Soybean Foliar Fungicide Trial

Trial ID: 2018-SF06 – R.M. of St. Andrews

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

TRIAL INFORMATION	
Treatment	Delaro vs. Untreated
Rural Municipality	St. Andrews
Previous Crop	Spring Wheat
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 15, 2018
Variety	P007A90R
Row Spacing	10”
Plant Stand @ Harvest	141,000 plants/ac
Application Date	July 9, 2018
Application Timing	R2 – full flower
Application Rate	230 mL/ac
Harvest Date	October 1, 2018

PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	37	70	52	78
Normal	54	92	66	63

ǂ Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6ǂ

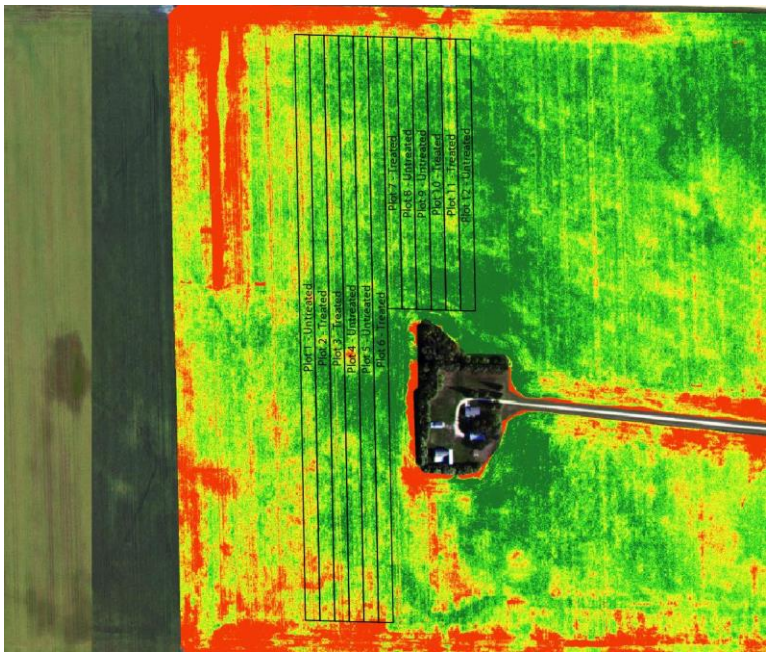
	White Mold	Brown Spot
Delaro	0	1
Untreated	0	1
P-Value	n/a	n/a
Significance	**n/a**	**n/a**

ǂ Rated on a scale of 0-5 for severity (0 = no disease, 5 = full infection)

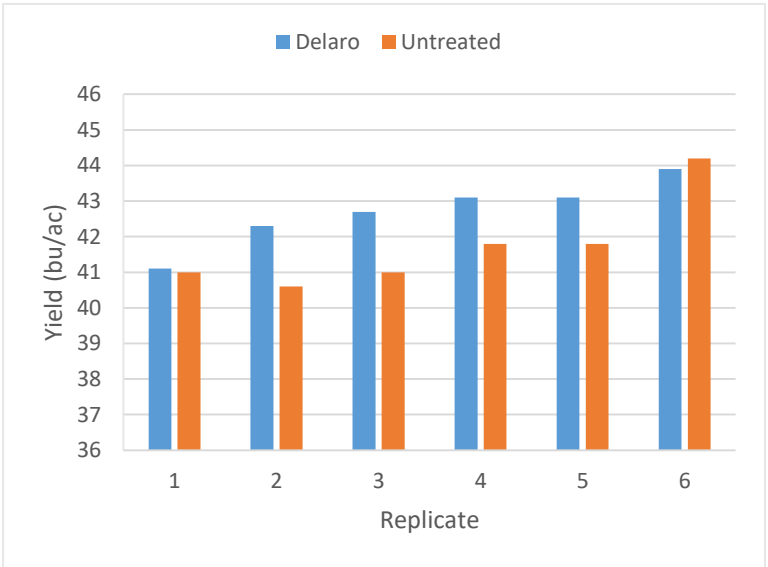
OVERALL YIELD

	Mean (bu/ac)
Delaro	42.7
Untreated	41.7
Yield Difference	1.0
P-Value	0.0394
CV	2.8%
Significance	**Yes**

NDVI FIELD IMAGE – AUG 16, 2018



STRIP YIELD



Summary: There was a significant yield difference of 1.0 bu/ac between a single application of Delaro and untreated check strips applied at R2 (full flower). Rainfall was slightly below normal for the growing season and disease pressure was low.

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

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