



# Kalibrate's lower Rates on Potatoes

Pasco WA

## Experiment Info:

Planted:	5/20/2021
Harvest:	
Yield Goal:	
Target Fert.:	
Variety:	Burbank
Population:	
Row Width:	
Prev. Crop:	Corn
Plot Size:	
Replications:	

## Soil Test Values (ppm):

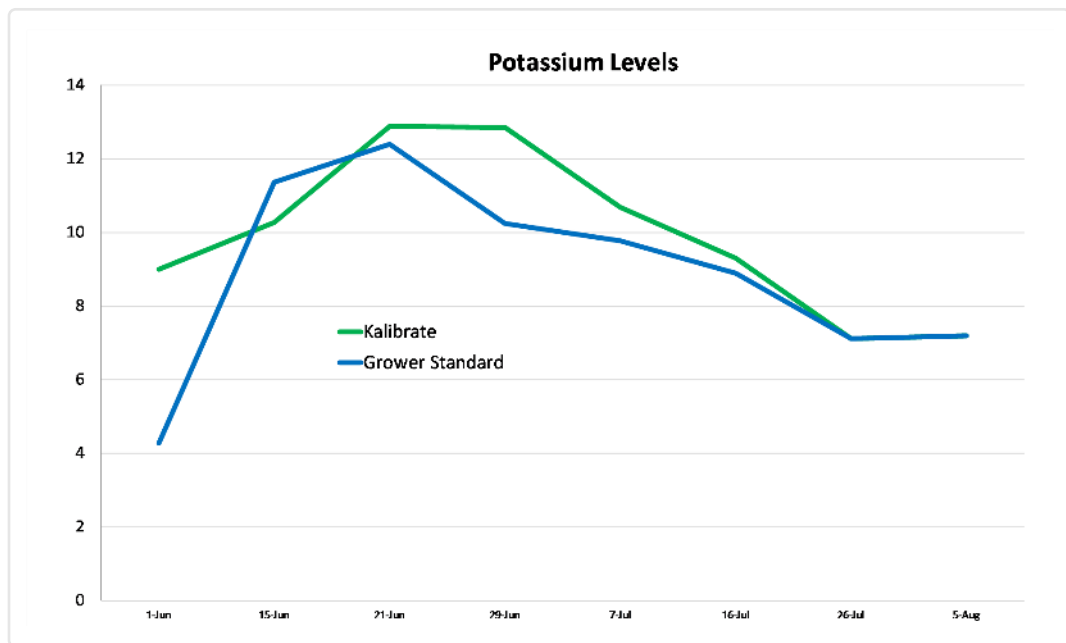
pH:	6.9
CEC:	10.7
%OM:	1
Bray P1:	46.1
Bicarb P:	
K:	324
S:	97
%K:	8
%Mg:	21
%Ca:	67
%H:	0
Zn:	5.8
Mn:	2.6
B:	1.8

## Objective:

To determine if Kalibrate could replace the grower standard at planting and reduce the number of total gallons applied. This would allow the grower to cover more acres per fertilizer tank saving cost in labor, applications, and equipment costs.

At planting 3 gallons of Kalibrate 2-0-10 S(6) and the grower standard was 5 gallons of 0-0-60. This was a 40% savings per acre in application costs. Both the grower standard and the Kalibrate were applied in season through the pivot irrigation water. The Kalibrate was applied the 5 weeks at a 3 gallon rate for a total of 18 gallons of Kalibrate per acre. Using a 10 lbs. equivalency 180 units of potassium was applied to the potato crop.

Petiole sampling was done once a week on the grower standard and the Agroliquid side of the blocks and put into the graphs below to show the K levels of the potato plants. Kalibrate shows that it has a higher potassium level in the petiole samples to a higher level and longer than the grower standard program.



## Conclusions:

- Kalibrate maintained or exceeded the tissue levels compared to the grower standard throughout the grower season.
- This demonstrates that Kalibrate in place of the grower standard saves the grower 40% of application costs.
- Kalibrate with Flavonol Polymer Technology demonstrates that the 10 lbs. equivalency is accurate and saves the grower money at application and yield and quality of the potatoes harvested.