

# Soybean Fungicide Trial

**Trial ID:** 2020-SF03 – R.M. of Lorne

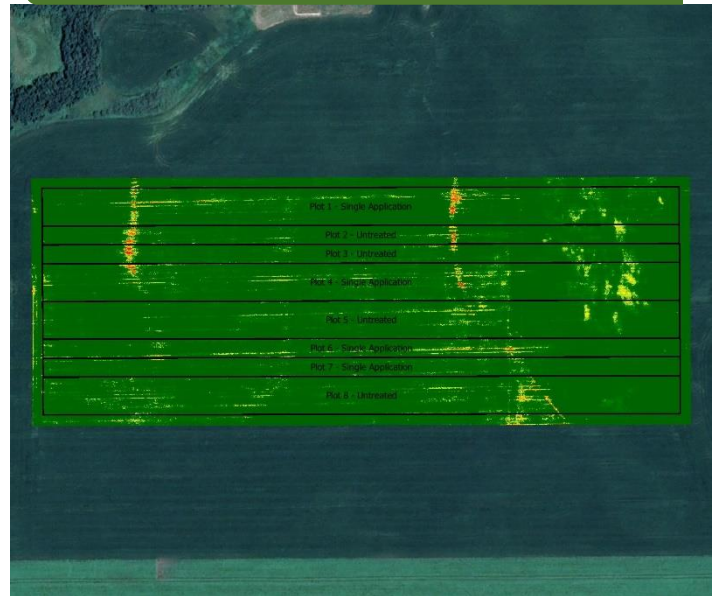
**Objective:** Quantify the agronomic and economic impacts of a single foliar fungicide application in soybeans

**Summary:** Septoria brown spot was prevalent throughout the trial. There was no significant yield difference between soybeans with and without a single application of Acapela. Due to the lack of yield response, there was a decrease in profit/ac in the treated area of the trial, equivalent to the cost of the fungicide application.

## Trial Information

<b>Treatment</b>	Acapela
<b>Application Timing</b>	R2
<b>Application Date</b>	July 15
<b>Application Rate</b>	350 ml/ac
<b>Application Method</b>	Broadcast
<b>Soil Texture</b>	Clay Loam
<b>Previous Crop</b>	Wheat
<b>Tillage</b>	Zero Till
<b>Seeding Date</b>	May 23
<b>Variety</b>	S007-Y4
<b>Seeding Rate</b>	195 000 seeds/ac
<b>Row Spacing</b>	10"
<b>Plant Stand @ R3</b>	146 000 plants/ac
<b>Harvest Date</b>	September 28

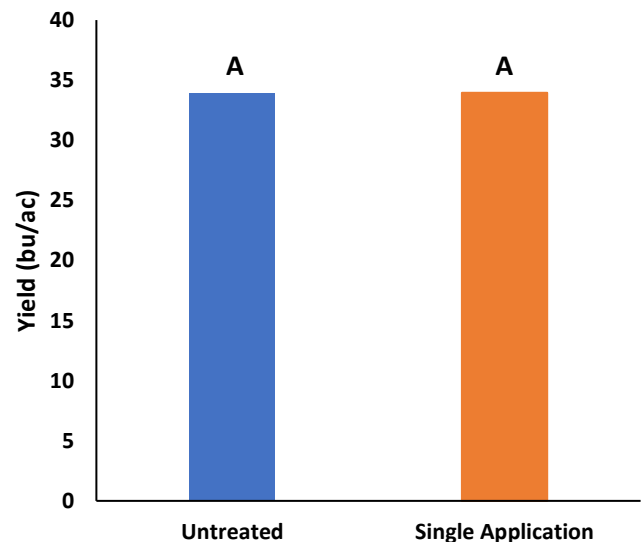
## NDVI Field Image August 21



## Precipitation (mm)

	May	June	July	August
<b>Normal</b>	58.6	90.8	73.3	62.8
<b>Rainfall</b>	23.6	61.7	76.1	44.5

## Yield by Treatment



## Summary of Disease Rating (R4) †

	Frogeye		Septoria Brown Spot		White Mould	
	UN	SGL	UN	SGL	UN	SGL
<b>Incidence</b>	0%	0%	95%	100%	0%	0%
<b>Severity</b>	n/a	n/a	1.15	1.25	0.0	0.0

† SGL=Single application; Frogeye (presence/absence), septoria brown spot 0 – 5 rating scale, white mould 0 – 3 rating scale; bacterial blight was present throughout the trial



**on-farm network**  
PARTICIPATORY • PRECISE • PROACTIVE

## Soybean Fungicide Trial

### Overall Yield & Economics

	<b>Mean (bu/ac)</b>	<b>Cost †</b>	<b>Change in Profit/ac ††</b>
<b>Single Application</b>	33.9	\$15/ac	-\$15/ac
<b>Untreated</b>	33.9		
<b>Yield Difference</b>	0		
<b>P-Value</b>	0.9834		
<b>CV</b>	4.4%		
<b>Significance</b>	<b>No</b>	<b>Economic</b>	<b>No</b>

† Based on an estimated cost for a single application of soybean fungicide

† † Because yields were not significantly different, there was no increased income with fungicide application to offset the cost of the product