Soybean Seed Treatment Trial

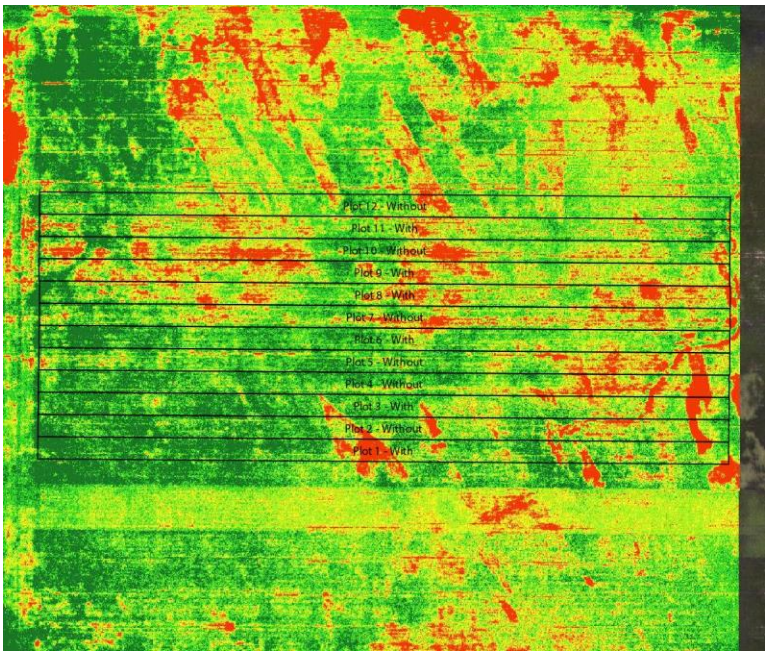
Trial ID: 2018-SST09 – R.M. of Ste. Rose

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	Ste. Rose
Previous Crop	Canola
Soil Description	Very Fine Sandy Loam
Tillage	Conventional
Planting Date	May 22, 2018
Variety	Notus R2
PRR Gene	Rps 1c
Row Spacing	20”
Seeding Rate	180,000 seeds/ac
Plant Stand @V1 (With)	122,000 plants/ac
Plant Stand @V1 (W/O)	145,000 plants/ac
Harvest Date	October 12, 2018

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

NDVI FIELD IMAGE – AUGUST 9, 2018

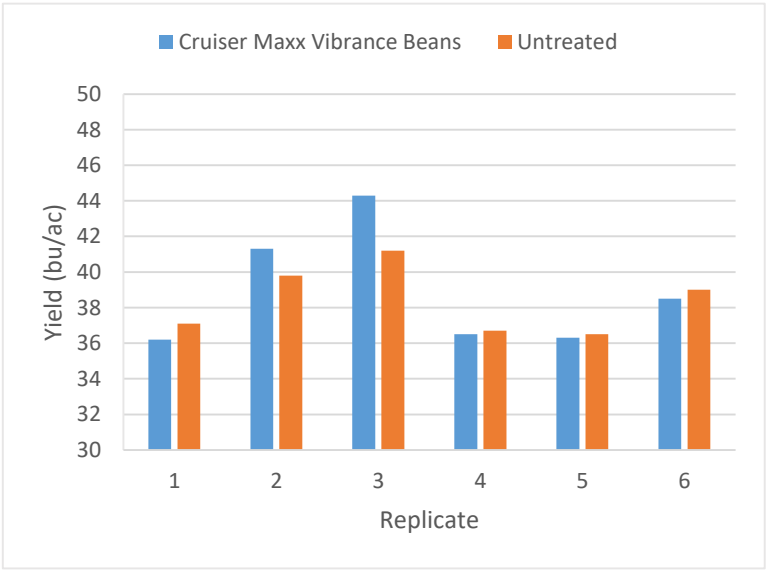


PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	44	52	71	14
Normal	54	87	73	63

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD

	Mean (bu/ac)
Cruiser Maxx Vibrance Beans	38.9
Untreated	38.4
Yield Difference	0.5
P-Value	0.4884
CV	6.7%
Significance	**No**

Summary: There was no significant yield difference between Cruiser Maxx Vibrance Beans seed treatment and untreated check strips. That plant stand at growth stage V1 (first trifoliate) was not significantly difference between treatments, and no early season root disease was observed.

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