



Side Dress Fertilizer Options in Corn

Mulford Agronomics, Quantico, MD

Experiment Info	
Planted:	5/12/23
Harvested:	10/18/23
Yield Goal:	
Variety:	
Pop.:	31000
Row Width:	30"
Prev. Crop:	soybean
Plot Size:	15' X 100'
Reps:	4

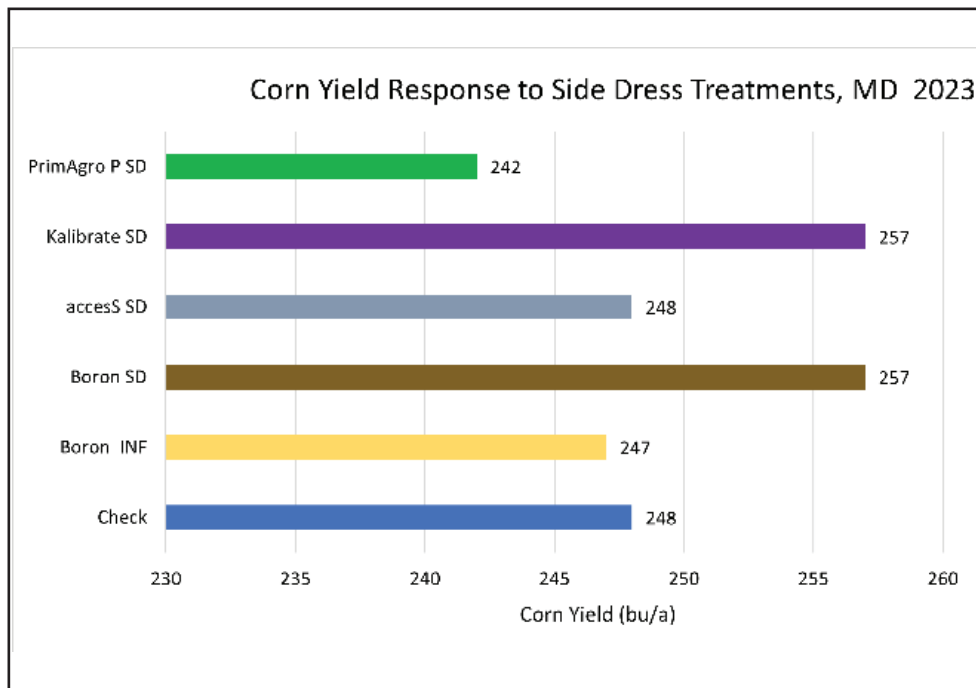
Objective:

The objective of this trial was to evaluate the effect of various side dress fertilizer additions to nitrogen. Previous research has shown positive yield results from adding micronutrients, potassium, phosphorus or sulfur to nitrogen at side dress in corn.

All treatments included PrimAgro P, Kalibrate, and Micro 500 INF. 30% UAN + eNhanse was applied 1/3 BDC at planting and 2/3 SD at V5.

Application Rates - Boron: 0.125 gal/a in-furrow (INF) or side dress (SD)
 accesS: 2 gal/a SD
 Kalibrate: 2 gal/a SD
 PrimAgro P: 1 gal/a SD

Soil Test (ppm)	
pH:	6.3
CEC:	4.9
%OM:	1.8
Bray P1:	28
Bicarb P:	
K:	78
S:	7
%K:	4
%Mg:	11
%Ca:	75
%H:	10
Zn:	0.5
Mn:	51
B:	0.5



LSD (0.05) = 6.6 bu/a

Conclusions:

- In this trial, Boron applied as a side dress placement performed better than Boron applied at planting.
- Addition of Kalibrate to the side dress treatment improved corn yield compared to nitrogen alone.
- NOTE: 30% UAN + eNhanse was used as the nitrogen component in all treatments, which may have limited the response to accesS in this trial.