

Soybean Foliar Fungicide Trial

Trial ID: 2017-SF01 – R.M. of Dauphin

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

TRIAL INFORMATION

Treatment	Acapela vs. Untreated
Rural Municipality	Dauphin
Previous Crop	Canola
Soil Description	Sandy Lacustrine
Tillage	Zero Till
Planting Date	May 26, 2017
Variety	Akras R2
Row Spacing	10"
Plant Stand @ Harvest	147,000 plants/ac
Application Date	July 18, 2017
Application Timing	R2 – Full Flower
Application Rate	355 ml/ac
Harvest Date	October 13, 2017

PRECIPITATION[†]

	May	June	July	Aug
Rainfall	47.6	65.8	90.6	19.3
Normal	50.2	87.3	76.4	74.2

[†] Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6

	WM Incidence	BS Incidence	BS Severity [†]
Acapela	1.7%	57%	1.2
Untreated	0.0%	87%	1.4
P-Value	0.3321	0.0214	0.0043
Significance	No	Yes	Yes

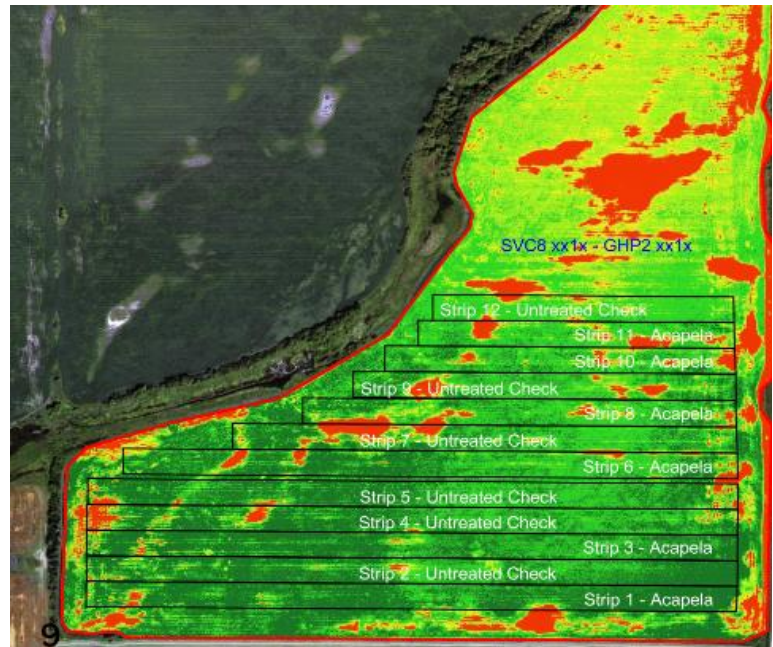
WM = White Mould, BS = Brown Spot

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

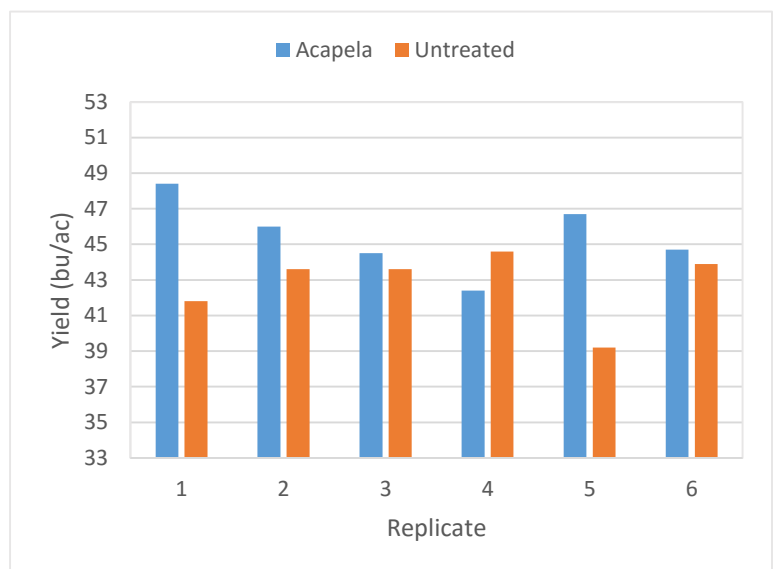
OVERALL YIELD

	Mean (bu/ac)
Acapela	45.5
Untreated	42.8
Yield Difference	2.7
P-Value	0.1395
CV	5.4%
Significance	No

FIELD IMAGE



STRIP YIELD



Summary: There was no significant yield difference between a single application of Acapela and untreated check strips applied at R2 (full flower). Acapela significantly reduced the brown spot incidence and severity within the trial compared to untreated strips. Only trace amounts of white mould was found within the trial when rated at growth stage R6.