

## Soybean Foliar Fungicide Trial

Trial ID: 2018-SF02 – R.M. of Dauphin

**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>	Dauphin
<b>Previous Crop</b>	Canola
<b>Soil Texture</b>	Loam to Clay - Loam
<b>Tillage</b>	Conventional
<b>Planting Date</b>	May 16, 2018
<b>Variety</b>	Notus R2
<b>Row Spacing</b>	12"
<b>Plant Stand @ Harvest</b>	155,000 plants/ac
<b>Application Date</b>	July 11, 2018
<b>Application Timing</b>	R2 – full flower
<b>Application Rate</b>	280 mL/ac
<b>Harvest Date</b>	September 13, 2018

### PRECIPITATION†

	May	June	July	Aug
<b>Rainfall</b>	38	104	91	3
<b>Normal</b>	54	87	73	63

† Growing season precipitation (mm)

### DISEASE RATING @ GROWTH STAGE R6†

	White Mold	Brown Spot
<b>Cotegra</b>	0	1.2
<b>Untreated</b>	0	1.4
<b>P-Value</b>	n/a	0.5796
<b>Significance</b>	n/a	No

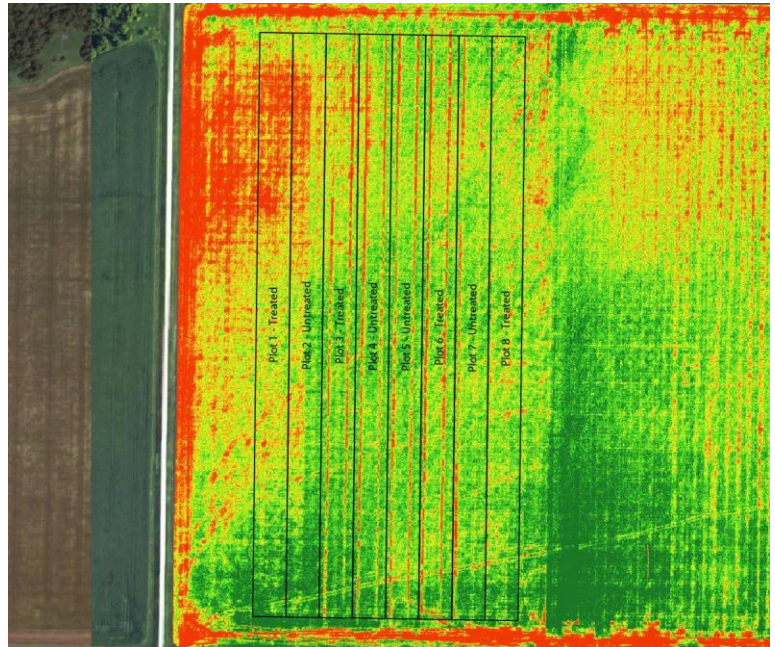
† Rated on a scale of 0-5 for severity (0 = no disease, 5 = full infection)

### OVERALL YIELD

	Mean (bu/ac)
<b>Cotegra</b>	46.3
<b>Untreated</b>	49.0
<b>Yield Difference</b>	-2.6
<b>P-Value</b>	0.0468
<b>CV</b>	4.8%
<b>Significance</b>	Yes

**Summary:** There was a significant yield difference of -2.6 bu/ac between a single application of Cotegra and untreated check strips applied at R2 (full flower). Rainfall was at or above normal during June and July as soybeans entered the reproductive phase. Disease pressure was low and there is no clear indication of why there was a negative yield response observed at this site.

### NDVI FIELD IMAGE – AUG 9, 2018



### STRIP YIELD

