



Foliar Potassium on Soybean

Garrett Land and Cattle (Iowa): 2023

Experiment Info	
Planted:	
Harvested:	
Yield Goal:	
Variety:	
Pop.:	
Row Width:	
Prev. Crop:	
Plot Size:	
Reps:	

Objective:

This trial was established to compare AgroLiquid's foliar potassium products Sure-K and Kapitalize to the grower standard application of potassium acetate. Foliar applications were made at 1 gal/A of potassium when the corn was in the R3 growth stage. A complete fertility program providing N-P-K secondary and micronutrients was applied across all treatments.

Additionally, costs analysis was completed looking at yield revenue minus the cost of product. Results for both yield and profit/loss is shown on the table below.

Soil Test (ppm)	
pH:	5.8
CEC:	22.4
%OM:	3.4
Bray P1:	79.6
Bicarb P:	
K:	217.3
S:	31.1
%K:	2.5
%Mg:	18.1
%Ca:	56.7
%H:	2.5
Zn:	5.95
Mn:	131.2
B:	0.67

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Program	Yield	+/- Grower Standard
Grower Standard	54.4	
Sure-K	56.3	1.90
Kapitalize	59.71	5.32

Foliar products applied at 1 gal/A with fungicide application at R3

stats

Conclusions:

- Both Sure-K and Kapitalize yielded higher than the grower standard.
- Sure-K, AgroLiquid's oldest foliar potassium product has proven Nutriq Technology to aid in plant uptake while remaining safe on the leaf tissue. With a national win-rate of 89.% over 185 trials, Sure-K has been a proven soybean foliar for many years. In this trial, Sure-K improved yield nearly 2 bu/A compared to potassium acetate.
- One of AgroLiquid's newest foliar products, Kapitalize, also with Nutriq Technology, is a combination of both potassium and calcium. 1 gal/A of Kapitalize produced the highest yield in this trial; more than 5 bu/A higher than the grower standard.
- Analysis of profit/loss showed highest return per acre with Kapitalize followed by Sure-K, both producing more per acre than the grower standard.