



MicroEssentials® S10® — Cotton Study



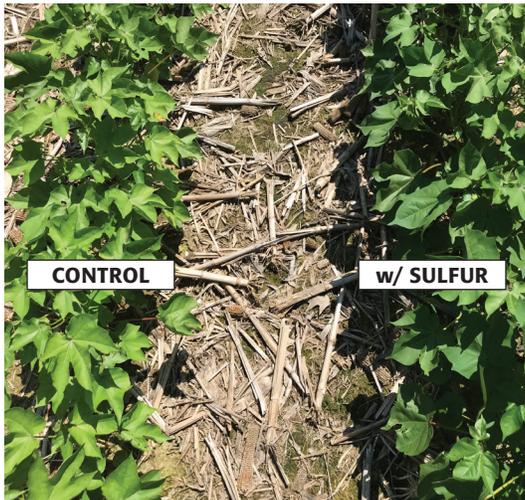
Objective

- Evaluate the yield response of cotton to DAP (18-46-0), DAP + AS (21-0-0-24S), and MicroEssentials® S10® (12-40-0-10S).

Overview

- Diammonium phosphate (DAP) is a common phosphorus source used on cotton.
- University research highlights the need for sulfur (S) management on cotton and the importance of season-long availability (See Figure 1).
- MicroEssentials S10 supplies multiple nutrients fused into one nutritionally balanced granule, promoting uniform nutrient distribution, increased nutrient uptake, a season-long S availability and higher yields.

Figure 1



Trial Details

Locations and Crop Management:

CROP: Cotton (*Gossypium hirsutum* L.)

YEARS: 2016-2018

LOCATIONS: 12 trials across 5 states - GA, MS, NC, SC, TN

DATA SOURCE: Field studies conducted by independent third-party researchers.

EXPERIMENTAL DESIGN: Small-plot RCBD with 4 replications.

Cropping conditions: All trials conformed to local cropping practices

P Rate: 50 lbs P₂O₅/ac applied as DAP (18-46-0) or MicroEssentials S10 (12-40-0-10S)

S Rate: 12.5 lbs S/ac from AS or MicroEssentials S10

Application Timing: Spring Preplant

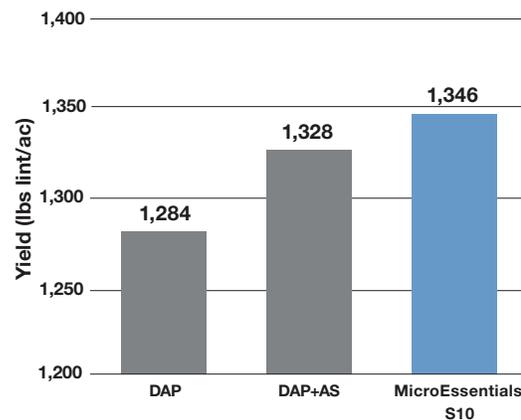
Application Method: Broadcast incorporated

62 lbs
 lint/ac

Increase with
 MicroEssentials S10 over DAP

Results

Cotton Yield Response



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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

For more information, go to MicroEssentials.com.
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Summary

- MicroEssentials S10 increased cotton yield by 61 lbs lint/ac over DAP and 18 lbs lint/ac over DAP+AS.
- The results show that while lint yields increased with the addition of sulfate-sulfur, even better yields can be achieved when a season-long supply of S (sulfate + elemental) is provided.
- Higher cotton yields achieved by using MicroEssentials S10 demonstrates the value of uniform nutrient distribution, increased nutrient uptake, and season-long S availability.
- Access additional yield data, ROI calculators, and resources at MicroEssentials.com/Performance.