

Experiment Info:

Planted: 9/24/12
 Variety: Red Devil
 Population: 1.98 Million
 Row Spacing: Drilled - 7.5"
 Previous Crop: Navy Beans
 Plot Size: 15'x180/210/130
 Replications: 5
 Topdress: 4/5
 Harvested: 7/16

Soil Test Values (ppm):

pH: 7.7
 CEC: 6.5
 % OM: 1.2
 Bicarb P: 10
 K: 49
 S: 19
 % K: 1.9
 % Mg: 17.4
 % Ca: 79.5
 % H: 0
 % Na: 1.2
 Zn: 1.2
 Mn: 8
 B: 0.6

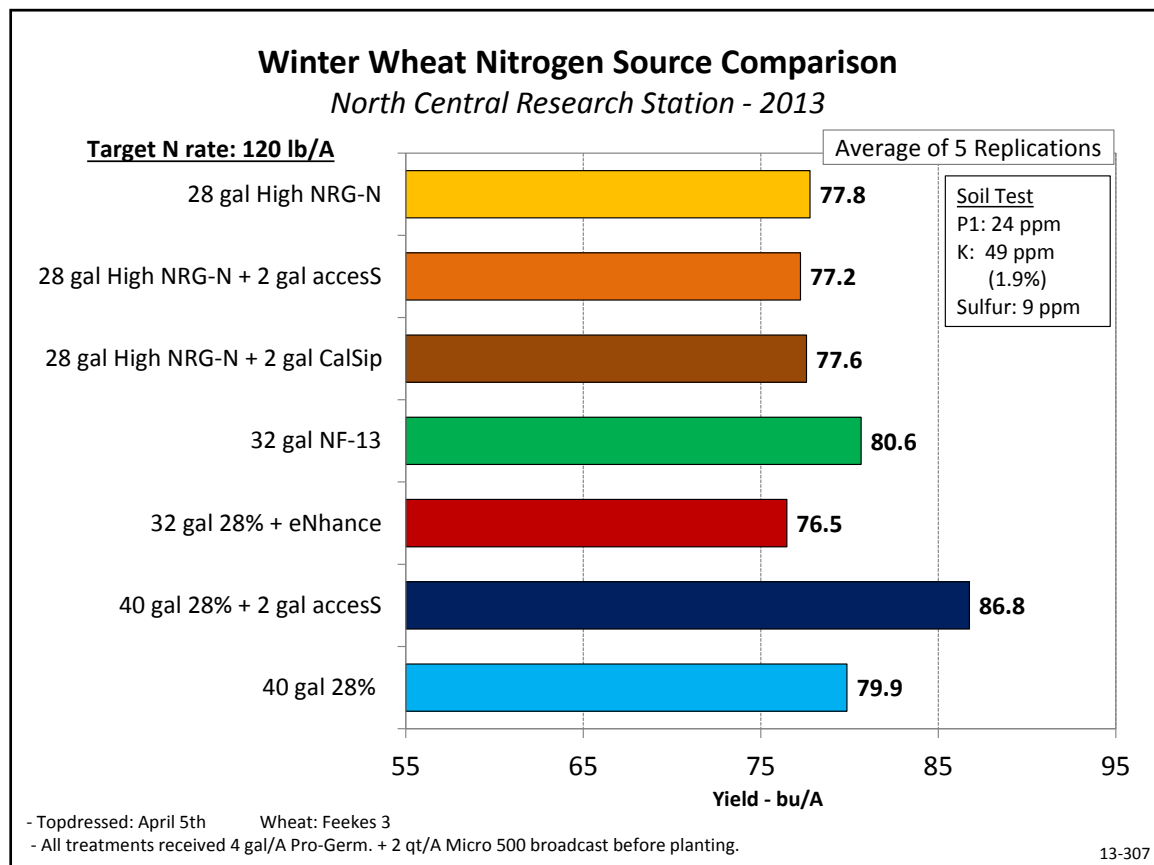
Yield Goal: 100 bu/A

Target Fertilizer Rate: 120-88-0

Objective:

To evaluate topdress nitrogen sources for effects on winter wheat yield.

A nitrogen source comparison with sulfur additive experiment was conducted at the North Central Research Station. High NRG-N and 28% UAN were compared at recommended rates with the additions of sulfur sources: eNhance, accesS and CalSip. An experimental fertilizer, NF-13, was also included. Yield results appear on the chart below.



Conclusions:

- There was no significant yield difference between the recommended rates of High NRG-N, 28% + eNhance and 28%.
- The addition of sulfur sources accesS and CalSip to High NRG-N, did not provide additional yield benefit. High NRG-N already contains 1% sulfur, which may have been enough to meet the requirements for the crop.
- The experimental product NF-13 did provide a slight yield increase but statistically insignificant.
- Greatest yield was achieved with the addition of 2 gal/A access to 40 gal/A 28% UAN with a yield of nearly 87 bu/A