



Enzymes & Bacteria Sludge Control

Avir Natural Water Enzymes & Bacteria is the one product that furnishes all the essentials a lake or pond may be lacking to sufficiently manage sludge accumulation.

Our *Natural Water Enzymes & Bacteria* consists of safe surfactants, a fortified mineral supplement, a broad spectrum enzyme package and the best lake and pond bacterial strains. This combination works together with indigenous bacteria to remediate organic loading before it becomes sludge. While this natural aerobic activity takes place, the enzymes speed facultative activity as well decrease the depth of the existing sludge bed.

Avir Natural Water Enzymes & Bacteria simply supplies a water body with the natural tools required to defend itself against sludge buildup.

- Easy to use 2-in-1 liquid formula
- Continuous sludge digestion maintains or increases water depth
- Eliminates foul odors from sludge
- No disruption of property required
- Naturally slows the aging process

Avir Environmental Corporate Mailing

P.O. Box 629
Denver, CO 80151 USA

Email: info@avirenviro.com
Phone: 303.300.1515
Fax: 303.783.0485
Web: www.avirenviro.com





Enzymes & Bacteria Sludge Control Application Guidelines

Application Rate for Water Column Treatment

(1 acre foot = a surface acre 1' deep or 326,000 gallons)

Usage: ½ gallon per acre foot (1.5 ppm) 2-4 times/year

Dilute product with enough water to uniformly treat volume

Application Rate for Sludge Bed Treatment

Usage: 5 gallons per surface acre (16 oz per 1000 sq ft); 2-4 times/year

Dilute product with enough water to uniformly inject into sludge bed

For Optimum Results

- Dilute and use as directed
- Inject or knife diluted product into muck in a 30' on center grid pattern (or smaller if buildup is severe)
- Apply when ambient temperature is 50°-90° F; dissolved oxygen level is over 1.0 ppm; pH is 6-8 alkalinity is less than 100 ppm
- To minimize the effects of settling, mix product thoroughly before beginning application
- Use with other *Avir Natural Water Enzyme, Bacteria, Trace Minerals and Phosphorous Reduction* products for a full treatment program
- Proper aeration will enhance product performance

Technical Specs

In Use pH Range:.....Neutral

Solubility in Water.....Soluble

Odor.....Mild

Appearance.....Translucent dark amber liquid

Packaging, Handling and Storage

Size	Package	Dimensions (LxHxW)	Weight
1-gal	4/case	15" x 10" x 10"	39 lbs
2.5 gal	2/case	14" 9" x 15"	48 lbs
5-gal	pail	12" x 10" x 15"	48 lbs
55-gal	drum	24" dia. X 36"H	475 lbs

Store this product out of direct sunlight in a cool dry area. For best results, use within 12 months. Request an *Avir Natural Water Enzymes & Bacteria* MSDS for more specific information.

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