



TECHNICAL DATA SHEET

TZBI-405F

TZBI-405F FISH FARMING BIOAUGMENTATION. ENHANCES WATER BIOLOGY IN AQUACULTURE LAGOONS.

BENEFITS OF USE:

- Includes strain of lactobacillus to lower pH;
- Effective in aerobic and anaerobic conditions;
- Biodegrades organic material comprised of proteins, fats and carbohydrates.
- Increases fish and shrimp farm yield;
- Reduces sludge;
- Improves effluent quality;
- Reduces odours;
- Reduces ammonia and other toxins.

SPECIFICATIONS

Description	Tan color, free-flowing granular powderd
Packaging	250g water-soluble packages 10kg plastic pail
Stability	Max. loss of 1 log/yr
pH	6.0 -8.5
Bulk Density	0.5 – 0.61g/cm ³
Moisture Content	15%
Nutrient Content	Biological nutrients and stimulants
Bacteria Count	5 billion per gram
Storage and Handling	DO NOT FREEZE! Store in a cool dry location. Do not inhale dusts. Avoid excessive skin contact. See MSDS.



Biologicals have two functions in aquaculture:

- Breakdown organic matter at the bottom of the pond (fecal matter, unused food, shrimp carcasses);
- Control surface algae.

Effective biological control:

- Eliminates ammonia and H₂S;
- Reduces waste products at the bottom of the pond and make cleanout easier;
- Controls algae and improves water cleaning;
- Prevents off-flavors and off-odours.

APPLICATION INSTRUCTIONS

LAGOON SYSTEMS

Facultative systems and aerobic systems— application rate is based on the lagoon surface area:

Day 1-5	20kg/10 000m ² /day
Day 6+	2kg/10 000m ² /week

Lagoon in cold climates – commence program when the water temperature is at least 11°C (50°F).

TZBI-405F can depress dissolved oxygen levels initially, especially in ponds or lagoons with lagoons with high organic content.

TZBI-405F inhibits algae and plant growth for better water clarity.