

Dry Bean Fungicide Trial – Navy Beans

Trial ID: 2017-DBF05 - R.M. of Glenboro-South Cypress

Objective: The objective of this study was to quantify the agronomic and economic impacts of foliar fungicide in dry bean fields. A single application of Lance was compared to an untreated check strip.

TRIAL INFORMATION

Treatment	Lance vs. Untreated
Rural Municipality	Glenboro-South Cypress
Previous Crop	Oats
Soil Description	Loamy Lacustrine
Tillage	Conventional
Planting Date	May 24, 2017
Variety	Navy – Hyland T9905
Row Spacing	30"
Plant Population	---
Application Date	July 21, 2017
Application Timing	R2 – early pin bean
Application Rate	310 g/ac
Harvest Date	September 28, 2017

PRECIPITATION†

	May	June	July	August
Rainfall	33.4	53.5	97.3	15.7
Normal	58.8	96	78.9	65.3

† Growing season precipitation (mm)

WHITE MOULD DISEASE RATING‡

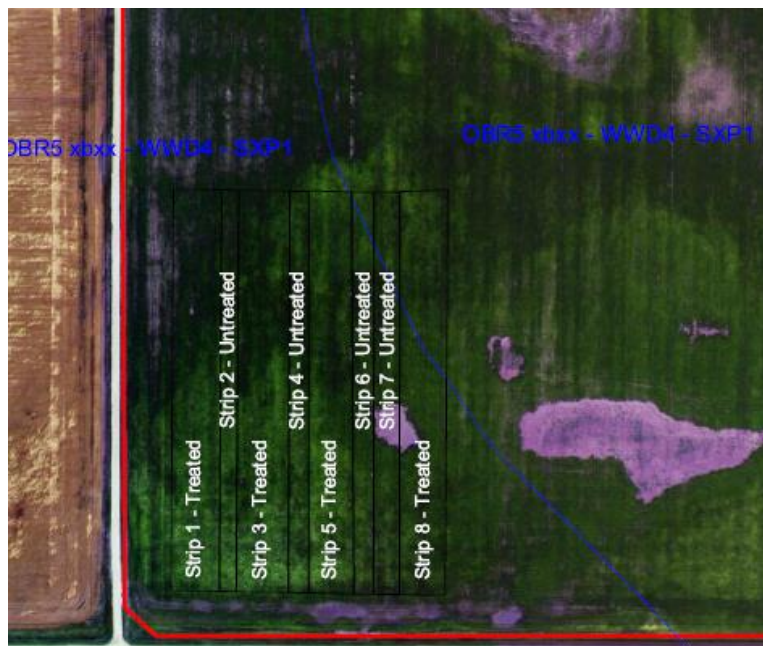
	Incidence	Severity
Lance	17.5%	1.77
Untreated	21.5%	1.98
P-Value	0.3801	0.1650
Significance	No	No

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

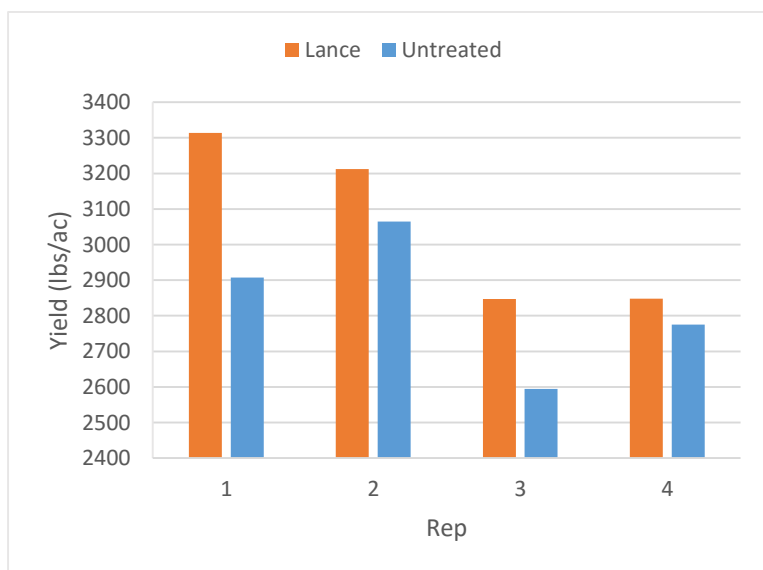
OVERALL YIELD

	Mean (lbs/ac)
Lance	3055
Untreated	2836
Yield Difference	220
P-Value	0.0558
CV	8.1%
Significance	No

FIELD IMAGE – AUG. 18, 2017



STRIP YIELD



Summary: There was no significant yield difference between a single application of Lance fungicide and untreated strips applied at R2 (early pin bean). White mould disease incidence and severity was not significantly different between treated and untreated strips. Rainfall was above normal for the month of July; however, rainfall was below normal for the rest of the growing season.