



Corn Sulfur Options (20-506)

Experiment Info:

Planted:	4/28/2020
Harvest:	10/19/2020
Yield Goal:	250 bu/A
Target Fert.:	275-98-146
Variety:	DKC 54-64 RIB
Population:	36,000
Row Width:	30"
Prev. Crop:	Soybeans
Plot Size:	15 x 510
Replications:	3

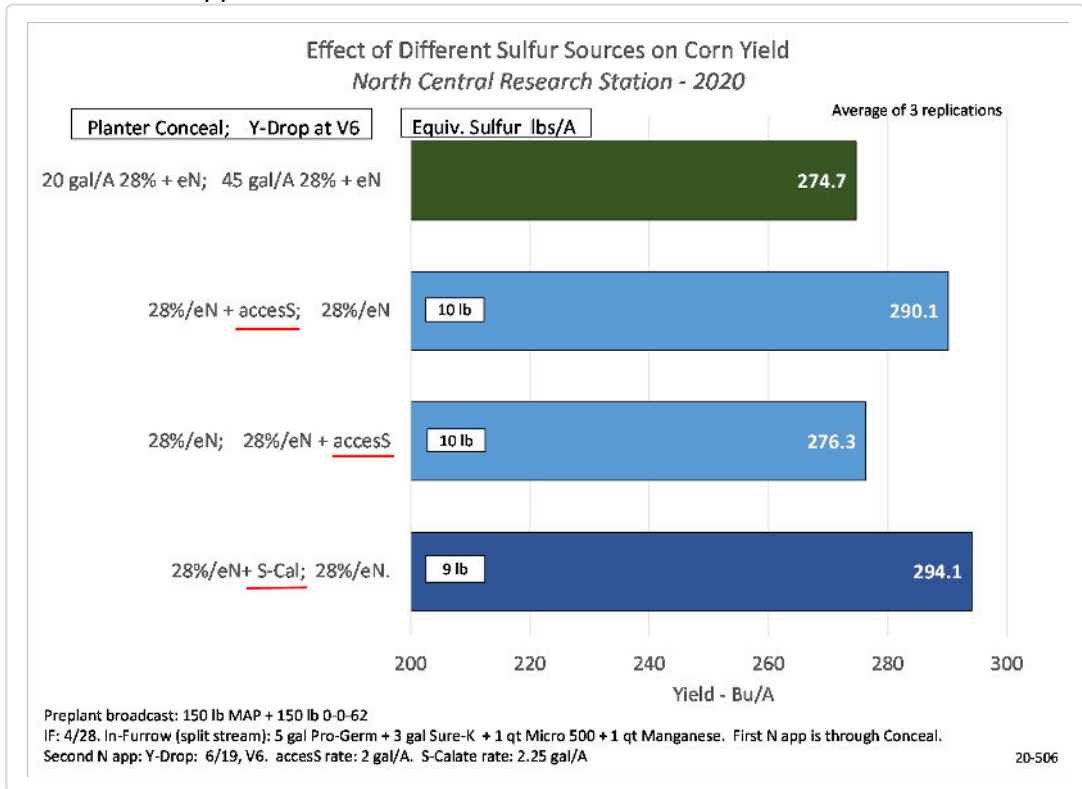
Soil Test Values (ppm):

pH:	6.8
CEC:	9.7
%OM:	2.7
Bray P1:	14
Bicarb P:	
K:	60
S:	4
%K:	1.6
%Mg:	21.6
%Ca:	76.3
%H:	
Zn:	1.2
Mn:	3
B:	.4

Objective:

To evaluate AgroLiquid accesS and S-Calalte sulfur sources and timing of application in combination with nitrogen applications to determine effective placements.

Planter nitrogen applications are an effective way to place some early nitrogen in a targeted location near the row. Coupling that early N application with extra sulfur should benefit the early growth and nitrogen uptake of the plant. In this experiment the nitrogen source was 28% UAN with eNhanche added at a rate of 2 gal per ton. The first nitrogen application was applied with the planter using Precision Planting Conceal on both sides of the row. The addition of either accesS or S-Calalte was added to the nitrogen application per the treatment need. The second nitrogen application was applied using 360 Yield Y-Drops at V-6 growth stage and included sulfur per the treatment need. The red lines in the chart below show where the sulfur sources were applied and are compared to the top bar, no sulfur check. Yields results appear in the chart below.



Conclusions:

- Sulfur soil test values were low and the additional sulfur benefited this corn crop.
- Early application of sulfur at planting using AgroLiquid S-Calalte or accesS added to the 28% + eNhanche nitrogen application using the Precision Planting Conceals provided the highest yield return.