Soybean Seed Treatment Trial

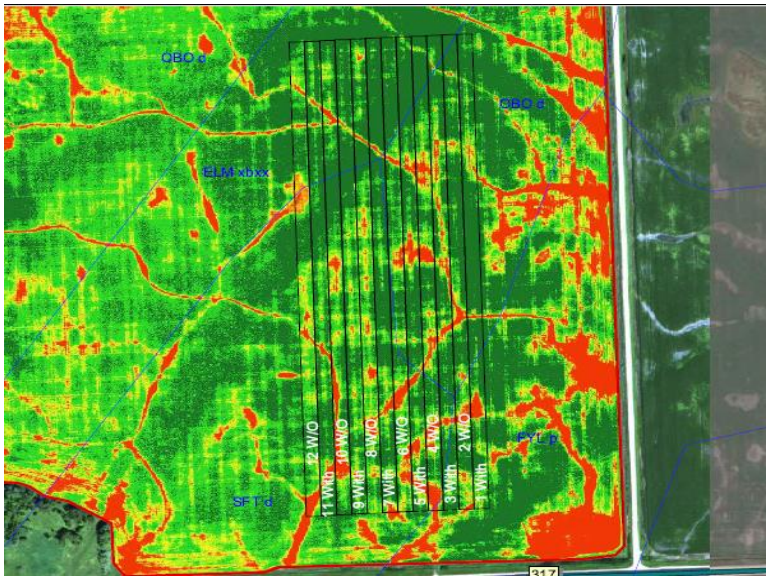
Trial ID: 2016-SST09 – R.M. of Lac Du Bonnet

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	Lac Du Bonnet
Previous Crop	Wheat
Soil Description	Clayey, Loam Lacustrine
Tillage	Vertical Tillage
Planting Date	May 17, 2016
Variety	P008T70R
PRR Gene	1k
Row Spacing	7.5”
Seeding Rate	190,000 seeds/ac
Plant Stand @V1 (With)	185,000 plants/ac
Plant Stand @V1 (W/O)	157,000 plants/ac
Harvest Date	October 2, 2016

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

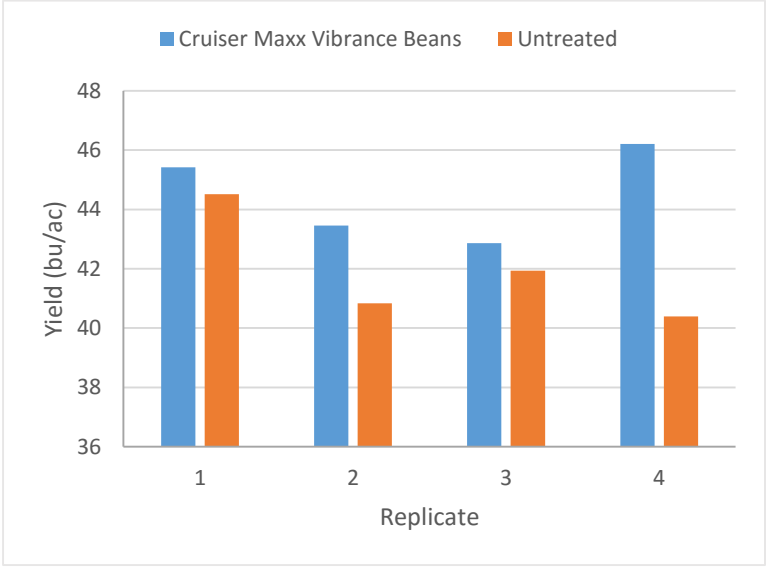
FIELD IMAGE – AUG. 17 (GROWTH STAGE R5.5)



PRECIPITATIONǂ				
	May	**June**	**July**	**Aug**
Rainfall	50	135	38	153
Normal	65	80	58	50

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD	
	Mean (bu/ac)
Cruiser Maxx Vibrance Beans	44.5
Untreated	41.9
Yield Difference	2.6
P-Value	0.0072
CV	4.9%
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. The plant stand at growth stage V1 (first trifoliate) was not significantly different between treatments.

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

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