



Phosphorus Sources on Potatoes (20-304)

Experiment Info:

Planted:	5/22/2020
Harvest:	10/20/2020
Yield Goal:	ton/A
Target Fert.:	
Variety:	Norkotah
Population:	18,449
Row Width:	34"
Prev. Crop:	Other
Plot Size:	34" X 25'
Replications:	4

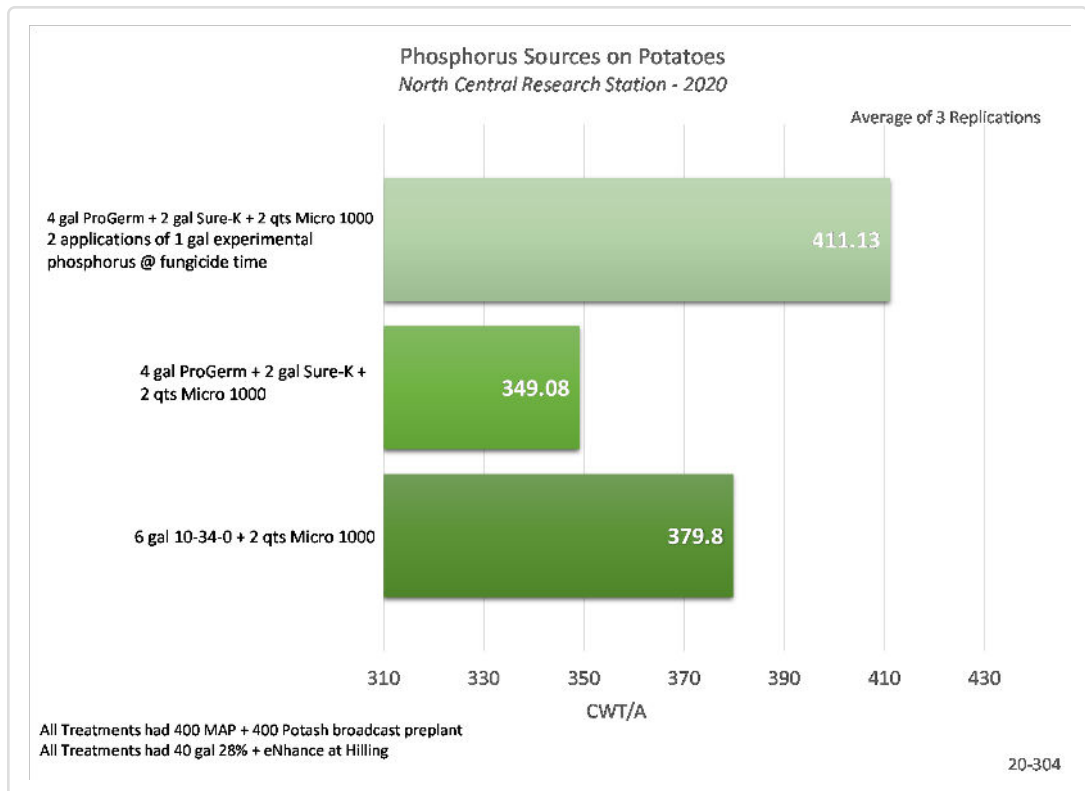
Soil Test Values (ppm):

pH:	5.9
CEC:	7.1
%OM:	1.6
Bray P1:	16
Bicarb P:	
K:	47
S:	16
%K:	1.7
%Mg:	14.4
%Ca:	65.4
%H:	17.2
Zn:	1.4
Mn:	5
B:	.4

Objective:

To compare different phosphorus sources on potatoes.

Potato fertilizer programs that are used in the Great Plains region of the U.S. are evaluated on two different russet varieties. In this study a conventional liquid program was compared to an AgroLiquid program and an AgroLiquid program with a foliar applied at fungicide timing. The entire experiment area had a dry fertilizer application of 400 lbs of potash and 400 lbs of MAP applied pre-plant incorporated. The foliar product used was an experimental phosphorus applied at a 1 gallon per acre rate. This was applied two times with a fungicide on 7-6-20 and 8-7-20.



Conclusions:

- The experimental foliar application resulted in a large yield increase.
- The foliar application added an additional 31.33 cwt/a over the 10-34-0 treatment.
- The hollow heart ratings were also lower on the foliar treatment over the 10-34-0.