



Nebraska On-Farm Research Network

RyzUp Smartgrass® Growth Regulator on Corn

Study ID: 026185201402

County: York

Soil Type: Hastings silt loam

Planting Date: 4/23/2014

Harvest Date: 10/25/2014

Population: 34,000

Row Spacing: 30"

Hybrid: Pioneer 1690

Reps: 8

Soil Test Values: Not Available

Previous Crop: Corn

Tillage: Ridge till

Herbicides:

Pre: 2.1 qt/ac Bicep II Magnum FC of Bicep II Magnum on 4/23/2014

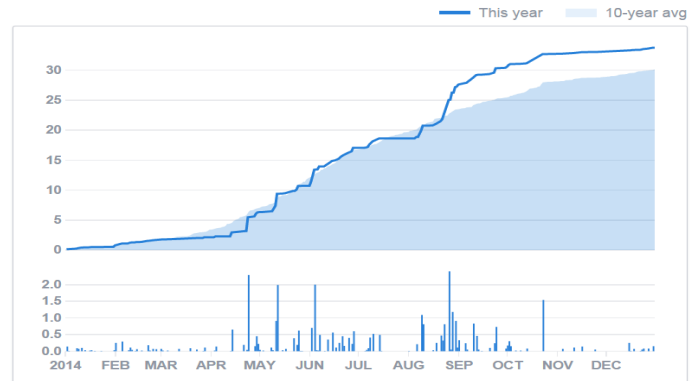
Post: 32 oz/ac Glyphosate with 1 lb/ac sugar on 6/10/2014

Insecticides/Fungicides: 6 oz/ac Brigade at planting

Fertilizers: 150 lb N/ac anhydrous ammonia in spring. 10 gal/ac 10-34-0 at planting as starter.

Irrigation: Pivot, July: 3.5", August: 0.9"

Rainfall:



Introduction: This study was designed to look at the effect of RyzUp Smartgrass® Growth Regulator by Valent® BioSciences at the rate of 0.5 oz/acre applied at V7 on 6/20/14 compared to none. Product label is shown at right. No surfactant was used in the application of RyzUp SmartGrass®.

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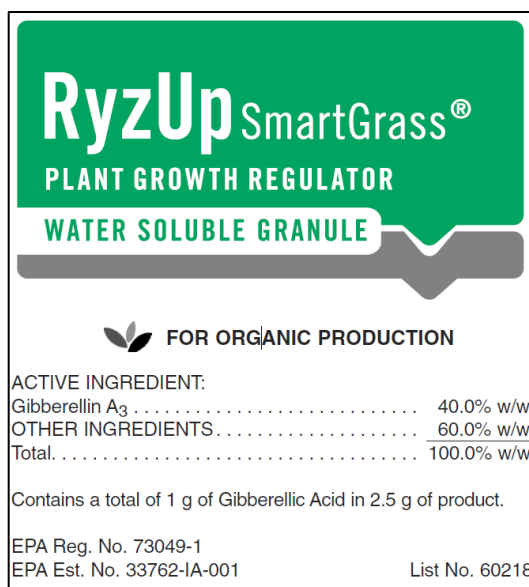
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Results:

	Yield† (bu/acre)	Moisture (%)	Net Return ‡
Check	223 A*	20.1 A	\$780.50
RyzUp Smartgrass®	223 A	20.1 A	\$764.39
P-Value	0.5562	0.7849	--

†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, \$9.30/ac product cost, and \$6.81/ac application cost.

Summary: The RyzUp Smartgrass® treatment did not result in a significant yield increase. Net returns for RyzUp Smartgrass® treated corn were lower due to increased cost of production which were not recovered.

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