Soybean Foliar Fungicide Trial

Trial ID: 2018-SF08 – R.M. of La Broquerie

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	La Broquerie
Previous Crop	Corn
Soil Texture	Loamy Fine Sand
Tillage	Conventional
Planting Date	May 22, 2018
Variety	P007A90R
Row Spacing	10
Plant Stand @ Harvest	203,000 plants/ac
Application Date	July 6, 2018
Application Timing	R2 – full flower
Application Rate	230 mL/ac
Harvest Date	October 19, 2018

PRECIPITATIONǂ

	May	June	July	Aug
Rainfall	42	81	36	30
Normal	58	91	80	66

ǂ Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6ǂ

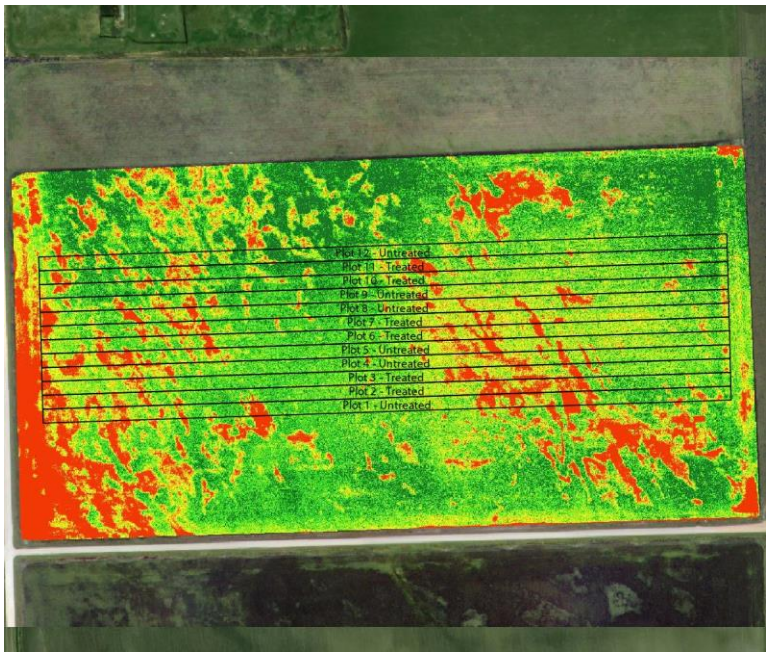
	White Mold	Brown Spot
Delaro	0	1
Untreated	0	1
P-Value	n/a	n/a
Significance	**n/a**	**n/a**

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

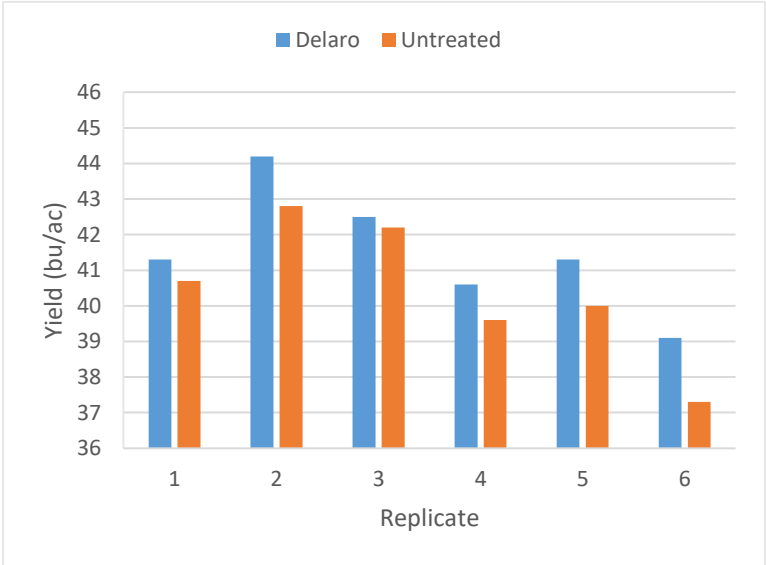
OVERALL YIELD

	Mean (bu/ac)
Delaro	41.5
Untreated	40.4
Yield Difference	1.1
P-Value	0.0051
CV	4.5%
Significance	**Yes**

NDVI FIELD IMAGE – AUG 11, 2018



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). Rainfall was below normal for the entire 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

T 204 745.6488
www.manitobapulse.ca