

# Water Quality Workshop for Fish Farmers

## Join us to learn about the importance of water quality management:

Each participant will receive lunch and an informational flash drive. Registration includes a tour of the aquaculture research facility and aquaponic greenhouse. Come out and learn from our research and Extension experts! Speakers range with backgrounds in Aquaculture, Aquaponics, Horticulture, Small Business Development, and Soil, Water, and BioEnergy. The workshop will include PowerPoint lectures, but will also include hands-on work identifying water and weed problems applicable to fish farmers in Ohio.

Collecting, recording, and interpreting water quality parameters are essential to running a successful fish farm in a sustainable manner. Stressed fish due to poor water quality do not grow well! Whether you have been in the business for many years, just starting out, or haven't broken ground yet, it is important to understand what parameters are important to fish and plant crops so that the business or hobby will succeed. We look forward to seeing you there!

## What we will cover:

- Understanding and interpreting WQ parameters necessary for fish production
- Understanding your water quality analysis report from the South Centers
- How does poor WQ affect your wallet?
- Hands-on testing of key WQ parameters
- Fish WQ management in RAS/aquaponics
- Plant and pest management in aquaponics
- Hands-on aquatic weed identification and treatment options



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**Saturday, August 6, 2016**

**8:30 am - 5:00 pm**

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**Location:** OSU South Centers

1864 Shyville Rd., Piketon, Ohio 45661

Large Auditorium (Research Building)

**Cost:** Early registration before July 16  
\$35

Registration after July 16  
\$45

All registrations due by noon, July 29

**Limited space:** 30 participants

**To register:** Contact Sarah Strausbaugh  
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740.289.2071 x112



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

## Water Quality Workshop

Ohio State University South Centers  
1864 Shyville Road, Piketon, Ohio 45661  
August 6, 2016  
8:00 am – 5:00 pm

### Tentative Agenda

<b>Time</b>	<b>Session</b>
8:00	<b>Registration</b>
8:30	<b>Explanation of the day's events; pass out evaluations</b>
8:35	<b>Introduction to the South Centers/Endeavor Center</b> <i>(Dr. Tom Worley, Director of OSU South Centers)</i>
8:40	<b>Introduction to OCARD/Genetics Lab</b> <i>(Dr. Hanping Wang, OSU South Centers Senior Aquaculture Research Scientist)</i>
8:45	<b>Overview of key WQ parameters necessary for fish production</b> <i>(Matthew Smith, OSU Extension Aquaculture Specialist)</i>
9:15	<b>Fish WQ management in RAS/aquaponics</b> <i>(D. Allen Pattillo, Iowa State Extension Aquaculture Specialist)</i>
9:45	<b>Plant and pest management in aquaponics</b> <i>(Brad Bergefurd, OSU Horticulture Specialist)</i>
10:15	<b>Break</b>
10:30	<b>How does poor WQ affect your wallet?</b> <i>(Chris Smalley, OSU Business Development Specialist)</i>
11:00	<b>Understanding your water quality analysis report from the South Centers</b> <i>(Vinyak Shedekar, OSU Soil and Water Research Associate or Dr. Rafiq Islam, OSU South Centers Soil, Water, and Bioenergy Program Director)</i>
11:30	<b>TBD</b>
12:00	<b>Lunch</b> <i>(provided)</i>
12:30	<b>Aquatic weed identification &amp; treatment options</b> <i>(D. Allen Pattillo, Iowa State Extension Aquaculture Specialist)</i>
1:00	<b>Break into groups: Hands-on testing of key water quality parameters with HACH kits</b>
2:00	<b>Hands-on identification of aquatic weeds</b> <i>Some aquatic weeds commonly found in Ohio will be available for viewing.</i>
2:45	<b>Break into groups: Each station will have different symptoms that are related to water quality. Groups will rotate to each station. Problems will need to be correctly identified and each group will recommend a management solution.</b>
3:45	<b>Wrap-up, questions, evaluations</b>
4:00	<b>Aquaculture station and aquaponics greenhouse tour</b>

