



Nitrogen source comparison in Corn (16-714)

Experiment Info:

Planted:	5/9/2016
Harvest:	10/25/2016
Yield Goal:	175 bu/A
Target Fert.:	193-80-63
Variety:	DKC 53-68 RIB
Population:	32,300
Row Width:	30"
Prev. Crop:	Soybeans
Plot Size:	15 x 210
Replications:	4
SD (V5)	6/6/2016

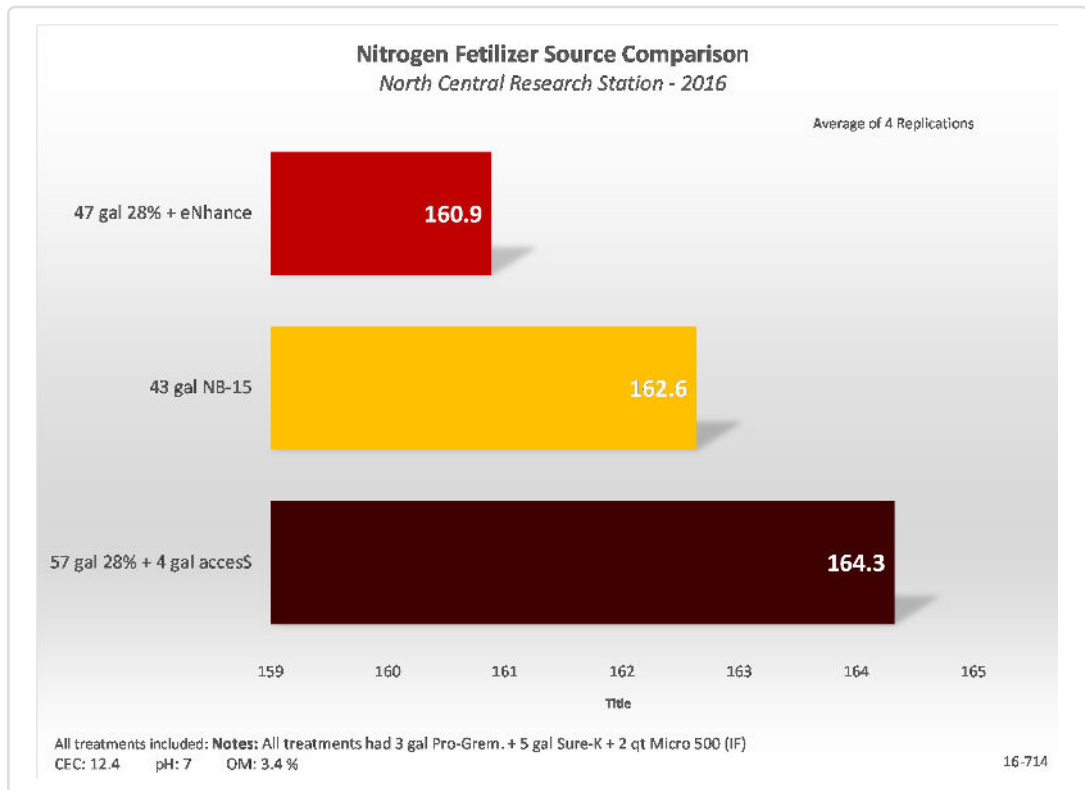
Soil Test Values (ppm):

pH:	6
CEC:	11.4
%OM:	2.3
Bray P1:	12
Bicarb P:	
K:	106
S:	24
%K:	2.4
%Mg:	17
%Ca:	64.8
%H:	14.8
Zn:	.7
Mn:	7
B:	.5

Objective:

Compare the performance of several AgroLiquid nitrogen sources for effects on corn yield.

In this experiment, three nitrogen treatments were compared and all received the same planter fertilizer treatment. The target N rate from sidedress was approximately 175 lb/A. Two of the sidedress treatments were applied at reduced rates: the 28% + eNhanse was applied at 47 gal/A and the experimental product NB-15 applied at 43 gal/A. Unfortunately, a treatment of 28% UAN alone at the 57 gal/A rate was not included in this experiment, but such comparisons are part of other reports targeting N comparisons.



Conclusions:

- With the hot dry summer, all treatments yielded lower than the 175 bu/A yield goal.
- The experimental product NB-15 yielded nearly 2 bu/A higher than the standard nitrogen application of 28% + eNhanse at a lower volume per acre.
- As seen in the past 5 years of this experiment, although only this years data is shown here, 28% with accesS continues to provide the highest yield with 164.3 bu/A.