

Soybean Seed Treatment Trial

Trial ID: 2016-SST05 – R.M. of Portage la Prairie

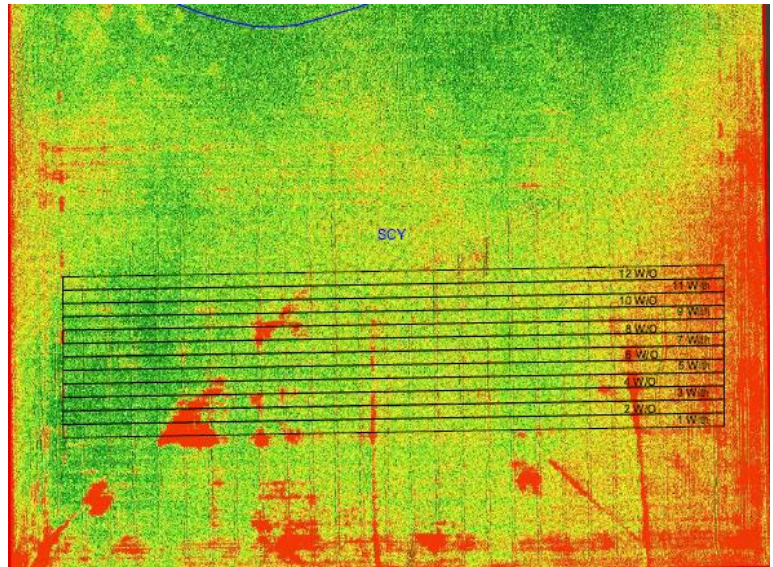
Objective: Quantify the agronomic and economic impacts of a seed treatment in soybean fields. A fungicide and insecticide seed treatment was compared to an untreated check strip.

TRIAL INFORMATION

Treatment	EverGol Energy + Stress Shield
Rural Municipality	Portage la Prairie
Previous Crop	Barley
Soil Description	Clayey Lacustrine
Tillage	Conventional
Planting Date	May 20, 2016
Variety	TH 32004R2Y
PRR Gene	1c
Row Spacing	7.2"
Seeding Rate	210,000 seeds/ac
Plant Stand @V1 (With)	203,000 plants/ac
Plant Stand @V1 (W/O)	197,000 plants/ac
Harvest Date	September 20, 2016

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

FIELD IMAGE – AUG. 17 (GROWTH STAGE R5.5)



PRECIPITATION†

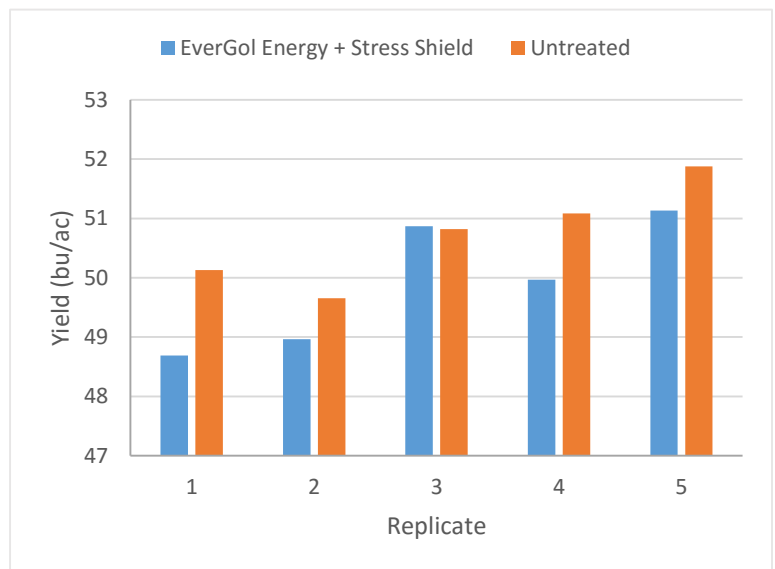
	May	June	July	Aug
Rainfall	47.5	90	95	63
Normal	60	85	78	75

† Growing season precipitation (mm)

OVERALL YIELD

	Mean (bu/ac)
EverGol Energy + Stress Shield	49.9
Untreated	50.7
Yield Difference	-0.8
P-Value	0.3505
CV	2.0%
Significance	No

STRIP YIELD



Summary: There was no significant yield difference between EverGol Energy + Stress Shield seed treatment and untreated check strips. There is a stepwise increase in yield from rep 1 to rep 5, suggesting that there is a field gradient from rep 1 to rep 5. Due to the lack of randomization, field variability likely had an effect on the outcome of this trial.