Soybean Foliar Fungicide Trial

Trial ID: 2017-SF03 – 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	Spring Wheat
Soil Description	Clayey Lacustrine
Tillage	Cultivate 1x
Planting Date	May 12, 2017
Variety	S006-W5
Row Spacing	7.5”
Plant Stand @ Harvest	146,000 plants/ac
Application Date	July 10, 2017
Application Timing	R2 – Full Flower
Application Rate	280 ml/ac
Harvest Date	September 12, 2017

PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	27.2	69.2	41.8	15.7
Normal	57.5	84.1	76.5	74.5

ǂ Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6

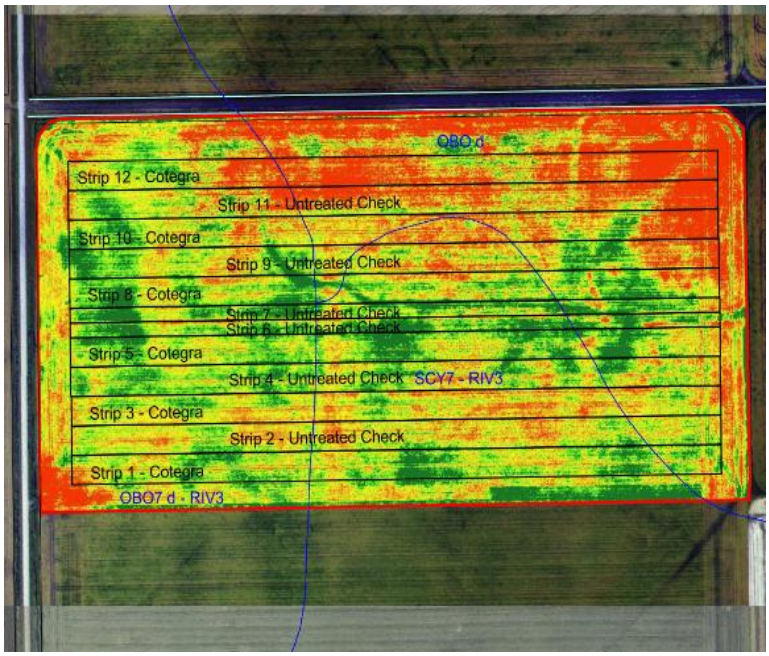
	WM Incidence	BS Incidence	BS Severityǂ
Cotegra	0%	4%	1.0
Untreated	0%	11%	1.0
P-Value	n/a	0.0382	n/a
Significance	n/a	**Yes**	n/a

WM = White Mould, BS = Brown Spot
ǂ Rated on a scale of 0-5 (0 = no disease, 5 = full infection)

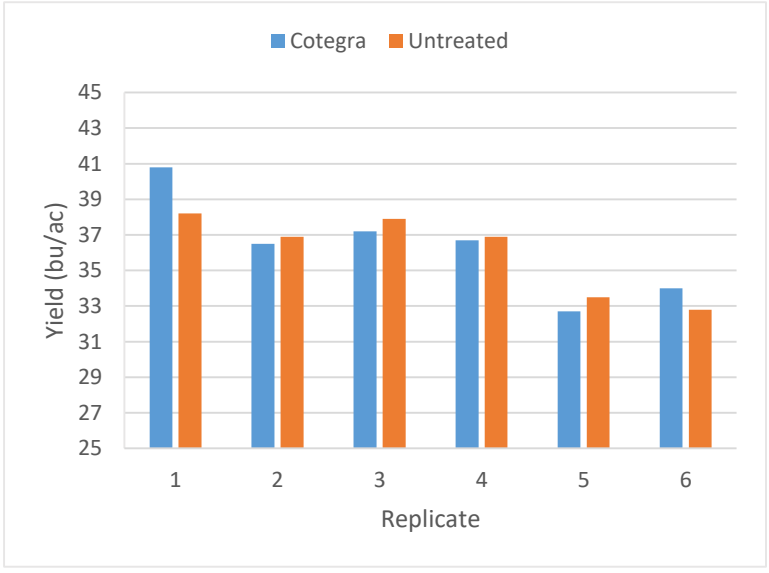
OVERALL YIELD

	Mean (bu/ac)
Cotegra	36.3
Untreated	36.0
Yield Difference	0.3
P-Value	0.6279
CV	6.8%
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 incidence within the trial; however, there was no difference in severity 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

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