

## Soybean Seed Treatment Trial

Trial ID: 2015-SST01 – R.M. of Dufferin

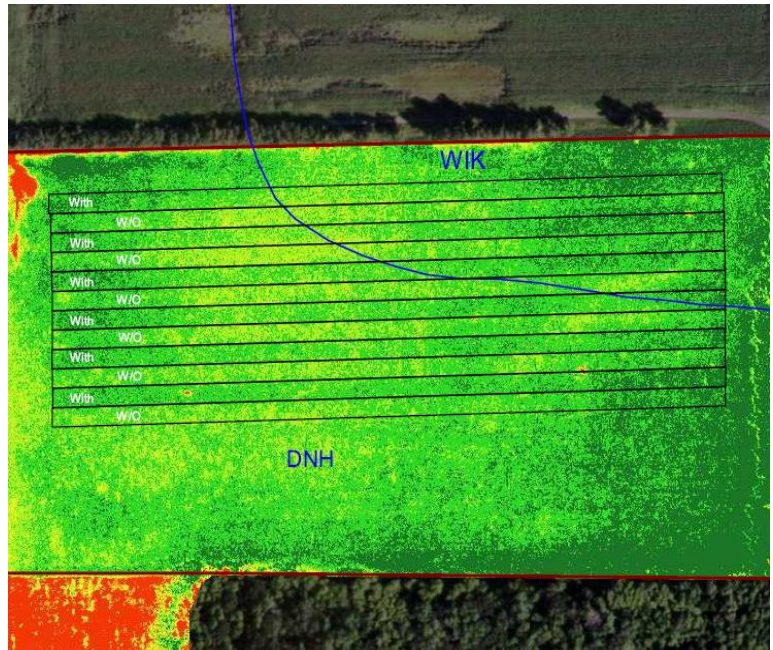
**Objective:** Quantify the agronomic and economic impacts of a seed treatment in soybean fields. A fungicide and insecticide seed treatment was compared to an untreated check strip.

### TRIAL INFORMATION

<b>Treatment</b>	Cruiser Maxx Vibrance Beans
<b>Rural Municipality</b>	Dufferin
<b>Previous Crop</b>	Soybeans
<b>Soil Description</b>	Clayey / Loamy Lacustrine
<b>Tillage</b>	Conventional
<b>Planting Date</b>	May 22, 2015
<b>Variety</b>	PS 0083 R2
<b>PRR Gene</b>	---
<b>Row Spacing</b>	30"
<b>Seeding Rate</b>	180,000 seeds/ac
<b>Plant Stand @V1 (With)</b>	146,000 plants/ac
<b>Plant Stand @V1 (W/O)</b>	154,000 plants/ac
<b>Harvest Date</b>	September 30, 2015

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

### NDVI FIELD IMAGE – AUG. 19 (GROWTH STAGE R6)



### PRECIPITATION†

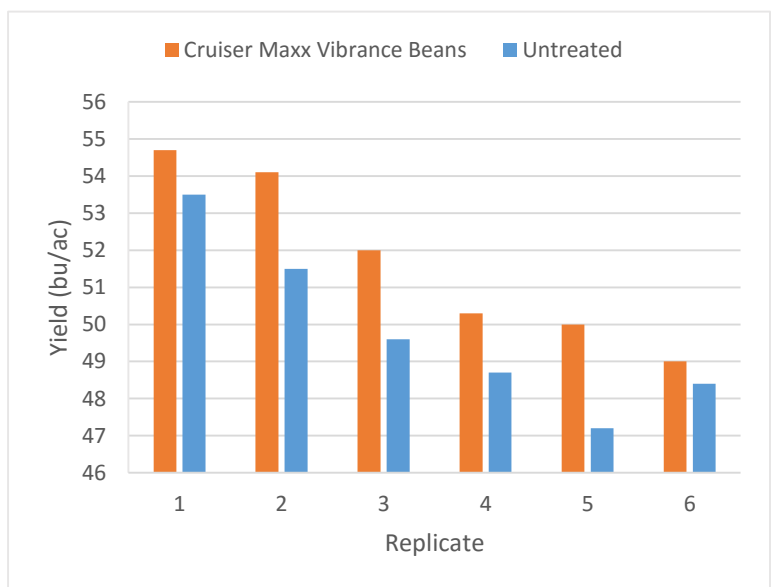
	May	June	July	Aug
<b>Rainfall</b>	0	80	100	87.5
<b>Normal</b>	67.7	96.4	78.6	74.8

† Growing season precipitation (mm)

### OVERALL YIELD

	Mean (bu/ac)
<b>Cruiser Maxx Vibrance Beans</b>	51.7
<b>Untreated</b>	49.8
<b>Yield Difference</b>	1.9
<b>P-Value</b>	0.0034
<b>CV</b>	4.7%
<b>Significance</b>	Yes

### STRIP YIELD



**Summary:** There was a significant yield difference of 1.9 bu/ac between Cruiser Maxx Vibrance Beans seed treatment and untreated check strips. There is a stepwise decrease in yield from rep 1 to rep 6, suggesting that there is a field gradient from rep 1 to rep 6. Due to lack of randomization, field variability may have an influence on the outcome of this trial.