

COTTON

Crop Product Summary

KEY PRODUCTS

Huma Burst® 1-3mm—Granular 60%-70% humic/fulvic acid for healthier soil and sustainable plant growth.

Zap®—Promotes strong, diverse soil biology.

Super Phos®—50% liquid phosphate; foliar or soil applied.

Max Pak®—A balanced, stable source of 8 important micronutrients (S, B, Co, Cu, Fe, Mn, Mo, and Zn).

Breakout®—Stimulates bud initiation, flowering, and fruit set (see *Field Trial at right*).

Jackpot®—Promotes sizing and maturity of crops.

Huma Gro® liquid products with Micro Carbon Technology® are:

- More efficient than conventional products.
- Designed to quickly provide nutrients when needed.
- Applicable via a variety of methods.
- Easily mixed with other products.
- Ultra-concentrated to reduce storage space.

COMPLETE PRODUCTS LIST

For a complete list of Huma Gro® products that can help you grow **premium cotton**, along with product documentation and application growth stages and rates, go to

www.humagro.com/cotton

or follow the QR code below:



FIELD TRIAL

This field trial in Tennessee assessed the effects of 3 foliar applications of Huma Gro® **Breakout®** at different growth stages.

Table 1. Treatments, Products, and Growth Stages

Treatments	Date: 06/26 Growth Stage: PHS Products/ac	Date: 07/10 Growth Stage: PHS + 2 weeks Products/ac	Date: 07/24 Growth Stage: PHS + 4 weeks Products/ac
Control	Grower's Standard	Grower's Standard	Grower's Standard
Huma Gro®	1 qt Breakout®	1 qt Breakout®	1 qt Breakout®

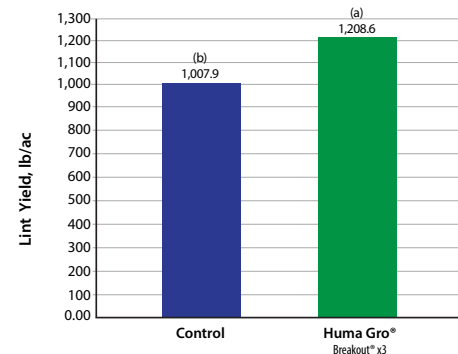


Figure 1. Total Cotton Lint Yield per Acre (pounds), Control vs. Huma Gro® Breakout® x 3 Applications. Treatments were significantly different (P = 0.05).

Conclusions

Based on the data collected in this trial, the Huma Gro® Breakout® treatment (1 qt/acre at 3 growth stages) resulted in the highest cotton lint yield at 1,208.6 pounds per acre and the highest cotton seed yield at 3,099.03, both representing a **yield increase of 20%** over the control. Factoring in the application cost and a lint increase of 200.7 lb/ac over the control, with a market price of \$0.72/lb this results in a net return-to-the-farm increase of **\$144.50 per acre**—a return on investment (ROI) of **702.78%**.



All liquid Huma Gro products contain Micro Carbon Technology®, a proprietary blend of extremely small (nano-sized) organic carbon- and oxygen-rich molecules that act as a source of carbon and provide an ultra-efficient vehicle to move nutrients and other molecules into the plant through the soil and/or the leaves.