

Barn Conversion Discussion



Indoor Re-circulating Systems: WHY?

- Recirc. systems give us the possibility of controlling the culture environment to achieve conditions that maximize growth
- Indoor systems allow us to control temperature

Aquaculture Short Course

- Determine market
- Market will determine Species
- Species will determine system
- This will allow inputs for the business plan
- The barn should be evaluated like any other piece of equipment

Barn Evaluation: Convert or build new?

- Is the structure large enough to house the system needed
- Is the conversion cost worth while when compared to new
- Is the system to be used for R&D before expansion

Bowling Green Aquaculture Facility



B.G.S.A.C Stats

- 2500 square foot insulated pole barn
- concrete floor
- Interior finish: dry wall
- Gas heat
 - Both to heat building and systems (air and water)
 - 2-350' deep wells onsite







Problems Encountered

- No vapor barrier installed
- Rains in barn
 - Up to 75 gallons per day evaporation from tank systems
 - Effective moisture control needed
 - Drop ceiling should have been installed

Thoughts on Conversion

- Equipment layout
 - Daily chores
 - Maintenance access
 - Do not over look ergo-dynamics

Contact Information and info. sources

- Shawn McWhorter
- 419-823-1807
- mcwhorter31@ag.osu.edu
- <http://www.aquanic.org>