Evaluation of Seed Treatment in Soybeans

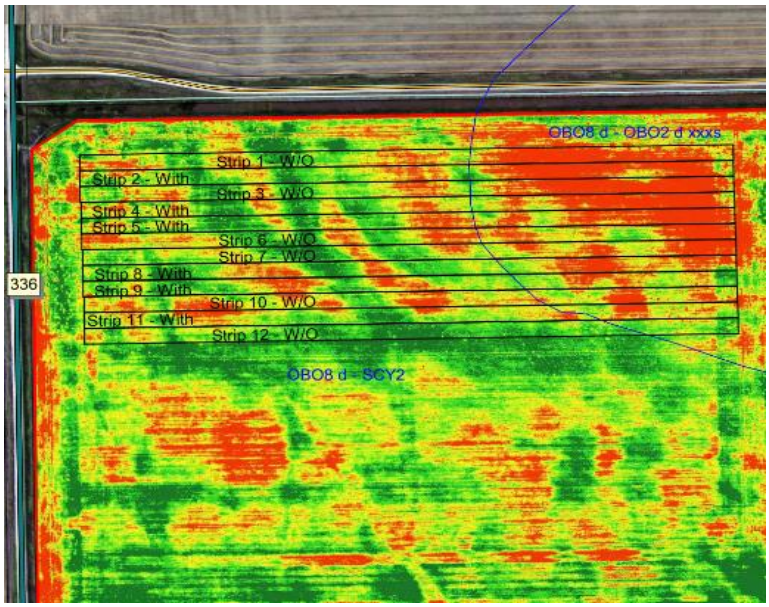
Trial ID: 2017-SST06 – R.M. of Morris

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	Morris
Previous Crop	Canola
Soil Description	Clayey Lacustrine
Tillage	Cultivate 1x
Planting Date	May 11, 2017
Variety	DKB008-81
PRR Gene	-
Row Spacing	15”
Seeding Rate	200,000 seeds/ac
Plant Stand @V1 (With)	154,000 plants/ac
Plant Stand @V1 (W/O)	160,000 plants/ac
Harvest Date	September 13, 2017

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

FIELD IMAGE

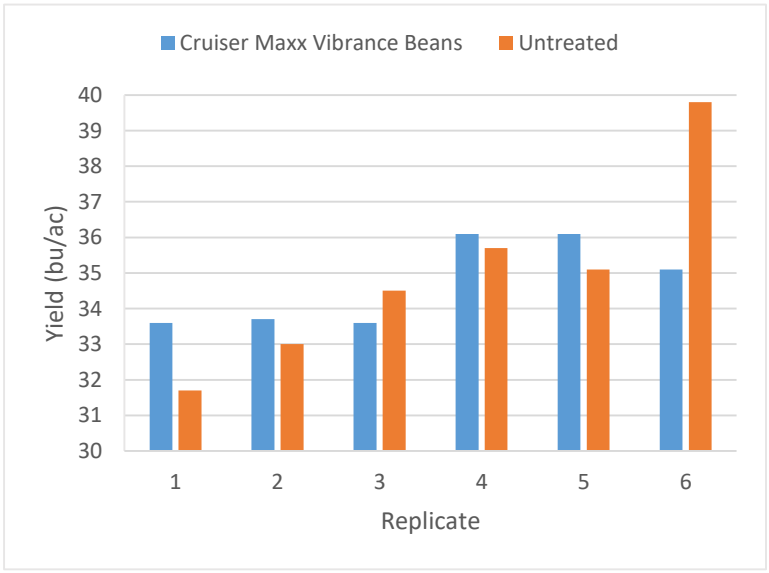


PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	29.1	65.5	27.4	24.0
Normal	52.9	106.3	82.5	75.1

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD

	Mean (bu/ac)
Cruiser Maxx Vibrance Beans	34.7
Untreated	35.0
Yield Difference	-0.3
P-Value	0.7920
CV	5.9%
Significance	**No**

Summary: There was no significant yield difference 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