

## Archery Fishing Gains Popularity In State

The popularity of archery fishing is reflected in a report from the Moultrie state game area in southeastern Michigan, the conservation department notes.

Department workers at the area report that during April and May this year, about 250 archers used the area for harpooning carp and other rough fish with arrows.

They estimate that archers spent 1,000 man days or approximately 3,000 to 5,000 man hours in the marsh area during the two-month fishing period.

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COLLEGE STUDIES  
BULK SYSTEM  
FOR DAIRYING

Bulk handling of milk - carried on commercially in the Saginaw-Midland-Bay City area, and a feature this week of the State Farm Management Tour - is causing farmers to ask a lot of questions.

Michigan State College dairy researchers are seeking the answers. Farmers on the tour, a cooperative project between MSC farm economists and Saginaw County farm organizations, were to see an actual milk pick-up this Thursday, August 6. They were to inspect the system at the Henry Letzner and Sons farm, three miles east of Saginaw on M-16, and see how labor is reduced and milk cans eliminated.

College researchers are using a 200-gallon tank in one East Lansing dairy barn and a 500-gallon tank in another. They have a small pick-up tank-trailer that holds 600 gallons and plan expansion. Tanks will be put in two other barns.

"We're looking for sanitation and milk-loss information, comparing milk can use with bulk milk tanks," points out Jewell M. Jensen, dairy research man. He is working with Clyde K. Smith, dairy bacteriologist.

College observations indicate that bulk-handled-milk has a lower bacteria count generally than the milk is more uniform and that it cools faster.

Some of the many different types of refrigeration tanks may give trouble, according to Jensen, and his work includes comparing them.

Carl Hall, MSC farm engineer, is doing time studies on can and bulk handling of milk.

Seed Lawn Now  
For Best Result

You can get the best results by seeding your lawn between now and August 25, says Carter M. Harrison, a lawn specialist at Michigan State College.

He maintains that late summer seedings, usually look better by November 1 than those made the previous spring. Main reasons spring seedings usually don't do well, he believes, are low rainfall, increasing temperatures and competition from weeds.

After you have a good seedbed prepared, he advises, seed half your seed in one direction and the remaining half crosswise. That makes for even coverage. Adding screened soil to the seed before seeding will give more bulk and make distribution easier if you do the job by hand, Harrison notes.

John Clappison Sells Insurance

## FARM NEWS



BEARLY SPEAKING—There's trouble "bruin" in one of the bear families inhabiting Michigan's northern woodland. A brotherly quarrel has these two little cubs up a tree.

Mulching In Orchards Considered  
Good Soil Management Practice

Mulching is a good soil management practice in Michigan orchards and it pays off handsomely.

That's the report from Michigan State College horticulturists after many tests and demonstrations over the fruit growing areas. They believe the mulch method has shown such good results that many more orchardists should give it a try.

The tests show that the covering of straw, hay or other plant material that covers the ground well and smothers out weed growth brings these benefits: It boosts the yield by improving the orchard's soil structure, increases moisture and plant food and keeps the summer temperatures of the soil lower.

Where complete mulching is practiced, there is no erosion. That means an increase in fruit bud formation, leaf area and the size of trees. Mulch promotes biological activity in the soil as a result of increased aeration; it improves soil structure and thus prevents compacting of the soil, allowing more rapid penetration of water; keeps the soil from getting too hot in summer and too cold in winter and increases available potash.

Mulch also decreases the evaporation of soil moisture and allows water that otherwise would run off to enter the soil. It reduces the loss of fruit at picking time — a point that's particularly important for apples which drop easily, such as McIntosh and Wealthy, and for plums.

Additional information is contained in Circular Bulletin 199, "Soil Management Practices in the Orchard," available at the offices of county agricultural agents.

FARM CALENDAR  
OF EVENTS

August 14, Third Annual Michigan Shropshire Breeders' Association sale and picnic, MSC.

August 15: Ionia Hereford Breeders' sale, Ionia; tour, August 22, Ionia.

August 17-23: Upper Peninsula State Fair, Escanaba.

August 19-20: Nursery and Landscape Conference, MSC.

August 22, Ionia.

August 25-26: Michigan State Fair, East Lansing.

August 28-29: Michigan State Fair, East Lansing.

August 31: Michigan State Fair, East Lansing.

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COURSE MAY HELP  
HATCHERY FISH  
SURVIVE IN WILD

A year-long research program to teach hatchery-reared fish how to survive better and longer in the wild will be started in Michigan soon, the conservation department reports.

Three psychologists from Michigan State College have developed a method which they believe will teach hatchery trout to be less glib to the angler's hook and also to better adapt to stream conditions after planting.

In the past, one of the most vexing problems with hatchery fish has been their low survival ability under stream conditions. Fish reared in the artificial conditions of a hatchery don't know how to fend for themselves, how to avoid predators or how to keep from being so glib to the angler's lure.

The psychologists say they can change some of this. They will attempt to teach the fish to forage for food on the bottoms of their tanks, to seek for cover when predators approach and to be somewhat less eager to take an angler's hook.

The first work will involve large-size fish, but much emphasis will be placed on fingerlings later in hopes that fall or winter plantings of the smaller fish will prove sound policy.

The conservation commission recently set aside \$16,700 for the research, a sum that could mean savings many times that figure if the program pans out.

Farmers and ranchers, who hold 16 per cent of the total number of aircraft in this country, use their planes in various ways, from checking fences or spraying crops to chasing birds from the fields.

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## Prices Of Lambs Will Stay Up This Month

A Michigan State College extension livestock marketing specialist predicts that lamb prices will continue through August and decline seasonally in early fall. Don Stork suggests that sheep men "finish out" spring lambs to arrive at markets in August before prices drop.

He warns that the "pressure of a heavy run of grass-fed cattle this summer and early fall and an early marketing of hogs could press lamb prices lower than the normal seasonal decline. Lower prices for young breeding stock now, adds Stork, should interest farmers in replacement stock.

Want a gift that will produce more and better pigs? Choose one from a sow with an outstanding litter record and a sire with proven ability to transmit breed type and fast gains. That advice from Harry Moxley, extension swine specialist at MSC.

## SEPTIC TANKS &amp; CESSPOOLS CHEMICALLY CLEANED

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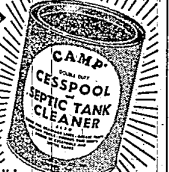
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