



Nitrogen Source and Timing in Corn - 2019

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Experiment Info:

Planted:	5-9-2019
Harvest:	10-25-2019
Yield Goal:	200 bu/a
Target Fert.:	200-30-6
Variety:	
Population:	
Row Width:	30"
Prev. Crop:	soybean
Plot Size:	10' X 50'
Replications:	2 - 4

Soil Test Values (ppm):

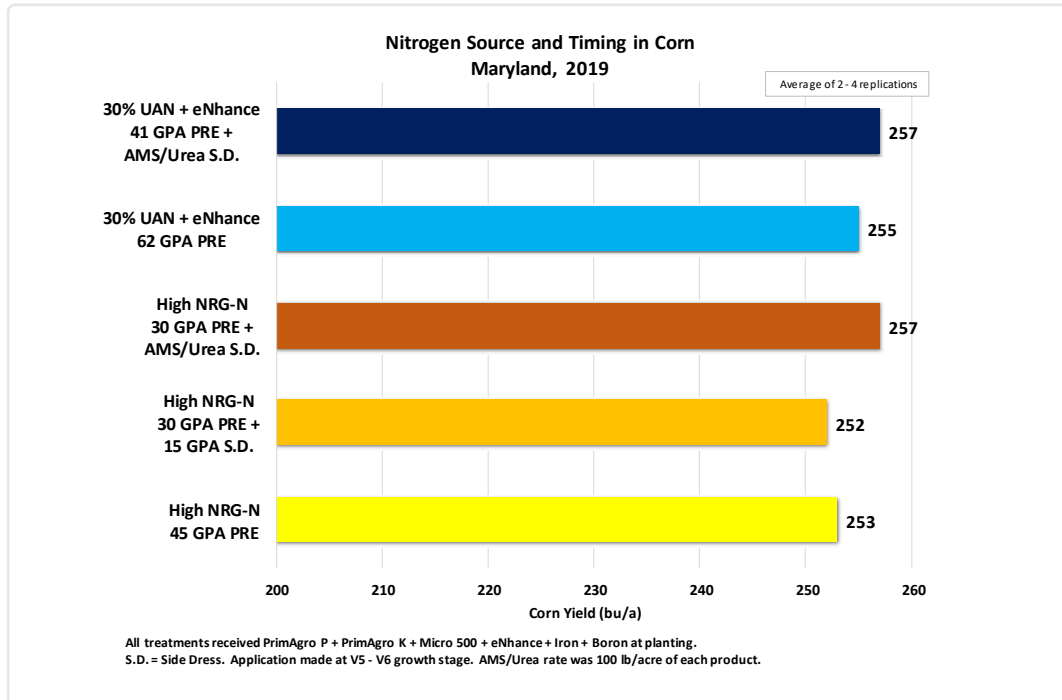
pH:	6.9
CEC:	7.2
%OM:	3.5
Bray P1:	84
Bicarb P:	
K:	168
S:	11
%K:	6
%Mg:	13.9
%Ca:	78.5
%H:	1.4
Zn:	3.4
Mn:	158
B:	0.4

Objective:

Compare the performance of High NRG-N, 30% UAN + eNhance, and combinations with Urea + AMS in corn.

This trial was designed to demonstrate the value of a complete preemergence nitrogen program vs. split nitrogen program using High NRG-N or 30% UAN + eNhance. Also included in the trial were combinations with Urea + AMS (100 lb product each) applied at sidedress. Sidedress applications were made at V5 - V6.

All plots received PrimAgro P 2.5 GPA + PrimAgro K 3 GPA + Micro 500 0.5 GPA + Boron 0.125 GPA + eNhance 0.25 GPA + Iron 0.25 GPA. A total of 200 lb/a N was applied to all plots.



Conclusions:

- Corn yield ranged from 252 - 257 bu/acre across the trial, and no practical differences in performance of High NRG-N at 45 GPA vs. 30% UAN + eNhance at 62 GPA.
- Combinations of liquid nitrogen products applied preemergence with Urea + AMS applied at side dress provided 2 - 4 bu/a advantage over preemergence only treatments.