



## AQUA-FEED BIOCONVERTER

# AQUAFEED IS AN ALL NATURAL FEED ADDITIVE RICH IN $\beta$ GLUCANS AND MANNANOLIGOSACCHARIDES (MOS) AND OTHER KEY INGREDIENTS

### BIOAUGMENTATION WITH AQUA-FEED CAN:

- Improve the hydrolysis and absorb feed
- Supply beneficial bacteria in the intestine of shrimp/fish
- Improve the immunostimulants in the body
- Impress the pathogen of diseases in intestine of aqua-species

### PRODUCT DESCRIPTION

AQUA-FEED is specially designed for the aquaculture industry to reduce incidence of disease and mortality and improve weight gain for shrimp, fish, and other aquatic species.

Aquaculture, particularly shrimp culture, has faced serious losses over the last decade due to the occurrence of diseases including white spot, yellow head and vibriosis. Mass mortality has occurred among cultured fresh water shrimp because of pathogenic yeast, bacteria and viral infections. Results of the study of shrimp mortality have revealed that environmental deterioration, which can lead to the degradation of immunity of shrimp, is the main cause. Studies of the enhancement of the immune mechanism of aquatic animals have been very successful in preventing the mass mortality of shrimp caused by pathogenic infections.

Bio-converter technology assists in keeping aquaculture ponds clean and improves aquatic life. Ponds used for fish or prawn farming are consistently contaminated with bio-mass, shells, fecal matter, etc. These contaminants reduce the level of oxygen and produce methane, ammonia, nitrate and H<sub>2</sub>S gases that are harmful to aquaculture and lead to various diseases. With the use AQUA-FEED, the degrading bacteria convert these gases into water, carbon dioxide and free nitrogen, some of which are consumed by zooplankton and the rest released into the atmosphere.

Effective beneficial bacteria have been demonstrated to be effective in the prevention of pathogenic infection in shrimp,

and may also enhance their growth rate. With the use of effective bacteria, the soil and water quality of cultured ponds may be significantly improved.

The addition of AQUA-FEED in shrimp feed may upgrade the feed quality and may significantly reduce serious diseases such as white spot disease and vibriosis after consumption.

### SPECIFICATIONS

Description:	Light to medium brown, free-flowing powder with slightly bitter taste.
Packaging:	Bulk, 200 x 56g, 400 x 28g, 40 x 250g, custom packaging available
Bulk Density:	0.7 - 0.8 g/cm <sup>3</sup>
Stability	Max. loss of 1 log/yr
pH (1%):	4.0-7.0
Ingredients	Microbial cell wall extract of $\beta$ glucans and mannanoligosaccharides(MOS) Bacillus blend: <i>Bacillus subtilis</i> , <i>Bacillus licheniformis</i> , <i>Bacillus megaterium</i> , <i>Bacillus amyloliquefaciens</i> ; <i>Bacillus pumilus</i> . <i>Saccharomyces cerevisiae</i> Enzyme blend: amylase, protease, cellulase, lipase Probiotic bacteria: <i>Lactobacillus acidophilus</i> ; <i>Enterococcus Faecium</i> ; <i>Pediococcus acidilactici</i> <i>Fermentation extract of Aspergillus Orzae and Aspergillus Niger</i> . Vitamin premix; proteinate mineral premix and amino acid complexes.
Shelf Life	Up to 1 year
Bacteria Count	5 billion CFU/g
Storage and Handling	Store in a cool dry environment, out of direct sunlight. Refrigerate is recommended. Avoid contact with eyes .See SDS.

# AQUA- FEED

BIOCONVERTER

## INSTRUCTION FOR USE

Mix following amount with complete feed.

- Shrimp: 150 g per ton of complete feed
- Fish: 200 g per ton of complete feed
- Other: 150-750 g per ton of of complete feed

For further information on application, contact your BIO-NETIX® technical representative.