



# Effect of Sulfur + Potassium Combinations on Corn Yield

Maryland, 2020

## Experiment Info:

Planted:	5/16/2020
Harvest:	10/19/2020
Yield Goal:	200
Target Fert.:	
Variety:	
Population:	36000
Row Width:	30"
Prev. Crop:	soybean
Plot Size:	15' X 32'
Replications:	4

## Soil Test Values (ppm):

pH:	7.0
CEC:	6.9
%OM:	3.4
Bray P1:	97
Bicarb P:	
K:	130
S:	15
%K:	4.8
%Mg:	13.9
%Ca:	80.7
%H:	0
Zn:	3.3
Mn:	76
B:	0.3

## Objective:

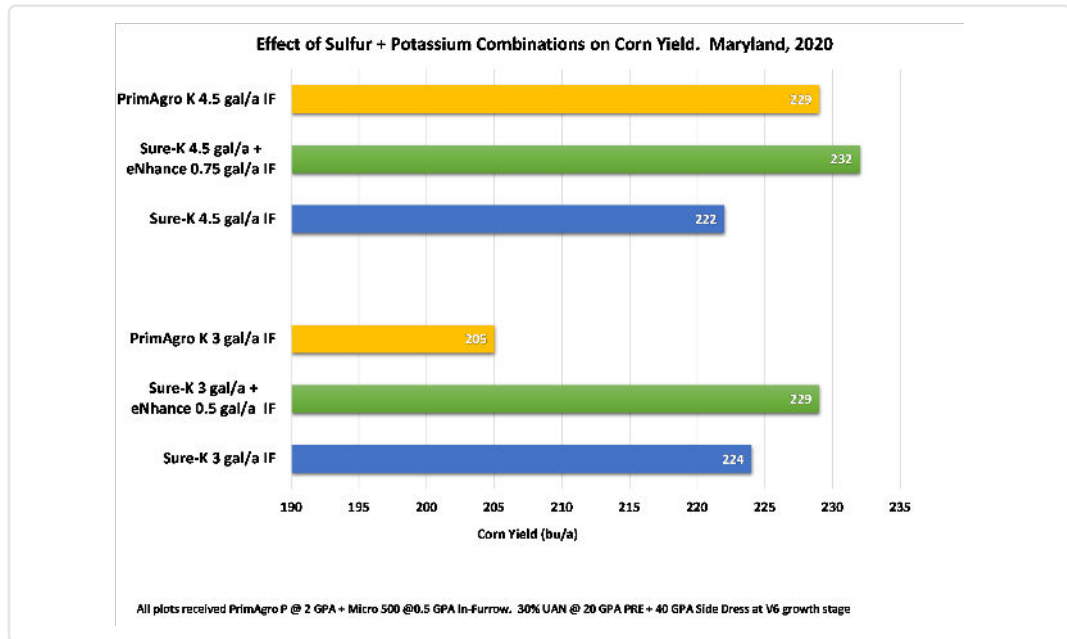
Compare Potassium + Sulfur products when applied in-furrow to corn.

The purpose of the trial is to compare the potassium + sulfur combination of Sure-K + eNhanche to the equivalent rates of potassium and sulfur in PrimAgro K.

Treatments included (all treatments applied in-furrow at planting):

- Sure-K 3 gal/a
- Sure-K 3 gal/a + eNhanche 0.5 gal/a (provides 6 lb sulfur nutrition equivalency per acre)
- PrimAgro K 3 gal/a (provides 6 lb sulfur nutrition equivalency per acre)
- Sure-K 4.5 gal/a
- Sure-K 4.5 + eNhanche 0.75 gal/a (provides 9 lb sulfur nutrition equivalency per acre)
- PrimAgro K 4.5 gal/a (provides 9 lb sulfur nutrition equivalency per acre)

All plots received PrimAgro P + Micro 500 INF; 30% UAN split application PRE and SD



## Conclusions:

- Addition of sulfur as eNhanche provided a corn yield increase of 5 - 10 bu/a compared to Sure-K alone. PrimAgro K at 4.5 gal/a provided similar yield to Sure-K + eNhanche at the 4.5 gal/a rate. However, PrimAgro K at 3 gal/a did not perform as well as Sure-K + eNhanche at the 3 gal/a rate. In this trial the combination of Sure-K + eNhanche performed more consistently than PrimAgro K, especially at the lower use rate.