



## 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

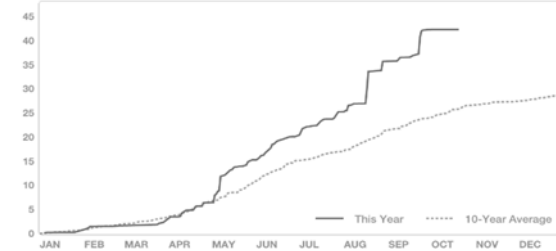
**Fertilizer:** 180 lbs/ac NH3 Fall 2014

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

12 lbs/ac S

**Irrigation:** Pivot, Total: unknown

**Rainfall (in.):**



Product information from:  
<http://www.valent.com/agriculture/products/ryzupsmartgrass/label-msds.cfm>

**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.

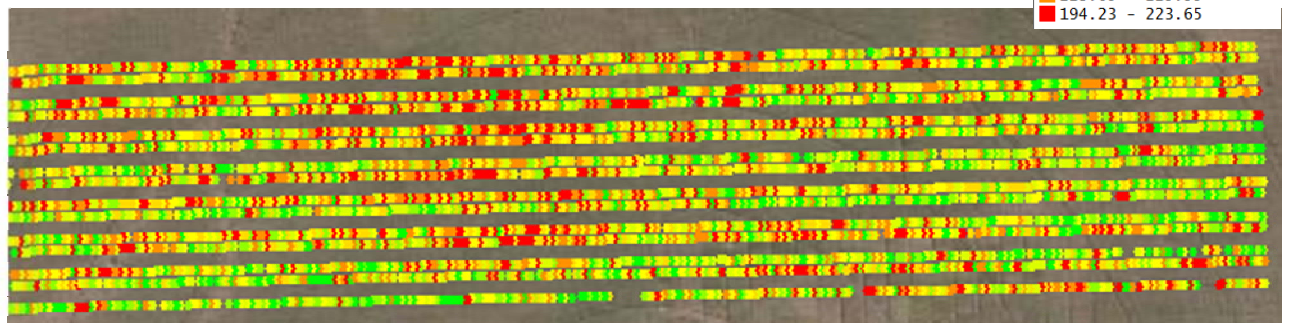
‡Net Return based on \$3.65/bu corn price and \$10/ac product treatment cost.

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 |



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**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.



This study was sponsored in part by: Valent U.S.A. Corporation.

In Partnership with:



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