

SCSB Final Report

General Information

Principal Investigator(s) Name(s):

David Gunter, Extension Feed Grain Specialist

Organization:

Clemson University

Date: 1/16/2019

Quarter: Final

Proposal Information

Title:

Obtaining One Hundred Yields in SC

Amount Expended to Date:

\$3,700

Project Summary

After planting, a good stand was established, and the initial treatments were applied, the rains came and the treatments during the growing season right up to harvest were not able to go out because of the wet conditions. The beds made it possible for the soybeans to keep from drowning, but they were however stunted at times during the growing season and it hurt their growth and no doubt the yield as well, but mainly the meat of the treatments had to be left out. Below is the results of what could be taken from the trial

Alpha= .05

Level	Harvested	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%	Conn Let
Kitchen Sink	18-Oct	64.4	6.89315	0.68932	61.63	67.102	B
Less Nitrogen	18-Oct	67.2	6.06792	0.61295	64.768	69.636	A
No Fertilizer	18-Oct	66.4	3.3658	0.33004	65.05	67.668	AB
No Minors	18-Oct	67.2	5.89968	0.59294	64.836	69.544	A
No Nitrogen	18-Oct	66.4	4.18407	0.42483	64.664	68.038	AB
No Sugar	18-Oct	67.8	3.0788	0.3019	66.566	68.96	A
Nothing Special	18-Oct	67.5	4.85595	0.48081	65.574	69.39	A

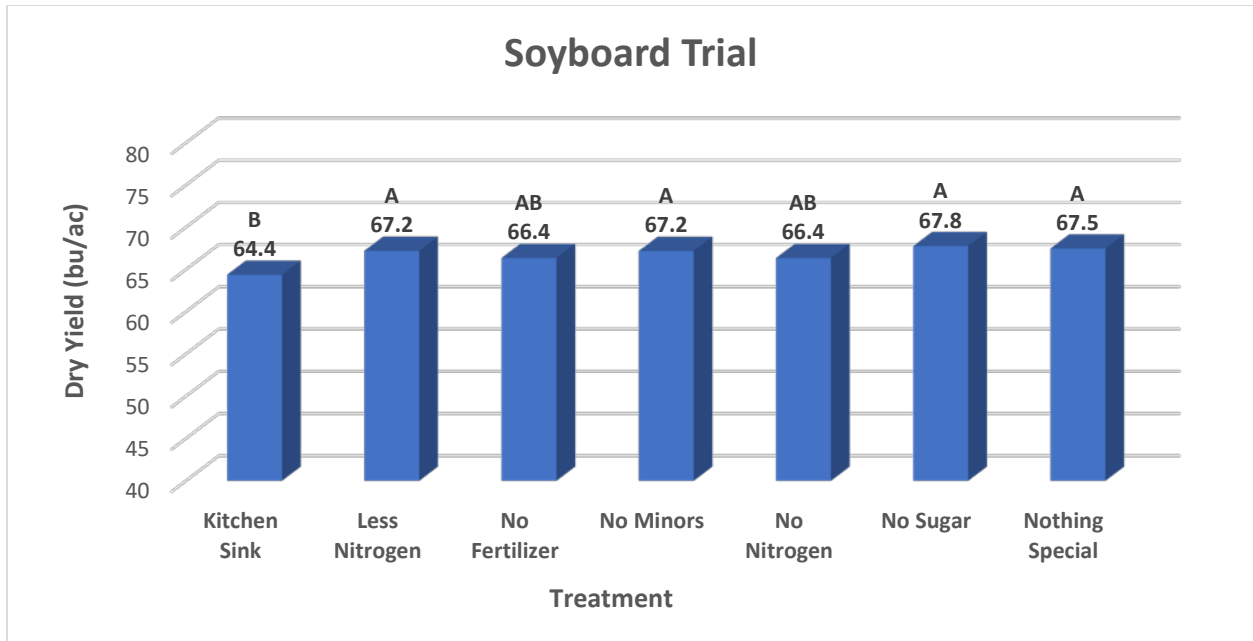
Actual Treatments

Starter Fertilizer- 6-22-6, 15gal/ac, 2x2, All except Nothing Special & No Fertilizer

Molybendum 10%- 10 gal/ac infurrow

Innoculant- 5oz/50lb bag of seed

7gal/ac of 25-S instead of AMS (Applied to surface with sprayer)



Key Performance Indicators

The trial was a bust once you try to figure out what was applied and how the wet weather affected the treatments that were supposed to be applied. The field was stunted once the roots became waterlogged. The trial was taken out to yield but it was probably a waste since nothing could be applied after planting.

Next Steps

I have no intentions of caring this project further. From the cost of the inputs that is needed to put in this project is not worth the result. The key to any crop is to make profits and all these inputs would surely hamper the returns, but if winning yield contests is important, then somebody else can figure out what works on a particular farm.

Additional Information

Again I haven't had any luck planting maturity group 4 soybeans. I believe at least below the lakes, maturity 5 beans are proven and will hold up under less than ideal conditions.