



Nebraska On-Farm Research Network

Torque™ on Corn

Study ID: 026185201401

County: York

Soil Type: Hastings silt loam

Planting Date: 4/29/2014

Harvest Date: 10/9/2014

Population: 34,000

Row Spacing: 30"

Hybrid: Pioneer 33D53

Reps: 6

Soil Test Values: Not available

Previous Crop: Soybeans

Tillage: Ridge till

Herbicides:

Pre: 2.1 qt/ac Bicep II Magnum FC of Bicep II Magnum at planting.

Post: 32 oz/ac Glyphosate with 1 lb/ac sugar on 6/11/2014

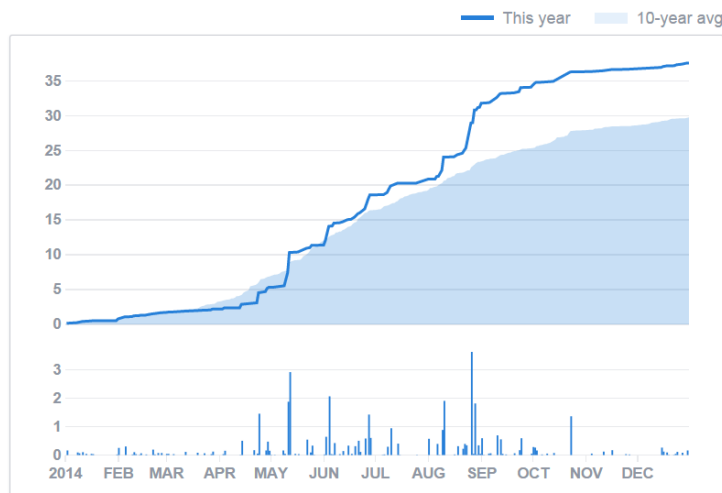
Insecticides/Fungicides: Unknown

Fertilizer: 165 lb/ac anhydrous ammonia pre-plant. 4 gal/ac 10-34-0 at planting.

Irrigation: Pivot, July: 2.5", Aug: 2.5"

Note: Hailed 6/4/14, 7/7/14, 7/31/14

Rainfall:



Introduction: This study was designed to determine the effect of applying Torque™ to corn and its effect on yield and corn production economics. The Torque™ treatment was compared to untreated checks. Torque™ was applied at 8 oz/ac in-furrow with the starter fertilizer.

MINIMUM GUARANTEE

ACTIVE: 2 x 10⁷% lipo-chitooligosaccharide (LCO) formulated for corn applications

OTHER INGREDIENTS: Aqueous carrier > 99%

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Results:

	Yield† (bu/acre)	Moisture (%)	Net Return ‡
Check	205 A*	16.9 A	\$717.50
Torque™	204 A	17.0 A	\$708.50
<i>P-Value</i>	0.3823	0.1019	--

†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/bu corn price and \$5.50/ac Torque™ cost.

Summary: There was no significant difference in yield or moisture between the check and the Torque™ treatment.

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