

Dry Bean Fungicide Trial – Navy Beans

Trial ID: 2017-DBF02 - R.M. of North Norfolk

Objective: The objective of this study was to quantify the agronomic and economic impacts of foliar fungicide in dry bean fields. Untreated check strips were compared to a single application of Lance and a single application of Acapela.

TRIAL INFORMATION

Treatment	Acapela Lance Untreated
Rural Municipality	North Norfolk
Previous Crop	Wheat
Soil Description	Loamy/Sandy Lacustrine
Tillage	Strip Till
Planting Date	May 22, 2017
Variety	Navy – Hyland T9905
Row Spacing	30"
Plant Population @V2	75,000 plants/ac
Application Date	July 27, 2017
Application Timing	R2 – early pin bean
Application Rate – Acapela	352 ml/ac
Application Rate – Lance	225 g/ac
Harvest Date	September 25, 2017

PRECIPITATION†

	May	June	July	August
Rainfall	31.7	76.9	24.8	14.6
Normal	57.3	89.4	78.1	65.7

† Growing season precipitation (mm)

WHITE MOULD DISEASE RATING‡

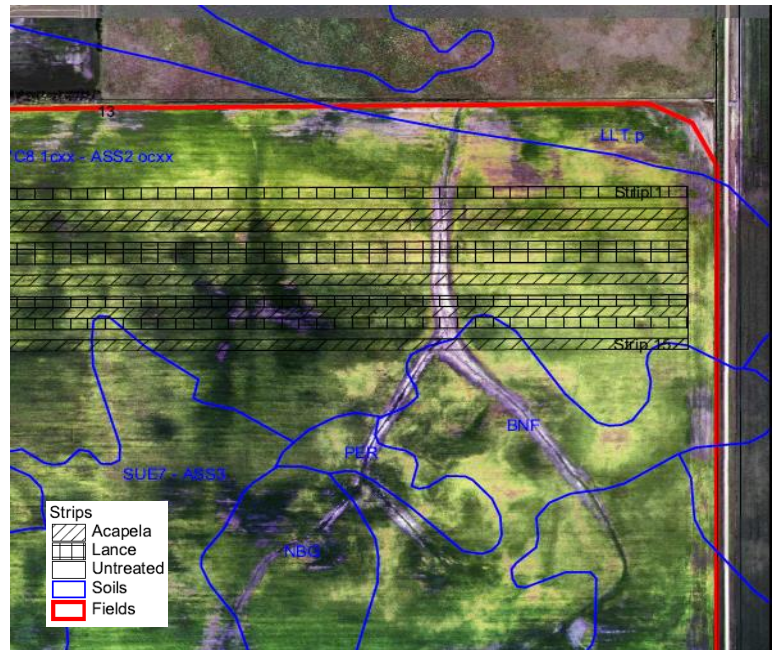
	Incidence	Severity
Acapela	18.4%	1.493
Lance	17.6%	1.427
Untreated	21.2%	1.508
P-Value	0.8925	0.9676
Significance	No	No

‡ Rated on a scale of 0-5 (0 = no disease, 5 = full infection) at growth stage R7

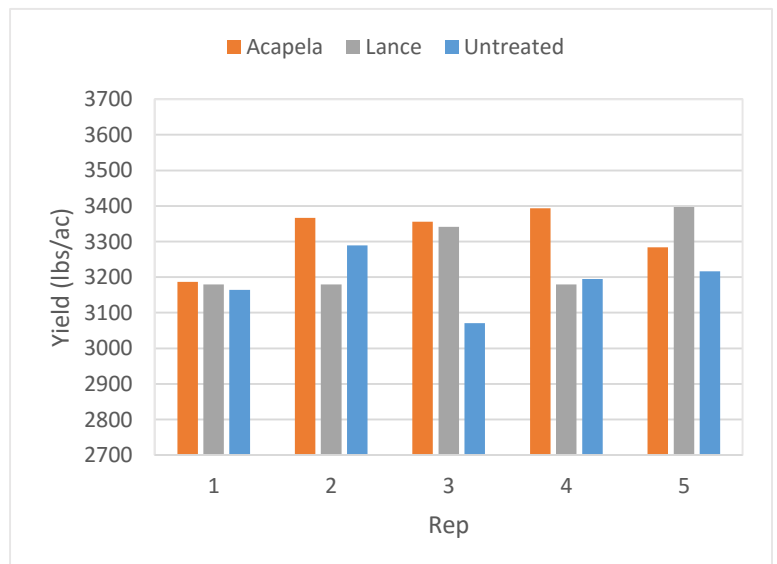
OVERALL YIELD

	Mean (lbs/ac)
Acapela	3317
Lance	3255
Untreated	3187
P-Value	0.1160
CV	3.1%
Significance	No

FIELD IMAGE – AUG. 25, 2017



STRIP YIELD



Summary: There was no significant yield difference between Acapela, Lance and untreated check strips applied at R2 (early pin bean). Rainfall was below normal for the entire growing season, with dry conditions during flowering. White mould incidence and severity was not significantly different between treatments.