Soybean Foliar Fungicide Trial

Trial ID: 2017-SF11 – R.M. of Dufferin

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

TRIAL INFORMATION

Treatment	Delaro vs. Untreated
Rural Municipality	Dufferin
Previous Crop	Corn
Soil Description	Clayey Lacustrine
Tillage	Conventional
Planting Date	May 20, 2017
Variety	0066 XR
Row Spacing	20”
Plant Stand @ Harvest	152,000 plants/ac
Application Date	July 13, 2017
Application Timing	R2 – Full Flower
Application Rate	260 ml/ac
Harvest Date	October 2, 2017

PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	29.1	65.5	27.4	24.0
Normal	67.7	96.4	78.6	74.8

ǂ Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6

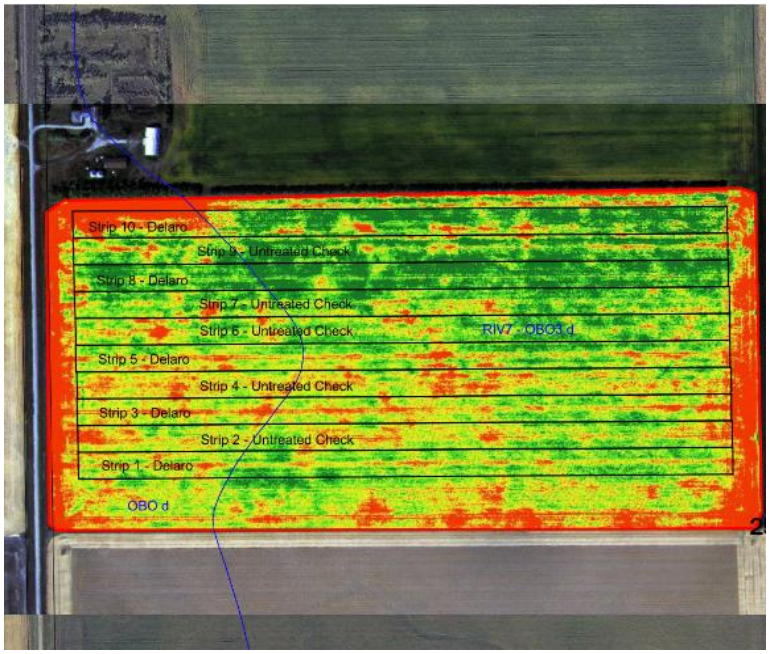
	WM Incidence	BS Incidence	BS Severityǂ
Delaro	0%	42%	1.0
Untreated	0%	29%	1.0
P-Value	n/a	0.0260	n/a
Significance	n/a	**Yes**	n/a

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

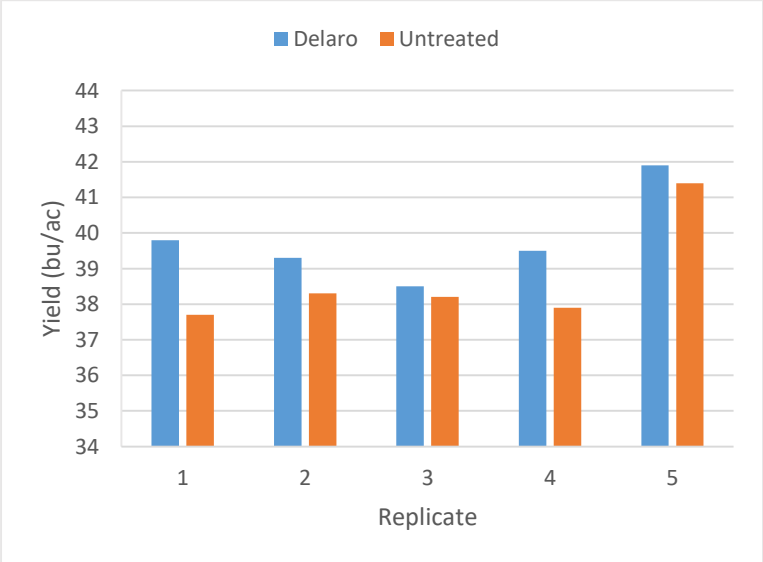
OVERALL YIELD

	Mean (bu/ac)
Delaro	39.8
Untreated	38.7
Yield Difference	1.1
P-Value	0.0307
CV	3.7%
Significance	**Yes**

FIELD IMAGE



STRIP YIELD



Summary: There was a significant yield difference of 1.1 bu/ac between a single application of Delaro and untreated check strips applied at R2 (full flower). Delaro significantly reduced the brown spot incidence; however, there was no difference in 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 Bayer for providing the chemical for this trial and Tone Ag Consulting for conducting the research

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