

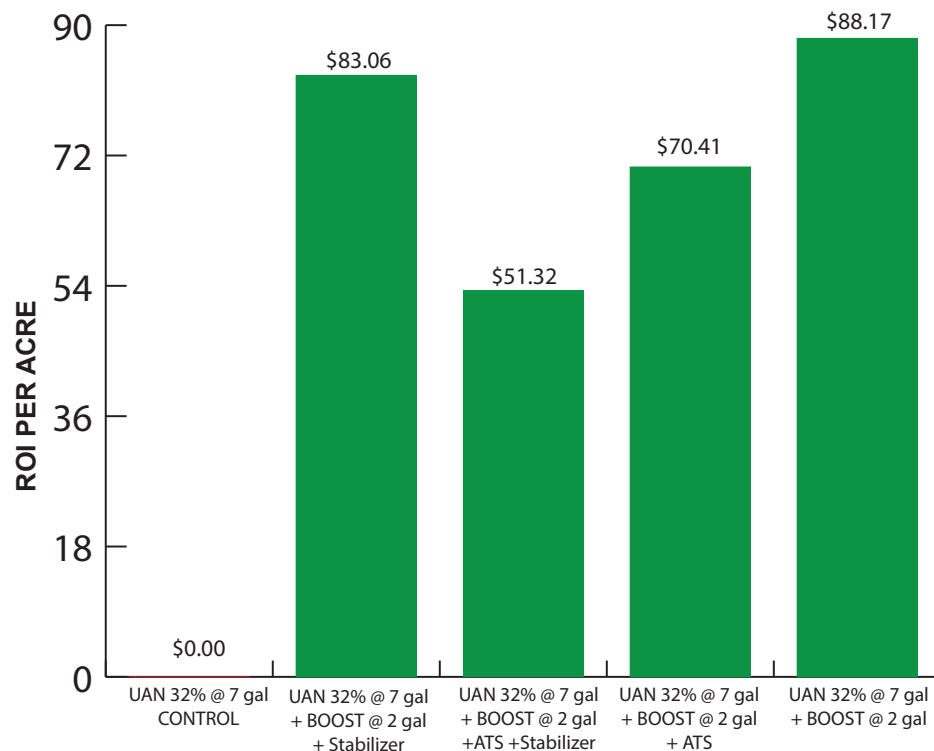
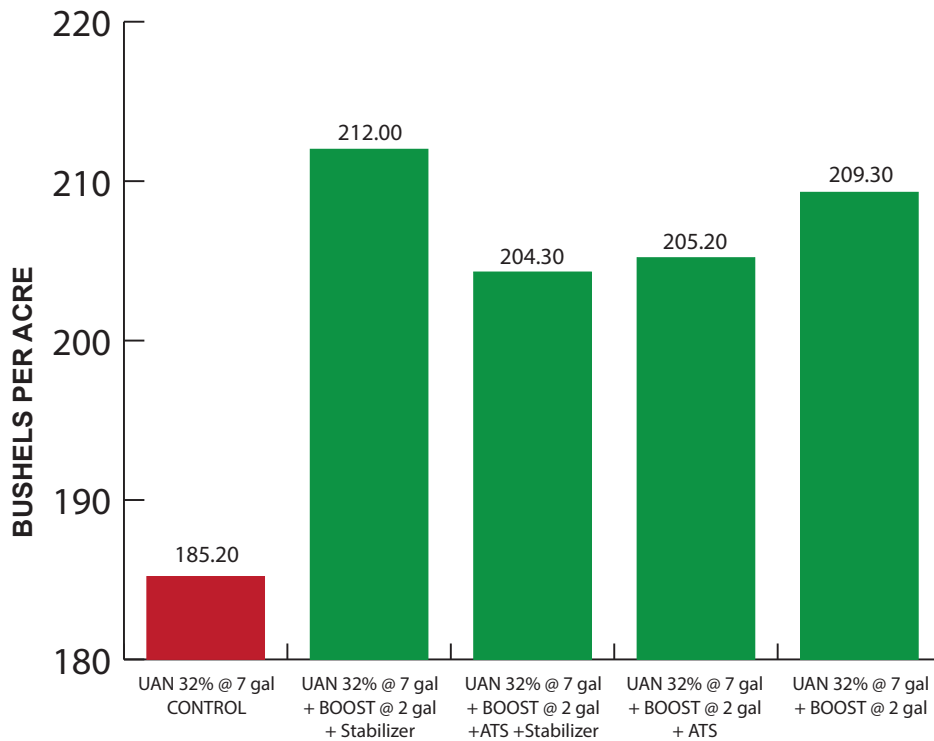


BANDED NUTRIENTS WITH BOOST

2X2 CORN STARTER FIELD TRIAL

PRECISION AG RESEARCH | CLARION, IA

RESULTS



SUMMARY

Another consecutive win for L-CBF BOOST in a follow up 2x2 corn starter field trial at a different location and region. Conducted by another independent research company, Precision Ag Research in Clarion, Iowa, proved again the addition of BOOST positively affects yield, better Nitrogen Use Efficiency, and more profitability. The objectives for this field trial were to evaluate if BOOST placed in a band of liquid fertilizers at 2x2 placement with UAN 32%. This trial demonstrated improvements in yield (+24 bushels yield advantage) and ROI (+\$88.17 with a Net BOOST Treatment Cost of \$6.50/acre). Also, the study compared BOOST in other combinations with Ammonium Thiosulfate (ATS) and Nitrogen Stabilizer (urease inhibitor) treatments in the 2x2 band of UAN 32%. Another observation that was made in this trial is that ATS and Stabilizer did assist in yield and ROI advantages, and synergies were realized with BOOST a cross all combinations. Treating the UAN with 2 gal per acre of BOOST once again led the field in net profit and clearly carried improvements of other products tested. In addition to yield and profitability, significant differences (LSD \leq P 0.10) were observed in plant heights at V8, VT, and R6 growth stages. The pre-plant protocol spread 100 units of nitrogen from Urea and all treatments also received additional bulk spread dry fertilizer with MAP (50 lbs./acre) and Potash (180 lbs./acre). The yields harvested ranged between 185 – 228 bushels per acre. The planting date was 04-25-2020 and the harvest date was 11-16-2020. Placing more nutrients in a band to improve efficiencies is receiving more attention in crop production. Even in a banded fertilizer placement Nitrogen Use Efficiency can benefit from an inclusion of L-CBF BOOST. Taking a carbon-based approach (using L-CBF products) that works with biology rather than inhibiting the nitrogen cycle has been proven by QLF Agronomy Research across many trials, regions, and years as a positive agronomic and soil health solution. This 2x2 banded corn starter field trial is no exception and mirrors many other trial results, enhancing crop performance and nutrient availability. Supporting healthy microbial activities and assisting in the completion of nutrient cycling is why QLF's Liquid Carbon-Based Fertilizers are the best recipe for safely improving the recovery of these concentrated nutrient placements

RETURN ON INVESTMENT

\$88.17/ACRE

*ROI figured on \$3.92 bu corn.

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