



BACIMOR



BACIMOR CAA/M16/PRO/00511

HI-LINE AQUA produces a wide range of efficient Probiotics with a high concentration of **50 billion cfu per gram**, in the registered brand name of BACIMOR, for use in shrimp/fish ponds and hatcheries. BACIMOR contains a scientifically selected consortium of gram-positive Bacillus species that occur naturally in the intestinal tracts of shrimps and sea/fresh water sediments. Bacillus species work very well in aerobic and anaerobic conditions in the gut and also in the sediments. They also grow well in wide ranges of salinity (0 – 70 PPT) and in different pH levels.

The BACIMOR range has two different combinations of externally applied Water Probiotics BACIMOR WSQ (Water & Soil Quality) & BACIMOR AVV (Anti Vibrio & Virus) and one internally applied BACIMOR FP (Feed Probiotics).

COMPOSITION

Mixture of different strains of Bacillus species (**50 Billion CFU/gm**):

Bacillus subtilis, Bacillus licheniformis 1, Bacillus licheniformis 2, Bacillus pumilus, Bacillus megaterium, Bacillus polymyxa, Bacillus amyloliquefaciens.

Soy Flour – 50mg/g

Glucose – 10mg/g

NaCl – 240mg/g

Sucrose – 30mg/g

Sipernet – 10mg/g

Each variant of BACIMOR has different proportions of Bacillus species according to their functions.



BACIMOR AVV

BACIMOR AVV compete with and displace pathogenic bacteria like Vibrio, which cause disease in the water and in the guts of zooplankton. They also digest the Vibrio slime layers and produce anti-microbial compounds, bacteriocin, which inhibit the growth of pathogens.

BACIMOR WSQ

BACIMOR WSQ rapidly digest organic wastes like uneaten feed, faecal matter, dead algae, etc., and improve the pond bottom and water quality. They also stabilise and maintain optimum algal bloom, pH and DO levels in the water. They eliminate stress creators like NH₃, NO₂, NO₃, etc.



BACIMOR FP

BACIMOR FP are excellent producers of exo-enzymes which speed up the natural process of digestion and promote efficient feed utilization in the gut. They colonize in the walls of the gut and fight against and displace pathogenic bacteria that cause diseases in the intestinal tracts. The beneficial spores in BACIMOR FP will continue to grow in faeces and any uneaten feed, to compete against pathogenic bacteria that might try to grow on them.

Product Form and Packing

- 🐟 100 g of Free-flowing Light Brown coloured dry powder packed in sealed plastic container.

Storage

- 🐟 Store products at a dry normal room temperature. If kept dry, products can be stored for 2 years.

Dosage and Application: (The Bacimor Protocol*)

Before Stocking

I. 2 days after filling the pond:

— If transparency is above 50 cms, to develop algal bloom with the help of organic fertilizers:

- 👁 Mix 50 g of BACIMOR WSQ with 20 liters of fresh water & let it stand for 8 hours in a clean container.
- 👁 Prepare the fermentation medium by dissolving the following ingredients with 200 liters of fresh water: Yeast 250 g, Groundnut/shrimp meal 20 kg, Raw Rice Bran 40 kg, Sugar or Molasses 10 kg, Urea 5 kg, Super Phosphate 1 kg, and Calcium carbonate 2 kg.
- 👁 Mix both the BACIMOR WSQ medium and the fermentation medium together and aerate for two days; then apply over the pond. Repeat the above procedure if transparency is above 50 cms after 5 days.

— If transparency is below 50 cm, there is no need for organic fertilizers. Mix 50 g of BACIMOR WSQ in 20 liters of fresh water and apply, within 2 – 3 hours, all over the pond of one-hectare water spread area, irrespective of stocking density.

II. On the 7th day after filling (48 hours before stocking)

Mix 50 g of BACIMOR AVV in 20 liters of fresh water and apply, within 2 – 3 hours, all over the pond of one-hectare water spread area, irrespective of stocking density.

After Stocking

- 👁 On DOC 7, mix 50g of BACIMOR WSQ in 20 liters of fresh water and apply, within 2 to 3 hours, all over the pond of a one-hectare water spread area. Likewise, apply BACIMOR AVV & BACIMOR WSQ on alternate weeks till the end of culture.
- 👁 From DOC 1 till harvest, mix 0.50 g of BACIMOR FP with 100 ml of fresh water and let it stand for 2–3 hours. Mix the liquid with 1 kg of feed and broadcast the feed into the pond 15 minutes after mixing. Minimum two meals per day, till the end of culture. There is no need for external binders.

Note

- 👁 BACIMOR products yield the best results when the recommended full protocol of the 3 variants (AVV, WSQ, and FP) is followed.
- 👁 Be sure all employees in contact with spore products wear dust masks.
- 👁 Store BACIMOR products in a cool, dry environment. If kept dry, products will be good for 2 years.



www.hilineaqua.com



Formulated & Marketed by

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