Evaluation of Seed Treatment in Soybeans

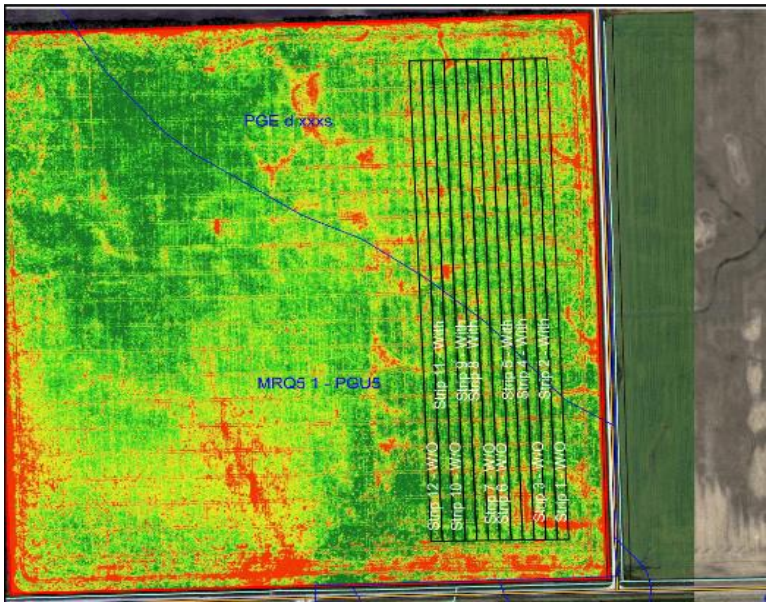
Trial ID: 2017-SST05 – R.M. of St Andrews

Objective: Quantify the agronomic and economic impacts of a seed treatment in soybean fields. A fungicide seed treatment was compared to an untreated check strip.

TRIAL INFORMATION	
Treatment	EverGol Energy
Rural Municipality	St Andrews
Previous Crop	Soybeans
Soil Description	Clayey Lacustrine
Tillage	Deep Tillage 2x
Planting Date	May 20, 2017
Variety	24-10 RY
PRR Gene	1k
Row Spacing	10”
Seeding Rate	180,000 seeds/ac
Plant Stand @V1 (With)	170,000 plants/ac
Plant Stand @V1 (W/O)	166,000 plants/ac
Harvest Date	October 11, 2017

With = Treated, W/O = Untreated, PRR = Phytophthora Root Rot

FIELD IMAGE

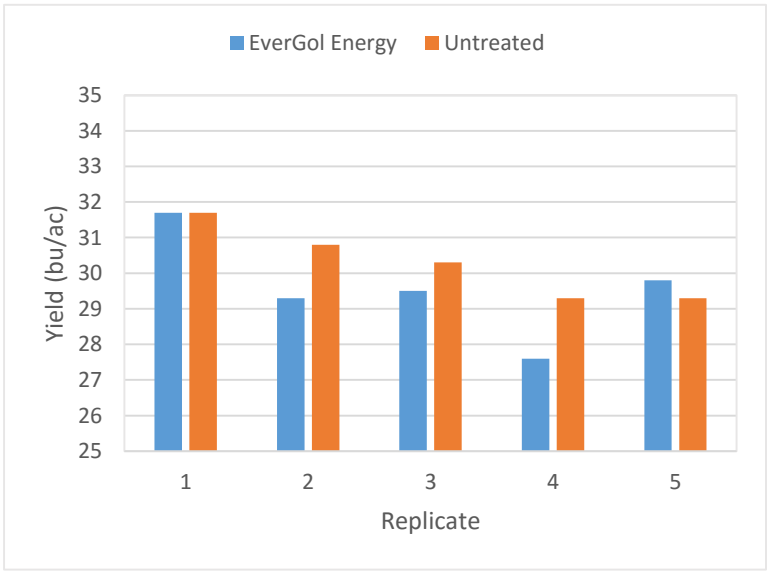


PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	22.5	48.8	72.2	38.3
Normal	83.0	107.1	98.0	82.6

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD

	Mean (bu/ac)
EverGol Energy	29.6
Untreated	30.3
Yield Difference	-0.7
P-Value	0.1734
CV	4.2%
Significance	**No**

Summary: There was no significant yield difference between EverGol Energy seed treatment and untreated check strips. The plant stand at growth stage V1 (first trifoliate) was not significantly different between treatments.

MPSG would like to thank Bayer for providing the chemical for this trial and Tone Ag Consulting for conducting the research

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