

## Soybean Seed Treatment Trial

Trial ID: 2016-SST07 – R.M. of Springfield

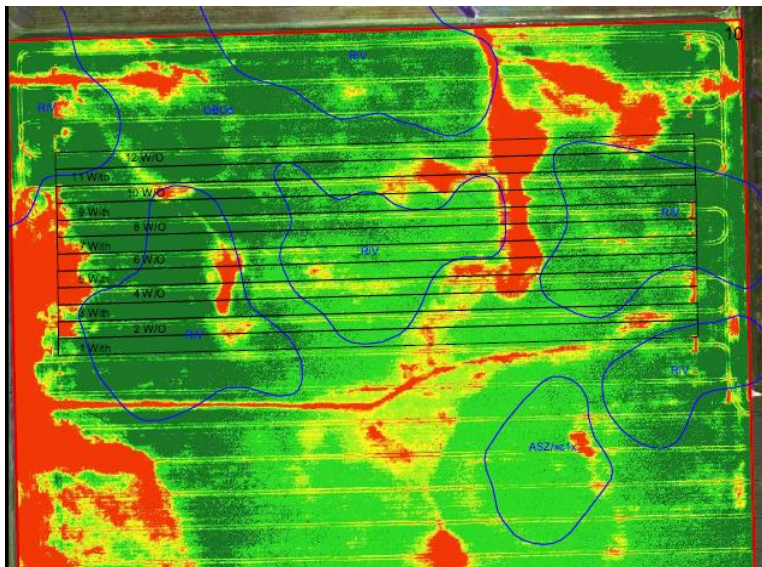
**Objective:** Quantify the agronomic and economic impacts of a seed treatment in soybean fields. A fungicide and insecticide seed treatment was compared to an untreated check strip.

### TRIAL INFORMATION

<b>Treatment</b>	Cruiser Maxx Vibrance Beans
<b>Rural Municipality</b>	Springfield
<b>Previous Crop</b>	Wheat
<b>Soil Description</b>	Clayey Lacustrine
<b>Tillage</b>	Conventional
<b>Planting Date</b>	May 19, 2016
<b>Variety</b>	Astro R2
<b>PRR Gene</b>	1k
<b>Row Spacing</b>	10"
<b>Seeding Rate</b>	185,000 seeds/ac
<b>Plant Stand @V1 (With)</b>	197,000 plants/ac
<b>Plant Stand @V1 (W/O)</b>	205,000 plants/ac
<b>Harvest Date</b>	November 3, 2016

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

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



### PRECIPITATION†

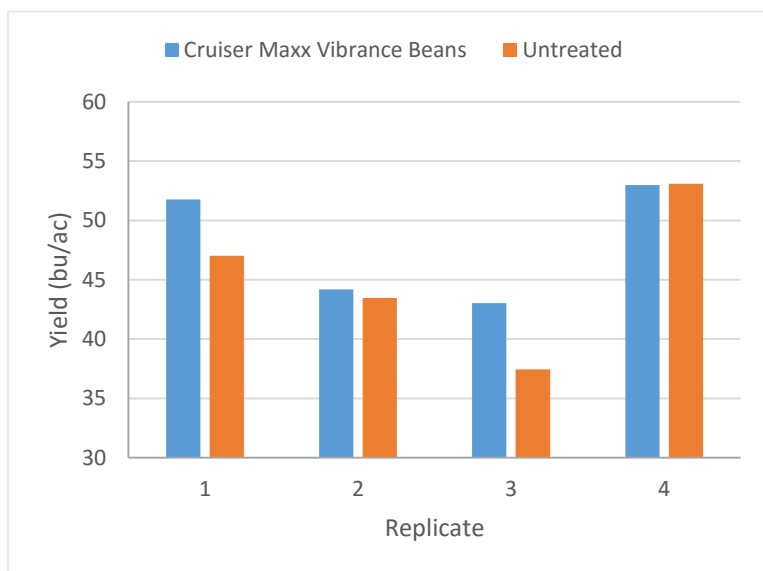
	May	June	July	Aug
<b>Rainfall</b>	40	165	80	98
<b>Normal</b>	83	105	95	83

† Growing season precipitation (mm)

### OVERALL YIELD

	Mean (bu/ac)
<b>Cruiser Maxx Vibrance Beans</b>	48.0
<b>Untreated</b>	45.3
<b>Yield Difference</b>	2.7
<b>P-Value</b>	0.0043
<b>CV</b>	12.1%
<b>Significance</b>	<b>Yes</b>

### STRIP YIELD



**Summary:** There was a significant yield difference of 2.7 bu/ac between Cruiser Maxx Vibrance Beans seed treatment and untreated check strips. The plant stand at growth stage V1 (first trifoliolate) was not significantly different between treatments.