

Soybean Foliar Fungicide Trial

Trial ID: 2015-SF08 – R.M. of Westlake – Gladstone

Objective: Quantify the agronomic and economic impacts of foliar fungicide in soybean fields. A single application of Acapela was compared to an untreated check strip.

TRIAL INFORMATION

| | |
|------------------------------|-----------------------|
| Treatment | Acapela vs. Untreated |
| Rural Municipality | Westlake – Gladstone |
| Previous Crop | Spring Wheat |
| Soil Description | Clayey Lacustrine |
| Tillage | Conventional |
| Planting Date | May 5, 2015 |
| Variety | 24-10 RY |
| Row Spacing | 10" |
| Plant Stand @ Harvest | 159,000 plants/ac |
| Application Date | July 17, 2015 |
| Application Timing | R2 – Full Flower |
| Application Rate | 350 ml/ac |
| Harvest Date | September 24, 2015 |

PRECIPITATION†

| | May | June | July | Aug |
|-----------------|------|------|------|------|
| Rainfall | - | - | - | - |
| Normal | 56.3 | 87.9 | 74.4 | 65.9 |

† Growing season precipitation (mm)

DISEASE RATING @ GROWTH STAGE R6†

| | White Mould | Brown Spot |
|---------------------|-------------|------------|
| Acapela | 0.5 | 0.7 |
| Untreated | 1.3 | 1.0 |
| P-Value | 0.1295 | 0.0250 |
| Significance | No | Yes |

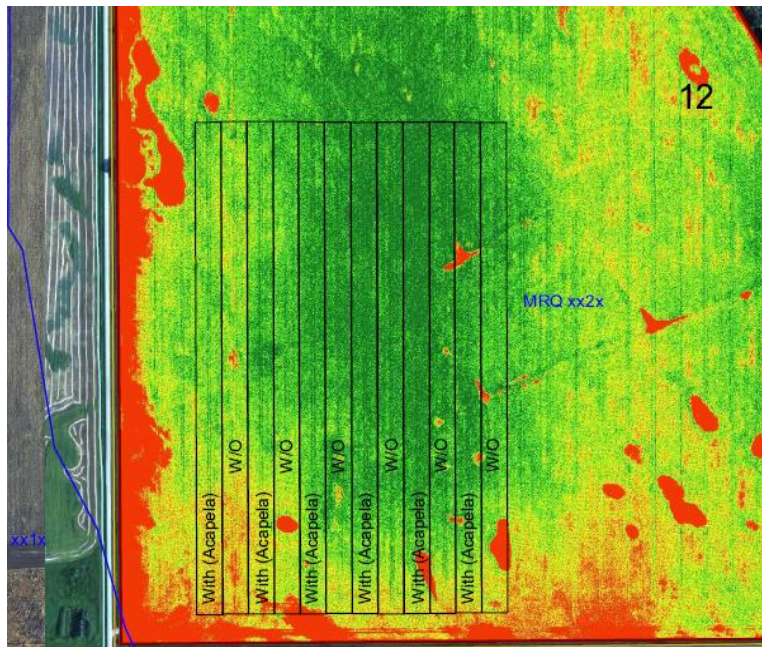
† Rated on a scale of 0-5 (0 = no disease, 5 = >50% infection)

OVERALL YIELD

| | Mean (bu/ac) |
|-------------------------|--------------|
| Acapela | 57.9 |
| Untreated | 56.4 |
| Yield Difference | 1.5 |
| P-Value | 0.2833 |
| CV | 3.7% |
| Significance | No |

Summary: There is no significant yield difference between a single application of Acapela and untreated check strips applied at R2 (full flower). Acapela significantly reduced the brown spot disease pressure compared to untreated strips when rated at growth stage R6.

NDVI FIELD IMAGE – AUG 19 (GROWTH STAGE R6)



STRIP YIELD

