

# TECHNICAL INFORMATION

## ASI PIT HAMMER Odor Control Trial

### Trial Purpose

A trial was conducted at a hog production facility in Iowa to determine the effectiveness of ASI's proprietary bacterial cultures for reducing odors caused by ammonia and hydrogen sulfide.

The test was performed in two identical barns. One barn was treated with ASI's scientifically selected bacterial cultures and the other barn was left untreated for comparison.

Each barn contained 1,000 hogs with a waste pit under the barn (no lagoons). Each pit measured 40' x 200' x 10'.

The test commenced immediately following the annual pumping of the waste pits.

### Dosing

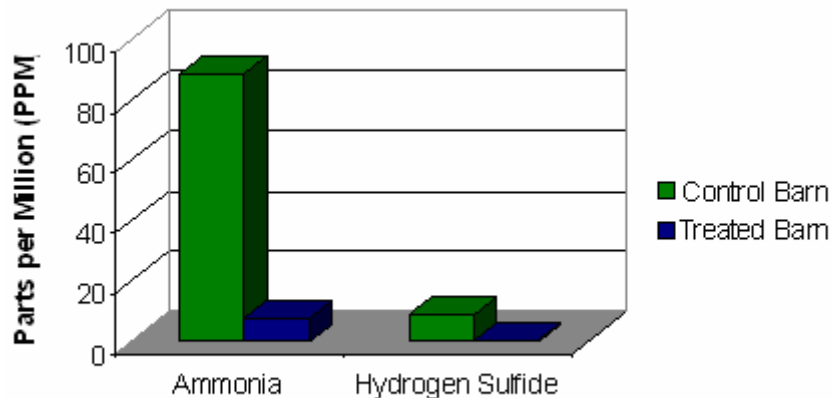
The test site was treated weekly with 25 pounds of a 4 billion CFU/g ready to use product made from ASI's highly concentrated powder Swine Waste Digester.

### Testing

Ammonia and hydrogen sulfide levels were tested after six weeks of application with a Sensidyne tube collector. The tube collector was suspended 1.5 feet below the floor for 1.5 hours.

### Results

As shown in Figure 1, the ammonia and hydrogen sulfide levels were reduced by 90% in the barn treated for 6 weeks with ASI's bacteria.



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