

Dry Bean Fungicide Trial – Pinto Beans

Trial ID: 2017-DBF03 - R.M. of Roland

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	Roland
Previous Crop	Corn
Soil Description	Sandy/Loam Lacustrine
Tillage	Conventional
Planting Date	May 24, 2017
Variety	Pinto – Windbreaker
Row Spacing	30"
Plant Population @V2	70,400 plants/ac
Application Date	July 20, 2017
Application Timing	R2 – early pin bean
Application Rate	300 g/ac
Harvest Date	September 3, 2017

PRECIPITATION†

	May	June	July	August
Rainfall	25.2	67.1	23.3	28.6
Normal	67.7	96.4	78.6	74.8

† Growing season precipitation (mm)

WHITE MOULD DISEASE RATING‡

	Incidence	Severity
Lance	0.33%	0.33
Untreated	1.71%	0.61
P-Value	0.1114	0.6269
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	2630
Untreated	2535
Yield Difference	95
P-Value	0.3013
CV	9.1%
Significance	No

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, with only trace amounts of white mould found within the trial. Rainfall was below normal for the entire growing season, which reduced the risk of white mould disease pressure.

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

FIELD IMAGE – AUG. 29, 2017



STRIP YIELD

