

# Manure Management

## Sludge Relief ... The bio-organic solution for manure management.

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 contains beneficial, natural bacterial strains which produce key enzymes to target and consume organic waste.

### Initial Lagoon Inoculation - Use to reduce sludge and solids which may be present in the system.

1. Determine total system gallons (See conversions below).
2. Determine degree of solid build-up in your system based on preference or requirements.
3. Apply enough Sludge Relief to attain 5-15 ppm in lagoon (See chart below).
4. Agitation of lagoon is helpful but not necessary.

### Secondary Application - Use to further reduce sludge and solids which may be present in the system.

1. Determine total system gallons (See conversions below).
2. Determine degree of solid build-up in your system based on preference or requirements.
3. Apply enough Sludge Relief to attain 5-15 ppm in lagoon (See chart below).
4. Repeat weekly for 4 weeks.

### Maintenance Applications - Use for continued reduction of sludge and solids and for optimum performance of lagoon/tank.

1. Determine total system gallons (See conversions below).
2. Apply enough Sludge Relief to attain 5-15 ppm in lagoon (See chart below).
3. Repeat weekly or bi-weekly as needed to achieve desired results.

### Additional Considerations.

1. The secondary application may be your initial application if sludge and solid build up is minimal to moderate to start.
2. Dosing Chart 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. Once mixed with water, Sludge Relief should be evenly distributed around edges of lagoon (see label or contact your representative for mixing and application information).

Available in 2.5 & 275 Gallons. Please check with your dealer for availability and application rates or visit [www.montysplantfood.com](http://www.montysplantfood.com).



**FOR EVEN BETTER SUCCESS, ADD NANO-BIND® TO YOUR MANAGEMENT PROGRAM!**

*Recommended application:*  
10 gallons of Sludge Relief and 10 gallons of Nano-Bind 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 product label or consult your representative.



#### Useful Conversions for Total System Gallons:

$L \text{ (ft)} \times W \text{ (ft)} \times \text{Depth (ft)} = \text{Total Cubic Feet (ft}^3\text{) of system}$   
 1 Cubic Foot (ft<sup>3</sup>) = 7.48 gallons  
 Total Cubic Feet (ft<sup>3</sup>) X 7.48 = Total System Gallons  
 - OR -  
 Surface acreage (acres) X Depth (ft) = Total Acre Feet  
 1 Acre Foot = 325,851 gallons.  
 Total Acre Feet X 325,851 = Total System Gallons

#### Dosing Chart

Total Systems Gallons	1 ppm	5 ppm	10 ppm	15 ppm
2,000,000	2 Gal	5 Gal	10 Gal	15 Gal
1,000,000	1 Gal	5 Gal	10 Gal	15
750,000	3/4 Gal	3.75 Gal	7.5 Gal	10 Gal
500,000	1/2 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](http://montysplantfood.com), or call 800.978.6342.