

# Iowa State University Study

*"We found that treatment with manure magic® reduced solids content, foam stability, and resulted in an altered microbial community."*

(ISU Agricultural and Biosystems Engineering Department researchers **Dan Andersen** and **Caleb Polson** in 2017 study "**Evaluation of Potential Treatments to Reduce Foaming from Swine Manures.**")

The ISU study demonstrated **manure magic®** additive inhibits foam by up to 75% and enhances solids destruction by 33% in swine manure pits.

<https://www.drylet.com/isu-manure-magic-inhibits-foaming-swinemanure/>



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

- Currently used by 8 of the Top 20 swine producers in the US.
- **manure magic®** additive is a dry-to-the-touch, safe-to-handle, chemical-free product.
- Treats deep pits, flush systems with shallow pit and/or recirculation for washout, lagoons.
- Reduces odors and hydrogen sulfide up to 43% and 50% respectively, according to a Purdue University study.

## **M<sup>2</sup>** manure magic®



### OUR EXPERTS

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- Typically only 1 application needed (problem manure pits may require multiple applications in the first year).
- Prevents foaming when applied consistently.
- Easy to apply in pits and lagoons.
- Helps to reclaim pit capacity by breaking down heavy solids.
- Breaks down and liquefies manure for easy pump-out.
- Translates to fast ROI.

[www.manuremagic.com](http://www.manuremagic.com)

# Deep pit treatment procedure

## Routine annual maintenance dosing

1. Add **manure magic**<sup>®</sup> additive after finisher rotation and pump-out.
2. Be sure to leave about 6 to 12 inches of manure slurry in the bottom of the pit.
3. Apply **manure magic**<sup>®</sup> additive in dry form and water it in.
4. Wait at least for 48 hours after using disinfectant before applying **manure magic**<sup>®</sup> additive.
5. Do not use disinfectant after applying **manure magic**<sup>®</sup> additive.

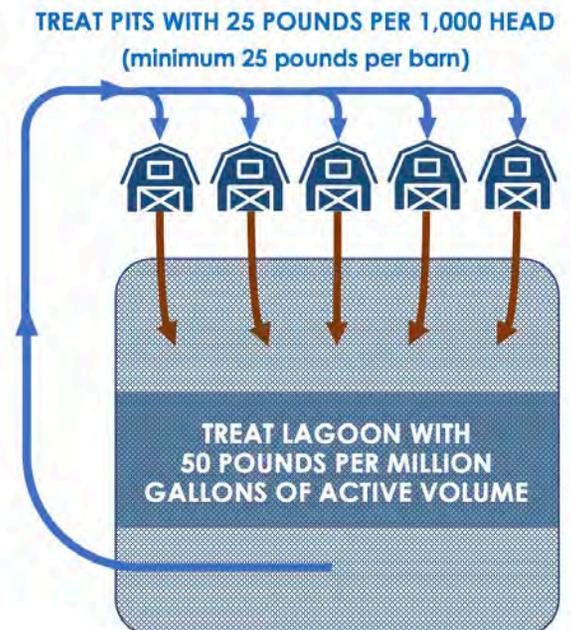


## Heavy solids treatment plan

1. Add **manure magic**<sup>®</sup> additive after finisher rotation and pump-out.
2. For heavy solids build-up, make sure to break the crusting layer using a PVC pipe and water **manure magic**<sup>®</sup> additive in.
3. This can be achieved by adding water to the dry product and pouring into the top end of the PVC pipe.
4. You will need to use 2 to 3 times the maintenance dose.
5. Wait at least for 48 hours after treating the barn with disinfectant before applying **manure magic**<sup>®</sup> additive.
6. Do not use disinfectant after applying **manure magic**<sup>®</sup> additive.

# Initial treatment for flush systems

1. After first wash-out using lagoon recirculation, leave about 6 to 12 inches of lagoon effluent for the next cycle of manure.
2. Apply **manure magic**<sup>®</sup> additive from the bank of the lagoon.
3. Lagoon treatment can be accomplished from the bank, but best results are achieved by applying the product across the entire surface of the lagoon.



Well-maintained manure pits require just one application per year, saving you money and capturing your ROI through reduced pump-outs/wash-outs.