



Nebraska On-Farm Research Network

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| Years: | 2008 |
| Title: | Insect Resistant Hybrids |
| Crop: | Corn |
| Study ID: | 119109200801 |
| County: | Lancaster |
| Objective: | To determine & document the effect of growing corn hybrids with insect tolerant traits on the profitability of producing corn in rotation with soybeans. |
| Treatments: | No insect resistant (hybrid) Corn borer resistant (hybrid) Borer & rootworm resistant (hybrid) |

Nebraska Soybean & Feed Grains Profitability Project



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.

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Results: 2008

| <u>Variable</u> | Insect Resistant | | | <u>Prob >F</u> |
|----------------------|------------------|---------------------|-----------------------------|-------------------|
| | <u>GH8852GT</u> | <u>GH8952(CBLL)</u> | <u>GH8953(CBLLRW)</u> | |
| | <u>None</u> | <u>Borer</u> | <u>Borer & Rootworm</u> | |
| Yield, bu/ac @ 15.5% | 148 | 157 * | 150 | 0.143 ns |
| Moisture, % | 20.4 | 20.5 | 20.9 * | 0.090 * |
| Test Wt, lbs/bu | 54.8 | 54.3 | 53.4 ** | 0.004 *** |
| Plants, 1000/ac | 25.0 | 25.5 | 24.6 | 0.415 ns |
| Cost/ac | \$40.35 | \$38.46 | \$48.13 | |

Planting Date: 5/5/08

Harvesting Date: 10/2/08

Summary: Results for 2008 are quite variable; thus, minimal effects were detected. The corn borer/rootworm hybrid had slightly wetter grain at harvest and slightly lower test weight.

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