

Biofloc Sessions at WAS San Diego 2010

9:00 - 11:10 Feed value of bioflocs

What Makes Biofloc Great for Shrimp

Lawrence AL, D Kuhn, S Patnaik, GD Boardman, L Marsh, GJ Flick Jr

Sustainable biofloc technology: using bioreactors to treat aquacultural effluents while producing bioflocs for shrimp feed.
Kuhn D.D., A.L. Lawrence, G.D. Boardman, S. Patnaik, L. Marsh, G.J. Flick

THE EFFECTS OF FISH-BASED VERSUS PLANT-BASED FEEDS AND SOLIDS MANAGEMENT ON SHRIMP
Litopenaeus vannamei FLESH CHARACTERISTICS

Andrew J. Ray*, Gloria Seaborn, MaryAnne Drake, Craig L. Browdy, and John W. Leffler

Bio-floc by the truckload: A new aquafeed ingredient from Oberon FMR, Inc
Andy Logan

Consumption and Digestion of Suspended Algal Species Common in Biofloc Culture Systems by Juvenile Pacific White Shrimp, *Litopenaeus vannamei*

Megan R. Kent*, Craig L. Browdy, and John W. Leffler

Discussion

- What are the specific added value nutrients in bioflocs?
- Nutritive value of bioflocs vs. algae
- Ways to add these added values into fabricated feeds
- Recommended research

11:40 - 12:20 Microbiology of bioflocs

Study of genetic diversity and bacterial flora composition in *Litopenaeus vannamei* raised in "floc".

Arena, L. Aviléz, E., Rojas, R., Perez-Rueda, E., Apodaca, J., Cuzon, G. Gaxiola G.

Preliminary characterization of microbial and algal communities in a zero water exchange super-intensive system for production of food-size Pacific White Shrimp *Litopenaeus vannamei*

Tzachi Samocha

Practical use of biofloc technology, Case studies

Comparison of performances for *L. stylirostris* raised in floating cages, in earthen ponds or in floc system.

Gogueheim, J.¹, Bernardino, R.¹, Bigot A.², Dufour, R.¹, Remoissenetm G.², Gaxiola, G.⁴, Emerenciano, M³. and G. Cuzon¹.

Application of biofloc technology in the larviculture of *macrobrachium rosenbergii*.

B. Madhusoodana Kurup* And Saritha Thomas

Application of biofloc technology in the culture of giant prawn *macrobrachium rosenbergii*(de man)

B.Madhusoodana Kurup* and K.K Prajith

Development of a biofloc system for the production of tilapia

James E. Rakocy , Jason J. Danaher, Donald S. Bailey and R. Charlie Shultz

14:30 – 15:10 Production control

Aeration Needs and Alternatives for BFT Systems: Status, Issues and Perspectives

Yoshi Hirono, Gary Rogers and Darryl Jory

Oxygen Demand, Ecological Energetics and Nutrient Dynamics in Minimal Exchange, Superintensive, Biofloc Systems
Culturing Pacific White Shrimp, *Litopenaeus vannamei*

John W. Leffler*, Jason Haveman, Edward Durant, Alisha Lawson, Asher Dale, Daryl Weldon

15:10 – 16:00 Discussion

Needs and options of bridging the extensive systems toward the intensive BFT systems.

Yoram Avnimelech and Mudnakudu Nandeesh