

# NOVOMAX BAC

**Improve survival rates and harvest yields.**

**Description:**

This product is a synergistic blend of heterotrophic bacteria specialized in consuming organic compounds present in sludge and aquatic waste. In the presence of oxygen, these bacteria efficiently transform and decompose organic matter, improving water quality in ponds and aquaculture systems. Their balanced action creates an optimal environment by fostering a healthy balance between phytoplankton and beneficial bacteria.

Thanks to this degradation activity, it helps keep water clean and stable, reducing contaminants and promoting the health of aquatic organisms such as shrimp, tilapia, and other fish. In addition, it supports the intestinal flora of these animals, improving their well-being and facilitating healthy growth.



**Benefits:**

- Novomax-BAC efficiently decomposes feces and food residues, cleaning the environment.
- When added to feed, it improves the intestinal flora of shrimp and reduces pathogenic bacteria, optimizing production.
- Balances phytoplankton and beneficial bacteria, improving the aquatic environment in ponds.



**Product Information:**

<b>Description</b>	Freeze-dried white bulk powder
<b>Packaging</b>	49 lbs (22 kg) plastic bucket
<b>Temperature</b>	9–38°C (Optimal)
<b>pH</b>	6.0–8.5 (Optimal)
<b>Salinity</b>	0–50 ppt (Optimal)
<b>Alkalinity</b>	50–180 ppm (Optimal)
<b>Nutrient Content</b>	Biological nutrients and stimulants
<b>Plate Count</b>	4 trillion CFU / g
<b>Shelf Life</b>	24 months from manufacturing date



### Application Tables:

Pond Application	Novomax-BAC		
	Shrimp/m <sup>3</sup>		
Grams / ha	5-15	15-25	25-45
Pond filling	100	100	100
Stocking day	-	-	-
Every 7 days until harvest	-	100	150
Every 15 days until harvest	100	--	--

Pond Application	Novomax-BAC		
	Shrimp/m <sup>3</sup>		
Grams / kg of feed Apply for 5 days with 5 days off	5-15	15-25	25-45
Primer Mes	3	3	3
Segundo Mes	2	2	2
Tercer Mes	1	1	1



### No activation required, stable and enhanced growth.

The bacteria contained in Novomax-BAC are non-pathogenic and have not been genetically modified. These bacteria are naturally present in all regions of the world.

### Indications:

Novomax-BAC is a synergistic blend of bacteria that degrades organic matter in ponds and improves the intestinal flora of shrimp. Optimal pH range for use: 5.8–8.5. Optimal temperature range: 9–38°C.

### Instructions for Use:

- Applied to water: 100–200 g dose per hectare.
- Applied to feed: 1–3 g/kg.
- Dosage and frequency should be adjusted according to the specific conditions of each pond, based on the recommendation of a specialist.



### Mode of Action:

#### 1.- Competitive Exclusion:

- Beneficial bacteria compete for space and nutrients, displacing pathogens such as *Vibrio* sp. and *Aeromonas*.
- This prevents infections and improves water quality.

#### 2.- Production of Antimicrobial Compounds:

- Contains bacteria that produce bacteriocins (natural substances that inhibit the growth of harmful microorganisms).

#### 3.- Degradation of Organic Contaminants:

- Microorganisms digest and metabolize ammonia, nitrites, and organic matter, transforming them into less toxic compounds.
- Helps reduce BOD, COD, and TSS, improving water oxygenation.

#### 4.- Optimization of Phytoplankton and Aquatic Microbiota:

- Balances the microbial community in the water, promoting beneficial bacteria that improve nutrition and development of aquatic organisms.



### Do not mix with:

- **Aggressive biocides or disinfectants**, such as chlorine, hydrogen peroxide, or formalin, as they may inactivate beneficial bacteria.
- **Antibiotics**, without prior consultation with an aquaculture specialist.