC NOTICE

Notice is hereby given that the Edenton - Chowan Board of Education will submit the annual program plan under Education of the Handicapped Act, Title VI, Part B as amended by PL 94-142. This plan will be open to interested parties for review and comments for three (3) days during the month of July, 1982 in the superintendent's office, County Office Building, East King Street, Edenton, North Carolina.

Dates for review are Wednesday, Thursday, Friday, July 21, 22, 23, 1982.

July Clearance

Mens Summer Suits

25% to 50% off

25% off



Mens Summer Sport Coats

Mens Summer Dress Pants

Mens Summer Dress & Sport Shirts

Mens & Boys Swim Suits

Mens Bermuda Shorts

Ladies Canvas Shoes



All Boys Summer Shirts

Reduced **33 1/3%**

Ladies Dress Shoes & Sandals

33 1/3% off

WHITEMAN'S SERVICE CENTER

Rocky Hock Phone 221-4547

 Whole FRYERS 39¢ <small>Limit 4 per customer</small>	Pruden's Peanut City Whole HAMS \$1.59 lb.
5 lb. bag Martha White CREAM FLOUR 93¢	Gwaltney BACON \$1.69 <small>1 lb.</small>
DRY LINK SAUSAGE \$1.49 lb.	2 Liter Bottles COKE PEPSI MOUNTAIN DEW R.C. COLA 99¢
Mrs. Filberts MARGARINE 53¢ <small>1 lb. Quarters</small>	50 lb. bag Trail Blazer DOG FOOD \$6.99
Coble MILK \$2.05 <small>1 gal.</small>	

WE SELL MONEY ORDERS, BAG ICE, MAKE KEYS

HOURS: Mon. - Sat. 7:30 A.M. - 10 P.M. And Sunday 8 A.M. - 3 P.M.

FISHING & HUNTING LICENSE FISHING SUPPLIES: Worms, Crickets Minnows, Bait Shrimp Tackle, Reels Many Others	HARDWARE SUPPLIES: Electrical Plumbing Skill Saws, Attachments Lucite Paint, Acces. Many Others	AUTOMOTIVE SUPPLIES: Fan Belts Hoses Spark Plugs Oil & Air Filters Many Others
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