



Nebraska On-Farm Research Network

Commence® Seed Treatment on Soybeans

Study ID: 114023201501

County: Butler

Soil Type: Hastings silt loam; Butler silt loam; Hastings silty clay loam; Hobbs silt loam;

Planting Date: 6/2/15

Harvest Date: 10/24/15

Tillage: No-Till

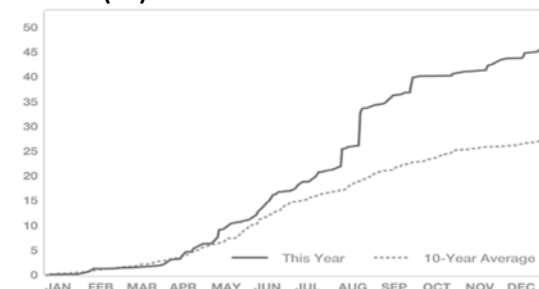
Row Spacing (in.) 36

Hybrid: Mycogen 5N284R2

Reps: 8

Irrigation: yes, Total: unknown, rainy year, only some irrigation applied

Rainfall (in.):



Introduction: This study was looking at Commence® seed treatment applied to soybeans. The product was applied at 2 oz/50 lbs of seed. Product cost was \$6/ac and application of the product was \$2/ac. This product was a stand-alone application on soybeans. Product information is at right.

GUARANTEED ANALYSIS

Cobalt (Co)..... 1.90%
Copper (Cu)..... 0.45%
Iron (Fe)..... 0.94%
Manganese (Mn)..... 0.61%
Zinc (Zn)..... 0.38%

PLANT NUTRIENT DERIVED

FROM: Cobalt Carbonate, Cobalt Sulfate, Copper (II) Carbonate, Iron (III) Oxide, Manganese (II) Oxide, Manganese (II) Sulfate, Zinc Carbonate, Zinc Sulfate

Product information from:

http://www.kellysolutions.com/erenewals/documentssubmit/KellyData/ND%5CFertilizer%5CProduct%20Label%5CCommence_for_Soybeans_9_1_2015_10_52_24_AM.pdf

Results:

Note: Plots were not randomized therefore conclusions should not be extrapolated beyond this field.

	Stand Count		Height (in.)				
	June 25	June 25	July 7	July 13	July 21	July 31	Aug 12
Check	147,696 A	3.6 A	6.4 A	8.9 A	14.9 A	21.1 A	32.7 A
Commence 8 oz/ac	148,807 A	3.5 A	6.4 A	9.2 A	15.3 A	21.4 A	33.6 A
P-Value	0.7408	0.8317	0.6504	0.1681	0.2713	0.4578	0.1463

	Trifoliolate Nodes					
	June 25	July 7	July 13	July 21	July 31	Aug 12
Check	2 A	5 A	6 A	8 A	10 A	13 A
Commence 8 oz/ac	2 A*	4 A	6 A	8 A	10 A	13 A
P-Value	0.4424	0.8682	0.1094	0.6586	0.2086	0.6291

	Pods/plant Aug 12	Chlorophyll Meter Aug 12	Yield (bu/ac)†	Protein (%)	Oil (%)	Weight (g/100 seeds)	Marginal Net Return (\$/ac)‡
Check	31 A	39.1 A	60 A	43.2 A	18.7 A	16 A	534.00
Commence 8 oz/ac	32 A	39.0 A	60 A	43.1 A	18.5 A	16 A	526.00
P-Value	0.5033	0.7999	0.2634	0.3807	0.6058	0.1702	N/A

†Bushels per acre corrected to 13% moisture.

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

‡Net Return based on \$8.90/bu soybeans and \$8/acre Commence seed treatment and application cost.

Summary: There was no height, trifoliolate node, stand count, pods per plant, chlorophyll reading, yield, % protein, % oil, or seed weight differences between the two treatments.



In Partnership with:



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