

Nebraska On-Farm Research Network

Evaluating the Yield Response of Insect Control Traits in Rainfed Corn

Study ID: 030109201403

County: Lancaster

Soil Type: Kennebec/Judson – Silt Loam

Planting Date: 4/19/2014

Harvest Date: 11/10/2014

Population: 28,000

Row Spacing: 30"

Hybrid: DKC 62-97

Reps: 8

Previous Crop: Soybeans

Tillage: No-Till

Herbicides: Pre: 2.1 qt Trizmet II Early March

Post: 1.87 oz Callisto + 24 oz Roundup

PowerMAX – Early June.

Insecticides/Fungicides: Poncho 250,
Acceleron

Fertilizer: 160 lbs NH₃ – November 2013.

Introduction: Corn hybrids today can be purchased with and without pest management traits. The purpose of this study was to evaluate the performance of two hybrids genetically the same except for the addition of the corn rootworm trait.

Results:

	Yield [†] (bu/acre)	Moisture (%)	Net Return [‡]
DKC 6297 VT2	221 A*	16.62 A	\$773.12
DKC 6297 VT3	221 A	16.70 A	\$764.02
P-Value	0.9749	0.4749	--

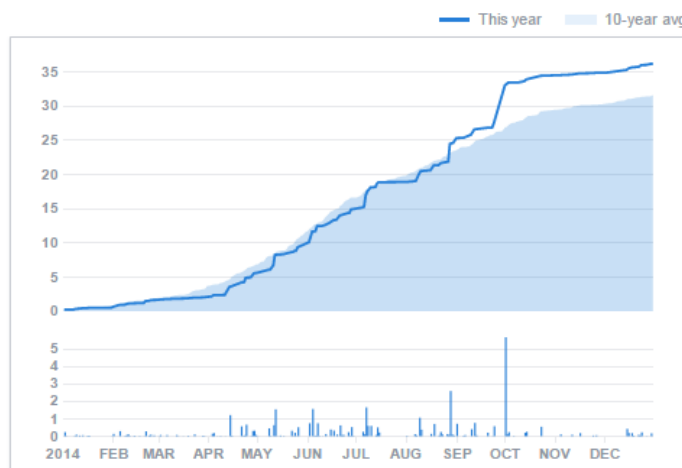
[†]Bushels per acre corrected to 15.5% moisture.

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

[‡]Net return based on \$3.50 corn and \$9.31/acre marginal additional cost for VT3 trait over VT2

Irrigation: Not irrigated

Rainfall:



Summary: There was no yield or moisture difference between the hybrid with and without pest management traits.

Sponsored by:



In partnership with:

