

**Experiment Info:**

Planted:	10/11
Variety:	Red Devil
Population:	2 million
Row Spacing:	7.5"
Previous Crop:	Soybeans
Plot Size:	15' x 532'
Replications:	2
Topdress:	4/3/13
Harvested:	7/15/13

**Soil Test Values (ppm):**

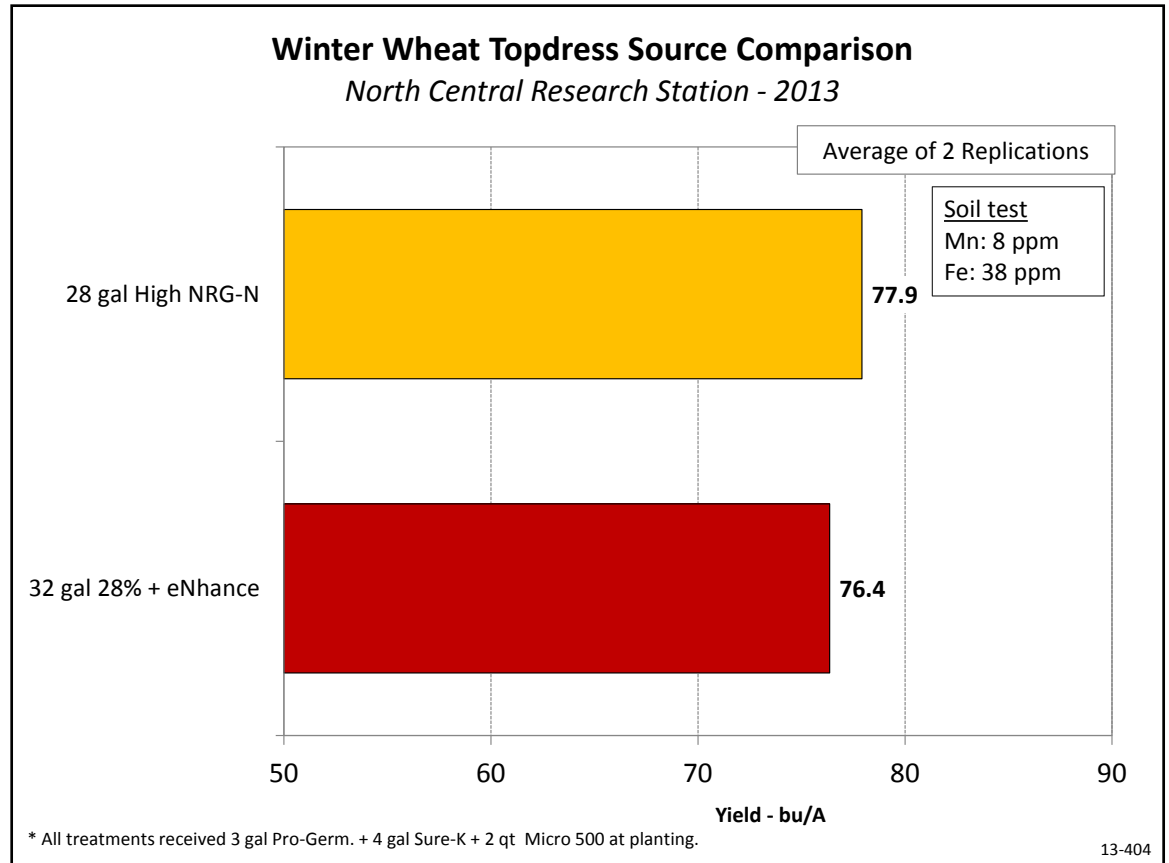
pH:	6.9
CEC:	9.1
% OM:	2.2
Bray P1:	27
K:	63
S:	9
% K:	1.8
% Mg:	17.2
% Ca:	80.6
% H:	0
% Na:	0.4
Zn:	1.2
Mn:	8
B:	0.6

Yield Goal:	100 bu
Target Fertilizer Rate:	120-0-74

**Objective:**

To evaluate nitrogen programs for topdress applications on dryland winter wheat.

Farm 4 at the NCRS, is a non-irrigated farm with a gravel based soil with a lower CEC. This farm was used for large strip comparisons of 2 nitrogen fertilizer sources: 28 gal/A High NRG-N and 32 gal/A 28% + eNhanse. Products were applied topdress in early spring just as the wheat was coming out of dormancy. A yield goal of 100 bu/A was set with topdress applications of the equivalent of 120 lbs of N/A. However, due excess rain and cool temperatures in April, yields were lower than expected. These conditions may have caused a loss in nitrogen. Results from this experiment appear on the chart below.



**Conclusions:**

- In this non-irrigated experiment, similar yield was achieved with both of the nitrogen sources reaching a wheat yield of around 77 bu/A.
- These results are consistent with what we see in the field. In dryland situations with average growing conditions, yields with High NRG-N are comparable to those achieved with 28% + eNhanse.