



Bioscience, Inc.

Environmental Products & Services

ISO 9001:2015 Certified

MICROCAT®-ALSH

Shrimp Formula



Description

MICROCAT-ALSH Shrimp Formula is a synergistic blend of preselected, naturally occurring, non-pathogenic beneficial microorganisms for use in improving and maintaining water quality especially in shrimp farming operations. **MICROCAT-ALSH** is available in various forms suited to a wide variety of water quality and aquaculture applications.

Applications

Shrimp farmers from time to time encounter difficulties in achieving desired water quality in their growth impoundments. This is especially true in sunny, warm climates where shrimp are commonly grown. **MICROCAT-ALSH** is formulated with natural, beneficial microbes and flocculant aids for improving impoundment water quality, stabilizing impoundment microbial biomass including algae, reducing shrimp mortality and improving shrimp quality. **MICROCAT-ALSH** contains a combination of aerobic and facultative anaerobic cultures selected from nature for their ability and shown in field applications to aid the growth cycle of shrimp.

Product Characteristics

Appearance	Light beige, granular powder
Contents	Natural, preselected, adapted microorganisms and flocculant aids
Nominal Microbe Count	Formulated to contain $>3 \times 10^9$ CFU /gram (available in 3X concentrate)
Shelf Life	Two Years
Packaging	25 Lb (11.3 Kg) plastic pails/ 220 Lb (100 Kg) fiber drums

Application Programs

In general, **MICROCAT-ALSH** is mixed with water and applied directly to shrimp impoundments on a regular, preventive maintenance basis for stabilizing the impoundment microbial biomass and improving water quality. Application programs average about 2.0 pounds (0.91 Kg) per hectare (2.47 acres) for quick system initiation to 1.0 pound (0.45 Kg) per hectare (2.47 acres) per week for prevention. Your Bioscience, Inc. Technical Representative will provide you with a custom-tailored application program at your request. **ALSH** is available as a concentrate at triple the nominal microbial concentration.

Optimal Application Conditions

For best results, apply this product under the following conditions:

CONDITION	RANGE	OPTIMUM
Dissolved Oxygen, ppm	5.0 to Saturation	5.0+
pH	7 - 8	7.6
Temperature, ° C	15 - 40	35
Toxic Heavy Metals, ppm	Trace	Trace

If your farm is operating outside these ranges, contact your Bioscience, Inc. Technical Representative for a complete system survey and recommendations.

Storage and Handling

Storage	45° - 105° F (7° - 40° C) Dry conditions. DO NOT FREEZE.
Handling	CAUTION Avoid inhalation of dry powder or liquid mist. Avoid exposing skin to dry powder or strong solution as irritation may result. If material contacts skin or eyes, flush thoroughly and repeatedly with water.

MICROCAT® is a registered trademark of Bioscience, Inc.

The information contained in this data sheet is a guide to the use of **MICROCAT** products and is based on test and information believed to be reliable. Product content and specifications are subject to change without notice. All information is given to and accepted by user at user's risk and confirmation of its validity and suitability to particular cases should be obtained independently. Bioscience, Inc. makes no guarantee of results and assumes no obligation or liability in connection with the information contained herein. Bioscience, Inc. does not warrant against infringement of, and this data sheet is not to be construed as a license to operate under, any patents.