



Nebraska On-Farm Research Network

Row Cleaners in the Production of Rainfed Corn

Study ID: 030109201404

County: Lancaster

Soil Type: Aksarben – Silty Clay Loam

Planting Date: 5/4/2014

Harvest Date: 11/10/14

Population: 30,000

Row Spacing: 30"

Hybrid: DKC 62-97

Reps: 8

Soil Test Values: not available

Previous Crop: Soybeans

Tillage: No-till

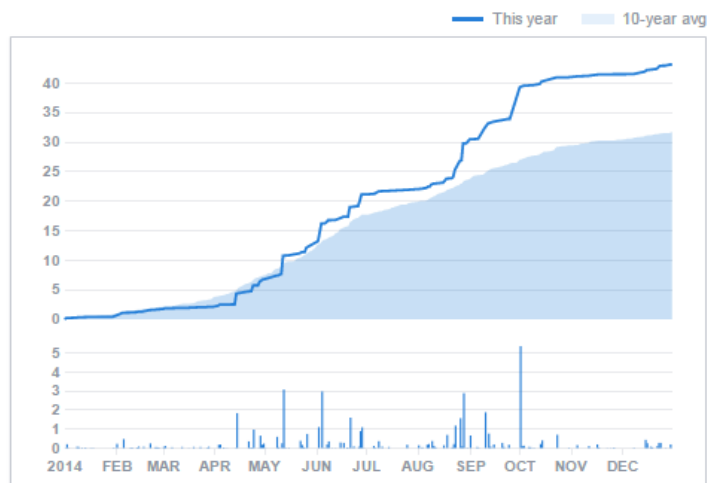
Herbicides: Pre: 2.1 qt Trizmet II

Post: 1.87 oz Calisto + 24 oz Roundup

PowerMAX - Early June

Insecticides/Fungicides: Poncho 1250, Accelron

Fertilizer: 160 lbs NH₃ - Nov 2013



Introduction: Many corn growers have a significant dollar investment in adding row cleaning devices to their planters. The purpose of this study was to document the yield impact from the use of row cleaners in the production of rainfed corn.

Results:

	Yield [†] (bu/acre)	Moisture (%)	Net Return [‡]
Check	206 A*	16.2 A	\$720.27
Residue Remover	204 A	16.2 A	\$712.27
P-Value	0.1207	0.2470	--

[†]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, row cleaners \$320/row, 16 row planter, \$5120 over 5 years over all acres, final = \$1/ac

Summary: There was no yield or moisture difference between the check and residue remover treatment. More erosion noted where row cleaners were used.

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