

Soybean Foliar Fungicide Trial

Trial ID: 2016-SF03 – R.M. of Glenella-Lansdowne

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	Glenella-Lansdowne
Previous Crop	Winter Wheat
Soil Description	Sandy Loam Lacustrine
Tillage	Disc
Planting Date	May 18, 2016
Variety	LS 002R24N
Row Spacing	20"
Plant Stand @ Harvest	133,000 plants/ac
Application Date	July 4, 2016
Application Timing	R2 – Full Flower
Application Rate	350 ml/ac
Harvest Date	September 27, 2016

PRECIPITATION†

	May	June	July	Aug
Rainfall	90	90	50	43
Normal	68	80	83	60

† Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6†

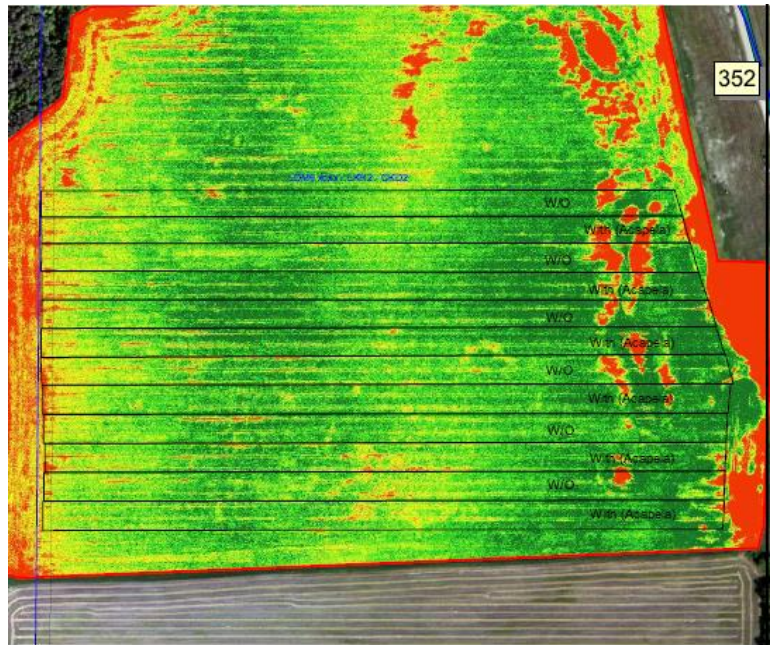
	White Mould	Brown Spot
Acapela	0.4	1.0
Untreated	1.0	1.5
P-Value	0.0114	0.0003
Significance	Yes	Yes

† Rated on a scale of 0-5 (0 = no disease, 5 = > 50% infection)

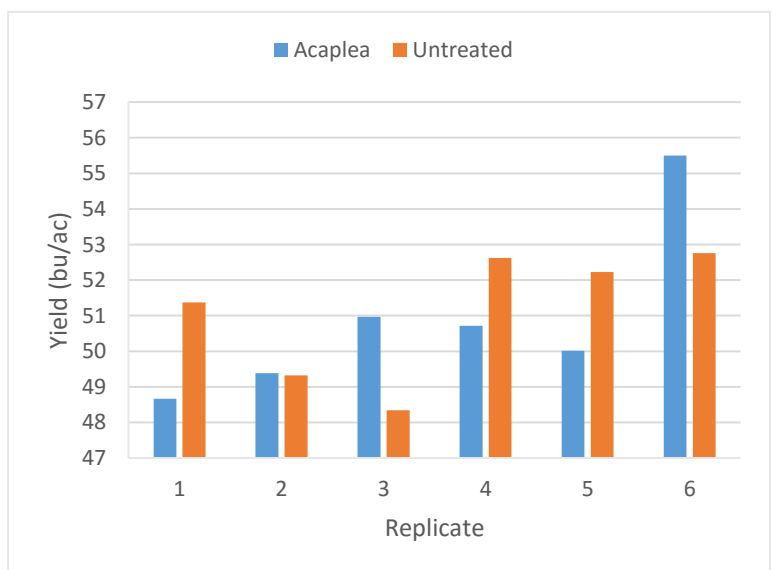
OVERALL YIELD

	Mean (bu/ac)
Acapela	50.9
Untreated	51.1
Yield Difference	-0.2
P-Value	0.8258
CV	4.0%
Significance	No

FIELD IMAGE – AUG. 17 (GROWTH STAGE R5.5)



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 white mould and brown spot disease pressure when rated at growth stage R6. The overall disease pressure was low for both diseases, and did not result in a yield response.