Evaluation of Seed Treatment in Soybeans

Trial ID: 2017-SST01 – R.M. of Glenella-Lansdowne

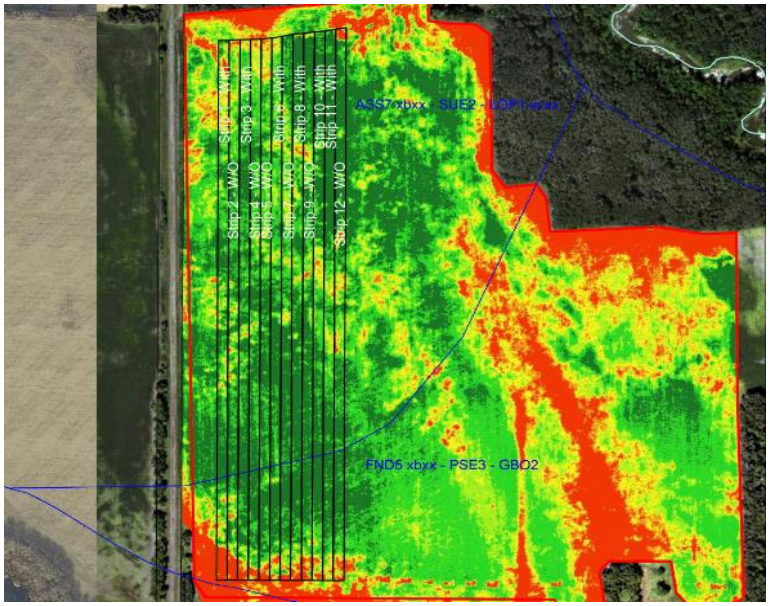
Objective: Quantify the agronomic and economic impacts of a seed treatment in soybean fields. A fungicide and insecticide seed treatment was compared to an untreated check strip.

TRIAL INFORMATION

Treatment	EverGol Energy + Stress Shield
Rural Municipality	Glenella-Lansdowne
Previous Crop	Corn
Soil Description	Loamy/Sandy Lacustrine
Tillage	Disc 2x
Planting Date	May 15, 2017
Variety	LS 003R24N
PRR Gene	1c, 1k
Row Spacing	20”
Seeding Rate	172,000 seeds/ac
Plant Stand @V1 (With)	158,000 plants/ac
Plant Stand @V1 (W/O)	162,000 plants/ac
Harvest Date	September 29, 2017

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

FIELD IMAGE

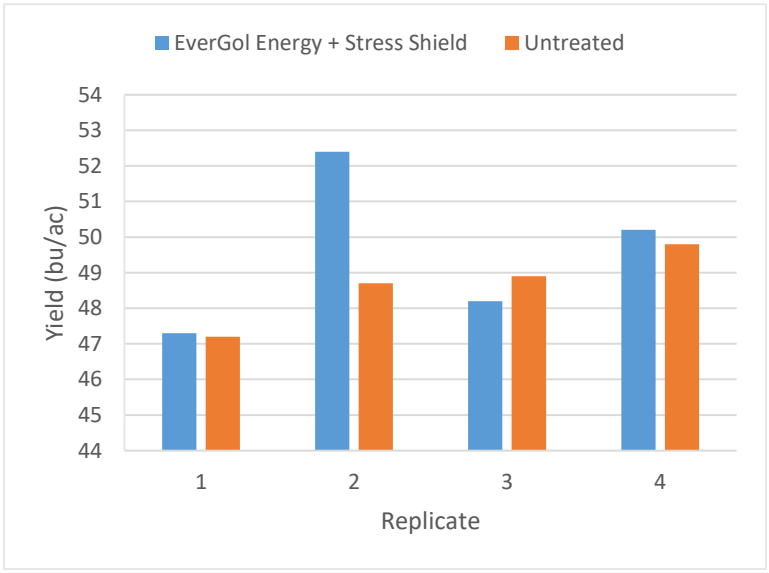


PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	31.7	78.9	34.0	21.8
Normal	63.1	82.4	76.6	63.9

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD

	Mean (bu/ac)
EverGol Energy + Stress Shield	49.5
Untreated	48.7
Yield Difference	0.8
P-Value	0.4335
CV	3.5%
Significance	**No**

Summary: There was no significant yield difference between EverGol Energy + Stress Shield 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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