



Effect of Sulfur Product and Timing on Corn Yield

Maryland, 2020

Experiment Info:

Planted:	5/16/2020
Harvest:	10/20/2020
Yield Goal:	200
Target Fert.:	
Variety:	
Population:	36000
Row Width:	30"
Prev. Crop:	corn
Plot Size:	15' X 32.5'
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:

Evaluate sulfur product timing and placement when used with nitrogen in field corn.

The AgroLiquid products eNhance and accesS can be added to liquid UAN products. eNhance improves nitrogen efficiency by reducing ammonia loss and working within the plant to improve nitrogen utilization. accesS provides sulfur nutrition to treated crops. This trial evaluated the effect of combinations, timing, and placement of eNhance and accesS with 30% UAN on corn yield.

Treatments included:

UAN - 20 gal PRE + UAN 40 gal SD

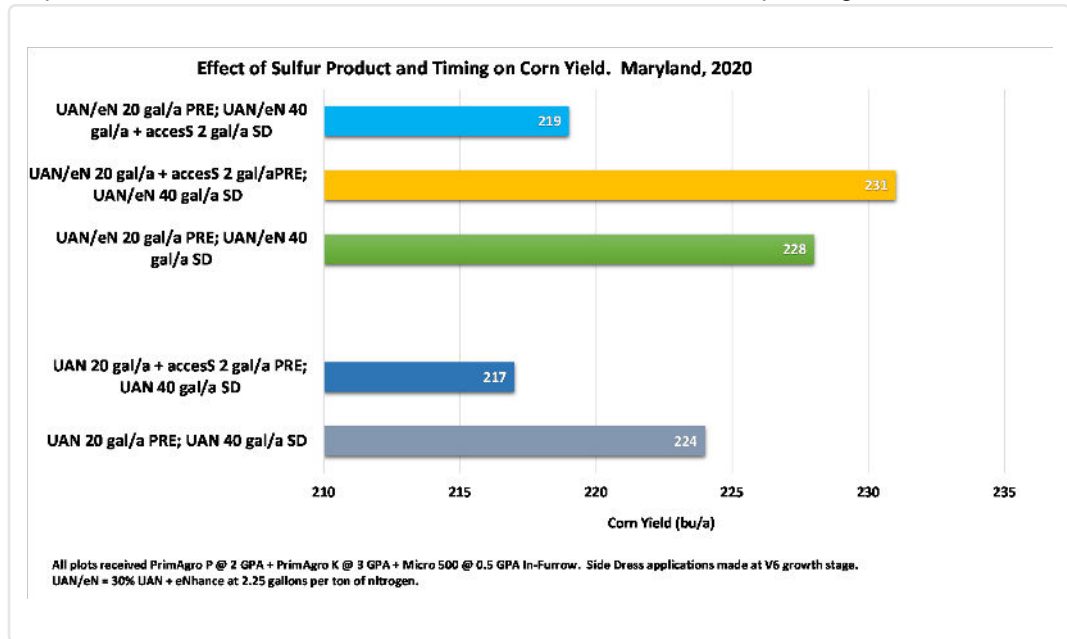
UAN - 20 gal + accesS 2 gal PRE + UAN 40 gal SD

UAN/eNhance 20 gal PRE + UAN/eNhance 40 gal SD

UAN/eNhance 20 gal + accesS 2 gal PRE + UAN/eNhance 40 gal SD

UAN/eNhance 20 gal PRE + UAN/eNhance 40 gal + accesS 2 gal SD

All plots received the same P, K, and micronutrient treatment at planting



LSD (0.05) = 12.2 bu/a

Conclusions:

- Treatments that included eNhance with UAN generally outperformed treatments that had only UAN, and including accesS with the PRE application provided some additional yield benefit.