

## Dry Bean Fungicide Trial – Pinto Beans

Trial ID: 2017-DBF06 - R.M. of Stanley

**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 Acapela was compared to an untreated check strip.

### TRIAL INFORMATION

<b>Treatment</b>	Acapela vs. Untreated
<b>Rural Municipality</b>	Stanley
<b>Previous Crop</b>	Canola
<b>Soil Description</b>	Sandy/Loamy lacustrine
<b>Tillage</b>	Conventional
<b>Planting Date</b>	May 15, 2017
<b>Variety</b>	Pinto – Windbreaker
<b>Row Spacing</b>	30"
<b>Plant Population</b>	---
<b>Application Date</b>	July 24, 2017
<b>Application Timing</b>	R2 – early pin bean
<b>Application Rate</b>	355 ml/ac
<b>Harvest Date</b>	September 11, 2017

### PRECIPITATION†

	May	June	July	August
<b>Rainfall</b>	25.9	62.1	61.6	22.7
<b>Normal</b>	79.3	100.1	77.8	77.1

† Growing season precipitation (mm)

### WHITE MOULD DISEASE RATING‡

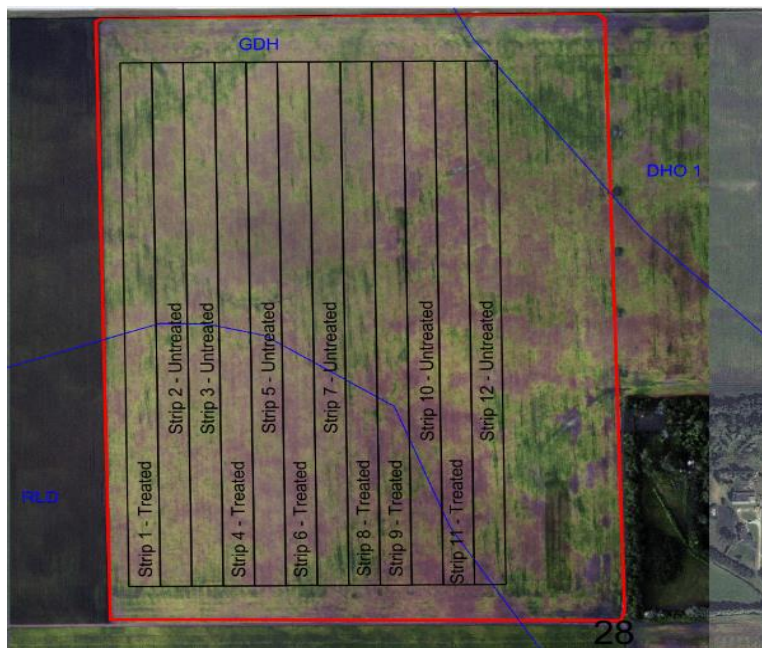
	Incidence	Severity
<b>Acapela</b>	3.0%	0.67
<b>Untreated</b>	9.7%	2.3
<b>P-Value</b>	0.0059	0.0017
<b>Significance</b>	<b>Yes</b>	<b>Yes</b>

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

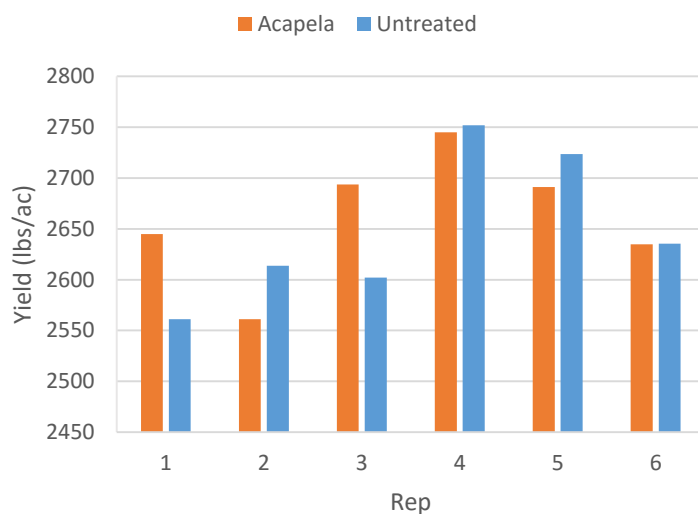
### OVERALL YIELD

	Mean (lbs/ac)
<b>Acapela</b>	2662
<b>Untreated</b>	2648
<b>Yield Difference</b>	14
<b>P-Value</b>	0.5991
<b>CV</b>	2.5%
<b>Significance</b>	<b>No</b>

### FIELD IMAGE – AUG. 24, 2017



### STRIP YIELD



**Summary:** There was no significant yield difference between a single application of Acapela fungicide and untreated strips applied at R2 (early pin bean). Treated strips of Acapela had significantly lower white mould incidence and severity compared to untreated strips. Rainfall was below normal for the entire growing season, which reduced the risk of white mould disease pressure.