



Potato Program Components (21-102.2)

Experiment Info:

Planted:	5/21/2021
Harvest:	11/11/2021
Yield Goal:	350 ton/A
Target Fert.:	0-0-79
Variety:	Russet Burbank
Population:	18,000
Row Width:	34"
Prev. Crop:	Other
Plot Size:	34" x 25
Replications:	4

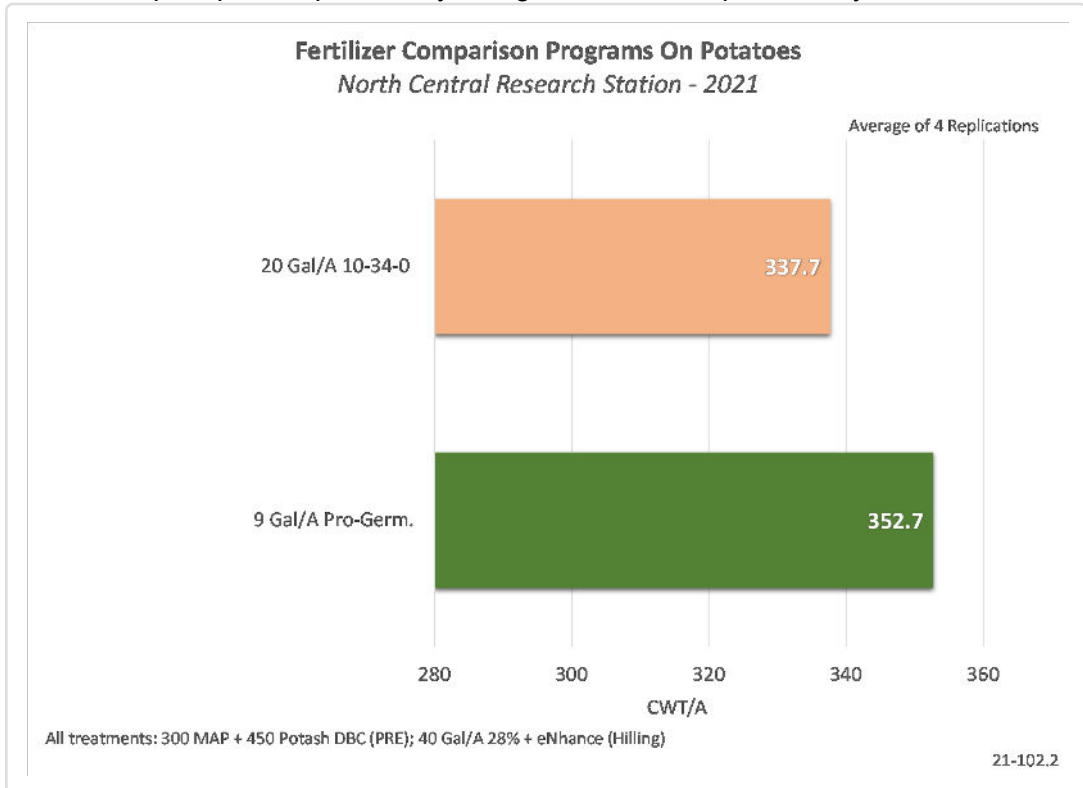
Soil Test Values (ppm):

pH:	6.1
CEC:	4.9
%OM:	1.2
Bray P1:	44
Bicarb P:	0
K:	75
S:	6
%K:	3.9
%Mg:	16.5
%Ca:	65.1
%H:	13.3
Zn:	1
Mn:	5
B:	0.2

Objective:

In this experiment we were looking at AgroLiquid's Pro-Germinator at 9 Gal/A against the grower standard of 20 Gal/A 10-34-0 banded at planting time. The whole experiment had a dry base applied to be comparable to what a grower's common practice would be.

The Pro-Germinators flavonol polymer technology allowed it to be very usable to the plant over an extended time. The Pro-Germinator is unlike most other conventional phosphorus products where it is 85% soluble compared to the normal 20%-30%. It is also made to be a full season phosphorus product by being available for up to 90 days.



LSD(0.05)61.4, LSD(0.1)51, LSD(0.2)39.4, CV:0.19

Conclusions:

- Pro-Germinator produced 15 CWT/A more than the 10-34-0
- The Flavonol polymer technology allowed the Pro-Germinator to be available full season
- The Lower rate is easier for the grower to apply at planting.
- Pro-Germinator easily mixes with other products you would want to put on at planting