Okeanos BioClean

What is Okeanos BioClean?

Okeanos BioClean is a product made up of natural and beneficial bacteria used to clean organic pollutants in ponds. This special formula helps keep your pond clean and healthy, maintaining the balance of the ecosystem.



Features and Benefits

- Effective Decomposition: Breaks down decaying vegetation and organic matter, effectively decomposing materials accumulated on the water bed.
- Sludge Removal: Cleans the sludge layer and prevents its reaccumulation.
- Reduces BOD and COD Levels: Lowers Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) levels while maintaining dissolved oxygen levels.
- Enhances Water Quality: Improves water quality and clarity.
- 100% Safe for Aquatic Life: Completely safe for fish and other aquatic life.
- Reduces Toxicity: Lowers toxicity caused by natural chemical compounds.
- Cost-Effective and Easy to Apply: Provides a cost-effective solution that is simple to use.
- Odor Reduction: Reduces unpleasant odors such as hydrogen sulfide (H2S), ammonia, and other foul smells.
- Convenient Application: Easy to apply at any time of day.



Usage Instructions

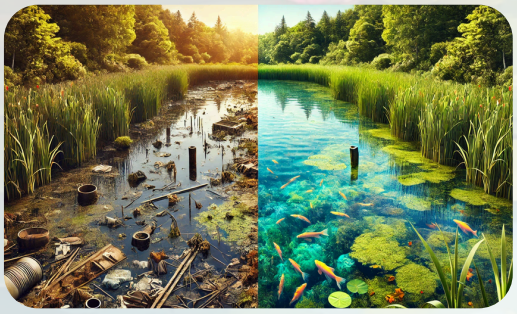
This product is packaged in 200-gram water-soluble sachets.

Dosage:

• Initial Dose: For ponds with a high concentration of decaying vegetation and sludge, apply 3 kg (15 sachets) per acre.
• Maintenance Dose: Every 15 days, apply 2 kg (10 sachets) per acre until visible improvement is observed.

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Beneficial Bacteria for Cleaning Ponds and Lakes



Okeanos BioClean is a product made up of natural and beneficial bacteria used to clean organic pollutants in ponds. This special formula helps keep your pond clean and healthy while maintaining the balance of the ecosystem.

Okeanos BioClean is a safe, non-toxic, and easy-to-use product, ideal for those who understand that algae can be more than just a visual nuisance but a serious problem. Okeanos BioClean contains natural, biodegradable bacteria that can be safely used in aquatic environments. These bacteria maintain dissolved oxygen levels, reduce toxicity, eliminate bad odors, remove suspended organic matter, clean sludge layers, and help control diseases.

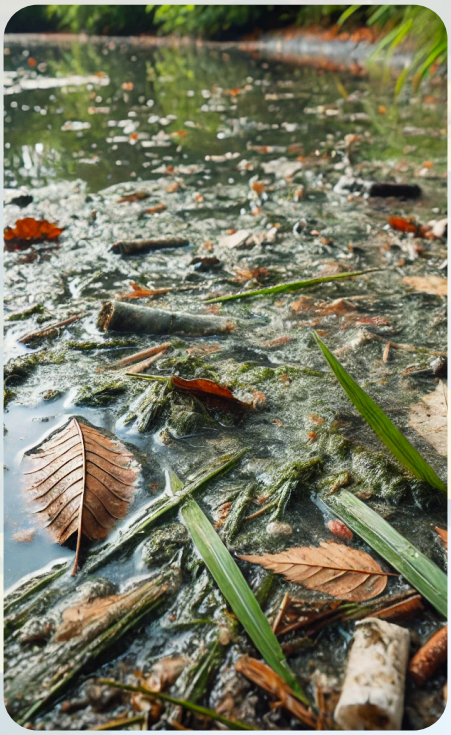
The Bacillus bacteria in Okeanos BioClean are packaged and shipped in spore form, offering the following advantages:

- Long-term, stable shelf life
- High tolerance to harsh environmental conditions
- Competitive strength against other microbes
- Ability to work synergistically with other Bacillus species and selected microbes
- Capability to be formulated with other components, allowing for superior and unique formulas

When Okeanos BioClean is applied to a polluted pond or lake, the spores quickly transform into vegetative cells. These cells start breaking down algae to fuel their energy needs. Okeanos BioClean Powder Bacteria is also effective at neutralizing excess nitrates, which are often responsible for sludge algae and duckweed growth.

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Information on Potential Problems in Ponds and Lakes



In ponds and lakes, organic materials such as fallen leaves, uneaten food, grass clippings, and animal waste accumulate over time. These materials gradually break down into a thick, black sludge layer. This decomposition process increases the demand for dissolved oxygen, leading to the depletion of oxygen levels in the water. As oxygen levels drop, undesirable byproducts like ammonia, hydrogen sulfide, nitrites, and nitrates are released into the water. These substances encourage the growth of unwanted phytoplankton, such as blue-green algae. Algae can clog pumps and filters, discolor the water, form green layers on the surface, and have deadly consequences for aquatic life.

Solution: Maintaining Nature's Balance

A common method to combat these issues is to reduce light penetration into the pond by using Okeanos Blue Water or Okeanos Blue Powder. Another effective solution is the application of natural bacteria with Okeanos BioClean. Bacteria are some of the oldest life forms on Earth, and most are not harmful but beneficial. Bacteria are widely used to break down organic materials in natural environments, as well as in domestic and industrial applications.

The natural bacteria in Okeanos BioClean multiply rapidly, doubling every 20 minutes. A single cell divides to produce two new daughter cells, and after 12 hours, the population can reach approximately 70 billion cells. Okeanos BioClean starts the process by introducing millions of bacteria initially. These bacteria quickly spread and begin breaking down excess organic matter and nutrients. As a result, water quality improves, the water becomes clearer, and unpleasant odors are reduced.



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Storage

Store Okeanos BioClean in a cool, dry place and protect it from direct sunlight. Avoid exposing it to freezing conditions. The water-soluble sachets containing Okeanos BioClean Beneficial Bacteria may become brittle under cold storage conditions.

Health and Safety

After use, wash your hands thoroughly. Avoid inhalation and contact with eyes.



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