Agro Liquid with ProGerminator vs Grower Standard

Idaho, 2020

Experiment Info:
Planted:
Harvest:
Yield Goal:
Target Fert.:
Variety:
Population:
Row Width:
Prev. Crop:
Plot Size:
Replications:

Soil Test Values (ppm):
pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:

Objective:

To compare the grower standard to AgroLiquid's Pro-Germinator (9-24-3) in production of Idaho potatoes and to determine if yield could be increased using less gallons compared to the grower standard. The grower standard fertility program included 120 units of phosphorus, Pro-Germinator was applied at the rate of 10 gallons per acre to meet the needs of 120 units of phosphorus.

Treatment	Hand Dig	Crossover	Avg Yield (cwt/A)
Grower Standard	567.0	502.3	534.7
Pro-Germ. (10 gal/A)	633.1	480.5	556.8
Hand dig avg of 2 digs/trt *Crossover avg of 3 cts/trt*			+22.1 cwt/A

Conclusions:

- Pro-Germinator produced 22.1 cwt/A (100 Lbs.) more than the grower standard.
- Pro-Germinator with Flavonol Polymer Technology applied 27 actual lbs of phosphours compared to 120 units from the grower standard while still out producing the grower standard.
- Pro-Germinator with Flavonol Polymer Technology continues to be protected from soil tie up and remain available to the roots to produce high quality and yields than the grower standard.