

## Soybean Foliar Fungicide Trial

Trial ID: 2017-SF08 – R.M. of Grey

**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	Grey
Previous Crop	Oats
Soil Description	Clayey Lacustrine
Tillage	Joker 1x
Planting Date	May 10, 2017
Variety	24-10RY
Row Spacing	20"
Plant Stand @ Harvest	120,000 plants/ac
Application Date	July 14, 2017
Application Timing	R2 – Full Flower
Application Rate	280 ml/ac
Harvest Date	September 12, 2017

### PRECIPITATION<sup>†</sup>

	May	June	July	Aug
Rainfall	28.3	70.8	23.9	14.1
Normal	57.5	84.1	76.5	74.5

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

### DISEASE RATING @ GROWTH STAGE R6

	WM Incidence	BS Incidence	BS Severity <sup>†</sup>
Cotegra	0%	7%	1.0
Untreated	0%	23%	1.0
P-Value	n/a	0.0009	n/a
Significance	n/a	Yes	n/a

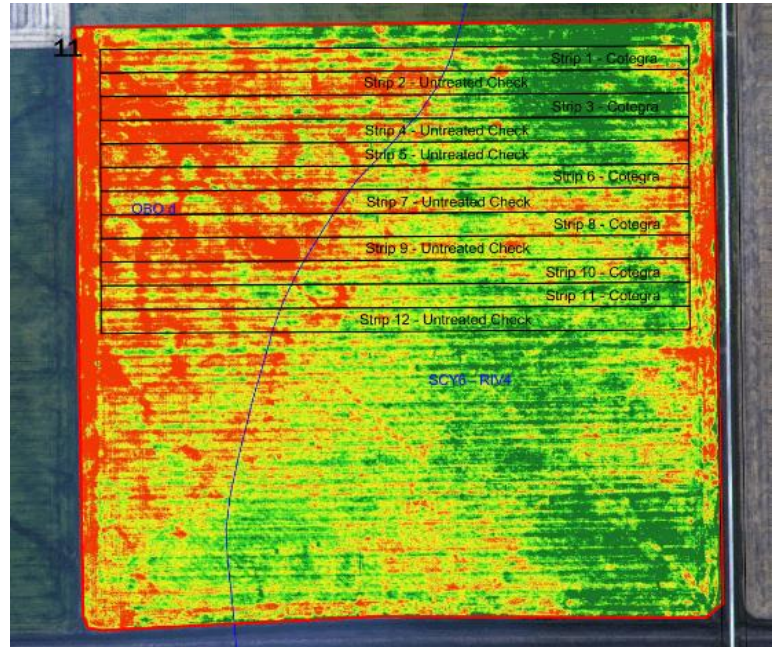
WM = White Mould, BS = Brown Spot

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

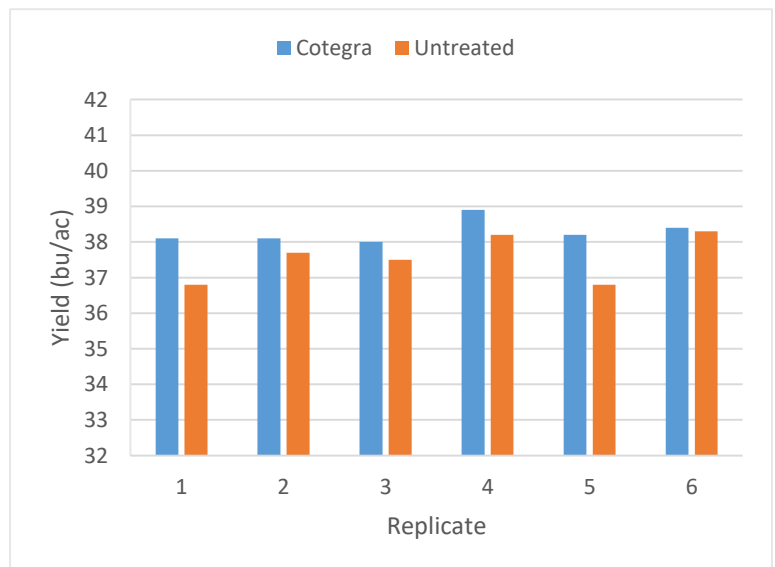
### OVERALL YIELD

	Mean (bu/ac)
Cotegra	38.3
Untreated	37.6
Yield Difference	0.7
P-Value	0.0177
CV	1.6%
Significance	Yes

### FIELD IMAGE



### STRIP YIELD



**Summary:** There was a significant yield difference of 0.7 bu/ac between a single application of Cotegra and untreated check strips applied at R2 (full flower). Cotegra significantly reduced the brown spot incidence; however, there was no difference between brown spot severity within the trial compared to untreated strips. There was no white mould 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