

Soybean Foliar Fungicide Trial

Trial ID: 2017-SF04 – R.M. of Rhineland

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	Rhineland
Previous Crop	Canola
Soil Description	Clayey Lacustrine
Tillage	Vertical Tillage
Planting Date	May 14, 2017
Variety	PS 0035 NR2
Row Spacing	30"
Plant Stand @ Harvest	133,000 plants/ac
Application Date	July 10, 2017
Application Timing	R2 – Full Flower
Application Rate	355 ml/ac
Harvest Date	September 13, 2017

PRECIPITATION[†]

	May	June	July	Aug
Rainfall	26.1	51.3	43.0	20.0
Normal	68.8	101.5	75.0	67.9

[†] Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6

	WM Incidence	BS Incidence	BS Severity [†]
Acapela	0%	100%	1.4
Untreated	0%	100%	2.4
P-Value	n/a	n/a	<0.0001
Significance	n/a	n/a	Yes

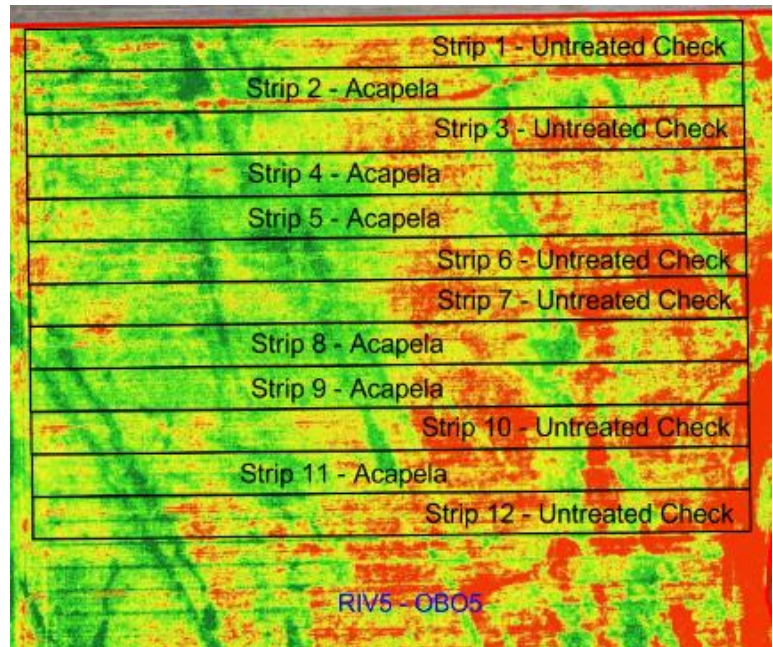
WM = White Mould, BS = Brown Spot

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

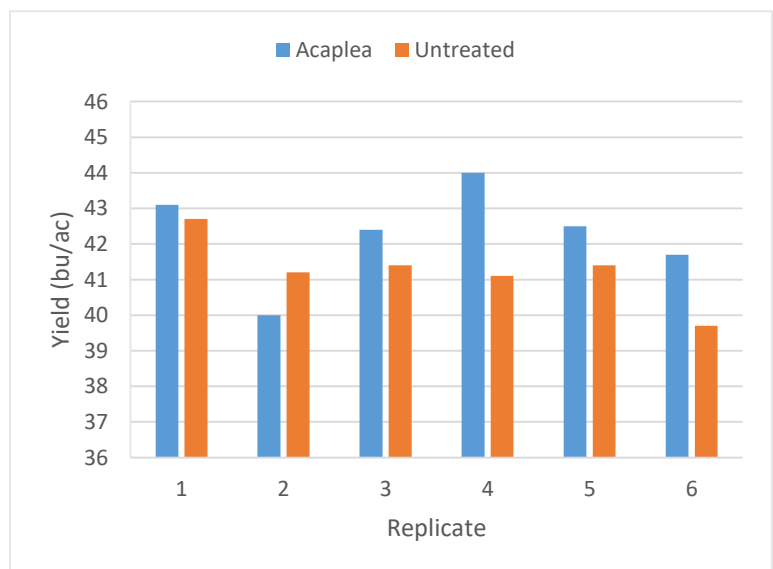
OVERALL YIELD

	Mean (bu/ac)
Acapela	42.3
Untreated	41.3
Yield Difference	1.0
P-Value	0.1306
CV	3.0%
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 severity within the trial; however, there was no difference in incidence compared to untreated strips. There was no white mould found within the trial when rated at growth stage R6.