



In-furrow Starter Comparison in Potatoes

Manitoba 2020

Experiment Info:

Planted:

Harvest:

Yield Goal: 455 cwt

Target Fert.:

Variety: Russet

Population:

Row Width:

Prev. Crop:

Plot Size:

Replications:

Soil Test Values (ppm):

pH: 7.3

CEC: 7.8

%OM: 1.3

Bray P1:

Bicarb P: 14

K: 127

S: 18

%K: 4.2

%Mg: 25.5

%Ca: 67.9

%H: 0

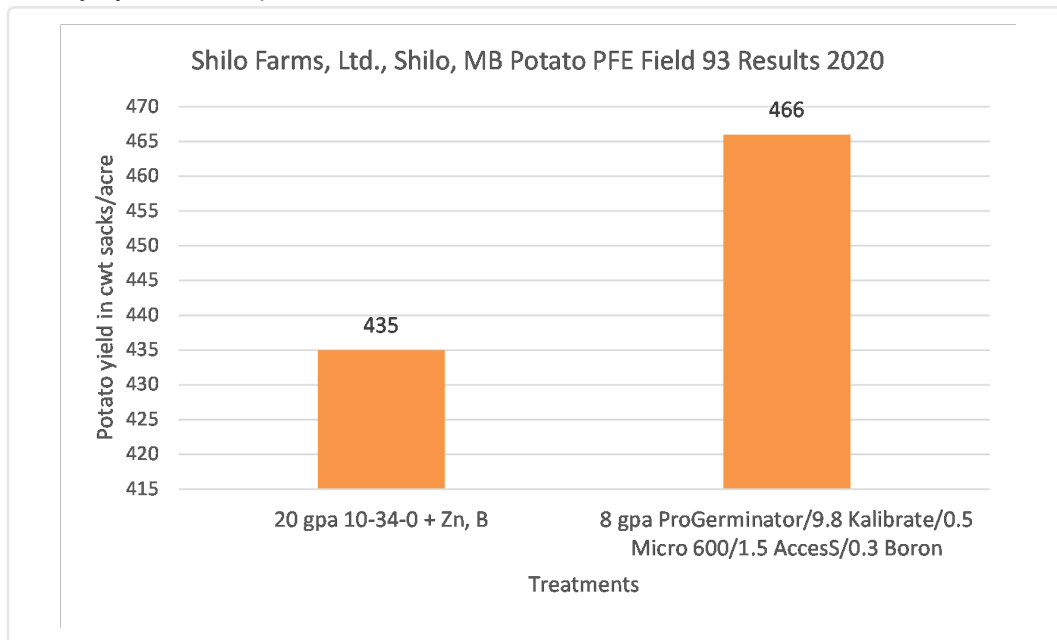
Zn: 2.1

Mn: 4.2

B: 0.3

Objective:

Create an in-furrow potato starter blend that would yield better than the grower's standard of 20 gpa 10-34-0 + micros and demonstrate to the grower that a lower rate of Pro-Germinator could perform as well as or better than a much higher rate of 10-34-0. This was a direct side-by-side comparison with treatment areas measured and truck loads segregated at harvest. The trial was administered entirely by the farm's personnel.



Conclusions:

- The AgroLiquid starter blend significantly outperformed the grower's standard, improving potato yield by 31 sacks, or 3,100 pounds/acre. The quality of the potatoes was also improved, with the AgroLiquid treatment having zero hollow-heart against the 10-34-0 at 1.5%. This trial continues to prove the efficacy of AgroLiquid in-furrow programs in potatoes.