

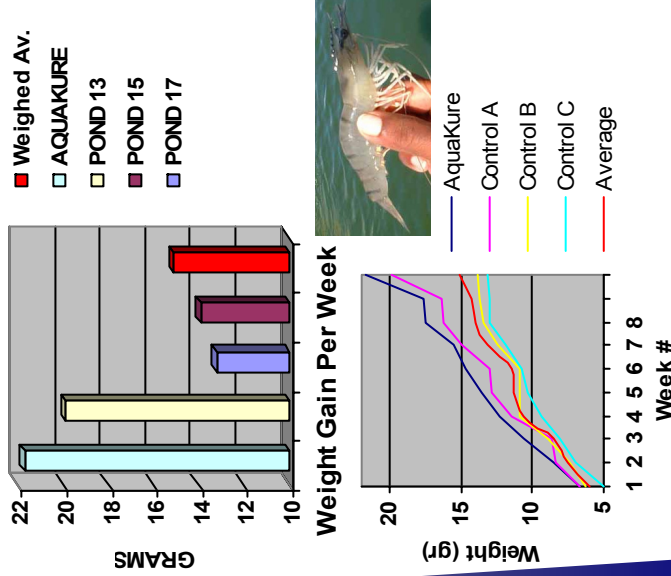
## AquaKure Test Trial

Shrimp Farm Location - Gulf of Mexico  
Species tested - *Penaeus vannamei*  
Trial date - August 26 to December 9, 2003

### AQUAKURE TREATMENT ANALYSIS OF ECONOMIC ADVANTAGE

PARAMETER	AquaKure	Av. Controls
Initial Density /m <sup>2</sup>	17.5	12.13
Viability %	76.55	52.86
End Weight/ grams	21.70	15.1
Feed Conversion	1.87	2.29
Sales Price/kg	P48	P41
Feed cost Kg/Pesos	P6.95	P6.95
Kg / Ha/cycle	2,916	923
Gross Sales P/Ha	P139,968	P37,843
Feed Costs/ P/Ha	P 37,898	P14,690
Margin/Ha/Pesos	P102,070	P23,153
Extra Profits/Cycle	In USD \$ 7,195.00	
Added Profits/Yr/Ha	In USD \$14,390.00	

### COMPARISON FINISHED SHRIMP WEIGHTS



## GMP

AQUAKURE is produced by procedures that adhere to Good Manufacturing Practices, (GMP). All formulations are made by following strict Standard Operating Procedures (SOP), including complete Quality Control (QC) testing of raw ingredients, the finished product, and sample retention.

### DIRECTIONS FOR USE

WEEK #	ADD PER HECTARE*
1	10 Liters
2 - 7	2 Liters
8 - END	1 Liter

\*One meter deep=10,000 M<sup>3</sup>

### MIXING INSTRUCTIONS

Mix 1 liter AquaKure with 10 liters of tap water and 10 liters of pond water. Pour into aeration system, or if not available pour at the intake port location.

### WATER QUALITY PARAMETERS

Start at 20% water turnover rate and monitor. Maintain oxygen levels at 5 ppm minimum. Effective pond pH range is 5.5-7.5.



### PACKAGING

- 20 liter Plastic Pail
- 210 liter Plastic Drum

### DINATEC

(Diversified Nutri-Agri Technologies, Inc.)

130-C John Morrow Parkway 220  
Gainesville, GA 30501

Tel 770 531 1309 ext. 111, Fax 770 532-9203

e-mail [info@dinatec.com](mailto:info@dinatec.com)

Visit our web site at [www.dinatec.com](http://www.dinatec.com)

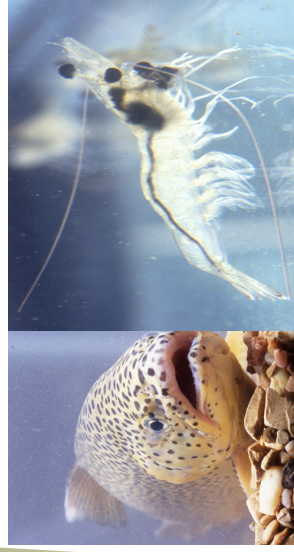
### Authorized Distributor



# AQUAKURE



## 100% Natural Bio-systems Decontamination Technology for Modern Fish and Shrimp Producers



"A Dynamic Approach to Nutri-Agri Product  
Research and Technology Development"

# What is AquaKure?



A mixture of select microbial strains, AQUAKURE forms enzymes which attack, degrade and

liquefy fecal mass, undigested food and other unacceptable organics when added to aqua biotic systems. It is a living mixture of both aerobic and anaerobic microbial strains which improve the aquatic environment of both salt and fresh water and



can out-compete pathogenic bacteria.

**AQUAKURE is a natural alternative to chemical degradation of organic matter.**

Guidelines for Establishing Acceptable Water Quality Parameters (ppm)

Ranges	Safe	Stress	Deadly
Ammonia NH <sub>3</sub> N	0.0—0.030	.031—100	101—10,000
Nitrite NO <sub>2</sub> N	0.0—0.500	.600—1,000	100—4,000
Nitrate NO <sub>3</sub> N	0.0—50.0	51.0—200	201—500
Oxygen O <sub>2</sub>	10.0—6.0	5.9 - 4.0	3.9 - 0



## How does it work?



### WHAT IT DOES

**AQUAKURE** Bio-system de-contaminant is specifically designed to:

- ◆ Produce enzymes that digest highly complex organic waste
- ◆ Reduce harmful buildup of ammonia in both fresh and salt water systems
- ◆ Reduce the amount of organic solids and oxygen consuming materials in the water
- ◆ Reduce algae growth by out-competing algae & reducing ammonia levels in solution, thereby reducing available nitrogen for algae growth.
- ◆ Degrade and liquefy fecal mass
- ◆ Out-compete pathogenic bacteria
- ◆ Reduce harmful buildup of ammonia
- ◆ Reduce Nitrogen compounds
- ◆ Reduce surface scum
- ◆ Reduce bottom sludge
- ◆ Improve bio-filter performance

**AQUAKURE** produces microbes which thrive on organic mass or waste. When added to the tank or pond water they quickly begin to digest excreta and excess food as well as oxidizing ammonia and reducing nitrites, nitrates and other N-compounds.



**AQUAKURE** is effective on surface scum and bottom sludge which produces methane that is harmful to marine life.



**AQUAKURE is more effective and environmentally friendly.**

To improve the effectiveness of our biological treatment, steps are taken to enhance and improve the performance of various microbial constituents in our formula. Bacteria are isolated from soils and water, then elevated in the laboratory to identify respective abilities to degrade specific chemical structures. The cultures are tested for their response to environmental variables and

further analyzed to select the genetically superior examples of each desirable strain. Once differentiated, the microbes reproduce, and are combined into formulations which will further



maximize the efficiency of the biological treatment. Our products are typically made of a number of species which have been specifically cultured. These organisms work together, each strain possessing the enzyme system necessary to degrade certain components of a targeted waste, yielding intermediate breakdown products that can be further degraded by other species formulated in the blend. These organisms can also out compete pathogenic bacteria.