



# Evaluation of Pro-Germinator and spring-uP Combinations

Precision Planting PTI, Pontiac, IL 2021

## Experiment Info:

Planted:	4/27/2021
Harvest:	10/28/2021
Yield Goal:	
Target Fert.:	
Variety:	
Population:	36000
Row Width:	
Prev. Crop:	soybean
Plot Size:	
Replications:	

## Soil Test Values (ppm):

pH:	6.2
CEC:	21
%OM:	2.9
Bray P1:	39
Bicarb P:	
K:	239
S:	4
%K:	2.9
%Mg:	8.2
%Ca:	70.9
%H:	18
Zn:	12.6
Mn:	9
B:	0.4

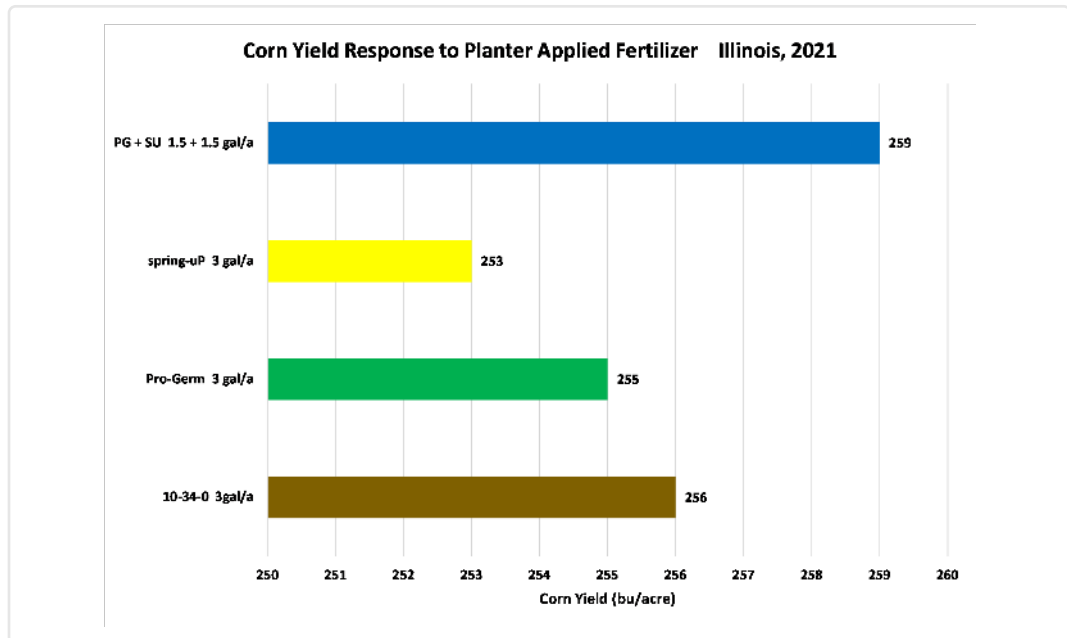
## Objective:

Evaluate Pro-Germinator, spring-uP, and a combination of those products for phosphorus nutrition in corn under high phosphorus soil conditions.

Pro-Germinator is designed to provide season-long phosphorus nutrition in corn and other crops. Spring-uP is designed as a "pop-up" fertilizer to provide phosphorus nutrition to a germinating crop until the crop can utilize the phosphorus present in the soil.

This trial was designed to evaluate Pro-Germinator or spring-uP alone or as a 50:50 combination in corn in high phosphorus soils to determine the benefit of each product under those conditions.

Pro-Germinator or spring-uP was applied In-Furrow through FurrowJet at 3 gal/acre or in a tank mix of 1.5 gal/acre Pro-Germinator + 1.5 gal/acre spring-uP. Those treatments were compared to 10-34-0 at 3 gal/acre.



## Conclusions:

- All phosphorus treatments provided similar yield in this trial under high phosphorus soil conditions. There was a 3 - 5 bu/acre yield increase with the combination of Pro-Germinator + spring-uP compared to the products applied individually.
- Spring-uP or spring-uP + Pro-Germinator are appropriate choices for phosphorus nutrition in high phosphorus soils.