Evaluation of Seed Treatment in Soybeans

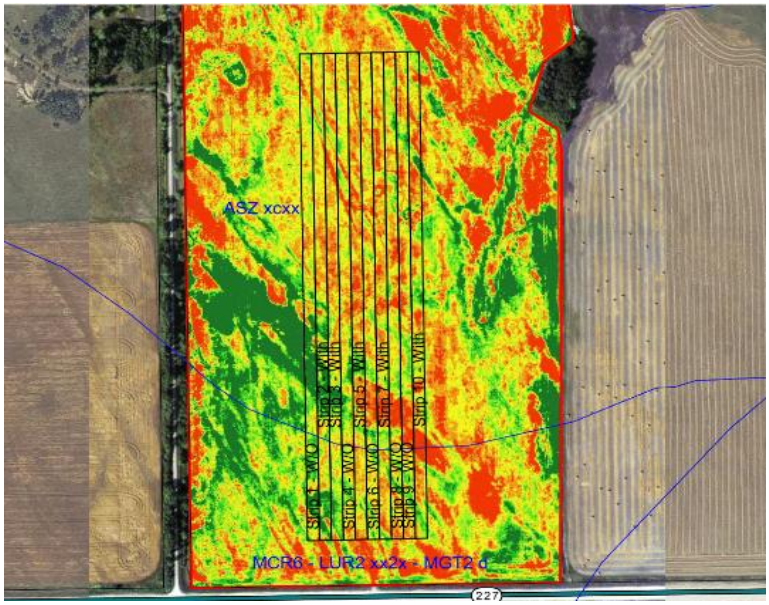
Trial ID: 2017-SST04 – R.M. of Woodlands

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	Woodlands
Previous Crop	Grass/Hay
Soil Description	Loamy Lacustrine
Tillage	Disc 3x Harrow 2x
Planting Date	May 14, 2017
Variety	NSC Richer RR2Y
PRR Gene	1c
Row Spacing	10”
Seeding Rate	200,000 seeds/ac
Plant Stand @V1 (With)	197,000 plants/ac
Plant Stand @V1 (W/O)	204,000 plants/ac
Harvest Date	September 30, 2017

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

FIELD IMAGE

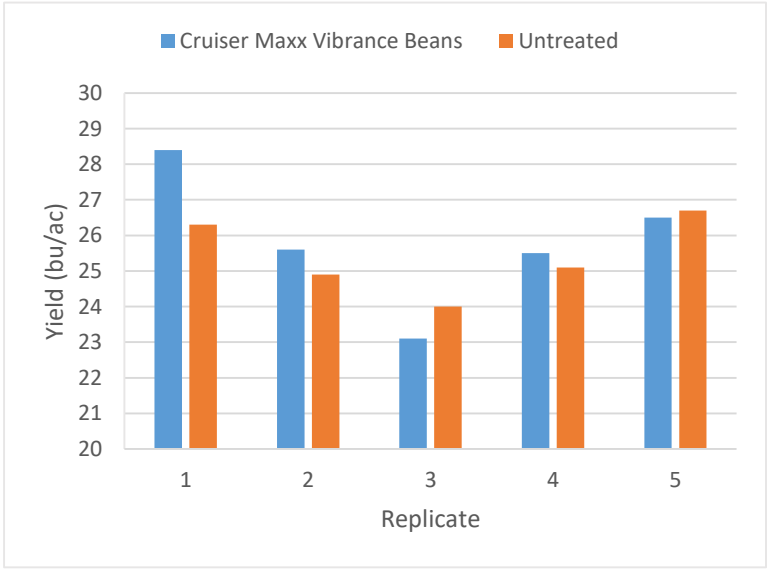


PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	27.4	82.1	50.1	38.3
Normal	51.5	87.6	78.8	70.6

ǂ Growing season precipitation (mm)

STRIP YIELD



OVERALL YIELD

	Mean (bu/ac)
Cruiser Maxx Vibrance Beans	25.8
Untreated	25.4
Yield Difference	0.4
P-Value	0.4494
CV	5.8%
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

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