

## It's the Pits

### Manure odors, why the fuss?

#### Multiple Issues

Manure odors from pits, lagoons and field applied manure are a concern for several reasons. Deteriorating neighbor relations, reduced animal performance and health risks, or even death of animals and humans are the result of uncontrolled odors.

Did you know that during the manure-decomposing process more than 40 gases are produced? These gases present potential threats to animal and human health and productivity.

#### Odors can be Costly

For example, according to Iowa State University, continuous exposure to as little as "20 ppm (parts per million) ammonia causes decreased disease resistance." Other sources document that constant exposure to ammonia, even at minimal levels, decreases the animal's immunity to respiratory diseases such as rhinitis and chronic pneumonia. Studies have also shown that ammonia can reduce an animal's appetite, which yields slower gains.

Another pit gas of concern, hydrogen sulfide, can kill an individual after one or two breaths in concentrations of above 600 ppm, according to Michigan State University.



Sow and piglets

#### Affordable Control is within Reach

Whether noxious to the neighbors, detrimental to health or just plain deadly, the issues surrounding pit gases are real, but they can be controlled.

ProfitPro has the solutions to pit gases, manure solids and other manure issues. You can either treat your pits and lagoons yourself with the Microbe-Lift products or we can treat and monitor your pits and lagoons for you. Read more below.



**Dr. Jim Ladlie** will be one of the speakers on the **FREE Manure Management Teleconference** scheduled for October 7, 2010 from 8 to 9 pm CDT.

He will talk about how to keep manure under control, stop gasses and odor, and how to properly handle your pits/lagoons with ProfitPro's manure technology and services.

Don't miss this opportunity to learn more about manure handling.

For more information, go to [www.profitproag.com](http://www.profitproag.com)

## Added Value

### Manure Management Service Benefits

ProfitPro's Manure Management Service (MMS) is part of the Full-Circle Animal, Manure and Soil-Plant System™. The MMS is an annual contract to manage manure. The service cost is based on the amount of manure generated in a containment unit or operation. The technology used includes manure bioaugmentation additives. Probiotic feed additive can be added.

#### MMS Benefits:

- Annual investment
- Monthly teleconference call
- Scheduled service
- Educational meetings
- Monthly newsletter
- Manure management hotline (1-888-875-2425)

Check-out **Manure Management Service** at [manure.profitproag.com](http://manure.profitproag.com)

#### MMS Investment:

Liquid manure treatment cost is based on total pit/lagoon capacity.



## “Can we talk??”

“I don’t think **Your Manure Pit Additives** are doing their job.

“You definitely have **manure issues**.  
Trust me. I live here remember?”

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Odor/Flies      | <input checked="" type="checkbox"/> Loss of Pit Capacity |
| <input checked="" type="checkbox"/> Solids/Crusting | <input checked="" type="checkbox"/> Lethal Gases         |
| <input checked="" type="checkbox"/> Foaming         | <input checked="" type="checkbox"/> DDG Problems         |

“How would you like to **live in those conditions?**  
I didn’t think so.”

**“Let ProfitPro help.”**

*Polly the Pig*

Ask about our annual “Manure Route” Service Plan



Polly the Pig™. Photo by ProfitPro, LLC

ProfitPro, LLC  
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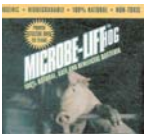


### Up Coming Event

#### World Dairy Expo - Madison, WI

September 28-October 2, 2010, See us at Booth #5007

#### Microbe-Lift/Hog



Microbe-Lift/Hog contains Purple Sulfur, Non-Sulfur and Green Sulfur Microorganisms that are widely desired for manure storage related issues and problems.

Microbe-Lift/Hog utilizes novel technology that enhances anaerobic function critical to manure storage related issues and problems with the following attributes: reduces surface & bottom solids, provides a consistent manure slurry from first to last load, enhances manure fertilizer value, reduces manure mixing at time of draw down, and reduces barn and land application odor.

### Question & Answer

***By using ProfitPro’s manure technology, can I get rid of odor and gasses?***

Yes, ProfitPro’s manure technology is formulated to break down solids which reduces most of the gases and odors.

See testimonial below.

After I applied ProfitPro’s pit additive to my barn, I saw an increase in activity and noticed, after a few weeks, that the odor had been significantly reduced.

—Northwest Iowa Hog Producer