Foliar Fertilizer Combinations in Soybeans

Southern Illinois University, Carbondale, IL

Experiment Info	
Planted:	5/24/22
Harvested:	10/10/22
Yield Goal:	75 bu/a
Variety:	AG 43xF2
Pop.:	160000/a
Row Width:	30"
Prev. Crop:	Corn
Plot Size:	5'X20'
Reps:	4

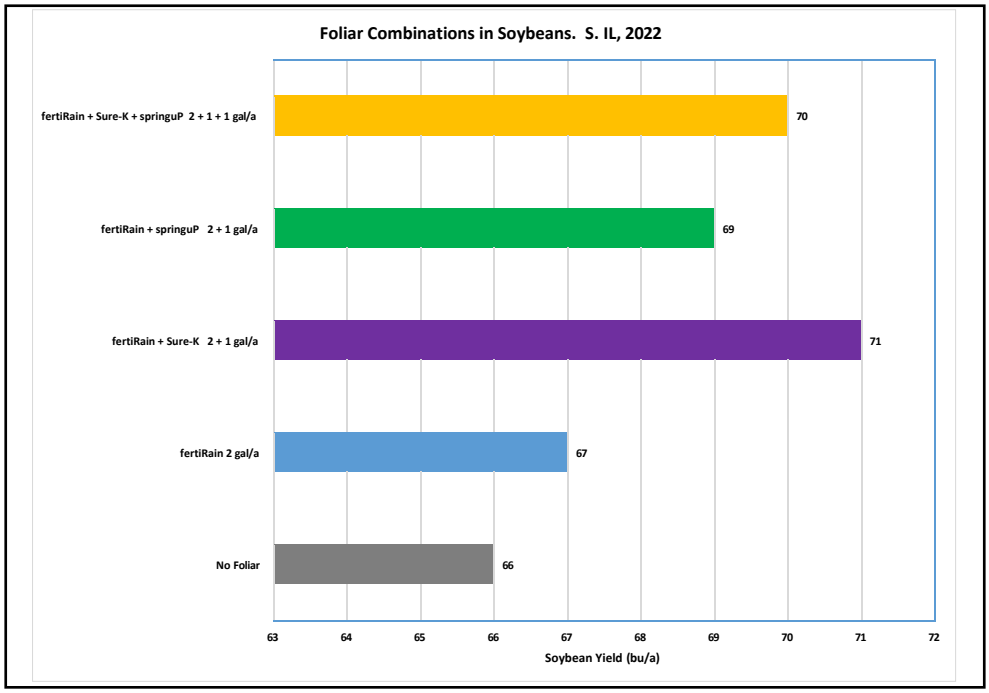
Soil Test (ppm)	
pH:	6.7
CEC:	9.3
%OM:	2.4
Bray P1:	10
Bicarb P:	
K:	110
S:	
%K:	
%Mg:	
%Ca:	
%H:	
Zn:	
Mn:	
B:	

Objective:

This trial was conducted in cooperation with Southern Illinois University in Carbondale, IL.

Potassium is one of the most important nutrients that can be supplied by foliar fertilizers. Phosphorus is another nutrient that may be beneficial when applied through foliar treatments.

AgroLiquid products fertiRain and Sure-K provide potassium and spring-uP provides phosphorus nutrition. The objective of this trial was to evaluate combinations of fertiRain, Sure-K, and spring-uP applied at R2 growth stage of soybeans.



LSD (0.2): 1.35

Conclusions:

Combinations of fertiRain with Sure-K and/or spring-uP improved soybean yield compared to no foliar treatment.

Addition of Sure-K to fertiRain for more potassium was more beneficial to soybean yield in this trial compared to adding spring-uP for phosphorus. That response is consistent with the lower than desired potassium level in the soil.

The experiment location received very little rain during the growing season which may have limited yield, and also limited the availability of potassium during the growing season.