IN-FURROW CORN STARTER TRIAL

SGS Research North America

Wyoming, IL

SUMMARY

An in-furrow study involving 6-20-4 fertilizer with the addition of L-CBF BOOST was conducted at SGS in Wyoming, Illinois. The study included the evaluation of seven distinct fertilizer treatments within a six-replicated complete block trial. Several variables were examined, including stand count, plant height, biomass, the number of rows per ear, kernels per row, and various harvest data metrics.

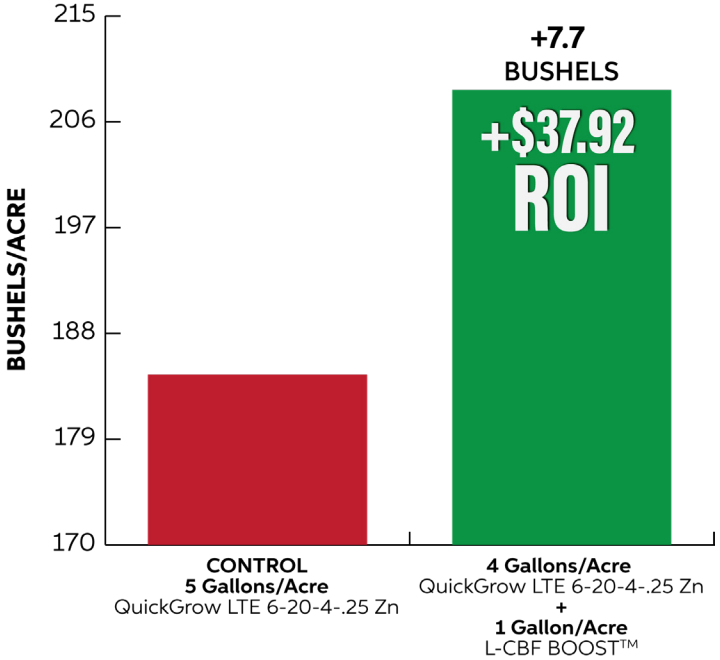
The first-year findings provided compelling evidence that plants treated with L-CBF BOOST exhibited higher average yields compared to those treated with 6-20-4 alone. Enhancing early-season growth in corn brought forth a range of advantages, such as quicker canopy coverage, reduced weed competition, diminished soil evaporation, and lower moisture levels at harvest. Particularly noteworthy was the significant reduction in grain moisture at harvest in corn treated with a combination of 4 gallons of 6-20-4 and 1 gallon of LCB BOOST, in contrast to the application of 5 gallons of 6-20-4 alone. This suggests that corn treated with L-CBF can be harvested earlier in the season, requiring less post-harvest grain drying.

Furthermore, the data revealed that the 6-20-4 plus LCBF-BOOST treatment demonstrated a substantial $37.92 advantage in return on investment (ROI) and a remarkable +7.7 bushel per acre yield advantage over the Control treatment.

The combined use of in-furrow placement for L-CBF BOOST and the 6-20-4 starter significantly enhanced the initiation and overall crop growth development, compared to the Control treatment, which consisted of 5 gallons of 6-20-4 with 0.25% zinc applied in-furrow. Importantly, all treatments received a base fertilizer program, which included Urea (435 lbs), MAP (100 lbs), and Potash (180 lbs), to support and supplement the study's findings and outcomes.

In-Furrow Corn Starter Research Trial

Corn Yield



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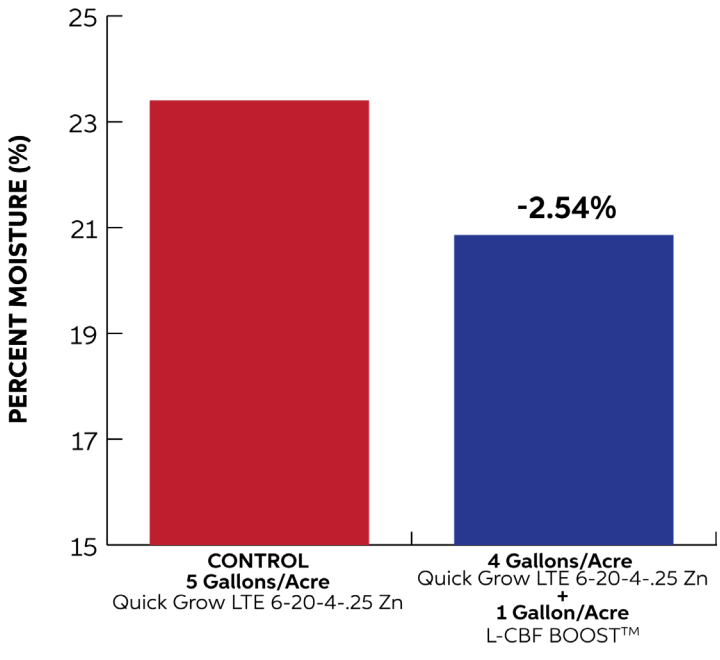
Percent Moisture (%)



****ROI was based on a corn price of $4.75 per bushel.**

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*Results may vary. Always perform a jar test before application.