

## Soybean Foliar Fungicide Trial

Trial ID: 2017-SF06 – R.M. of Westlake-Gladstone

**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	Westlake-Gladstone
Previous Crop	Spring Wheat
Soil Description	Clayey Lacustrine
Tillage	Cultivate 2x
Planting Date	May 16, 2017
Variety	24-10RY
Row Spacing	10"
Plant Stand @ Harvest	-
Application Date	July 15, 2017
Application Timing	R2 – Full Flower
Application Rate	280 ml/ac
Harvest Date	September 30, 2017

### PRECIPITATION<sup>†</sup>

	May	June	July	Aug
Rainfall	31.7	78.9	34.0	21.8
Normal	56.3	87.9	74.4	65.9

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

### DISEASE RATING @ GROWTH STAGE R6

	WM Incidence	BS Incidence	BS Severity <sup>†</sup>
Cotegra	0.8%	39%	1.1
Untreated	0.8%	60%	1.3
P-Value	n/a	0.0566	0.0444
Significance	n/a	No	Yes

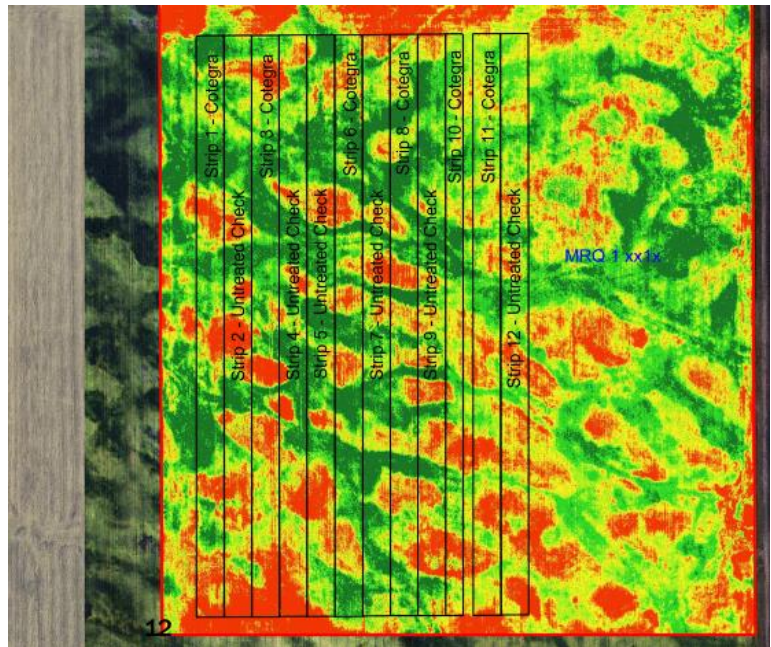
WM = White Mould, BS = Brown Spot

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

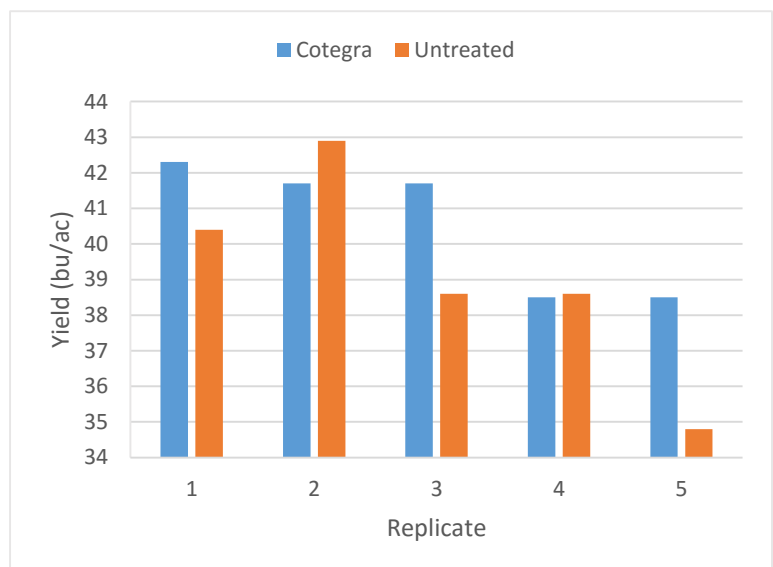
### OVERALL YIELD

	Mean (bu/ac)
Cotegra	40.5
Untreated	39.1
Yield Difference	1.4
P-Value	0.1878
CV	6.2%
Significance	No

### FIELD IMAGE



### STRIP YIELD



**Summary:** There was no significant yield difference between a single application of Cotegra and untreated check strips applied at R2 (full flower). Cotegra significantly reduced the brown spot severity within the trial; however, there was no significant difference in incidence compared to untreated strips. Only trace amounts of white mould were found within the trial when rated at growth stage R6.

MPSG would like to thank BASF for providing the chemical for this trial and Tone Ag Consulting for conducting the research