



Phosphorus Source Comparisons in Corn

Ottawa, OH 2021

Experiment Info:

Planted:	5/16/2021
Harvest:	10/25/2021
Yield Goal:	250
Target Fert.:	
Variety:	
Population:	36000
Row Width:	30"
Prev. Crop:	corn
Plot Size:	5 acre
Replications:	1

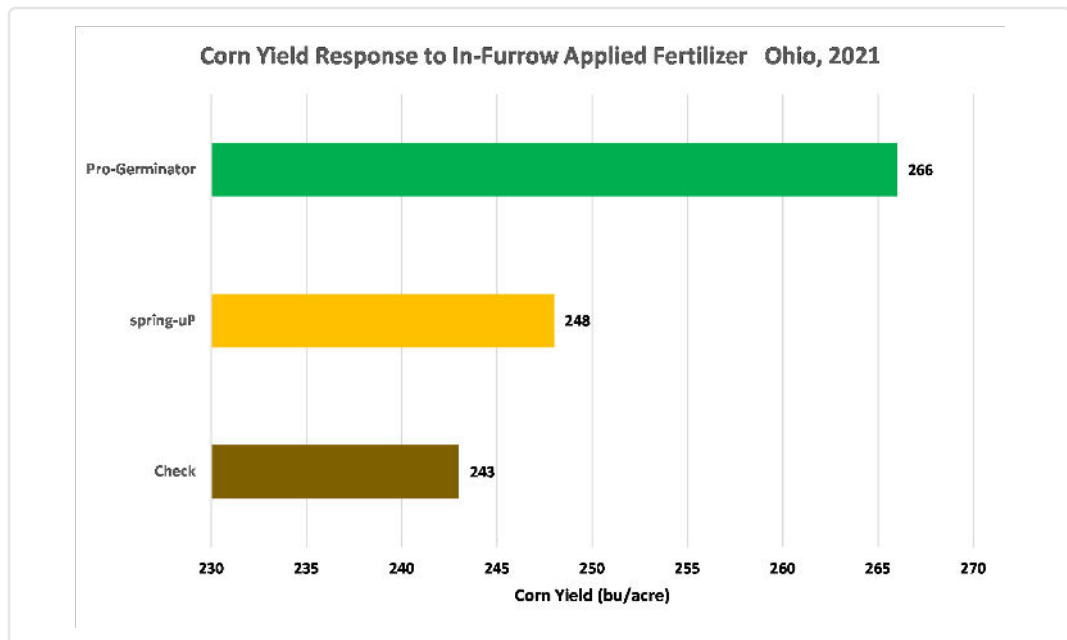
Soil Test Values (ppm):

pH:	6.6
CEC:	17.7
%OM:	3.8
Bray P1:	14
Bicarb P:	
K:	172
S:	12
%K:	2.5
%Mg:	10.9
%Ca:	80.5
%H:	5.5
Zn:	1.3
Mn:	3
B:	0.6

Objective:

Evaluate performance of spring-uP and Pro-Germinator as planter applied phosphorus products in corn.

Pro-Germinator is a phosphorus product intended to provide season-long phosphorus nutrition in corn and other crops. Spring-uP is a phosphorus product intended to be a "pop-up" that provides phosphorus nutrition until the crop can utilize phosphorus present in the soil. It is not intended to provide season-long crop nutrition.



Conclusions:

- In this trial spring-uP provided a small yield improvement over the no phosphorus check, demonstrating the value of spring-uP as a pop-up phosphorus fertilizer product.
- Pro-Germinator provided a 23 bu/acre yield increase compared to the no phosphorus check, demonstrating the value of Pro-Germinator as a season-long phosphorus fertilizer product.