

Field Pea Foliar Fungicide Trial

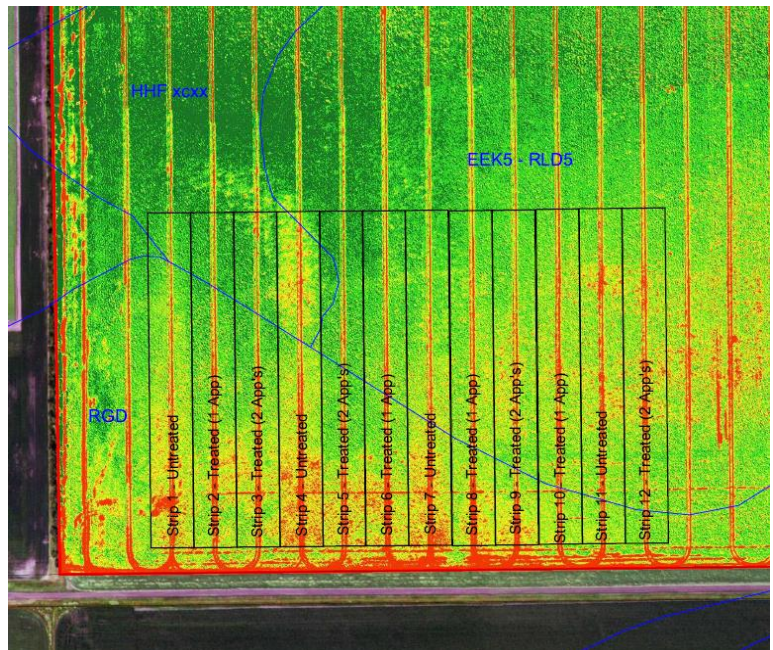
Trial ID: 2017-PF02 – R.M. of Roland

Objective: The objective of this study was to quantify the agronomic and economic impacts of foliar fungicide in field peas. One application and two applications of Delaro were compared to an untreated check strip.

TRIAL INFORMATION

Treatment	Delaro – 1 Application Delaro – 2 Applications Untreated
Rural Municipality	Roland
Previous Crop	Fall Rye
Soil Description	Loamy/Sandy Lacustrine
Tillage	Tandem Disc + Harrow
Planting Date	May 3, 2017
Variety	Granger Austrian Winter Pea
Row Spacing	7.5"
Seeding Rate	183 lbs/ac
App Date – 1 app	July 1, 2017
App Date – 2 app	July 10, 2017
Application Timing	Early Flower
Application Rate	355 ml/ac
Application Method	Ground
Harvest Date	August 30, 2017

NDVI FIELD IMAGE – JULY 23, 2017



PRECIPITATION†

	May	June	July	Aug
Rainfall	25.2	64.4	23.3	24.0
Normal	67.7	96.4	78.6	74.8

† Growing season precipitation until harvest (mm)

OVERALL YIELD

	Mean (bu/ac)*
Delaro – 2 Applications	60.4 A
Delaro – 1 Application	56.7 A
Untreated	48.4 B
P-Value	0.0013
CV	10.2%
Significance	Yes

*Means followed by the same letter are not significantly different

Summary: There was a significant yield difference of 12.0 bu/ac between field peas sprayed with Delaro fungicide and untreated strips; however, there was no significant difference between one application and two applications of Delaro. The pea variety is a semi-leafless type that can produce a lot of biomass. Rainfall was below average for the entire growing season.

STRIP YIELD

