

TECHNICAL

Data Sheet

Aquaculture Treat (AQ)



BIO·GREEN
PLANET®

environmental products for a greener planet

Key Benefits

- Improves Profit Through Higher Survival and Yields:** Enhances pond ecology to reduce mortalities, accelerate growth, and cut aeration, dredging, and water exchange costs
- Improves Water Quality and Clarity:** Rapidly digests suspended and settled solids, cutting BOD and TSS for visibly clearer ponds.
- Controls Ammonia and Nitrite:** Promotes microbial uptake of ammonia, nitrite, and nitrate to protect stock and reduce costly water-exchange interventions.
- Reduces Sludge and Odors:** Keeps pond bottoms firm and aerobic while limiting hydrogen sulfide and other nuisance gases.
- Stabilizes Pond Conditions:** Smooths daily swings in pH and DO and supports healthy biofloc development.
- Works Across Systems:** Effective in nursery and grow-out ponds, semi-intensive and high-intensity operations, biofloc systems, and RAS

Applications

- Shrimp Grow-Out Ponds
- Nursery & Hatchery
- Biofloc Culture
- Semi-Intensive, Intensive & Super-Intensive Ponds
- RAS Side-Stream Treatments
- Water Exchange Reduction Programs

Concentration (CFU/g):

- Powder: 2, 50, 100 billion CFU/g dry powder
- Liquid: 13.5 billion CFU/ml liquid

Custom concentrations available upon request



Product Description

Aquaculture Treat (AQ) is a high-CFU shrimp pond probiotic formulated for broad performance across water temperatures, salinity levels, and pond conditions. The facultative and aerobic strains rapidly colonize the water column and pond bottom, releasing enzymes that hydrolyze uneaten feed, feces, and other organics. Our aquaculture probiotic for shrimp lowers BOD, reduces sludge accumulation, clarifies water, and stabilizes key parameters. As a shrimp pond water treatment bacteria blend, AQ delivers consistently cleaner, more stable ponds that support healthier animals, more predictable performance, and stronger returns throughout the culture cycle.

Packaging Options

- Powder:** Supplied in
 - 22 lb (10 kg) pails
 - 44 lb (20 kg) pails
 - 340 lb (155 kg) drums
- Liquid:** Available in
 - Quart, liter, gallon containers
 - 55-gallon (208 liter) drums

Shelf Life & Storage

- 2 years at room temperature
- 3 years refrigerated
- Store in a cool, dry location away from direct sunlight.
- Reseal container tightly after each use.

Application Guidelines

	Range	Optimal
pH Range	5.0 – 9.5	6.0 – 8.0
Temperature	45°F – 120°F (7°C – 49°C)	59°F – 104°F (15°C – 40°C)

Application Rates

50B Powder: Semi-Intensive and Intensive Farming

Stocking densities: 60 – 110 PL shrimp per m²

Period	Dosage Instructions (per 1,000 m ²)
Pre-breeding	1.5 g / 1,000 m ² , once every 5 days (3x)
1st month	1.0 g / 1,000 m ² , every 5 days
2nd month	1.5 g / 1,000 m ² , every 5 days
3rd month	2.1 g / 1,000 m ² , every 5 days
After	3.0 g / 1,000 m ² , every 5 days

*For 110 – 150 PL shrimp/m², increase dosage by 50%.

50B Powder: High-Intensity and Super-Intensive Farming

Stocking densities: 150 to 500 PL shrimp per m³

Period	Dosage Instructions	Notes
Pre-breeding	6 g per 1,000 m ³ , applied daily	7 to 14 days before stocking
Days 1 to 7	No dose	Pause dosing the first week after stocking
Days 8 to 40	4 g per 1,000 m ³ , applied daily	Critical period
Days 40+	5 g per 1,000 m ³ , applied daily	Continue dosing
Days 90+	6 g per 1,000 m ³ , applied daily	Increase dose until harvest

Disclaimer: Results may vary depending on environmental conditions, application rates, and management practices. The manufacturer makes no guarantee of specific results. Seller's liability is limited to replacement of product or refund of purchase price. Manufacturer is not responsible for misuse, mishandling, or application under adverse conditions beyond its control. This product is not registered for pesticidal use with the U.S. Environmental Protection Agency. It is intended as a microbial inoculant only. Keep out of reach of children.

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