



# In Season Nutrients via Y-Drop on Soybeans ( 21-503 )

## Experiment Info:

Planted:	4/24/2021
Harvest:	9/27/2021
Yield Goal:	70 bu/A
Target Fert.:	0-36-146
Variety:	17EB02
Population:	130000
Row Width:	30"
Prev. Crop:	Corn
Plot Size:	15 X 274/285
Replications:	4

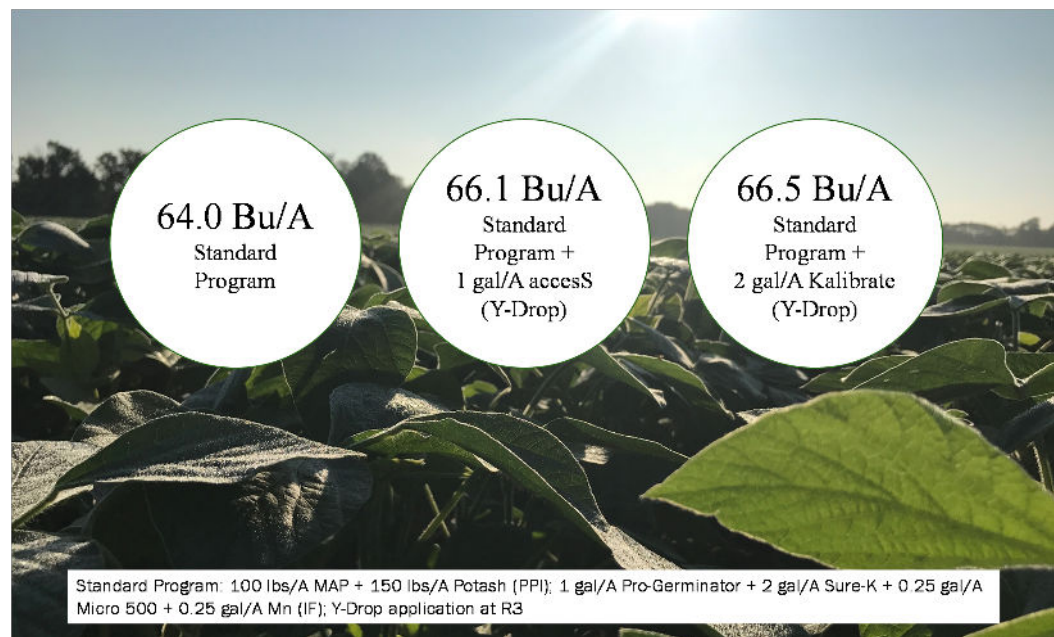
## Soil Test Values (ppm):

pH:	7
CEC:	7.4
%OM:	1.7
Bray P1:	19
Bicarb P:	10
K:	73
S:	4
%K:	2.5
%Mg:	23.6
%Ca:	73
%H:	
Zn:	1.2
Mn:	6
B:	.3

## Objective:

To evaluate the possible benefits of potassium and/or sulfur applications to soybeans in the R3 growth stage.

Group 1.7 soybeans were planted, in 30" rows, on April 24th on low potassium soils of 73 ppm K and 2.5% base saturation. The standard program was 100 lbs/A MAP and 150 lbs/A potash dry fertilizer broadcasted early spring and a planter in-furrow mix of 1 gal/A Pro-Germinator + 2 gal/A Sure-K + 1 qt/A each of Micro 500 and Manganese. Soybeans grew well and were ready for an R3 sidedress application using 360 Yield Center Y-Drops on July 24th. Treatments consisted of a mixture of 10 gal/A of water and 1 gal/A accesS (5 lbs sulfur equivalent) or 10 gal/A water + 2 gal/A Kalibrate (20 lbs potassium and 4 lbs sulfur equivalent) and applied appropriately. Yields are shown in picture below.



LSD(0.2)2.8, CV:6.1%

## Conclusions:

- Sidedress application of 1gal/A accesS increased yield by 2.1 bu/A.
- Kalibrate at 2 gal/A gave only a slight advantage to the accesS treatment.
- Y-Drop applications of accesS and Kalibrate offer the opportunities to increase soybean yield.