

# M<sup>2</sup> manure magic<sup>®</sup>

*"ManureMagic works so well reducing solids in our lagoons, we just can't believe it!"* Area Manager, Top 3 Hog Producing Company

  
www.manuremagic.com

**ManureMagic<sup>®</sup> eats into solids, liquefies manure and reduces odors. With more manure available for agricultural use enhanced manure storage capacity, ManureMagic<sup>®</sup> translates to fast ROI.**

## **WHAT IS DRYLET'S ManureMagic?**

ManureMagic is a dry-to-the-touch powder formulated with patented Micro Bioreactor (MBR) particles seeded with mixed microbial cultures that turbo-charge the natural process of anaerobic digestion in lagoons. Every pound of product provides about 700,000 square feet of area loaded with billions of non-GMO beneficial microbes. Drylet's MBR particles provide bacteria with an ideal environment to reproduce at significantly accelerated rates, consuming and converting organic waste directly to gas and water.

## **HOW TO USE DRYLET'S ManureMagic?**

Simply apply the product to pits after each pumping or flush. The product can also be added evenly across the surface of the lagoon, most easily by boat. In case of crusting or solids on the surface, break the layer with a pipe in order to inject ManureMagic directly into the liquid below it.

## **WHY DRYLET'S ManureMagic?**

ManureMagic provides an innovative, user-friendly, eco-friendly, and significantly cheaper solids-removal alternative to the mechanical dredging of lagoons.

Manure from pits and lagoons can be pumped more easily and at a cheaper cost due to increased flowability and consistency. Consequently, higher volumes of manure can be made available for agricultural use, leading to expanded lagoon capacity.

ManureMagic also reduces hydrogen sulfide and odors up to 40% and 50% respectively, according to a Purdue University study. It helps keep neighbors happy throughout the year even when manure is being spread in the fields.

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## Case studies show significant sludge buildup reductions in lagoons treated with ManureMagic

### Case Study #1: floating solids disappear in 1 month

A large commercial hog operation was having lagoon troubles. Their main lagoon, which serviced five large barns with over 10,000 heads, was overrun with solids build-up. It was creating odor and fly issues as well as a sheen that attracted unwanted wildlife to the lagoon. Several commercial solutions had yielded no success. The solids, odor, flies, and sheen were all being caused by nuisance bacteria. Just 50 pounds of ManureMagic were applied at a few points around the lagoon and in the center. One month later, floating solids were nearly gone and the sheen had virtually disappeared.



Picture 1. Lagoon before ManureMagic application (February)



Picture 2. Lagoon after ManureMagic treatment (March)

### Case Study #2: 39% solids reduction in 120 days

In late May 2016, 125 pounds of ManureMagic were applied to the test lagoon fed by four hog barns at a major hog production company. One 11-oz scoop of ManureMagic was applied also to each of the barn's pits once a week after draining and cleaning. Lagoon sludge levels were measured at the same nine locations both in the treated and control lagoons after 37 and 121 days.

At the end of 37 days, levels of the lagoon treated with ManureMagic were down 10%, with each point falling between 6 inches and a foot. After 121 days, levels were on average 39% lower, with individual levels dropping between 18" to 30" (see Figure 1).

Over the same 120 days, levels of the control lagoon remained unchanged.



Figure 1. ManureMagic field trial compares two identical lagoons filled at 7-million gallon capacity at a major hog production company, for a 120-day period

**Come talk to us at the World Pork Expo 2017, Des Moines, IA**

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