

BP-1502 Series

## **Algae Control / Water Clarity | Powder**

### **OVERVIEW**

Algae survive, grow and reproduce by feeding off of the nutrients – nitrogen potassium and phosphorous – in the water. There are a variety of algae that differ in make-up and size. Unmonitored growth of these species can degrade water quality – low oxygen levels and sunlight unable to penetrate the algae scum on the surface. This poses threats to other organisms in the water like fish, plants and other aquatic life. In addition, algae growth makes it increasingly difficult for treatment plants to meet effluent permit limits.

Introduce RBT 1502 into the pond, lagoon, lake, etc. to prevent these periods of excessive algae growth. RBT 1502 uses bioaugmentation, a non-chemical and natural method - to remove the nutrients that are vital to algae growth. The microbes that are introduced ingest carbon, phosphorous, potassium and nitrogen at an accelerated rate, which limits the nutrients available for algae to consume. This control by competitive inhibition increases water clarity, reduces sludge and promotes overall better health for the aquatic environment.

Use of RBT 1502 also aids treatment plants in meeting effluent regulations with decreased use of aerators. While proper aeration is important to enhance the effectiveness and longevity of microbial bioaugmentation and nutrient deactivation applications, treatment plants will learn that the decreased use of aerators will save on energy costs.

### **APPLICATIONS**

- Lagoons
- Ponds
- Wastewater plants
- Holding tanks
- Septic Tanks
- Waste Pumps
- Oxidation ditches
- Lift stations

### **ADVANTAGES:**

- Greatly reduces labor time
- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Cost effective & easy to use
- Increases system efficiency
- Contains no chemicals
- Eliminates malodors at their source
- Breaks down fat and grease buildup

- Degrades a wide range of complex organics

### **TARGETED COMPOUNDS**

- NUTRIENTS REQUIRED FOR ALGAE GROWTH
- SLUDGE VOLUME
- CELLULOSE
- WASTE DIGESTANTS
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### **STRAINS**

- MULTI-STRAIN SPORE BLEND

### **TYPICAL PROPERTIES**

**Appearance:** Tan Powder

**Fragrance:** Mild

**Form:** Powder

**Shelf Life:** 24 Months

**Effective pH Range:** 5.0 – 10.0

**Effective Temperature range:** 34° - 120°F

### **BACTERIA CONCENTRATION**

- 5.1 BILLION CFU/GRAM

### **PACKAGING (CONTAINERS)**

- 30, 50, 100, 400 and 2000 lb. Containers
- Also available in 2 oz., 4 oz., 8 oz. and 16 oz. Water-Soluble Bio- Packets

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