

**BENEFITS OF CROP MONITORING SYSTEMS  
FOR EVALUATING COTTON PLANT  
GROWTH REGULATORS**

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**Abstract**

A study was conducted in West Tennessee under dryland conditions evaluating the impact of Pix compared to Mep+ on cotton growth, development and yield. All management treatments applied other than the evaluated products were standard University of Tennessee recommended practices. The study had three reps with 10 acres per plot. All spray applications were made with ground custom application equipment at 10 gpa. Plots were harvested with standard spindle harvest equipment with twice over harvest. One full trailer or module was harvested per plot. The area harvested was measured after harvest to determine yield. Lint yield was determined following ginning.

Mep+ (705 lbs./A) compared to Pix (509 lbs./A) numerically increased yield by 196 lbs. Mep+ increased bolls/foot 44% with Pix at 17.72 and Mep+ at 31.17. However, there was a boll size decrease of 18% for the Mep+ compared to the Pix.