



Nebraska On-Farm Research Network

PreCede® on Soybeans

Study ID: 040023201401

County: Butler

Soil Type: Unknown

Planting Date: 5/21/2014

Harvest Date: 10/8/2014

Population: 168,000 seeds/ac

Row Spacing: 30"

Hybrid: Seitec 8261

Reps: 8

Soil Test Values: Not available

Previous Crop: Unknown

Tillage: Unknown

Herbicides: Pre: Unknown

Post: Unknown

Insecticides/Fungicides: Unknown

Fertilizers: Unknown

Irrigation: Yes

Rainfall: Unknown

Introduction: The purpose of this study is to determine effects of PreCede® on soybean yield and quality. 16 ounces per 1000 lbs seed was applied. PreCede® analysis is below.

PreCede Family	Analysis	Rate
PreCede Soy	0.25 + Transit	1 L/MT

Sponsored by:



In partnership with:



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture. University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.



Nebraska On-Farm Research Network

Results:

	Trifoliolate June 17	Trifoliolate June 23	Trifoliolate July 1	Trifoliolate July 8	Trifoliolate July 21		
Check	2.3 A	3.8 A	5.6 A	7.1 A	9.6 A		
PreCede®	2.3 A	3.8 A	5.8 A	7.1 A	9.9 A		
P-Value	0.1894	0.6715	0.1729	0.8882	0.1219		
	Chlorophyll June 17	Chlorophyll June 23	Chlorophyll July 1	Chlorophyll July 8	Chlorophyll July 21		
Check	26.2 A	26.4 A	28.5 A	31.0 A	36.7 B		
PreCede®	26.7 A	26.6 A	29.4 A	31.0 A	37.4 A		
P-Value	0.4429	0.7003	0.3373	0.9607	0.0527		
	Height (in) June 7	Height (in) July 1	Height (in) July 8	Height (in) July 21	Stem Height (in) June 23	Trifoliolate Height (in) June 21	
Check	8.5 A	8.4 A	10.4 A	16.8 B	4.8 A	1.8 A	
PreCede®	8.7 A	8.3 A	10.3 A	17.3 A	4.8 A	1.8 A	
P-Value	0.4071	0.6412	0.9172	0.0160	0.6308	0.5390	
	Yield† (bu/acre)	Oil (%)	Protein (%)	Population June 6	Pods July 31	Pods Aug. 21	Net Return ‡
Check	73 A*	20.1 A	32.9 B	115,652 A	36.5 A	35.3 B	\$730.00
PreCede®	73 A	19.5 B	33.8 A	114,672 A	37.7 A	36.9 A	\$728.28
P-Value	0.6835	0.0036	0.0235	0.8347	0.5370	0.0346	--

†Bushels per acre corrected to 13.0% moisture.

*Values with the same letter are not significantly different at a 90% confidence level.

‡Net return based on \$10.00/ac soybean price and \$1.72/ac PreCede cost.

Summary: The addition of PreCede® seed treatment resulted in no significant differences in trifoliolate count, chlorophyll content, and plant height except for on July 21st when chlorophyll content and plant height were significantly greater for the PreCede® treatment. There was a significant increase in protein content and a significant decrease in oil content for PreCede® treatment. The pod count on August 21st saw a significant increase with PreCede®. There was no significant difference in yield between the PreCede® treatment and the check. This resulted in a decline in net return equal to the cost of the PreCede® treatment.

Sponsored by:



In partnership with:



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

University of Nebraska–Lincoln Extension educational programs abide with the nondiscrimination policies of the University of Nebraska–Lincoln and the United States Department of Agriculture.