

# 1502 SERIES

WATER CLARITY | SLUDGE REDUCTION

POWDERS

## OVERVIEW

Water clarity can be compromised by excess BOD, COD, TSS and nutrients such as nitrogen, potassium and phosphorus. A decrease in water clarity and water quality can reduce the overall health of the aquatic environment. This poses threats to other organisms in the water like fish, plants and other aquatic life.

Our advanced biological 1502 powder formulation uses bioaugmentation, a non-chemical and natural method to reduce the organic levels that threaten good water quality. Our non-chemical, natural, application-specific microbes that are introduced ingest carbon, phosphorous, potassium and nitrogen at an accelerated rate, which limits the organic loading available and improves water quality. 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:

- I LAGOONS
- I PONDS
- I LAKES
- I WASTEWATER PLANTS
- I HOLDING TANKS
- I OXIDATION DITCHES
- I DECAYING PLANT MATERIAL

## ADVANTAGES:

- I IMPROVES WATER CLARITY - REDUCES SLUDGE / MUCK
- I ENHANCES BOD/COD REMOVAL
- I REDUCES HYDROGEN SULFIDE
- I COST-EFFECTIVE & EASY TO USE
- I INCREASES SYSTEM EFFICIENCY
- I CONTAINS NO CHEMICALS
- I ELIMINATES MALODORS AT THEIR SOURCE
- I DEGRADES A WIDE RANGE OF COMPLEX ORGANICS

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## DOSING INSTRUCTIONS:

**SHOCK DOSE:** Apply at early in the Spring season at a rate of 6-8 lbs. per acre-foot x 5 doses over a two-week period. Apply evenly over surface area. **MAINTENANCE DOSE:** Apply at a rate of 4 lbs. per acre-foot 1-2 times per week. **PREVENTATIVE DOSAGE:** Apply at a rate of 2 lbs. per acre-foot, beginning in the Spring throughout the warm months into the Fall. In warmer climates or climates where the pond or lagoon does not freeze we recommend you treat year round to maintain the overall health of the aquatic environment. If fertilizer is applied to surrounding areas, double the dosage rate for 2 weeks.

**Note:** For colder climates Lagoon and Pond treatment program should begin when the water temperature is above 40-50 Degrees Fahrenheit.

## TARGETED COMPOUNDS

- I BOD, COD, NITROGEN, PHOSPHORUS
- I SLUDGE VOLUME
- I CELLULOSE
- I WASTE DIGESTANTS

## STRAINS

- I MULTI-STRAIN SPORE BLEND

## TYPICAL PROPERTIES

- I APPEARANCE ..... TAN POWDER
- I FRAGRANCE ..... MILD
- I FORM ..... POWDER
- I SHELF LIFE ..... 24 MONTHS
- I EFFECTIVE pH range..... 5.0 – 10.0
- I EFFECTIVE TEMPERATURE RANGE..... 34-120 DEGREES F

## BACTERIA CONCENTRATION

- I 5 Billion CFU/g

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## PACKAGING

- I 25, 50, 100, 400 AND 2,000 LB. CONTANERS
- I ALSO AVAILABLE IN 2 OZ., 4 OZ., 8 OZ., AND 16 OZ. WATER-SOLUBLE BIO-PACKETS

**Caution:** May irritate eyes. Keep out of the reach of children.

**FOR MORE INFORMATION VISIT OUR WEBSITE: [www.rex-bac-t.com](http://www.rex-bac-t.com)**

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