

Nebraska Soybean & Feed Grains Profitability Project

Years: 2006-2007
Title: Rootworm Control
Crop: Pivot Irrigated Corn
NSFGPP Operator: Ron Bopp, Dodge County
Private Industry Cooperator: Ron Schultz
Objective: To determine & document the effect of using Poncho 1250 vs. CRW Herculex 2 XTRA Hybrid for the control of corn rootworms.
Treatment: 2006 - Pio 34A16 Poncho 1250 vs. Pio 34A18 Herculex CRW Hybrid
 2007 - Dekalb 61-66 YieldGard Plus vs. Pioneer 33D14 Herculex 2 Extra.

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Results: 2006	(Pio 34A16)	(Pio 34A18)	
<u>Variable</u>	<u>w/Poncho</u>	<u>CRW</u>	<u>Prob >/T/</u>
Yield, bu/ac @ 15.0	196	204	<.0001***
Moisture, %	16.5	16.4	0.197 ns
Plants (June), 1000/ac	31.3	31.5	---
Plants (Harvest), 1000/ac	30.2	31.2	---
Beetle Counts (July 10)	4.5	0.4	---
Beetle Counts (July 17)	5.5	1.5	---
Node Injury (July 10)	0.825	0.065	---
Lodged Plants, % (Aug 21)	9.3	0	---
Cost/ac	\$60.23	\$60.54	

Planting/Harvesting Date: 4-24-06 / 10-20-06

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Results: 2007

<u>Variable</u>	<u>(Dekalb 61-66)</u>	<u>(Pioneer 33D14)</u>	<u>Prob >/T/</u>
Yield, bu/ac @ 15.0	215	208	0.002 ***
Moisture, %	14.4	14.9	0.0002 ***
Plants, 1000/ac	30.3	30.0	0.370 ns
Cost/ac (seed)	\$67.26	\$65.63	

Planting Date: 4/30/07

Harvesting Date: 10/27/07

Summary: Grain yield was significantly higher in 2006 for the CRW Hybrid. In 2007, the YieldGard Plus Hybrid had the highest grain yield & the lowest grain moisture at harvest. CRW damage to roots was minimal to this second year corn field in 2007.