PRODUCT TECH SHEET

SLUDGE RELIEF®

Product Description

Sludge Relief is specifically formulated to help treat and maintain superior performance in waste lagoons, effluent tanks, or septic systems on your farm. Sludge Relief is capable of performing in a broad range of conditions, including anaerobic or aerobic situations and maintains a broad range of degradation capabilities to keep up with modern animal-agriculture needs. Sludge Relief contains beneficial, natural bacterial strains which produce key enzymes to target and consume organic waste.

Application Benefits

- Consumes sludge and breaks down solids
- Reduces need for pumping
- Effective at 38˚ – 145˚
- Controls odors
- Helps reduce BOD levels
- 1 trillion cfu formula

Ingredients

Sludge Relief is a proprietary blend of microbes and their derivates. It contains a blend of safe Bacillus microorganisms. Toxicity studies conducted by an independent laboratory revealed that Sludge Relief has no acute oral toxicity, no acute dermal toxicity, and no acute inhalation toxicity at maximum test dose. Acute dermal and eye irritation studies classify the consortium as nonirritating and it does not elicit a skin sensitization reaction.

Application Rates

GENERAL: 10 gallons of Sludge Relief and 10 gallons of Monty's Liquid Carbon per 1,000,000 cubic feet as an initial treatment. After initial treatment, calculations will be required to determine a maintenance application of both products. Please refer to the Sludge Relief label or consult your representative.

Storage and Handling

Sludge Relief contains living organisms and should not be stored in direct sunlight or allowed to freeze; should not be carried over from one year to the next; and should be used during the growing season in which it was purchased. Store in a cool, dry place. Refer to the SDS for other safety and handling information. Wash hands thoroughly with warm, soapy water after contact. Avoid eye contact.

Limited Warranty

Monty's warrants that this product meets its manufacturing specifications. If it does not, Monty's will, at its option, replace the product or refund the purchase price. In no event shall Monty's be liable for special, incidental or consequential damages or for damages in the nature of penalties. Monty's shall not be liable in any way for claims resulting from any use of this product which is not in strict accordance with all directions, cautions and warnings on the label or labels.

Recommended Application and Feed Rates

Application	Step #1	Step #2	Step #3	Step #4
Initial lagoon inoculation for the reduction of sludge and solids which may be present in the system.	Determine the System Gallons for your lagoon. See Useful Conversions below.	Determine degree of solid build up in your system based on preference or requirements.	Apply 5 to 15 ppm of Sludge Relief to lagoon.	If possible, agitation of lagoon with auger is suggested, but not required.
Secondary applications to further reduce sludge and solid build up which may be present in the system. See Additional Comments	Determine the System Gallons for your lagoon. See Useful Conversions below.	Determine degree of solid build up in your system based on preference or requirements.	Apply 3 to 5 ppm of Sludge Relief to lagoon.	Repeat weekly for 4 weeks.
Maintenance applications for the continued reduction of sludge and solids which may be introduced into the lagoon system.	Determine the System Gallons for your lagoon. See Useful Conversions below.	N/A	Apply 1 to 2 ppm of Sludge Relief to lagoon.	Repeat weekly or biweekly based on desired results as needed.

Additional Comments

(1) The secondary application may be your initial application if sludge and solid build up is minimal to moderate to start. (2) Dosing Guidelines are recommendations only. Higher dosage rates may be required based on organic loading and for initial inoculations. Consult your sales representative for more information. (3) Sludge Relief may also be used for sewer line maintenance, sewage treatment plants, lift stations and grease traps. (4) Product can be evenly distributed around edges of lagoon, from product container or 5 gallon bucket.

Useful Conversions for System Gallons

- L (ft) X W (ft) X Depth (ft) = Total Cubic Feet (ft^3)
- 1 Cubic Foot (ft^3) = 7.48 gallons
- Total Cubic Feet (ft^3) X 7.48 = System Gallons

OR

- Surface acreage (acres) X Depth (ft) = Total Acre Feet
- 1 Acre Foot = 325,851 gallons.
- Total Acre Feet X 325,851 = System Gallons

Dosing Chart

System Gallons	1 ppm	5 ppm	10 ppm	15 ppm
2,000,000	2 gal	10 gal	20 gal	30 gal
1,000,000	1 gal	5 gal	10 gal	15 gal
750,000	¾ gal	3.75 gal	7.5 gal	10 gal
500,000	½ gal	2.5 gal	5 gal	7.5 gal
250,000	1 qt	1.25 gal	2.5 gal	3.75 gal

For more information, consult your sales representative, visit montysplantfood.com, or contact Monty's at 800.978.6342.