

Our goal is to provide Biosecure year-round fingerlings to farmers Promote the industry and to be a resource for those looking to get into aquaculture



My master's degree thesis focused oh temperature impacts on embryonic and larval development in yellow perch. I was specifically trained on yellow perch aquaculture during my time at UW-Milwaukee.

Hired on at the Farmory to coincide with the 2 system expansion happening



- Produce: from our aquaponics system
- Percids: represents our fish production; percids is a family of fish consisting of perch, walleye, sauger and darters
- Programs: we offer a number of different programs to educate the community in urban farming

Why The Farmory?



- Increase in global population
- Shortage of natural fisheries leading to more farmed fish production
- Shortage of fertile soil production and usable land
- Produce travels thousands of mile before reaching the consumer's destination
 - Contributes to fossil fuel pollution



Annie Why the Farmory is doing this

Why Recirculating Aquaculture?



- Downtown Green Bay
- Model and demonstrate sustainable aquaculture practices
- Allows for flexibility on location of aquaculture facility
- Need for more inland growers
- Rapidly developing

Annie Case for RAS systems



Annie The Farm building Biosecurity

Biosecurity



- Protecting our Product:
- We will be able to detect disease faster
- Improve fish health and management
- Assess volunteer/personnel development
- Great marketing



Why Percids?



- Species of Choice:
 - Walleye
 - Yellow Perch

Press play

Why Percids?

Huge demand for yellow perch and walleye especially in our region – tied into our culture Wild commercial fisheries for both species is decimated – not able to keep up with demand A lot of our perch supplies comes frozen from Canada Yellow perch are difficult to culture – creates a niche market



Obviously, we have the hatchery which is home to about 10,000 gallons of water. We are entering into phase 3 of buildout for the hatchery which will include another raceway, a secondary holding system for our yellow perch fingerlings, and another broodstock tank system. Everything is Recirculating Aquaculture or Aquaponics in our building.

We also are in the process of building out our new Aquaponics Lab which will be the home of the AARP aquaponics system



12 300-gallon tanks System total: ~4700 gallons

Used specifically for the intensive larval life stages of fish



System Specs: Tank itself is ~4300 gallons System total: ~4900 gallons

This is where all our fingerlings/juvenile fish will be held, from this tank they will be sold out to prospective aquaculturists!



Each maturation tank is its own system

Each system is ~1200 gallons total. The tanks are 800 gallons.

These are the systems that will house our broodstock (mom and dad) fish for the next 6-7 years. Our yellow perch are now starting to produce eggs and our walleye won't be ready until 2023



Aside from feeding fish and managing those, the biggest thing we manage and take care of is our water.



Annie Feed training – yes even the walleye!



Customers

Indoor grow-out facilities Working on sparking larger scale grow-out operations

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Explain how volunteerism is the backbone of our hatchery



Fueling the industry through programming NEW SLIDE with other programs





Will be launched in Fall 2022 in our brand new system and lab



The Farmory - Our Vision





The premier source for bio-secure, year-round, fresh-water food finfish fingerlings.



A hub for agriculture education and aquaculture industry development.



A year-round local produce source.



Both/Questions