

Experiment Info:

Planted:	5/22/2021
Harvest:	11/8/2021
Yield Goal:	60 bu/A
Target Fert.:	0-68-159
Variety:	19EC32
Population:	130,000
Row Width:	30"
Prev. Crop:	Corn
Plot Size:	15 x 130
Replications:	4

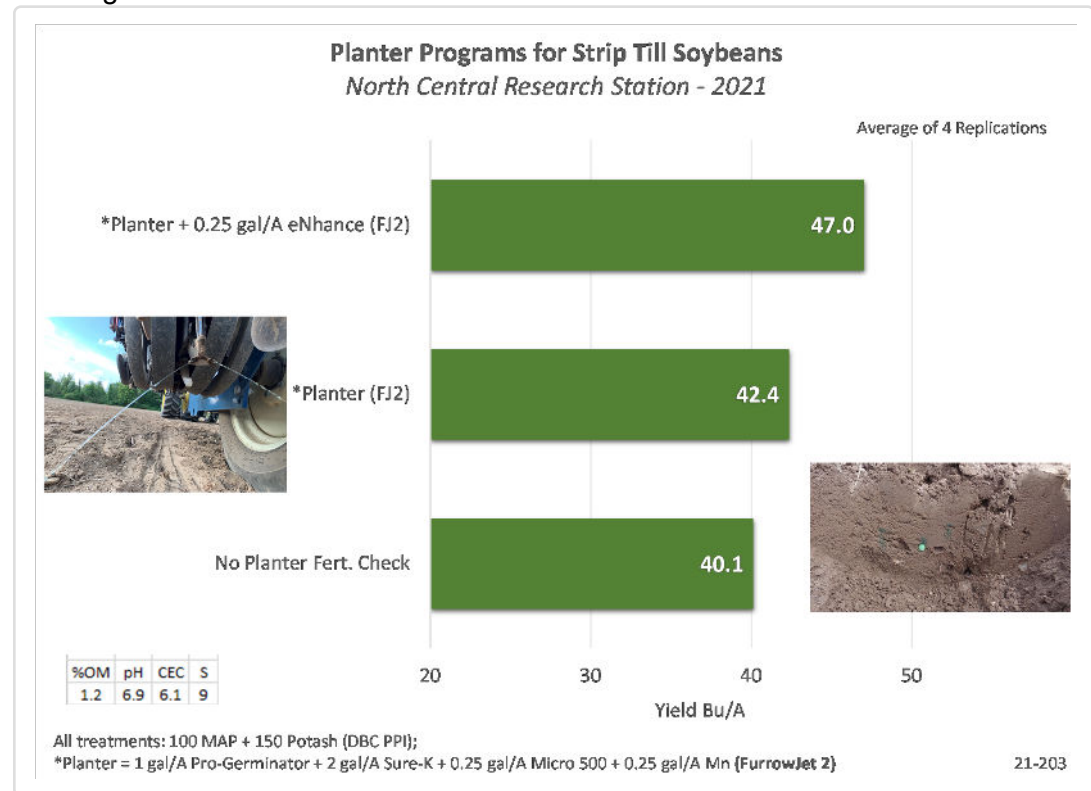
Soil Test Values (ppm):

pH:	6.9
CEC:	6.1
%OM:	1.2
Bray P1:	11
Bicarb P:	0
K:	48
S:	9
%K:	2
%Mg:	21.4
%Ca:	75.5
%H:	0
Zn:	0.5
Mn:	4
B:	0.3

Objective:

To see the advantage of planter applied additives to soybeans planted in strip till conditions.

The strips were made in the spring applying no fertilizer. Soybeans were then planted and all the fertilizer was applied using the Precision Planting FurrowJet in just the wings which is what was called the FJ2 in this study. The placement of the FurrowJet wings, compared to the seed in furrow, is 3/4" to each side and slightly above. The planter fertilizer used was 1 Gal/A Pro-Germinator + 2 Gal/A Sure-K + 0.25 Gal/A Micro 500 + 0.25 Gal/A Mn. There is a great advantage to using the FurrowJet wings and getting the sulfur in close where the roots can grow and uptake it early but not putting it in the furrow where there is a chance for harming the seed.



LSD(0.05)5.1; CV:13.1%

Conclusions:

- It seems that most all crops benefit from additional sulfur applications. The use of 1 qt/A of eNhanse provided an additional 3 lbs/A of sulfur based on efficiency rating.
- When adding AgroLiquid eNhanse and the planter fertilizer mix through the FurrowJet wings (FJ2) there was a 7 Bu/A advantage over the no planter fertilizer check.