

# MUCKBIOTICS

## Powerful Muck and Nutrient Removal

**MuckBiotics™** are a next generation probiotic tablet for restoration and maintenance of impaired water resources. This advanced probiotic combines scientific research with novel bioengineering, resulting in a product that treats the entire water body by starting at the bottom.

MuckBiotics are applied by broadcasting the tablets evenly over the surface of the targeted area. The tablets sink to the bottom and rapidly populate the aquatic environment in which they are applied. MuckBiotics should be applied across the entire surface of a water body for best results. They also excel at targeting shorelines, coves, or similar specific areas prone rapid accumulation of organic matter. MuckBiotics DO NOT kill aquatic plants or algae.

### PRODUCT HIGHLIGHTS

- Great for both targeted treatments and full water bodies
- Non-toxic, non-hazardous, pet-safe water treatment tablet
- Proven results backed by years of scientific research

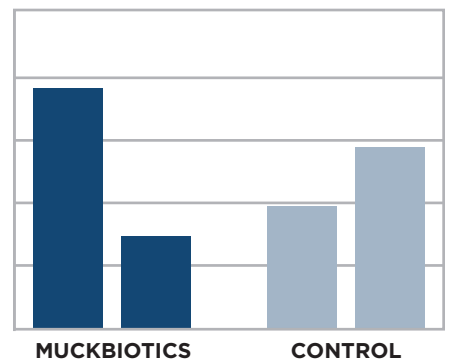


### BENEFITS

- Removes buildup of organic matter
- Improves water quality and clarity
- Restores balance to water bodies
- Reduces internal nutrient load

Analyte	Control	MuckBiotics
Total Nitrogen	1,200 mg/Kg	980 mg/Kg
Total Phosphorus	400 mg/Kg	240 mg/Kg
Total Solids	44%	51%
Total Volatile Solids	6.7%	5.3%
Total Organic Carbon	13,000 mg/Kg	12,000 mg/Kg
Nitrate	<0.89 mg/Kg	<0.76 gm/Kg
Ratio TVS:TS	0.15	0.10

### AVERAGE SEDIMENT LEVELS AFTER 3 MONTHS



## MuckBiotics™ Dosage - Once per month or as needed

Surface Acres	Targeted Muck Reduction	Muck Maintenance & Prevention	Degradation of Floating Debris
1/4	5 - 12.5 pounds	2.5 - 6.25 pounds	1.25 - 3.75 pounds
1/2	10 - 25 pounds	5 - 12.5 pounds	2.5 - 7.5 pounds
1	20 - 50 pounds	10 - 25 pounds	5 - 15 pounds
5	100 - 250 pounds	50 - 125 pounds	25 - 75 pounds
10	200 - 500 pounds	100 - 250 pounds	50 - 150 pounds
100	2000 - 5000 pounds	1000 - 2500 pounds	500 - 1500 pounds

- Do not mix directly with algaecides or herbicides
- If used in conjunction with algaecide or herbicide, apply MuckBiotics after chemical treatments for best results
- MuckBiotics are available in 30 pound biodegradable and resealable bags

### INCLUDE IN TREATMENT PROGRAMS FOR:

FILAMENTOUS ALGAE

CYANOBACTERIA

WATER CLARITY

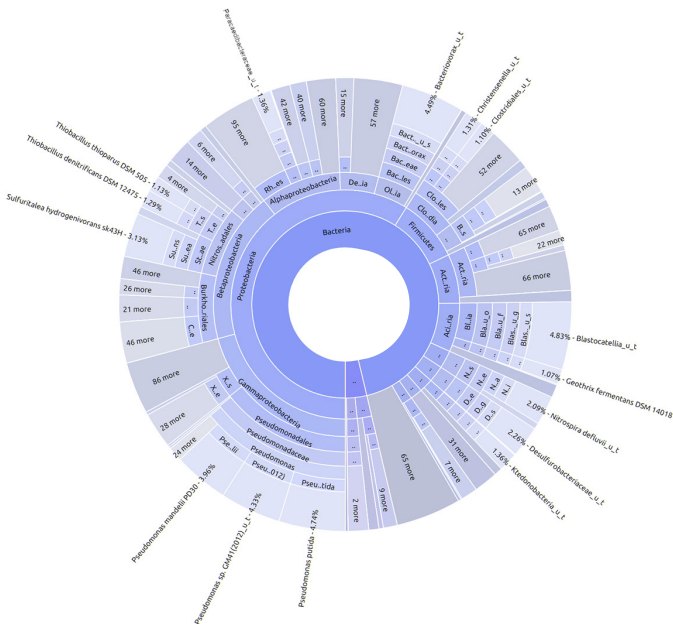
AQUATIC PLANTS

PLANKTONIC ALGAE

MUCK & SLUDGE

NUTRIENT REDUCTION

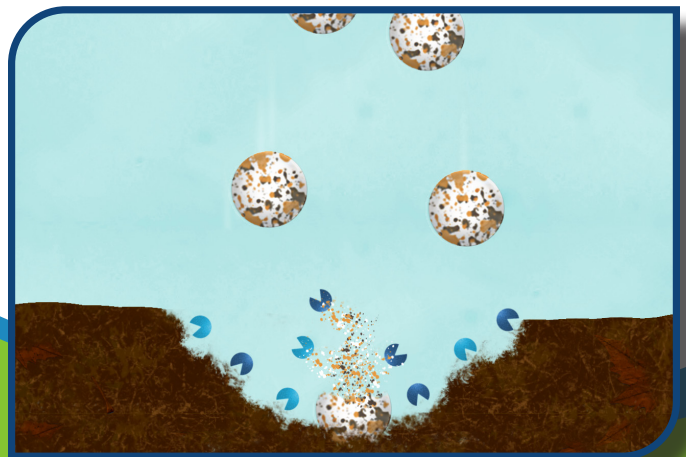
SUBMERGED PLANTS



### THE SCIENCE BEHIND IT

The nontoxic, organic technology saturates the surface of the sediment layer with rare earth stimulants and a broad spectrum of natural bacterial cultures. This establishes a healthy microbiota at the water-to-sediment interface that accelerates the digestion of organic matter. The microbiota functions as a biofilter, reducing harmful nutrient loading from both internal and external sources.

For more information on the science behind MuckBiotics, and the full details of our research into it's creation and effectiveness, visit us online at: [www.naturalake.com/muckbiotics](http://www.naturalake.com/muckbiotics).



**Naturalake**  
Biosciences

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Important: Always read and follow label instructions. This product DOES NOT kill aquatic plants or algae. Call us, 888.757.9575 for more information.