



# Nebraska On-Farm Research Network

## Clariva™ Seed Treatment on Soybeans

**Study ID:** 010053201401

**County:** Dodge

**Soil Type:** Janude loam, clayey substratum and Zook silt loam

**Planting Date:** 5/5/2014

**Harvest Date:** 10/9/2014

**Population:** 160,000 seeds/ac

**Row Spacing:** 30"

**Hybrid:** Pioneer 92Y83

**Reps:** 7

**Previous Crop:** Corn

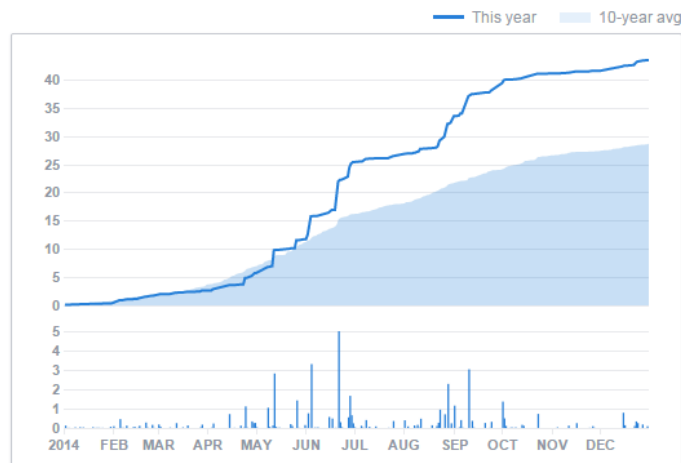
**Tillage:** No-till

**Herbicides:** Pre: Not available  
Post: Not available

**Insecticides/Fungicides:** Poncho/VOTIVO® Seed Treatment

**Irrigation:** Pivot

**Rainfall:**



**Introduction:** This field had suspected high levels of soybean cyst nematode (SCN). This pest can significantly lower soybean yields without any visual symptoms on the plant. A seed treatment product Clariva™ Complete is promoted as a product that offers protection against SCN. This product was tested for ability to increase soybean yield. All seed (both check and Clariva™ treated seed) were treated with Poncho/VOTIVO®. The variety used was rated at 8 (out of 9, with 9 being the best) for SCN Race 3 and 6 for SCN Race 14. Following the 2014 growing season, samples were taken for SCN and came back positive with an average of 660 eggs per 100 cc of soil (3 oz) for the field. Below are the results of the SCN test by strip. The soil samples were not taken in all of the treatments of the paired comparison therefore statistical difference of the SCN egg counts by treatment cannot be obtained.

SCN Results (eggs per 100 cc's of soil (3oz))					
	Sample 1	Sample 2	Sample 3	Sample 4	Average
With Clariva™	2200	280	840	240	890
Check	400	800	160	360	430

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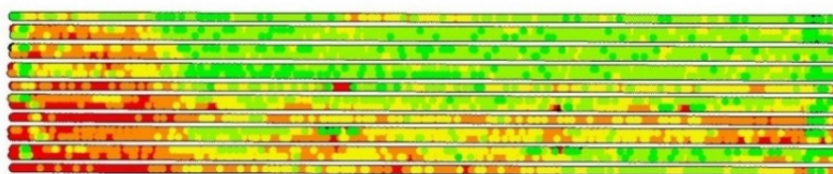
## Results:

	Yield† (bu/acre)	Moisture (%)	Net Return ‡
Check	63 A*	12.4 A	\$630.00
Clariva™	63 A	12.8 A	\$609.00
P-Value	0.6176	0.2986	--

†Bushels per acre corrected to 15.5% moisture.

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

‡Net return based on \$10/bu soybeans and \$21/ac Clariva™.



bu/ac

- 31.2 - 54.6
- 54.61 - 60.7
- 60.71 - 66.0
- 66.01 - 72.4
- 72.41 - 91.1

**Summary:** Although this field tested positive for soybean cyst nematode, the Clariva™ seed treatment did not result in a yield increase, and therefore had lower net returns.

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