

## Soybean Foliar Fungicide Trial

Trial ID: 2018-SF07 – R.M. of Macdonald

**Objective:** Quantify the agronomic and economic impacts of foliar fungicide in soybean fields. A single application of Delaro was compared to an untreated check.

### TRIAL INFORMATION

<b>Treatment</b>	Cotegra vs. Untreated
<b>Rural Municipality</b>	Macdonald
<b>Previous Crop</b>	Corn
<b>Soil Texture</b>	Clay
<b>Tillage</b>	Conventional
<b>Planting Date</b>	May 11, 2018
<b>Variety</b>	24-12RY
<b>Row Spacing</b>	20"
<b>Plant Stand @ Harvest</b>	151,000 plants/ac
<b>Application Date</b>	July 3, 2018
<b>Application Timing</b>	R2 – full flower
<b>Application Rate</b>	280 mL/ac
<b>Harvest Date</b>	September 7, 2018

### PRECIPITATION†

	May	June	July	Aug
<b>Rainfall</b>	59	68	45	25
<b>Normal</b>	59	92	78	68

† Growing season precipitation (mm)

### DISEASE RATING @ GROWTH STAGE R6†

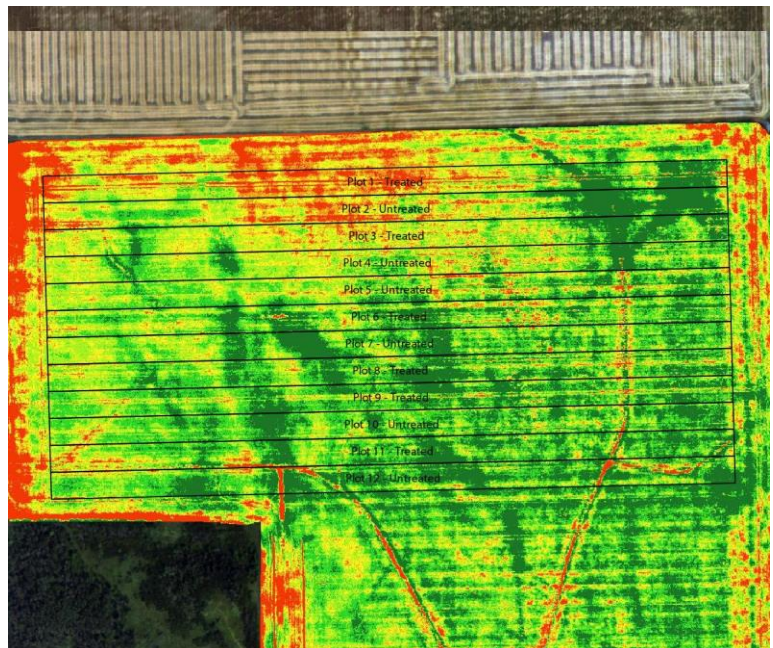
	White Mold	Brown Spot
<b>Cotegra</b>	0	0
<b>Untreated</b>	0	0
<b>P-Value</b>	n/a	n/a
<b>Significance</b>	n/a	n/a

† Rated on a scale of 0-5 for severity (0 = no disease, 5 = full infection)

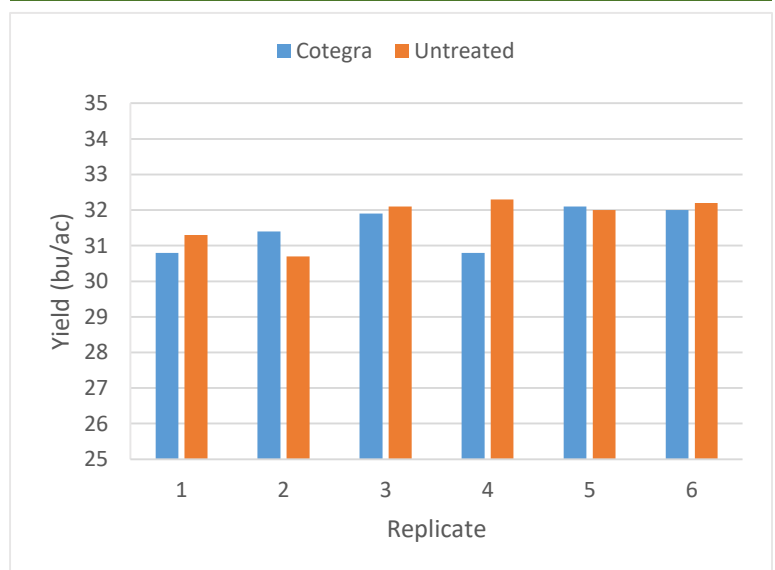
### OVERALL YIELD

	Mean (bu/ac)
<b>Cotegra</b>	31.5
<b>Untreated</b>	31.8
<b>Yield Difference</b>	-0.3
<b>P-Value</b>	0.4110
<b>CV</b>	1.9%
<b>Significance</b>	No

### NDVI FIELD IMAGE – AUG 13, 2018



### STRIP YIELD



**Summary:** There was no significant yield difference between a single application of Cotegra and untreated check strips applied at R2 (full flower). Rainfall was below normal for the entire growing season and disease pressure was low.