



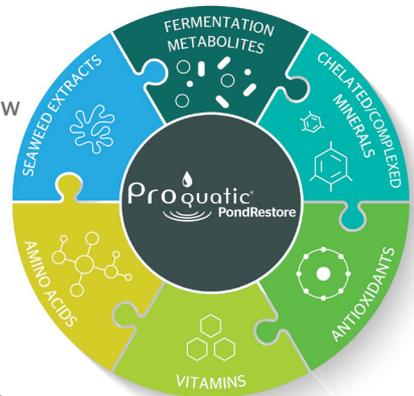
A Non-Toxic Pond Bottom Supports a Healthy Pond Environment

When organic matter accumulates on the pond bottom, unhealthy anaerobic conditions are created. The pond environment can become toxic and result in poor shrimp health and production. **Proquatic® PondRestore is a biostimulant functional matrix designed to help create a non-toxic pond bottom that keeps beneficial organisms thriving.**

By creating a healthier pond environment, Proquatic PondRestore can help shrimp grow bigger and result in higher profit potential. In fact, trials show compared to untreated ponds Proquatic PondRestore can increase:

- Shrimp yield an average of 22 percent
- Shrimp body weight an average of 13 percent
- Overall return on investment 5:1*

To achieve these results, the unique formulation from U.S.-based Verdesian Life Sciences combines the power of probiotic metabolites, seaweed extracts, amino acids, chelated/complexed minerals, bioavailable vitamins and antioxidants to support anaerobic processes at the bottom of the pond, regardless of pond type. Proquatic PondRestore also promotes increased levels of diatoms and beneficial bacteria to help create a healthy, stable pond environment.



*5:1 ROI assumes shrimp selling price of \$7.50/kg

Decompose Pond Waste to Create Healthy Pond Bottom

Pond bottoms determine the stability of the pond ecosystem and is where most pond microbes can be found. As the bioload within the pond increases, it generates more organic matter that falls to the pond bottom, whether earthen-bottom, lined or cement.

Proquatic PondRestore helps anaerobic processes at the pond bottom quickly break down uneaten feed, fertilizer, feces, carcasses and dead phytoplankton to help the pond environment accommodate a higher bioload. As a result, Proquatic PondRestore helps reduce the formation of toxins like H₂S, stopping their release into the pond water where they can harm shrimp health. In earthen-bottom ponds, the result can be seen in soil that remains the desired light color.

PondRestore Restores Damaged Soil

PondRestore enhances activities of natural bacteria and probiotics in converting black, anaerobic soils into light-colored aerobic soils, restoring them to a rich and productive state.



Untreated



PondRestore



Untreated

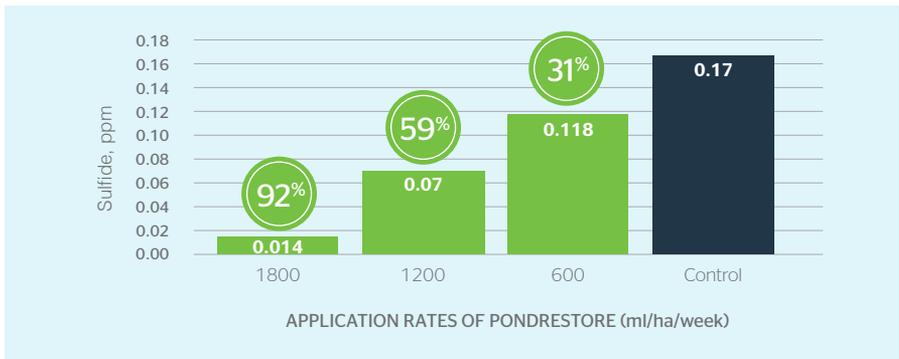


PondRestore

China. Source: Verdesian Life Sciences.

PondRestore Boosts Aerobic Decomposition

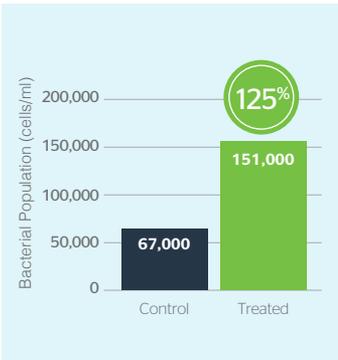
Black, anaerobic soils produce toxic gases including ammonia, methane, hydrogen sulfide, and carbon dioxide. PondRestore boosts heterotrophic/aerobic decomposition, which reduces production of toxic gases and results in a healthier environment.



Foster a Sustainable Pond Environment

The impact of Proquatic PondRestore extends from the pond bottom throughout the whole pond environment. By accelerating decomposition of waste on the pond bottom, Proquatic PondRestore helps maintain desired dissolved oxygen levels. It helps stabilize alkalinity levels and avoid undesirable pH fluctuations in water to better manage algal blooms and improve shrimp moulting and growth. Proquatic PondRestore helps increase diatoms and beneficial bacteria, as well as probiotic efficiency.

PondRestore Increases Heterotrophic Bacteria and Diatoms in Pond Sediment



Increased bacterial population means a better decomposition of organic matter and cleaner pond bottom.



Increased population of diatoms in pond sediment by an average of 120% over untreated control.

Proven Performance

Proquatic PondRestore helps improve the pond environment, leading to increased shrimp growth rate for more harvested biomass.



SE Asia: Average of 4 trials in India and Vietnam. Ecuador: Average of 2 trials. Mexico: 1 trial.



Creating a Competitive Advantage Through a More Productive Aquaculture System

Aquaculture products from Verdesian not only help create healthy pond bottoms, but they also help quickly establish a healthy aquatic environment, and improve shrimp health. A more productive aquaculture system can lead to a more profitable operation that creates a competitive advantage in the marketplace. Other products in the aquaculture family:

- Proquatic Maintain helps establish healthy shrimp from the start by creating and maintaining a stable aquaculture system in aerobic conditions.
- Dyvon Lumensa™ helps shrimp maintain a healthy, balanced gut microbiome that supports increased weight gain, improved immune and digestive systems, and decreased mortality.

Trials indicate that together with Proquatic PondRestore, these products on average over untreated help:

- Accelerate growth
 - » Increase average body weight **13 percent**
 - » Decrease feed conversion ratio **24 percent**
- Create cleaner ponds
 - » Increase diatom population **120 percent**
 - » Increase bacteria/probiotic population **125 percent**
 - » Decrease pond production cycle **8.5 days**
- Yield healthier, larger shrimp
 - » Increase survival rate **23 percent**
 - » Increase shrimp harvest weight **22 percent**
 - » Increase return on investment **5:1**

Scan QR code with your phone camera for more information.



Accelerate growth.
Create cleaner aquaculture systems.
Yield healthier, larger shrimp.

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