

Experiment Info:

Planted:	5/14/2014
Harvest:	10/17/2014
Yield Goal:	200 bu/A
Target Fert.:	220-0-109
Variety:	DKC 53-56 RIB
Population:	38,000
Row Width:	30"
Prev. Crop:	Sugarbeets
Plot Size:	15 x 290
Replications:	4
Sidedress:	6/10/2014

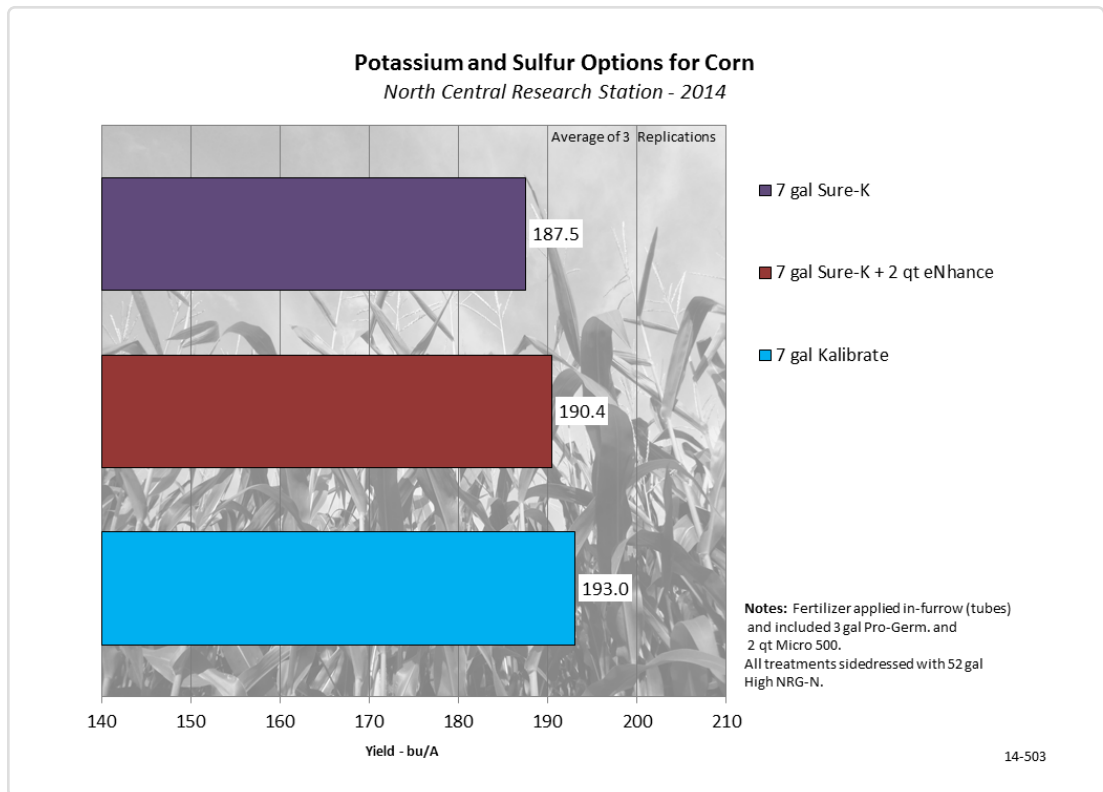
Soil Test Values (ppm):

pH:	7.2
CEC:	8.5
%OM:	1.8
Bray P1:	34
Bicarb P:	24
K:	72
S:	10
%K:	2.2
%Mg:	26.3
%Ca:	70.2
%H:	0
Zn:	1.3
Mn:	6
B:	0.6

Objective:

To evaluate in-furrow sulfur fertilizer options for corn.

With the release of our newest product Kalibrate in early 2014, deciding which potassium source to use has been a common question. One difference between Sure-K and Kalibrate is the added 6% sulfur that is part of Kalibrate. When working with soils that are low in sulfur you have two options: use of Sure-K with eNhance or Kalibrate. Both programs will provide an adequate source of the required sulfur and potassium needed for a high yielding corn crop. This experiment compared 7 gal/A of Sure-K alone, 7 gal/A Sure-K + 2 qt/A eNhance and 7 gal/A Kalibrate, which contains 6% sulfur. All fertilizer programs also contained 3 gal/A Pro-Germinator and 2 qt/A Micro 500 applied in-furrow with tubes. All treatments were sidedressed with 52 gal/A High NRG-N. Yields appear on the chart below.



Conclusions:

- The addition of 2 qt of eNhance to an in-furrow application of Sure-K increased corn yield by nearly 3 bushels per acre.
- Highest yield was achieved with an in-furrow application of Kalibrate, yielding 2.6 bushels per acre higher than the combination of Sure-K and eNhance.
- In-furrow applications of eNhance are seed safe on corn up to 3 qt/A.