

# MANURE MUNCHING MICROBES<sup>®</sup>

*Crop irrigated  
with lagoon water  
treated with  
Pro-Act's  
microbes.*



## CREATE A GENTLE, FAST-ACTING FERTILIZER



*Crop on same  
farm irrigated  
with untreated  
lagoon water.*



*Our microbes turn  
your manure into a  
gentle-time-released  
fertilizer.*



1-800-772-3775  
[www.ProActMicrobial.com](http://www.ProActMicrobial.com)

**Pro Act. Proven Results.™**

Troy, PA



*“It’s the tallest corn  
we’ve ever had!”*

Troy, PA-- A farm in Pennsylvania began using our Manure Munching Microbes® to help deal with their manure challenges. They’ve been impressed with the reduction of odor and solids in their lagoon. The treated flush water has also been cleaning their barn floors better than ever. They really weren’t expecting more than that.

“We thought that was the biggest benefit we’d see. We irrigated the corn field after we planted and went on about our business. Half way through the season we noticed it was taller than other fields, and then it just kept on going toward the sky. We have to think that the treated manure made the difference, because we didn’t do anything different than we usually do.”

In fact, this year’s crop is the tallest corn they’ve ever had. After chopping and harvesting, the bunkers are full, and they have corn to spare. It’s quite a crop, considering the lack of rain. Their alfalfa crop is also doing well.

This farm has personally witnessed yet another benefit of using Pro-Act Microbial. With Pro-Act’s treatment, organic nitrogen is converted to an inorganic nitrogen--ammonia. Inorganic nitrogen such as ammonia is a preferred fertilizer as it can be readily taken up by the plant, while organic nitrogen needs to undergo microbial conversion in the soil to be useful to the plant. The advantage of Pro-Act’s treatment is that most of the ammonia will stay in the manure water as ammonium ions, rather than evaporate to the air. This is because manure treatment also produces carbon dioxide. The carbon dioxide will dissolve in water to form bicarbonate ions that can act as counter ions for ammonium. The end result is less volatilization of ammonia to the air and increased and improved fertilizer to the farmer.

#### **Pro-Act increases the fertilizer value of your manure by:**

- Converting organic nitrogen to inorganic nitrogen (ammonia).
- Stabilizing the ammonia so less is going to the air.
- Stratifying the nutrients, giving you options when applying manure.

Contact Pro-Act Microbial to find out how our system will not only improve your manure management, but provide an excellent fertilizer that gives your crops a real boost.



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