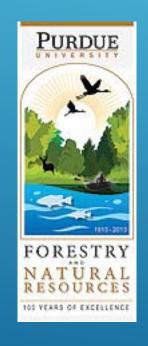
# MARINE SHRIMP FARMING NCRAC MEETING MARCH 13, 2016

Bob Rode rrode@purdue.edu Purdue University



# WHERE TO GET INFORMATION?

Websites

Government Institutions

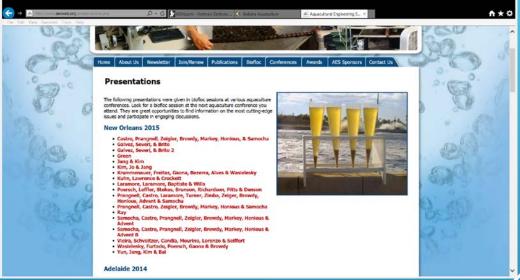
Consultants



### indianafishfarming.com

## http://www.aesweb.org/ presentations.php

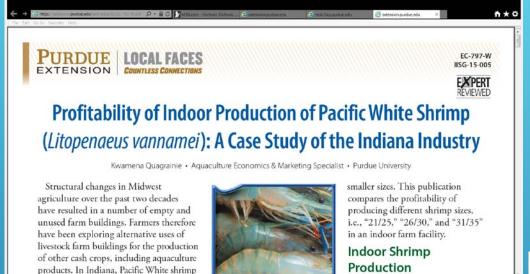




# WEBSITES







HTTPS://EXTENSION.PURDUE.EDU/EXTMEDIA/FNR/FNR-495-W.PDF

HTTPS://EXTENSION.PURDUE.EDU/EXTMEDIA/EC/EC-797-W.PDF



Global Aquaculture Alliance - The Advocate Bob Rosenberry - Shrimp News International https://lists.purdue.edu/mailman/listinfo/marines hrimpgroup

Auburn University ACES
SRAC publications
WAS publications – Biofloc Technolgy

**OTHERS** 



# KEY ECONOMIC FACTORS

Hanson 2015 Aquaculture America Meeting

Raceways in Greenhouse in Texas

\$9-12.50 Breakeven above TC

Quagrainie 2015 Purdue Fact Sheet

8 Pool System in Indiana

\$13.76 Breakeven above TC



## KEY ECONOMIC FACTORS

Critical Factors

Survival (70-80%)

Market Price

Shrimp Size

**Economies of Scale** 







# TYPICAL OPERATIONS



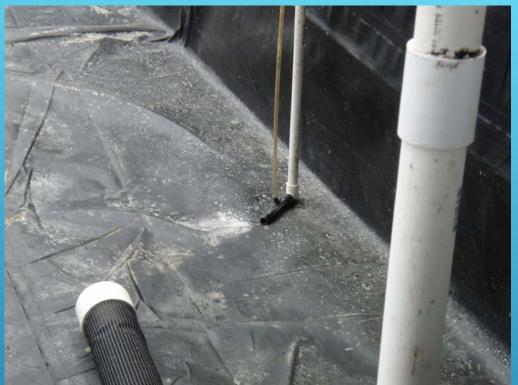




INFRASTRUCTURE







BIOFLOC SYSTEMS





#### BIOFLOC MANAGEMENT

Nitrogenous Wastes

C:N Ratio

Suspended Solids

**Carbonate Controls** 

Oxygen Supplementation



## ASSISTANCE

Government Institutions

Waddell Center (SC), Kentucky State, Missouri

Consultants

Tours, Trainings, Internships, Set-up, Contracts

Disease Diagnosis

University of Arizona

Meetings

WAS, Aquaculture America, Regional Workshops



## ASSISTANCE

Books vs. Real World vs. Time Constraints

Government Institutions

Shrinking, Time Constraints

Consultants

Available Time, Knowledge Level, \$\$\$\$\$



#### Pro's

- Shrimp is familiar to everyone
- Small capital costs vs. fish
- Fits in low head buildings
- Short rearing cycle/ Cashflow
- Supplies readily available

#### Con's

- Technically difficult
- Lack of experts
- ▶ Financially risky
- Warm, Moist Environment
  - Building life
- > Saltwater discharge
  - Element Pyramid in Flesh
- Market How Big is the Niche?

## MARINE SHRIMP FARMING



- Nursery Phase
- >Tanks
- >Scale
- >Harvesting/Market



## IMPROVEMENTS ON THE MODEL



## ADVISE AND CONCLUSIONS

Market, Market, Market

Short and Long Term Goals

Technologically Difficult

Agro-Tourism – What you going to do?

Where are you going to get answers?





THE END
QUESTIONS?

