RyzUp SmartGrass® on Soybeans at Unifoliate and V2

Study ID: 039155201601
County: Saunders
Soil Type: Tomek silt loam 0-2% slope; Filbert silt loam 0-1% slope; Yutan silty clay loam 2-6% slopes, eroded
Planting Date: 5/7/16
Harvest Date: 9/30/16
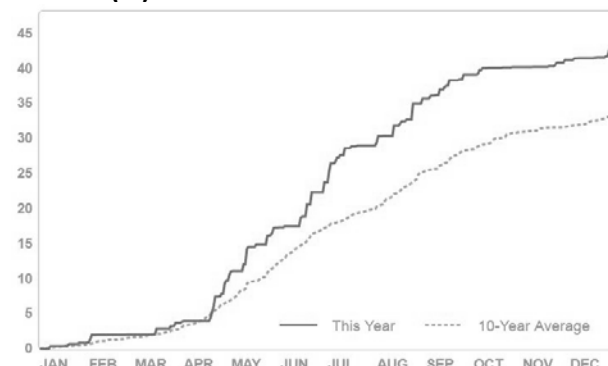**Population:** 119,310
Row Spacing (in): 15
Hybrid: S31-F1
Reps: 5
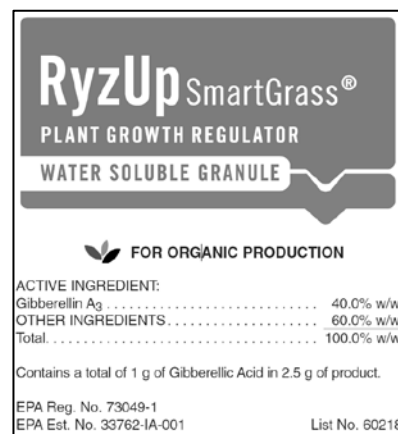**Previous Crop:** Seed Corn
Tillage: No-Till
Seed Treatment: Mertect® and Clariva™

Irrigation: None
Rainfall (in):

Introduction: RyzUp SmartGrass® was applied two times, at Unifoliate and V2. RyzUp SmartGrass active ingredients are at right. The first application of RyzUp SmartGrass was 0.3 oz/acre with Quest® 0.25% v/v on June 2, 2016. Solution was 10 gpa. The second application of RyzUp SmartGrass was 0.3 oz/ac with Quest at 0.17 lb/ac applied on June 10, 2016. RyzUp SmartGrass is not currently labeled for use in soybeans, however there is a tolerance for the active ingredient. There were some areas in the field with sudden death syndrome and some areas which were drowned out.

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

Results:

	Pods/plant	Yield (bu/ac)†	Seeds per lb	Protein (%)	Oil (%)	Marginal Net Return‡ ($/ac)
Check	51	73	2,326	36.4	20.8	698.29
RyzUp 0.3 oz at VU and V2	54	75	2,176	36.5	21.4	672.96
P-Value	N/A	N/A	N/A	N/A	N/A	N/A

†Yield standardized to 10% moisture.
‡Marginal net return based on $9.25/bu soybean, $6.82/ac per application, $7.67/ac product costs for the first application, and $4.02/ac product costs for the second application.

Summary: Treatments were replicated but not randomized, therefore, a statistical analysis was not performed and conclusions could not be drawn. Treatment means are provided in the results table.