

Soybean Foliar Fungicide Trial

Trial ID: 2016-SF08 – R.M. of Morris

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	Morris
Previous Crop	Soybeans
Soil Description	Clayey Lacustrine
Tillage	Conventional
Planting Date	May 9, 2016
Variety	Pioneer P008T70R
Row Spacing	22"
Plant Stand @ Harvest	127,000 plants/ac
Application Date	July 19, 2016
Application Timing	R2 – Full Flower
Application Rate	350 ml/ac
Harvest Date	Sept. 20, 2016

PRECIPITATION†

	May	June	July	Aug
Rainfall	65	90	53	115
Normal	60	83	75	70

† Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6†

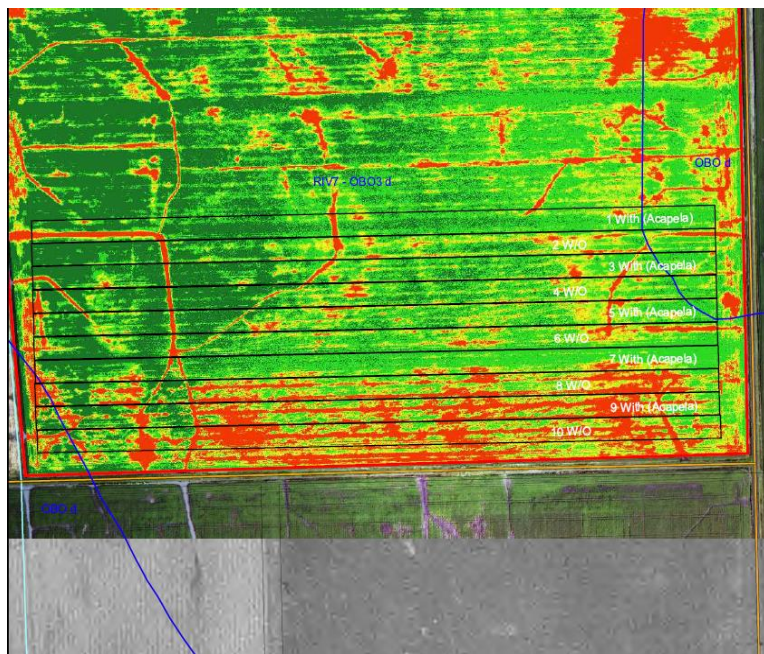
	White Mould	Brown Spot
Acapela	0	0.6
Untreated	0	0.8
P-Value	n/a	0.0042
Significance	n/a	Yes

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

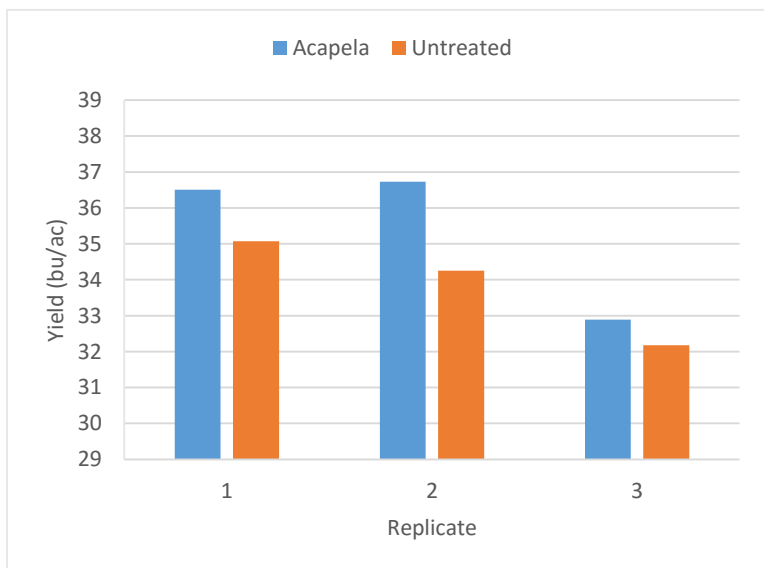
OVERALL YIELD

	Mean (bu/ac)
Acapela	33.9
Untreated	35.4
Yield Difference	1.5
P-Value	0.0933
CV	5.3%
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 brown spot disease pressure compared to untreated strips. White mould was not present within this trial when rated at growth stage R6. .