

Dry Bean Fungicide Trial – Navy Beans

Trial ID: 2018-DBF02 – R.M. of Rhineland

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 Cotegra was compared to an untreated check strip.

TRIAL INFORMATION

Treatment	Cotegra vs. Untreated
Rural Municipality	Rhineland
Previous Crop	Corn
Soil Description	Very Fine Sandy Loam
Tillage	Conventional
Planting Date	May 22, 2018
Variety	T9905
Row Spacing	30"
Plant Population @ R8	80,000 plants/ac
Application Date	July 13, 2018
Application Timing	R2 – beginning pod
Application Rate	400 ml/ac
Harvest Date	September 5, 2018

PRECIPITATION†

	May	June	July	Aug
Rainfall	34	44	39	42
Normal	56	85	75	66

† Growing season precipitation (mm)

WHITE MOULD DISEASE RATING‡

	Incidence	Severity
Cotegra	0	0
Untreated	0	0
P-Value	n/a	n/a
Significance	No	No

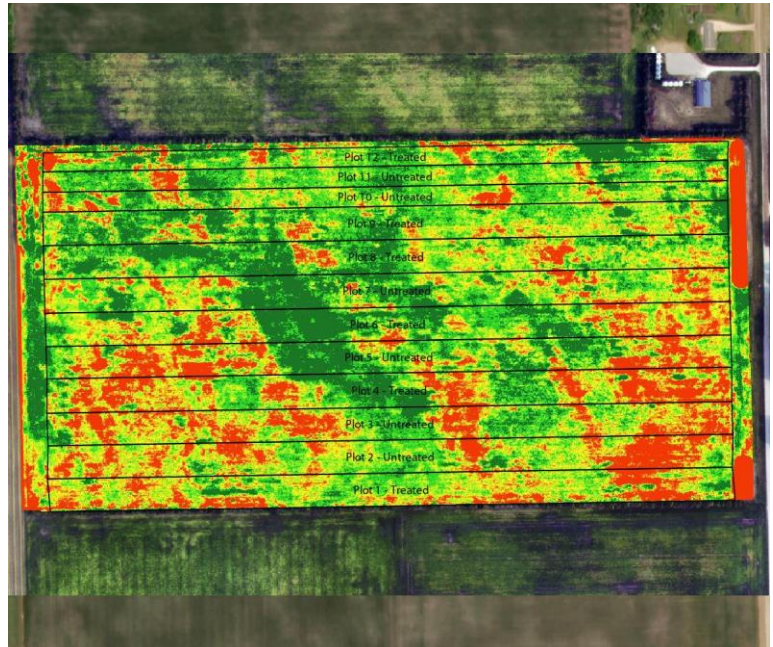
‡ Rated on a scale of 0-5 (0 = no disease, 5 = full infection) at growth stage R7

OVERALL YIELD

	Mean (lbs/ac)
Cotegra	2214
Untreated	2302
Yield Difference	- 88
P-Value	0.5041
CV	7.2%
Significance	No

Summary: There was no significant yield difference between a single application of Cotegra applied at R2 (beginning pod) and an untreated check. Rainfall was below normal for the growing season and there was no white mould observed within the trial when rated at R7 (full seed).

NDVI FIELD IMAGE – AUG. 11, 2018



STRIP YIELD

