

AquaStar® Pond

Micro additions, macro benefits!



Multi-genera probiotic to improve water quality and increase pond productivity

Shrimp share an intimate relationship with their environment. As such, they are continuously exposed to pathogens and toxic substances in the pond water which can reduce health and performance. The use of beneficial bacteria (probiotics) to control pathogens and improve water quality is now established.

The probiotic bacteria in AquaStar® Pond work in synergy with the existing biomass, improving the microbial balance and eliminating undesirable waste compounds including nitrogen waste and hydrogen metabolites. By improving the pond environment, animal health and performance is improved resulting in increased yields.

Advantages of a multi-genera probiotic formulation:

- Aquaculture pond is complex, one bacterial type cannot do everything
- Specialized bacteria for specific roles in the pond
- Synergistic and complementary benefits between bacterial types
- Reduced risk when environmental conditions change
- Consistent results, across multiple cycles

Main benefits:

- Improves water quality
- Reduces pathogen load
- Improves growth performance, FCR and survival
- Improves pond productivity
- Drives sustainable aquaculture production

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Mode of action:

- Drives nitrogen cycle, reducing ammonia, nitrite and nitrate
- Reduces toxic hydrogen sulfide
- Breaks down organic matter, facilitating the release of highly digestible nutrients
- Vibrio control through competitive exclusion and direct inhibition
- Quorum quenching properties, reducing pathogen virulence

Application:

Dissolve AquaStar® Pond in water (minimum 1:30 ratio).

Distribute in various locations around the pond.

Dosage:

0.5 – 2.0 kg/ha every 5 to 28 days depending on culture system and animal density.

Stocking density (PL/m ²)	Application 7 days before stocking	Application during growout period
< 15	1.5 kg/ha	0.5 – 1 kg/ha every 2 – 4 weeks
15 – 50	2 kg/ha	0.5 – 1 kg/ha every 1 – 2 weeks
50 – 100	2 kg/ha	0.6 – 1.5 kg/ha every 1 – 2 weeks
> 100	2 kg/ha	0.6 – 1.5 kg/ha every 5 – 7 days

Composition:

Blend of probiotic bacteria (*Bacillus sp.*, *Pediococcus sp.*, *Enterococcus sp.*, *thiobacillus sp.*, *Paracoccus sp.*) and organic carrier.

Number of bacteria:

min. 2×10^{12} CFU/kg product.

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