

Manure Pit Treatment



BIO-SYSTEMS
INTERNATIONAL

Specifications

Form: Free-flowing granular powder
 Color: Brown
 Specific Gravity: 0.5 - 0.7
 Nutrient Content: Biological nutrients, stimulants & surfactants
 Plate Count: 5 billion per gram

Packaging

25 lbs. per plastic pail containing 4, 8 or 16 oz. water soluble packages.

10 kg. per plastic pail containing 250 g. water soluble packages.

Storage

DO NOT FREEZE! Store in a cool dry location. Do not inhale dusts, avoid excessive skin contact. SEE M.S.D.S.

Application Instructions

Units are packaged in water soluble pouches for direct addition to lagoon or manure pit at the following rates:

Add 10 kgs (or 25 lbs.) per month per 500 cows or 2000 pigs.

Application rates and locations depend on manure dimensions and current biological conditions.

Use in accordance with all Federal and State regulations. Results will depend upon site and climate conditions. Avoid extreme pH and temperature conditions.



If you have any technical questions, call the number below to speak with a certified BIO-SYSTEMS Bug Doctor!

“ I bought the product to reduce my odor, to be a good neighbor. I could not believe it when I pumped my lagoon out after just 6 months. Most of the solids were gone. ”

-Bart A. customer

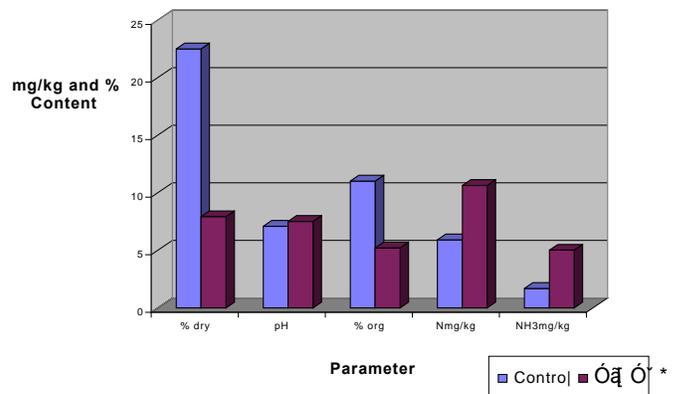


*Cattle Farms, Hog Farms
Manure Pits*

Case History 961

In 1996 a university study was conducted at a hog farm in Europe which housed 800 hogs and produced a waste volume of 600 m³. After a four week period BIO-SYSTEMS had successfully liquified the 10cm slurry to a far greater extent than the control. Also decreased organic content and increased nitrogen content and ammonia, all making for a better fertilizer value.

Composting of Pig Manure



	Control	BioBug
% dry	22.5	7.93
pH	7.1	7.52
% org	11.03	5.22
Nmg/kg	5.92	10.65
NH3mg/kg	1.7	5.02

Your local Distributor is:

The information presented in this Data Sheet is believed to be reliable. This information is provided as representative only and there are no warranties, expressed or implied, regarding its performance. Since neither distributor nor manufacturer has any control over handling, storage, use and application conditions, neither distributor nor manufacturer shall be responsible for loss, damage or expense arising out of or in any way connected with the handling, storage, or use of the product described. It is the customer's responsibility to use Bio-Systems products in a manner that does not infringe on local laws, regulations, and third party rights.d.



1-800-232-BUGS
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www.BIOBUGS.com

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BioBug MT contains a specially formulated liquid of adapted high-performance microorganisms and micronutrients developed for use in the biological digestion of animal wastes. As well as surface and penetrants.

The biological action of BioBug MT works on odor causing compounds by a process of hydrolysis and result is a much lower odor and reduced during storage, but after the has been spread on crop land.

Use of BioBug MT will also help to maintain a liquid slurry in the tank and prevents a build up of solids. Ultimately, this saves time and money because little or no mixing is needed prior to spreading.

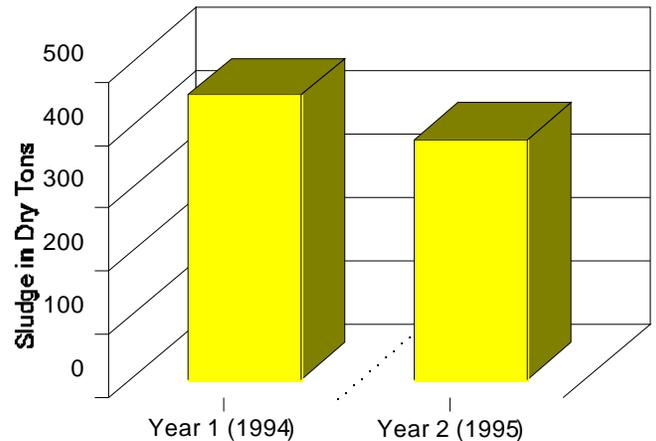
Furthermore, the microbes in BioBug MT cause nitrogen fixation creating a better fertilizer value. The nitrites and nitrates formed are a stable form of nitrogen readily available to crops.

Benefits of BioBug MT:

- Ensures rapid biological start-up
- Enhances and accelerates the biological digestion of animal wastes
- Reduces costs of manure pit maintenance and drainage
- Breaks up solids and decreases organic content
- Reduces formation of bad odors
- Improves overall quality
- Increases nitrogen content and ammonia, making for a better fertilizer value.

Sludge Reduction with BioBug

Sludge Reduction



When used as directed, BioBug MT is completely biodegradable, safe for people, clothing and the environment.

Our innovative water soluble packaging means BioBug MT is easy to use with no measuring of product necessary on site. All Bio-Systems products are ISO9001:2000 quality system certified and effective in helping to reduce sludge accumulations.

BIO-SYSTEMS TAKES YOUR RESULTS A STEP FURTHER!

BIO-SYSTEMS's slide photography program offers you a permanent, photographic reference and study of the biological activity, filamentous presence and floc characteristics of YOUR site. See your results on a whole new level!



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