

## Field Pea Foliar Fungicide Trial

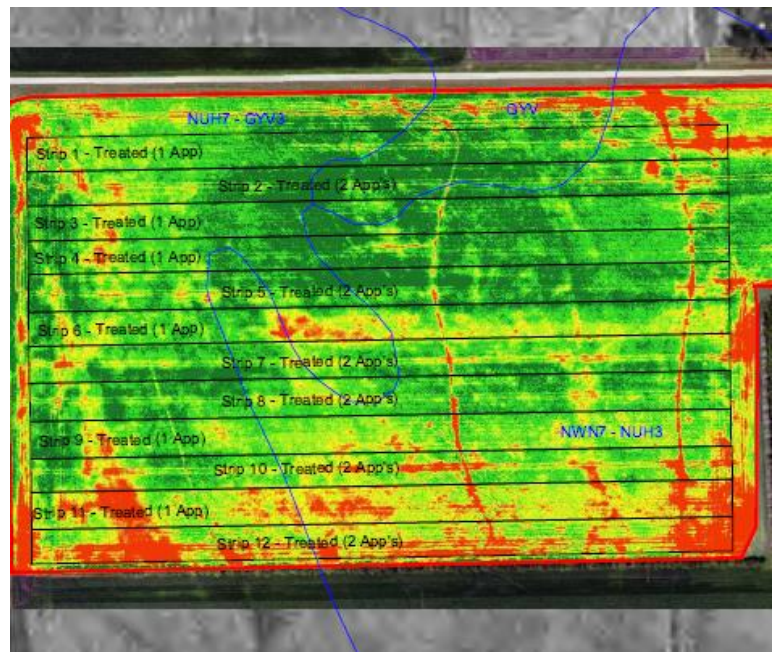
Trial ID: 2017-PF06 – R.M. of Rhineland

**Objective:** The objective of this study was to quantify the agronomic and economic impacts of foliar fungicides in field peas. One application of fungicide was compared to two applications of fungicide. The first application was Priaxor and the second application was Delaro. There was no untreated check strip within this trial.

### TRIAL INFORMATION

<b>Treatment</b>	Priaxor – 1 <sup>st</sup> application Delaro – 2 <sup>nd</sup> application
<b>Rural Municipality</b>	Rhineland
<b>Previous Crop</b>	Corn
<b>Soil Description</b>	Loamy Lacustrine
<b>Tillage</b>	Deep Till
<b>Planting Date</b>	April 29, 2017
<b>Variety</b>	CDC Amarillo
<b>Row Spacing</b>	7.5"
<b>Seeding Rate</b>	2.5 bu/ac
<b>App Date – Priaxor</b>	June 22, 2017
<b>App Date – Delaro</b>	July 6, 2017
<b>Application Timing</b>	Early Flower
<b>App Rate – Delaro</b>	355 ml/ac
<b>App Method – Priaxor</b>	Air
<b>App Method – Delaro</b>	Ground
<b>Harvest Date</b>	August 18, 2017

### NDVI FIELD IMAGE – JULY 23, 2017



### PRECIPITATION†

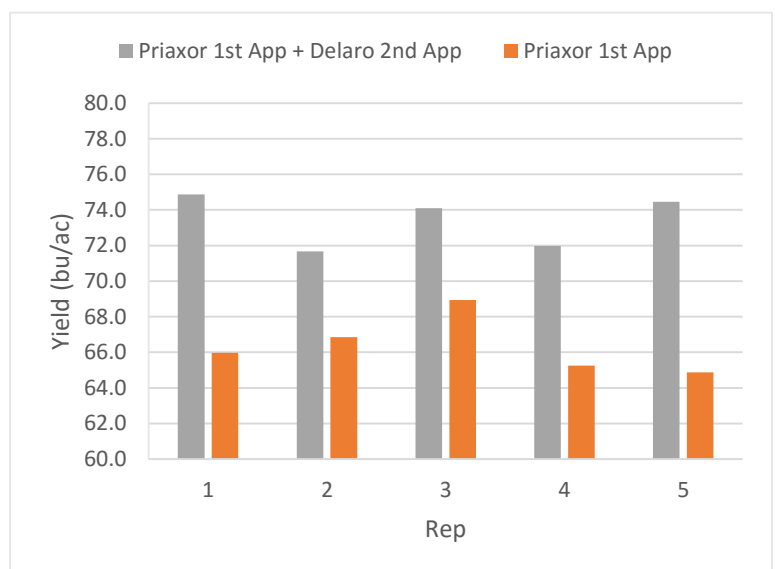
	May	June	July	Aug
<b>Rainfall</b>	26.1	51.3	43.0	16.3
<b>Normal</b>	68.8	101.5	75	67.9

† Growing season precipitation (mm)

### OVERALL YIELD

	Mean (bu/ac)
<b>Priaxor - 1<sup>st</sup> App + Delaro 2<sup>nd</sup> App</b>	73.4
<b>Priaxor - 1<sup>st</sup> App</b>	66.4
<b>Yield Difference</b>	7.0
<b>P-Value</b>	0.0017
<b>CV</b>	5.7%
<b>Significance</b>	Yes

### STRIP YIELD



**Summary:** There was a significant difference in yield between one application of fungicide vs. two applications of fungicide. The first application of fungicide was applied by air, while the second application was applied by ground. Application method and fungicide product was different between the first and second applications of fungicide. Due to these differences, the cause of yield increase for the second application of fungicide is unclear, i.e., application method, product or a combination of both.