





STEVENS POINT • MARSHFIELD • WAUSAU

University of Wisconsin-Stevens Point Northern Aquaculture Demonstration Facility is a state-of-the-art research, demonstration and educational facility, showcasing a variety of systems and species that promotes sustainable and best management practices for fish culture. Virtual and in-person tours welcome.

Connect with us at aquaculture.uwsp.edu.



# Be a Fish Farmer

### Keep your fish happy and healthy

A farmer needs to know the right water temperature, feed and environment for the fish.







# The Perch Family

Walleye and yellow perch are the two family members commonly raised in Wisconsin

**Yellow Perch** 

#### **DID YOU KNOW?**

Yellow perch are relatively poor swimmers and **swim in groups, also known as schools**. Traveling together helps the fish find food and watch for predators.

















# How Fish Grow



### HOW BIG ARE THEY?

The size of a fish egg depends on the species.



#### Walleye egg

• Actual size 1 mm



Atlantic salmon egg

#### A baby fish is called a fry

Notice the big bellies? Fry hatch with something called a **yolk sac**. The yolk sac provides nutrients until the fry are strong enough to look for food.

#### Walleye fry







Stock a Tank

Choose the water temperature, and choose your fish





#### DIRECTIONS

Draw a line from the fish to the tank with the right conditions.





#### **DID YOU KNOW?**

You're already learning in school some of the skills you need to be a fish farmer. Math, science, reading and writing are all important.

## Working as a Fish Farmer

Aquaculture takes a lot of different people with many different skills



#### **Water Chemistry**

Testing and maintaining clean water.



#### **Veterinary and Animal Care**

Keeping the fish healthy, treating illnesses, feeding the fish, cleaning the tanks and taking samples.



#### **Data and Record Keeping**

Planning an aquaculture system, determining how many fish can live in the space, calculating how much to feed the fish, tracking water quality, and more.



#### System Maintenance and Design

Designing an aquaculture system and keeping it running, including engineering, plumbing and electrical work.



#### Marketing, Advertising and Outreach

Making sure people know where to find your product and letting everyone know how good it is for them to eat.

# Wisconsin Fish Farms

### Visit EatWisconsinFish.org to see all our local farmers





### Eating fish is good for you, and tasty too!

Fish can be made into all sorts of different foods. Have you eaten any of these before?





**Emma Hauser,** Wisconsin Sea Grant and University of Wisconsin-Stevens Point Northern Aquaculture Demonstration Facility, aquaculture outreach specialist

Elizabeth White, Wisconsin Sea Grant, editor

Sarah Congdon, Wisconsin Sea Grant, creative manager

Charlotte Easterling, Creative Vixen Design, illustrator

Kandis Elliot, University of Wisconsin–Madison, emerita, scientific fish illustrations on inside front cover and stickers

Anne Moser, Wisconsin Sea Grant, education coordinator

**Chris Hartleb**, University of Wisconsin-Stevens Point Northern Aquaculture Demonstration Facility, director, and University of Wisconsin-Stevens Point, professor of fisheries biology

Andrea Hicks, University of Wisconsin–Madison, Department of Civil and Environmental Engineering, associate professor

This work was funded by the University of Wisconsin Sea Grant Institute under grants from the National Sea Grant College Program, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, and from the State of Wisconsin. Federal grant number NA22OAR4170085, project number R/SFA-25. June 2024

