

Experiment Info 704 :

Planted: 5/16
 Variety: Stine 22RC62
 Population: 149,000
 Row Spacing: 15"
 Previous Crop: Corn
 Plot Size: 15' x 265'
 Replications: 4
 Foliar: 7/3
 Harvested: 10/2

Experiment Info 714 :

Planted: 5/16
 Variety: Stine 22RC62
 Population: 149,000
 Row Spacing: 15"
 Previous Crop: Corn
 Plot Size: 15' x 265'
 Replications: 4
 Foliar: 7/2
 Harvested: 10/2

Experiment Info 719 :

Planted: 5/16
 Variety: Stine 22RC62
 Population: 149,000
 Row Spacing: 15"
 Previous Crop: Corn
 Plot Size: 15' x 265'
 Replications: 4
 Foliar: 7/13
 Harvested: 10/2

Experiment Info 802 :

Planted: 5/16
 Variety: Stine 22RC62
 Population: 149,000
 Row Spacing: 15"
 Previous Crop: Corn
 Plot Size: 15' x 265'
 Replications: 4
 Foliar: 7/12
 Harvested: 10/2

Objective:

To evaluate the advantages of a Sure-K foliar application on soybean yield.

Agro-Culture Liquid Fertilizers foliar program containing Sure-K has shown continuous yield response over the past year. However, many factors such as soil test levels, environmental conditions and timing play a role in yield response. In 2013 four experiments at the NCRS looked at the benefit of a foliar application of Sure-K compared to an untreated check. These yield results were also added into a long running summary from around the mid-west that compared the same treatments. With the four experiments from 2013, the summary now includes yield results from 150 experiments from the NCRS, contact research sites and grower's fields in four different states. 2013 yield and summaries appear on the table below.

Soybean Foliar Applications Containing Sure-K
North Central Research Station

Experiment #	Sure-K Foliar	No Foliar	Yield Difference
	<i>Yield - bu/A</i>		
13-704	53.6	53.1	0.5
13-714	71.6	64.4	10.2
13-719	67.2	64.2	3.0
13 + 802	62.1	64.7	(2.6)
2013 Average	63.6	60.9	2.7
1997-2013 Avg.	55.1	50.9	4.2

Conclusions:

- Soil test levels, weather conditions and other factors may influence yield response. Not every comparison shows a benefit.
- In 2013, there is a just over a 2 bu/A yield benefit to a Sure-K foliar application from the 4 locations. However, one location saw a loss, one was nearly even and one had a 10 bu/A increase so there was a lot of variability from one location to the next.
- 150 locations throughout the Midwest from 1997 to date has shown over a 4 bu/A yield increase with foliar applications of Sure-K.