



Nebraska On-Farm Research Network

RyzUp SmartGrass® on Corn

Study ID: 180155201501

County: Saunders

Soil Type: Tomek silt loam; Yutan silty clay loam;

Planting Date: 4/22/15

Harvest Date: 10/20/15

Population: 36,000

Row Spacing (in.) 30

Hybrid: Pioneer P1266AM

Reps: 7

Previous Crop: Soybean

Tillage: No-Till

Herbicides: *Pre:* 4 oz/ac Corvus and 1 pt/ac 2-4,D burndown *Post:* 30 oz/ac Durango 30, 2 oz/ac Laudis, and 8 oz/ac Atrazine

Seed Treatment: Poncho 1250

Foliar Insecticides: None

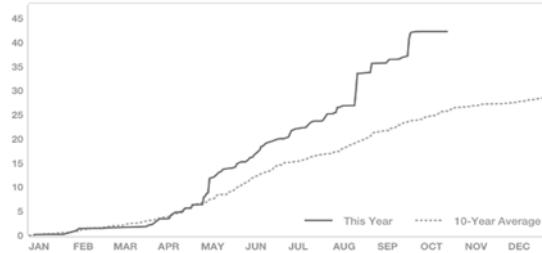
Foliar Fungicides: 10 oz Headline Amp - Post Tassel

Fertilizer: 180 lbs/ac NH3 Fall 2014

Starter - 36 lbs/ac N, 32 lbs/ac P,
12 lbs/ac S

Irrigation: Pivot, Total: unknown

Rainfall (in.):



Introduction: The purpose of this study was to determine the effect of RyzUp SmartGrass® growth promoter on corn yield. The product was applied with herbicide and 1 qt of NIS per 100 gal of water on 6/1/15 when corn was at V4. Stalk lodging was assessed using the "push" method on 10/6/15.

Results:	Yield†	Moisture (%)	Lodging (%)	Net Return‡
Check	240 A*	14.3 A	33 A	876.00
RyzUp SmartGrass (0.5 oz)	237 A	14.3 A	24 B	855.05
P-Value	0.1435	0.9136	0.0228	N/A

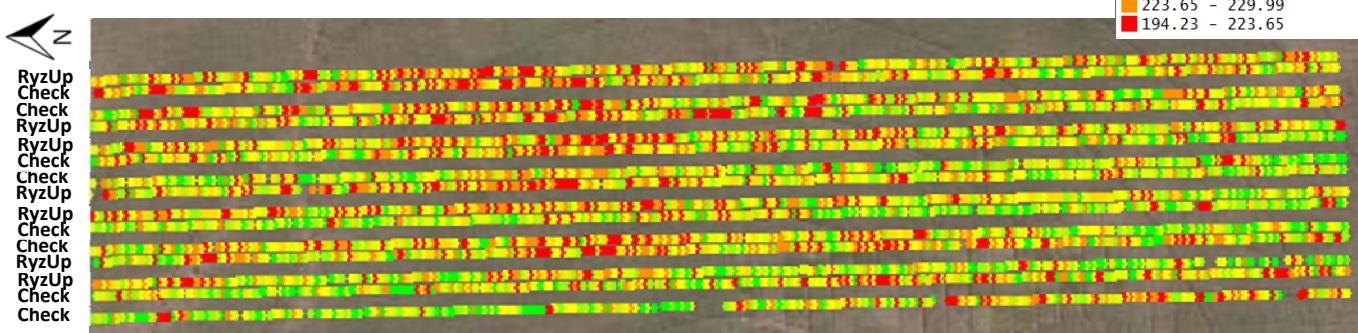
†Bushels per acre corrected to 15.5% moisture.

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

‡Net Return based on \$3.65/bu corn price and \$10/ac product treatment cost.

Estimated Volume (Dry)
(bu/ac)

255.84	-	276.33
248.02	-	255.84
241.37	-	248.02
235.89	-	241.37
229.99	-	235.89
223.65	-	229.99
194.23	-	223.65



Summary: There was no significant difference in yield or moisture between the RyzUp SmartGrass® treatment and the check. The RyzUp SmartGrass® treatment had lower stalk lodging.



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