



Pit Treatment

THE *TerraMax PT*[™] ADVANTAGE

- ✧ **Liquifies solids for ease of pumping**
- ✧ **Reduces ammonia odor level**
- ✧ **Lowers ammonia/raises organic nitrogen in manure**
- ✧ **An economical treatment**
- ✧ **Easy to apply**



15 Million Gallon Lagoon - SD

Treatment Rate:

1 gallon per 100,000 gallons pit volume

Recommendations:

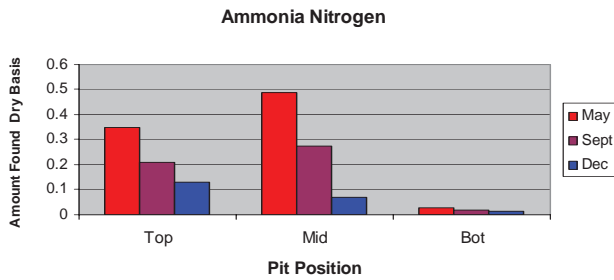
Conventional watering systems apply quarterly.

Wet/Dry feeding systems apply quarterly.

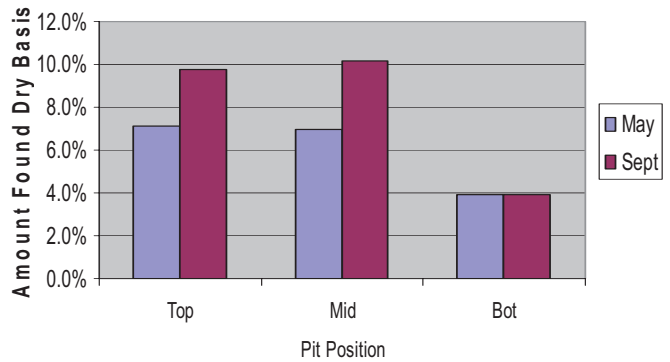


MicroPT™ Pit Study – Linn Grove, Iowa Data

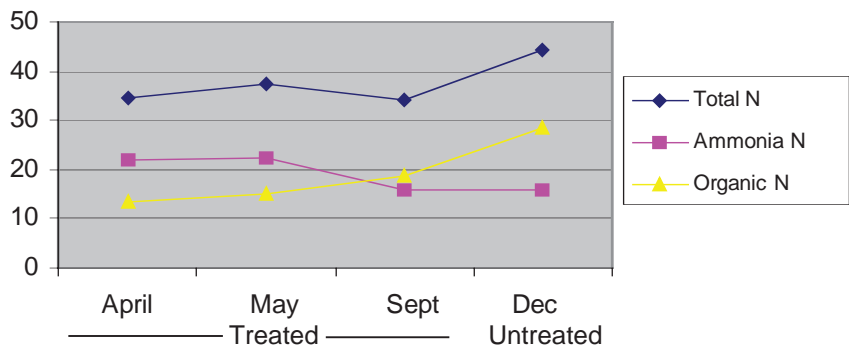
Reduction in Ammonia



Organic Nitrogen



MicroPT™ Organic N Impact



	Nitrogen # / 1,000 Gals	
	Ammonia	Organic
Beginning	21.8#	13.0#
Ending	16.0#	28.0#

Conclusion:

- MicroPT™ reduces ammonia and increases organic nitrogen
- Ammonia smell reduced as a result
- Organic N is stable form

Solids Reduction

Linn Grove, Iowa
Slat House

Pit Volume
Solids accumulation
Reduction after 18 months

100,000 Gallons
Three Feet
Down to 6"

Newell, Iowa
Slat House

Pit Volume
Solids accumulation
Treated November 2002
Reduction in Spring 2003

400,000 Gallons
Two Feet
Down to 6"

Jolley, Iowa**
Pull Plug Lagoon

Lagoon Volume
Solids accumulation

2 Million Gallons
3 to 4 Feet

**Comments: This lagoon had a crust develop after treatment. The solids were coming up from the bottom of the lagoon. After treatment continued, the solids liquefied and the crusting disappeared.