Industries:
- All Aquaculture
- Fish Farming
- Fresh water shrimp
- Salt water shrimp

Benefits:
- Increased shrimp larval survival
- Increased nursery fish survival
- Increased grow-out survival
- Increased feed conversion rates
- Increased average daily weight gain
- Increased stocking densities*
- Reduced off-flavour at harvest
- Increased market value

Improved Yield, Stock Health & Efficiency

Biocelerator AQ-700 is an aqueous based proprietary technology solution that functions as a biostimulator which increases microbiological activity in water. It contains no foreign active bacteria, enzymes, nutrients or other biological components in itself but instead relies on stimulating these biological elements found in the locations where Biocelerator is applied to deliver increased activity.

As a “next generation” biological stimulant, AQ-700 is designed to provide increased profitability in existing aquaculture operations.

Rarely has any such technology undergone such rigorous evaluation by a Government University, to quantify benefits to existing fish and shrimp farming operations (See Evaluation studies on page 2).

Biocelerator technology increased survival rates, feed conversion, growth rates and stocking rates whilst improving water quality.

One of the greatest indicators of AQ-700 ability to safely grow healthier tilapia fish, faster, is our results in “off-flavour” testing.... “Zero off-flavour characteristics, that were detectable by smell or taste” (Measured and validated by University controlled testing - See Page 2).

Water Quality Maintenance:
- Improved water clarity & quality
- Reduced bottom sludge
- Reduced ammonia
- Reduced nitrite
- Reduced nitrate
Case Study Testing for AQ-700 in Aquaculture

Brazil has a large and growing Aquaculture Industry which is a major employer in rural communities. It thus engenders Federal Government’s encouragement to develop competitive and sustainable operations.

Biocelerator independent case studies were undertaken in Brazil by the Federal Institute of Education, Science and Technology of CEARA-IFCE ARACATI CAMPUS. The testing was supervised by Professor Glacio Souza Araujo, assisted by Undergraduates in Aquaculture namely, Cicero Silva Rodrigues De Assis and Bruno Araujos Dos Santos.

Below are a number of the tests performed and summary outcomes vs control. Detailed test reports may be viewed upon arrangement with a Biocelerator technical representative.

**Larviculture of Marine Shrimp Litopenaeus vannamei with the application of AQ-700**

Summary Results: Average Final Survival Rate UP 17%, Final Weight UP 8.4%. Total Final Harvest Weight UP 27.8%

**Nursery Phase Oreochromis niloticus Cultivation in Low Salinity Water Dosed with AQ-700 that Stimulates Microbiological Activity in Aquatic Environments**

Summary Results: Major Reduction in Bottom Sludge, Increased Water Quality

**The Effect of Stocking Density on Tilapia Pisciculture During The Nursery Phase While Applying AQ-700 to Stimulate the Activity of Microorganisms that Consume Organic Matter**

Summary Results: Increased Stocking Density, Decreased Biomass, Increased Feed Conversion

**The Effect of Stocking Density on The Zootechnical Performance of Nile Tilapia, Oreochromis niloticus, During the Fry Stage in Association with the Application of AQ-700 that Stimulates the Microorganisms that Consume Organic Matter in Water**

Summary Results: Increased Stocking Density, whilst Maintaining Increased Food Conversion with Increased Dissolved Oxygen and Water Quality

**Off-Flavour Detection in Tilapia Cultivated in Conditions in which AQ-700 Stimulates the Activity of Microorganisms that Reduce Organic Matter.**

Summary Results: Off-Flavor scores of ZERO from Sensory Analysis

Please Note: Biocelerator trades under various names/brands in different regions

---

Test Results:

- **Increased Survival Rate with AQ-700**
- **Increased Final Harvest Weight**
- **Large Increase in Product Market Value**
- **Increased Stocking Density with AQ-700**
- **Increased Feed Conversion**
- **Increased Water Quality & Dissolved Oxygen**
- **Zero Off-Flavour Score Result with AQ-700**
- **Major Decrease in Bottom Sludge & Biomass**

---

Biocelerator - Increasing profitability in Aquaculture

---

biocelerator.com