Aquaponics at work Waipahu High School

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Aquaponics in the Classroom

Wow, your students have an Aquaponic's System- Then What!?

 Expanded Opportunities for Learning-Beyond the Obvious

Airlifts and System design

Research Aquaponics

with Palumbo's Mini Aquapono

Worm vs. Iron



Results: Worms Grew better!

Pros

- Easy, fast
 - Low maintenance
- Little space

Cons

- Lighting problems
- Trouble getting it started

Troubles:

- Bad teamwork (Communication)
- Controlling constants

Improvements:

- -Control Lighting
- Better Communication

Nutrient Film System

This project won in 9th grade science fair



- Intergrading NTF with air lift technology
- NTF yielded the greatest yield and average growth (11.87g) to DWC (7.34g) and traditional method (4.65g)
- If scaled up to commercial farming standards and intergraded to a vertical growing system it would yield \$7,938 per year.

