

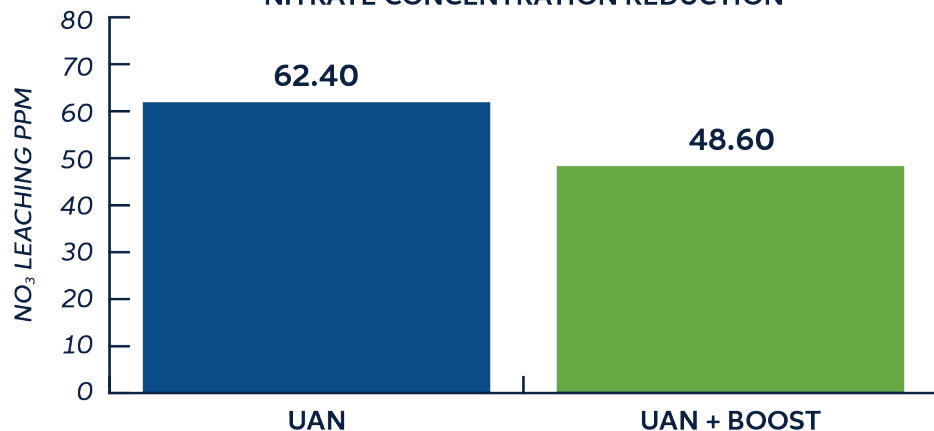
RT-6521

CORN YIELD & NITRATE LEACHING STUDY

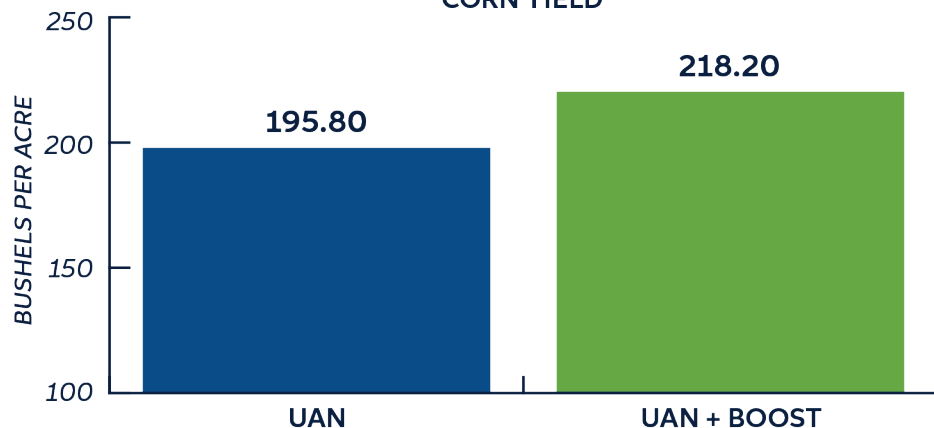
Martinsville, IL

Broadcast N	Planting Date	Side-Dress N	Total N Applied
May 10th	May 12th	June 8th	
40 GPA UAN 28%		40 GPA UAN 28%	238 LBS N
36 GPA UAN 28% 4 GPA BOOST		36 GPA UAN 28% 4 GPA BOOST	216 LBS N

NITRATE CONCENTRATION REDUCTION



CORN YIELD



-22%
NITRATES

-20 LBS
APPLIED N

+22
BUSHEL

Soil. Service. Solutions.

QLF Agronomy · 800.236.2345 · www.qlfagronomy.com

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

L-CBF RESEARCH TRIAL



SUMMARY

A Corn Yield and Nitrate Leaching Study along with soil health and microbiology measurements were performed at an independent research station in Martinsville, Illinois in 2020. The objective of the study was to verify if QLF's (Liquid Carbon-Based Fertilizer) L-CBF BOOST™ with Urea Ammonium Nitrate-UAN will decrease nitrate (NO₃-) leaching in field tile drainage water along with making nutrients readily available for the corn plants to uptake and gain yield advantages. Liquid nitrogen was applied both pre-emerge broadcast and post-emerge at V5 side-dress with Y-drop. This study compared rates of two applications at 40 gallons per acre of UAN 28% to rates of 36 gallons per acre of UAN 28% + BOOST at 4 gallons of per acre. The L-CBF BOOST treatments used 20 lbs. less (9% less) applied nitrogen per acre and demonstrated twenty-two percent reduction in NO₃-leaching concentrations while gaining a twenty-two bushel per acre (12% more) increase in corn yield.

BOOST ADVANTAGE
+7.1/ACRE NET RETURN

QLF
Agronomy

