

## Comparison of Bioactivated Base **actosol**<sup>®</sup> on Field Corn at Cave Hill Dairy Farm in Troutville, Virginia



A field test was conducted at Cave Hill Dairy Farm in Troutville, VA owned and operated by Jerry and Jeff Henderson. A 14 acre field was planted in May of MYCOGEN PMF-918 seed corn. Fertilizer applied was 3600 gallons of manure, 125 lbs per acre of 50-10-10 in the row and 30 gallons of liquid Nitrogen solution (30-0-0) along with Princep and Gramoxone broadcast over the whole field. On 4 acres of the field a ½ rate of Bioactivated Base **actosol**<sup>®</sup> was put down with the liquid Nitrogen and the herbicides. A second application over the top was made over the whole field with 40 more units of nitrogen using Coran.

The results were as follows:

Yield for the control was 19 tons per acre.

Yield for the **actosol**<sup>®</sup> treated 4 acres was 19.6 tons per acre.

With ensilage having a retail value of \$80.00 per ton this equates to \$48.00 worth of extra ensilage to the grower. The cost of the **actosol**<sup>®</sup> to the grower was \$9.56 per acre giving a return on investment of 4-1 or 400%. This was fertile bottom land with a high rate of organic matter and the **actosol** still paid off. Cave Hills Dairy Farms is under a nutrient management plan and they are limited to how much Phosphorus and Potassium they can legally put down under government regulations which would make it great place to use **actosol**. **actosol**<sup>®</sup> activates the Phosphorus & Potassium that is already in the ground making it available to the plant.

Cave Hill Dairy is going to use **actosol** on all of their corn fields