

Soybean Foliar Fungicide Trial

Trial ID: 2018-SF11 – R.M. of Swan Valley West

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

TRIAL INFORMATION

Treatment	Cotegra vs. Untreated
Rural Municipality	Swan Valley West
Previous Crop	Canola
Soil Texture	Very Fine Sandy Loam
Tillage	No-Till
Planting Date	May 21, 2018
Variety	---
Row Spacing	10"
Plant Stand @ Harvest	161,000 plants/ac
Application Date	July 10, 2018
Application Timing	R2 – full flower
Application Rate	280 ml/ac
Harvest Date	October 8, 2018

PRECIPITATION†

	May	June	July	Aug
Rainfall	60	113	76	47
Normal	45	84	86	68

† Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6†

	White Mold	Brown Spot
Cotegra	0	0
Untreated	0	0
P-Value	n/a	n/a
Significance	n/a	n/a

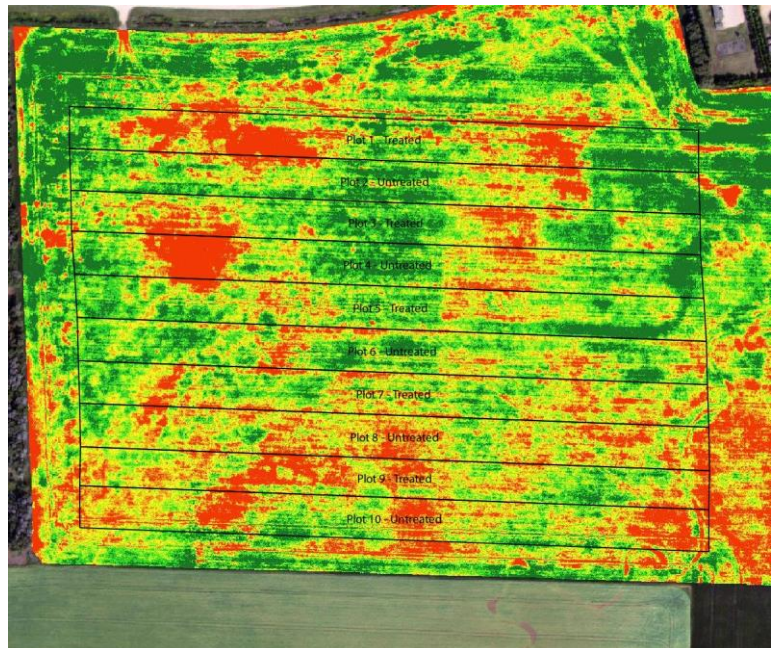
† Rated on a scale of 0-5 for severity (0 = no disease, 5 = full infection)

OVERALL YIELD

	Mean (bu/ac)
Cotegra	35.0
Untreated	33.9
Yield Difference	1.1
P-Value	0.5287
CV	6.7%
Significance	No

Summary: There was no significant yield difference between a single application of Cotegra and untreated check strips applied at R2 (full flower). Rainfall was near normal for the entire growing season and disease pressure was low. There was a hail event on this field at the beginning of August.

NDVI FIELD IMAGE – AUG 13, 2018



STRIP YIELD

