Dry Bean Fungicide Trial – Navy Beans

Trial ID: 2016-DBF01 - R.M. of North Norfolk

Objective: 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	North Norfolk
Previous Crop	Wheat
Soil Description	Sandy Lacustrine
Tillage	Conventional
Planting Date	May 30, 2016
Variety	Navy - T9905
Row Spacing	30”
Plant Population	90,000 plants/ac
Application Date	July 25, 2016
Application Timing	R2 – early pin bean
Application Rate	225 g/ac
Harvest Date	September 19, 2016

PRECIPITATIONǂ

	June	July	August	Sept
Rainfall	95.3	41.3	22.9	20.6
Normal	90	78.4	68.3	49.8

ǂ Growing season precipitation (mm) from June 10th to September 18th

WHITE MOULD DISEASE RATINGǂ

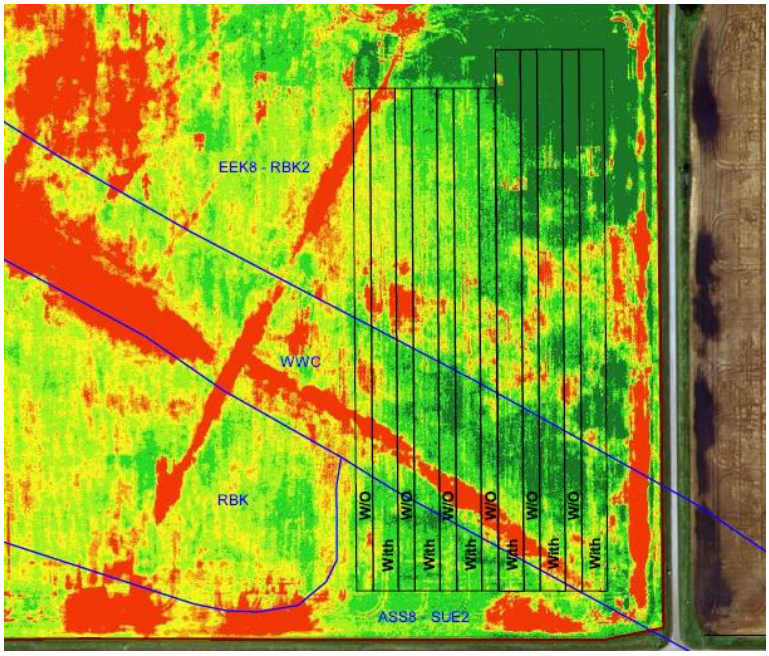
	Incidence	Severity
Lance	5.2%	1.0
Untreated	7.6%	1.0
P-Value	0.5547	0.8350
Significance	**No**	**No**

ǂ Rated on a scale of 0-5 (0 = no disease, 5 = full infection) on August 22nd at growth stage R7

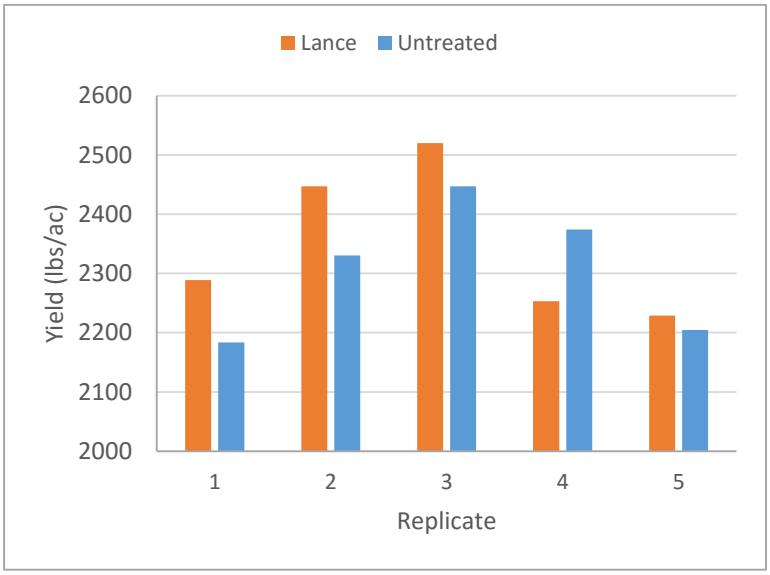
OVERALL YIELD

	Mean (lbs/ac)
Lance	2347
Untreated	2308
Yield Difference	39
P-Value	0.4132
CV	4.92%
Significance	**No**

FIELD IMAGE



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 below normal during the reproductive stages (July and August), and row canopy did not close during the growing season.

MPSG would like to thank BASF for providing the chemical for this trial

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