

Registration Form

Name: _____

Organization: _____

Address: _____

Phone: _____

Email: _____

Participants must register in advance. Space is limited to 25 participants. There is a fee of \$20 for each participant . To register and arrange payment please contact:

Heather Grimes
West Virginia University
2076 Ag Sciences Building
PO Box 6108
Morgantown, WV 26506-6108
Phone: 304 816-0663
Fax: 304 293-6954
Hlgrimes@mail.wvu.edu

Payment may be in cash, by check or with a credit card. Only cash or check will be accepted the day of the meeting.

Program Outline

- Check—in
- Introduction to Aquaponics.
- Components of a Cold Flowing Water Aquaponic System.
- Fish Production in the System
- Lunch
- Plant Production in the System
- Water Quality in the System
- Tour of the Facility

For more information about the event or Aquaponics in the Cold Flowing Water System at Reymann Memorial Farm, <http://aquaculture.ext.wvu.edu/events/aquaponics-workshop> or contact:

Ken Semmens
Extension Specialist,
Aquaculture
West Virginia University
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Aquaponics Workshop

Reymann
Memorial
Farm,
Wardensville
W Va.



**Friday
October 18**

**Check—in
begins at 9:30 am**

**Program
10 am to 4 pm**

Lunch will be provided.

Fish Production

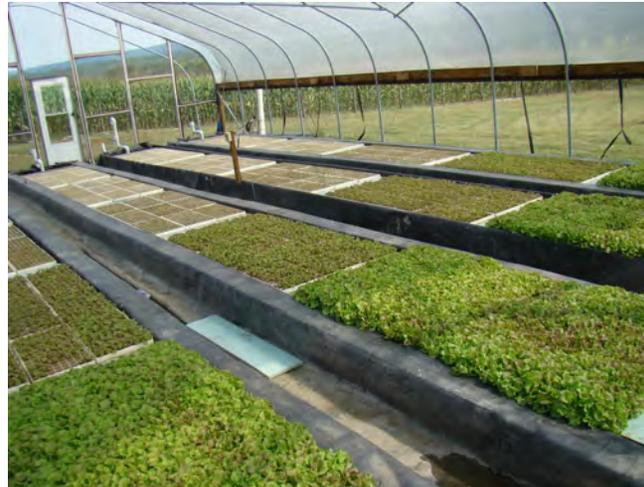


Brook trout, brown trout, and rainbow trout dominate aquaculture production in W Va. The spring fed raceways represent the most successful type of system used by trout producers throughout the country. Water quality management at RMF is done in several phases. First carefully feed the fish for highest feed efficiency, then we remove solids from the fish tanks and send it to geotextile bags that capture all but the smallest particles . This facility is used for research and as a demonstration of how to develop and manage a flowing water aquaculture system.



Aquaponics

The Potomac basin is facing increasing pressure to improve water quality. Investigators at RMF seek to use biological processes to recover nutrients in a variety of ways. This allows water reuse so that more fish and plants can be grown with less environmental impact.



Fish release nutrients into the water creating an opportunity for production of plants. The practice of using the water from an aquaculture system to grow plants is called **Aquaponics**. At RMF we have shown this approach works in spring water from trout tanks and that the heat from the spring water in the winter will extend the growing season. While the nutrient concentration coming from our trout raceway is quite low, a variety of cool weather plants and salad greens have shown that they will grow on rafts in this system. Before this, aquaponics was associated with warm water recirculating systems.

At RMF the greenhouse is used for research where experimental design and replication is important. The high tunnel is intended to assess commercial potential for production of salad greens. This pilot scale flowing water aquaponic system is unique among land grant universities

Reymann Memorial Farm

Wardensville is about 25 miles East of Moorefield, WV. Reymann Memorial Farm (RMF) is approximately 1.5 miles North of Wardensville on U S 259 North. The farm is on the west side of the highway. There is a two-story brick house with white picket fence, brick entrance columns and paved driveway. The address is 1695 State Route 259 North.

When you arrive at the farm, follow the signs to the classroom.

