

# UNIVERSITY RESEARCH SUMMARY

## DryLet M2® (*ManureMagic*) HYDROGEN SULFIDE/ODOR REDUCTION STUDY

In July 2015, a study was conducted by Dr. Al Huber, Agricultural and Biological Engineering Department, Purdue University.

The objective of this study was to evaluate DryLet's M2® (*ManureMagic*) efficacy in reducing H<sub>2</sub>S and odor from swine manure under controlled lab conditions.

Key conclusions of the study were as follows:

1. *ManureMagic* significantly ( $P < 0.05$ ) reduced odor release by 43% on day 24 of the test.
2. The best *ManureMagic* performance was obtained with the recommended rate of application, achieving a reduction of hydrogen sulfide (H<sub>2</sub>S) relative to the controls of about 50% after 24 days.
3. There was about 10% less ammonia (NH<sub>3</sub>) observed in manure treated with *ManureMagic*.
3. *ManureMagic* had no observable effect on manure fertilizer value.