Potato Research, Gaia Consulting

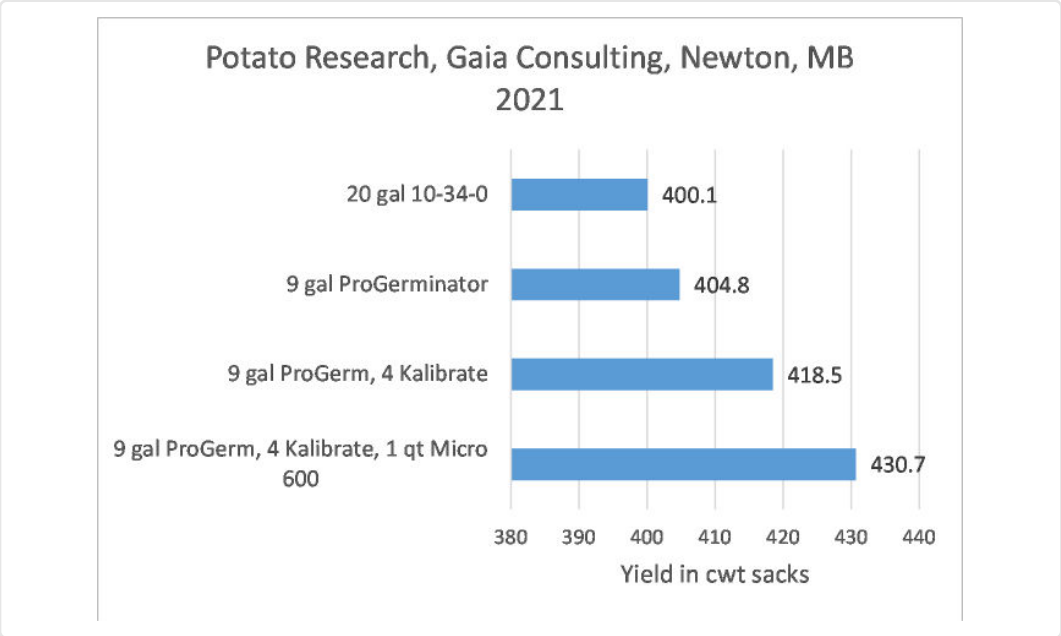
Newton, MB

Experiment Info:	
Planted:	05/25/2021
Harvest:	10/15/2021
Yield Goal:	
Target Fert.:	
Variety:	
Population:	
Row Width:	
Prev. Crop:	
Plot Size:	
Replications:	

Soil Test Values (ppm):	
pH:	7.9
CEC:	29.1
%OM:	2.0
Bray P1:	
Bicarb P:	9
K:	136
S:	8
%K:	1.4
%Mg:	22.3
%Ca:	75.6
%H:	0
Zn:	1.29
Mn:	2.6
B:	0.7

Objective:

The objective of this third party research was to test the efficiency of ProGerminator at a lower application rate against a higher rate of conventional 10-34-0, and whether yields could be further increased by the addition of Kalibrate and further improved by adding Micro 600 to the ProGerminator and Kalibrate blend.



Conclusions:

9 gallons of Pro-Germinator out-performed 20 gallons of 10-34-0 despite the lower amount of actual P applied. Although the difference in favor of Pro-Germinator against the much higher rate of 10-34-0 was not as great as the same trial showed in 2020, it does still demonstrate the very high efficiency of Pro-Germinator. The addition of 4 gallons Kalibrate to the Pro-Germinator increased the potato yield by 13.7 cwt per acre- over the Pro-Germinator alone, and adding 1 quart of Micro 600 increased yield by 25.9 cwt. Pro-Germinator, Kalibrate, and Micro 600 continue to perform well for potatoes grown on the calcitic soils of southwest Manitoba.