



Nitrogen Sources in Corn Frankfort, IN

Experiment Info:

Planted:	5/19/2015
Harvest:	10/5/2015
Yield Goal:	180 bu
Target Fert.:	180-60-60
Variety:	AgriGold 6533
Population:	36,000
Row Width:	30
Prev. Crop:	corn/soybea
Plot Size:	30 X 800
Replications:	2
Planting:	5/19/2015
Joint:	6/20/2015

Soil Test Values (ppm):

pH:	6.9
CEC:	21.7
%OM:	3.4
Bray P1:	12
Bicarb P:	0
K:	122
S:	12
%K:	1.4
%Mg:	22.3
%Ca:	76
%H:	0
Zn:	0.7
Mn:	2
B:	0.5

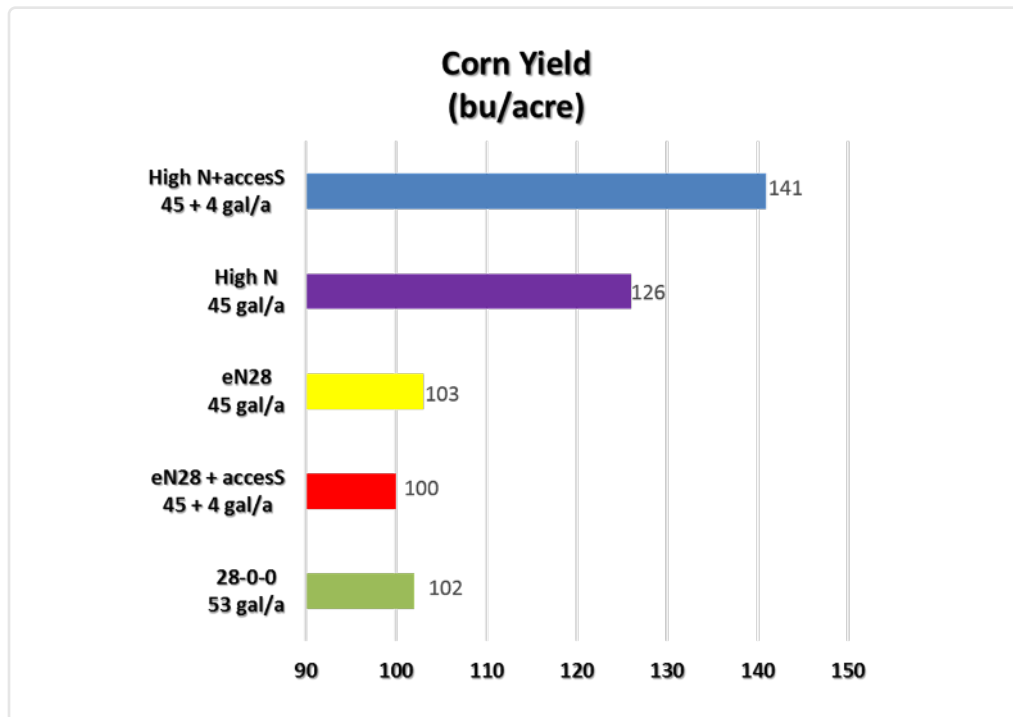
Objective:

Objective: Compare effectiveness of High NRG-N vs. 28-0-0 on yield in corn.

The trial was conducted by Rex Rawlings near Frankfort, IN

30% of the needed High NRG-N, 28-0-0, or 28-0-0 + eNhanse (eN28) was applied surface band 2" to the side of seed trench at planting and the remaining 70% was applied at side dress. Additional treatments included accesS as an additive with High NRG-N or eN28. 28-0-0 was used as a competitive comparison (this treatment received 10-34-0 at 5 gal/a in-furrow at planting). All treatments except 28-0-0 received Pro-Germinator @5 gal, Sure-K @ 5, Micro 500 @ 0.5 and eNhanse @ 0.25 gal/a applied in-furrow at planting.

NOTE: the field received in excess of 30" of rain from planting through mid-July which negatively affected yields in the entire trial.



Conclusions:

- High NRG-N outperformed 28-0-0 with or without eNhanse under the high rainfall conditions experienced in this plot.
- Addition of accesS at side dress improved performance of High NRG-N but not eN28.
- eN28 at 45 gal/acre performed as well as 28-0-0 at 53 gal/acre.