

MiCroBial Aquaculture

Product Description

MiCroBial Aquaculture is a natural biocatalyst made via a novel fermentative process that has been continually refined by microbiologist in india. MiCroBial Animal Probiotics consists of selected consortium of probiotics and enzymes. These microbes produce different types of enzymes as amylase, protease, lipase, cellulase and other types of enzymes etc. MiCroBial Animal Probiotics works in aerobic and facultative anaerobic conditions as it contents aerobic and anaerobic microbes.



Typical Application Area - All type of Aquaculture system such as pond and lagoons etc

Physical Data -

- Colony Forming Units (CFU) : Min 105 CFU/g
- Product : Dormant/Viable microbial culture/Enzymes and micro-nutrient
- Product Form : Dry Free flowing powder
- Color & Odor : Light brown powder with a mild “ yeasty “ odor, dried and packed
- Optimum PH range : Preferred range : 6 -8

Product Benefits -

- Reduction in sludge production
- Reduce BOD, COD, TSS, Biological nutrients
- Promote fish and shrimp growth rate and production
- Reduces odors, increase concentration of dissolved oxygen which helps in fish survival
- Inhibit the growth of pathogenic bacteria by competing with them for food and reduce the chances of infection
- Reduces need for chemical additives
- Reduces hydrogen sulfide, ammonia and nitrates
- Enhance nitrogen and phosphorus removal by preventing Eutrophication process
- Increase Feed Conversion Rate (FCR) aquatic animal.
- Increase Body Weight Gain (BWG) in aquatic animal.
- Improves water quality of aquaculture pond or lagoons.
- Help in biofloc preparation in the aquaculture ecosystem.

MiCroBial Aquaculture Overview

To control pond bottom pollution, to control soil ph reduces need of frequent water exchanges, biodegrades unspent feed, dead algae, dead animals. Improves water quality acts as disease prophylaxis. A specially formulated combination of 10 Bacterial Strains along with essential Enzymes complex.

The continuity of the dose application is important. Even the best athletes train themselves with increasingly active programs and MiCroBial product is no different. MiCroBial product must be kept present and active in the water body.

MiCroBial Composition -

Bacillus, Lactobacillus, Yeast, Enzymes, Nitrifying and Denitrifying bacteria etc

Direction for Use -

- **RULE OF THUMB:** 1 kg product can be mixed into 100-200 L plastic tank with fresh water or 100 gm bag mixed into a 20-10 L plastic drum with fresh water.
- Apply the product concentration of 0.5-2 mg/L, depending on capacity of system.
- Concentration should be based on volume of pond and pollution strength.
- Mix 1 kg of MiCroBial Aquaculture with 2-3 kg Wheat bran/Rice bran/DOP and 0.5-1 kg of jiggery powder.
- Add this mixture into 100 or 200 liter of fresh water at 10,000 or 5,000 ppm concentration in the evening.
- Keep this solution for whole night for activation.
In the morning, add this activated solution at inlet point of pond or spray all over the pond where maximum distribution of product will be achieved for better results.
- Additional aeration will be recommended; dosing should be done in a way that there should be maximum distribution of product all over the pond surface.

Dosage – 1 kg of product per acre once in 10 days.

Equipments required

List of equipments are given below

- Fresh water if required
- MiCroBial Technologies product

Notes: No special training is required to mix and dose MiCroBial product is non-hazardous and no special personal protection equipment is required in regards to activation or dosing.

Storage:

Product is delivered in sealed, moisture proof packaging. Product should be stored in a cool dry location, out of the sun and protected from insects. Once opened, MiCroBial™ Aquaculture must be kept dry in an airtight container to prevent activation. Do not Freeze.

Product shelf life:

1 year (minimum) under standard warehousing/office conditions.

For dosing concentration and application, please contact to our technical team.

Please refer to the MiCroBial Technologies website for the appropriate MSDS, www.microbialtech.com