

Pond Treatment Microbes

BBP 2010

Bacterial Blend for Ponds



How BBP 2010 Works

Industrial Fluid Management's BBP 2010 is a natural formulation comprised of viable bacterial cultures, enzymes and a naturally occurring clarification aids. Bacterial cultures have been selected for the rapid degradation of organic matter present in sediments found in ponds in varying stages of eutrophication. Eutrophication in a water system is accelerated by the presence of inorganic nutrients such as phosphorus and nitrogen which stimulate algae and other aquatic growth. High growth rates eventually exceed the pond's natural capabilities to rejuvenate and result in organic-laden bottom sediments, high turbidity, oxygen deficient conditions and potentially bad odors.

Features and Benefits

- Aids in clarification by promoting the flocculation of suspended colloidal matter.
- Neutralizes organic acids in bottom sediments to allow bacterial decomposition.
- Supplies necessary micronutrients for the rapid assimilation of organic matter by viable bacterial cultures.
- Promotes the biological degradation of bottom sediments by contributing bacteria to the organic residues of vegetable and animal matter.
- Non-toxic to both flora and fauna when used in recommended dosage.

BBP 2010's bacterial spores will germinate upon application and begin to work on the suspended organic material, providing some clearing action on their own. As the sediments settle, the bacteria in the water column are also swept into the bottom sediments where increased rates of degradation act to reduce sediment volume and maintain a friendlier ecological equilibrium in the system.

Product Characteristics

Bacteria Count	5 billion/gram
Stability	Max loss of 1.0 log/yr when stored under recommended conditions
Appearance	Free-flowing tan powder
Odor	Yeast-like

Product Preparation

BBP 2010 may be added directly into ponds. Product may also be re-hydrated using two gallons of pond water per pound of product. For best results, the make-up water temperature should be between 21°- 31°C (70°-90°F).

Optimum Conditions for Use

The bacteria in **BBP 2010** perform within a pH range of 6.0 to 9.0, with optimum activity near pH 7.0. Temperature affects the growth rate of the bacterial population, and activity improves with increasing temperature up to 40°C (104°F). No appreciable activity can be expected below 5°C (40°F).

Available Packaging

- 25 pound pail
- 1/2 pound Solupak

Dosage Recommendations

1/3 to 1/2 Acre Pond:

Initial Dose: One (1) 1/2 lb Solupak per day for two (2) weeks

Maintenance Dose: One (1) 1/2 lb Solupak every three (3) days

Fifth month of Dosing: One (1) 1/2 lb Solupak every five (5) days

One (1) Acre Ponds:

Initial Dose: Two (2) 1/2 lb Solupaks per day for two (2) weeks

Maintenance Dose: Two (2) 1/2 lb Solupaks every three (3) days

Fifth month of dosing: Two (2) 1/2 lb Solupaks every five (5) days

Storage and Handling

Store in a cool, dry place. Recommended storage temperature of 1°C-23°C (34°F-73°F). Avoid excessive inhalation. Avoid eye contact. Wash hands thoroughly with warm, soapy water after handling.

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