

## Soybean Foliar Fungicide Trial

Trial ID: 2017-SF09 – R.M. of St Clements

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

### TRIAL INFORMATION

Treatment	Cotegra vs. Untreated
Rural Municipality	St Clements
Previous Crop	Wheat
Soil Description	Clayey Lacustrine
Tillage	Conventional
Planting Date	May 5, 2017
Variety	24-10RY
Row Spacing	10"
Plant Stand @ Harvest	150,000 plants/ac
Application Date	July 7, 2017
Application Timing	R2 – Full Flower
Application Rate	280 ml/ac
Harvest Date	October 7, 2017

### PRECIPITATION<sup>†</sup>

	May	June	July	Aug
Rainfall	22.4	51.3	74.8	42.3
Normal	55.0	87.5	87.1	76.3

<sup>†</sup> Growing season precipitation (mm)

### DISEASE RATING @ GROWTH STAGE R6

	WM Incidence	BS Incidence	BS Severity <sup>†</sup>
Cotegra	0%	38%	1.0
Untreated	0%	100%	2.3
P-Value	n/a	<0.0001	<0.0001
Significance	n/a	Yes	Yes

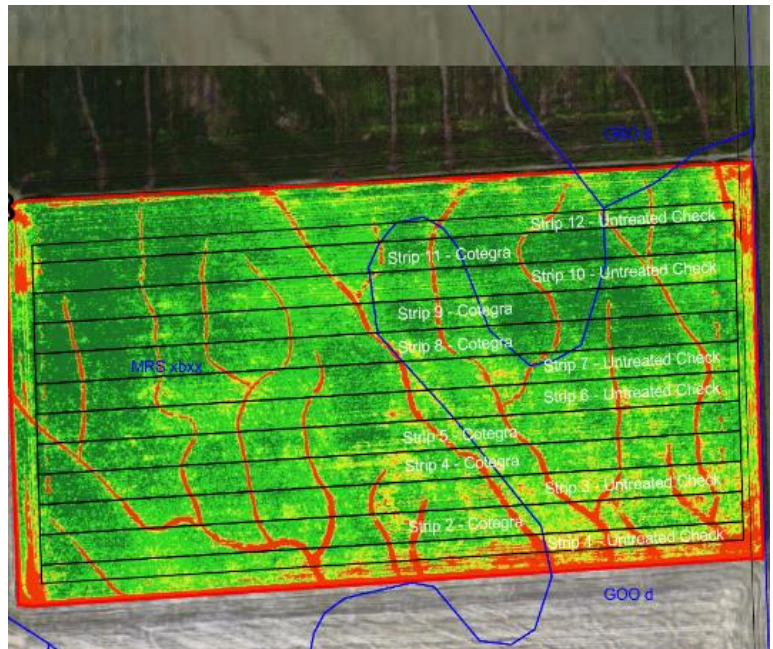
WM = White Mould, BS = Brown Spot

<sup>†</sup> Rated on a scale of 0-5 (0 = no disease, 5 = full infection)

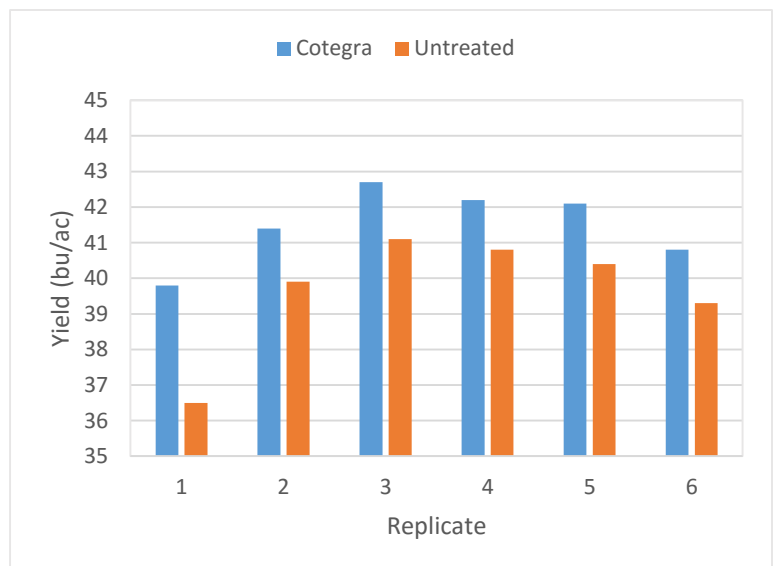
### OVERALL YIELD

	Mean (bu/ac)
Cotegra	41.5
Untreated	39.7
Yield Difference	1.8
P-Value	0.0016
CV	4.1%
Significance	Yes

### FIELD IMAGE



### STRIP YIELD



**Summary:** There was a significant yield difference of 1.8 bu/ac between a single application of Cotegra and untreated check strips applied at R2 (full flower). Cotegra significantly reduced the brown spot incidence and severity within the trial compared to untreated strips. There was no white mould found within the trial when rated at growth stage R6.