Soybean Seed Treatment Trial

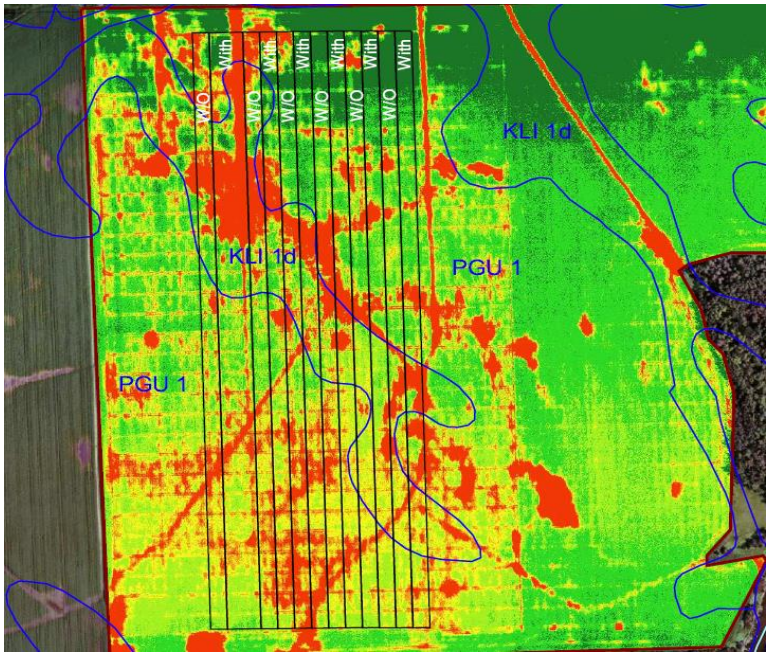
Trial ID: 2015-SST10 – R.M. of St Andrews

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	Cruiser Maxx Vibrance Beans
Rural Municipality	St Andrews
Previous Crop	Oats
Soil Description	Clayey Lacustrine
Tillage	Conventional
Planting Date	May 31, 2015
Variety	Pekko R2
PRR Gene	---
Row Spacing	15”
Seeding Rate	165,000 seeds/ac
Plant Stand @V1 (With)	158,000 plants/ac
Plant Stand @V1 (W/O)	153,000 plants/ac
Harvest Date	October 2, 2015

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

NDVI FIELD IMAGE – AUG. 19 (GROWTH STAGE R6)

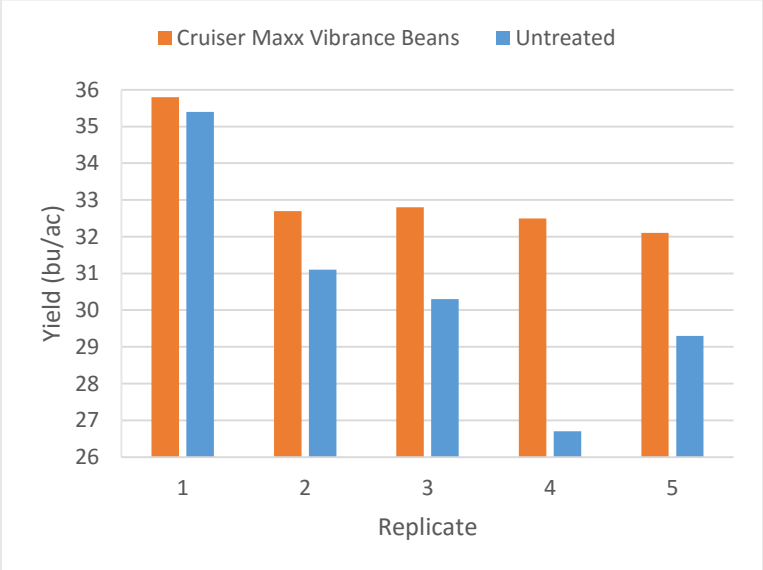


PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	0	72.5	77.5	220
Normal	54.1	90	79.5	77

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD

	Mean (bu/ac)
Cruiser Maxx Vibrance Beans	33.2
Untreated	30.6
Yield Difference	2.6
P-Value	0.0433
CV	8.5%
Significance	Yes

Summary: There was a significant yield difference of 2.6 bu/ac between Cruiser Maxx Vibrance Beans seed treatment and untreated check strips.

MPSG would like to thank Syngenta for providing the seed treatment for this trial and Tone Ag Consulting for conducting the research

MANITOBA Pulse Soybean GROWERS
T 204 745.6488
www.manitobapulse.ca