



100 Bushel Soybean Study – 2008

Planted: May 21, 2008 **Previous Crop:** Corn
Harvested: September 24, 2008 **Tillage:** Chisel / Field Cultivator (twice)
Rows: Eleven 15" rows **Herbicide:** 24 oz. Durango
Seeding Rate: 150,000 seeds/A. **Product Tested:** BECK 399NRR
Replications: Two (averaged)

RAINFALL	
April	4.64 in.
May	6.36 in.
June	3.12 in.
July	8.90 in.
August	<u>0.80 in.</u>
Total	23.82 in.

Purpose: This is our first attempt at 100 bushel soybeans here at the Southern PFR farm. This year's attempt was made using a combination of Cruiser, a micronutrient seed treatment, LCO Promoters as both foliar and seed treatments, Aim herbicide to shorten internode growth, and a foliar fungicide and insecticide application.

Base Treatment	Additional Treatment	Rep 1 Bushels Per Acre*	Rep 2 Bushels Per Acre*	Average Bushels Per Acre*
Sure Gro + Cruiser	Protinus	94.2	90.5	92.4
Sure Gro + Cruiser	Foliar LCO Promoter	88.3	91.9	90.1
Sure Gro + Cruiser	Optimize	87.5	90.9	89.2
Sure Gro + Cruiser		85.9	88.0	86.9
Sure Gro + Cruiser	Optimize + Protinus + Foliar LCO Promoter + Aim	82.5	88.5	85.5
Sure Gro + Cruiser	Aim	<u>84.6</u>	<u>81.2</u>	<u>82.9</u>
AVERAGE		87.2	88.5	87.8

*Bushels per acre corrected to 13% moisture.

Summary: Average to slightly below normal temperatures along with above average rainfall both the first and last week of July with a dry period in between, along with a cool August created an ideal environment for high yielding soybeans. Each entry in this study started with a base of BECK 399NRR with Cruiser insecticide seed treatment planted at 150,000 seeds per acre (approximately 15% higher than our standard 15" row planting population at Ft. Branch). Two entries were treated with additional seed treatments, Optimize (an LCO promoter) and Protinus (micronutrient treatment containing Zinc, Manganese, and Iron). Another entry was treated with a foliar LCO Promoter similar to Optimize while the fourth was sprayed with Aim herbicide to attempt to shorten internode growth to minimize lodging. The last entry was treated with all of the aforementioned treatments. All of these entries also received an application of 6 oz. of Headline fungicide as well as 2.5 oz. of Mustang Max at the R4 growth stage.

Although we didn't quite hit our 100 bushel goal, we came surprisingly close in the first year. The highest yielding entry in this study was BECK 399NRR with Cruiser and Protinus seed treatments and an application of Headline/Mustang Max at R4. This entry achieved 94.2 Bu./A. and had the highest average across both replications at 92.4 Bu./A.

"I started using Beck's when I went to their web site and found a few products that interested me. When I found out who my local dealer was he treated me just the same as if I was a large grower and has always given me great service no matter what time of day."

Eric Rennekamp
 Lawrenceburg, IN

