

Nebraska Soybean & Feed Grains Profitability Project

**Years:** 2008  
**Title:** Insect Resistant Hybrids  
**Crop:** Corn  
**NSFGPP Operator:** Bob Bartek, Saunders County  
**Private Industry Cooperator:** Keith Glewen & Nathan Cernik  
**Objective:** To determine & document the effect of growing corn hybrids with insect tolerant traits on the profitability of corn production in a corn-soybean rotation.  
**Treatments:** No insect resistance (hybrid)  
 Corn borer resistant (hybrid)  
 Corn rootworm resistant (hybrid)

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**Results: 2008**

	Insect Resistance			Prob>F
	LG2614RR <u>None</u>	LG2614RRBT <u>Borer</u>	LG2614VT3 <u>Rootworm</u>	
Yield, bu/ac @ 15.5%	144	148 **	170 ***	<.0001 ***
Moisture, %	15.1 **	15.3	15.4	0.0107 **
Test Wt, lbs/bu	61.6 **	62.1	61.8	0.0330 **
Plants, 1000/ac	21.9	22.8	23.3	0.0782 *
Cost/ac	\$48.34	\$53.40	\$60.69	
Plant Population, 23,500 plants/ac				

Planting Date: 5/7/08                      Harvesting Date: 11/21/08

Summary: Seed with corn borer resistance produced a higher yield than the non-Bt hybrid; however, rootworm resistance produced a higher yield. The non-Bt corn was slightly drier at harvest and had the lowest test weight in 2008.