



PrimAgro P Performance with or without C-Tech in Corn

Mulford Agronomic: Hampstead, MD

Experiment Info:

Planted:	5-9-2019
Harvest:	10-25-2019
Yield Goal:	200 bu/a
Target Fert.:	200-30-36
Variety:	
Population:	
Row Width:	30"
Prev. Crop:	soybean
Plot Size:	10' X 50'
Replications:	4

Soil Test Values (ppm):

pH:	6.9
CEC:	7.2
%OM:	3.5
Bray P1:	84
Bicarb P:	
K:	168
S:	11
%K:	6.0
%Mg:	13.9
%Ca:	78.5
%H:	1.4
Zn:	3.4
Mn:	158
B:	0.4

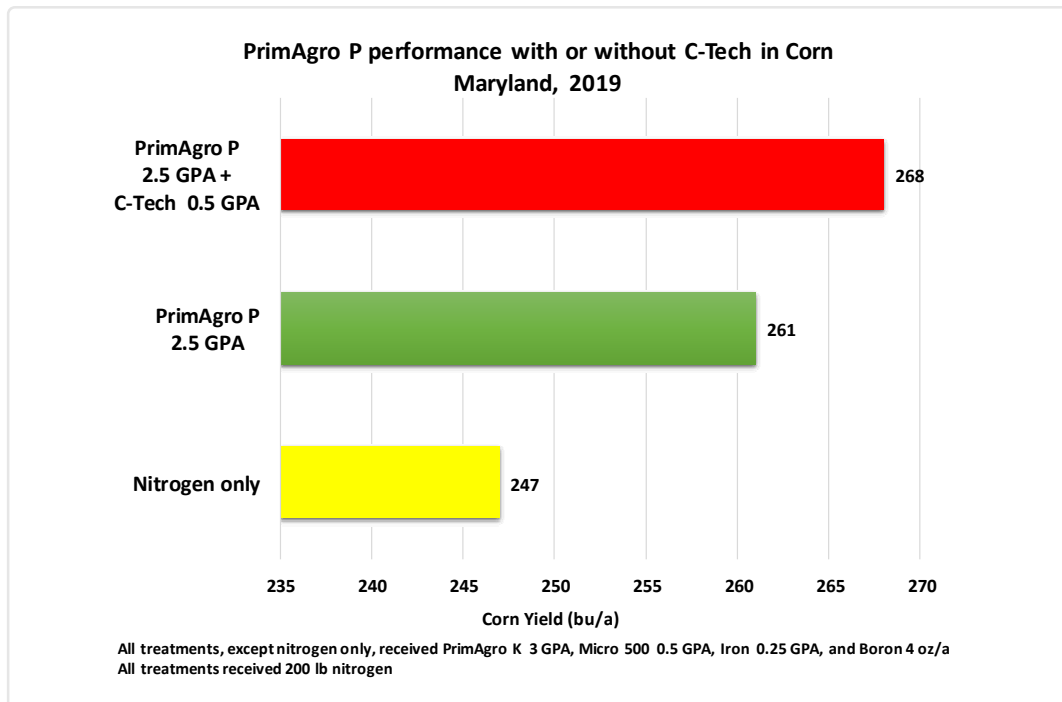
Objective:

Evaluate the effectiveness of adding C-Tech to PrimAgro P to improve corn yield.

PrimAgro P contains phosphorus and sulfur nutrition, and two species of Bacillus bacteria that have been shown to improve plant growth and increase nutrient availability. PrimAgro C-Tech is a fulvic acid product that also contains Bacillus bacteria, one of which is different than the species in PrimAgro P. The trial is intended to demonstrate what value the combination of PrimAgro P and C-Tech has compared to PrimAgro P.

All plots, except the no planter fertilizer control, received PrimAgro K at 3 GPA + Micro 500 at 0.5 GPA + Microlink Iron at 0.25 GPA + Microlink Boron at 4 oz/a.

All plots received 200 lb nitrogen as 30% UAN + eNhance.



Conclusions:

- PrimAgro P treatments provided higher corn yield than the nitrogen only control, even in field conditions with high a phosphorus level (84 ppm).
- Addition of C-Tech at 0.5 GPA to PrimAgro P improved corn yield by 7 bu/acre compared to PrimAgro P without C-Tech.