# Wheat Fusarium Head Blight Fungicide Timing

**Trial ID: 2021-WFHB02— R.M. of Ste. Anne**

**Objective:** The purpose of this project is to quantify the impact of fusarium head blight on the quality of harvested grain by comparing the farmer's normal fungicide application at recommended rate and timing to a fungicide application 3 to 5 days later

| TRIAL INFORMATION | |
|---|---|
| **Location** | Ste. Anne |
| **Previous Crop** | Sunflower |
| **Soil Texture** | Clay |
| **Tillage** | Conventional Tillage |
| **Planting Date** | May 01, 2021 |
| **Variety** | AAC Brandon |
| **Row Spacing** | 10" |
| **Seeding Rate** | 150 lbs/ac |
| **Fungicide Product** | Prosaro XTR |
| **Rec'd App Date** | June 30, 2021 |
| **Rec'd App Timing** | GS61 (Early Flower) |
| **3-5 Days Later** | July 03, 2021 |
| **Harvest Date** | August 13, 2021 |

**PRECIPITATION†**

| | May | June | July | Aug | Total |
|---|---|---|---|---|---|
| **Rainfall** | 38 | 58 | 14 | 40 | **150** |
| **Normal** | 56 | 84 | 77 | 42 | **259** |

†Growing season precipitation (mm) - May 01—Aug 15

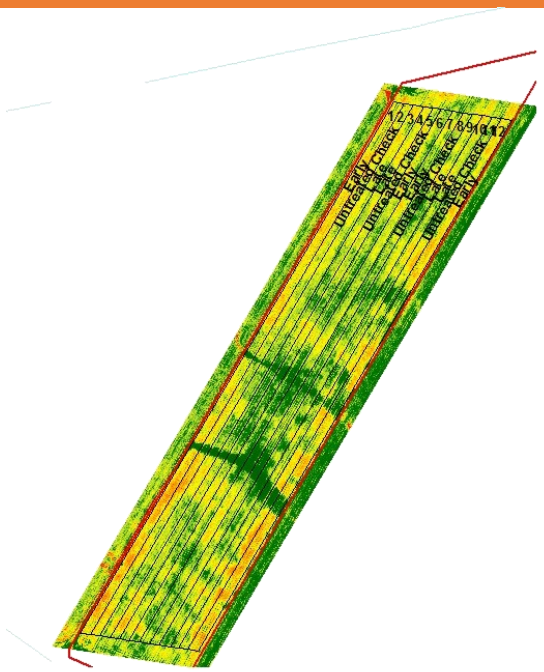
**WHEAT QUALITY**

| | Protein | DON | TWT (kg/hL) | Falling Number |
|---|---|---|---|---|
| **Rec'd Timing** | 18.3 | 0.0 | 73 | 361 |
| **Late Timing** | 17.2 | 0.0 | 74 | 360 |
| **Untreated** | 17.0 | 0.0 | 74 | 347 |

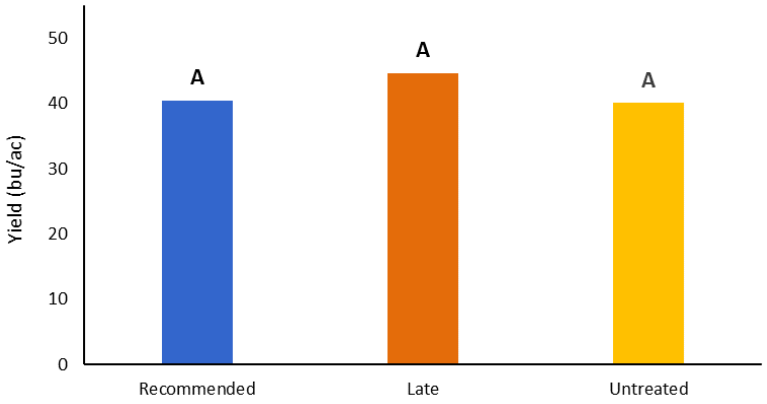
**OVERALL YIELD**

| | Mean (bu/ac) |
|---|---|
| **Rec'd Timing** | 40.5$^{A}$ |
| **Late Timing** | 44.7$^{A}$ |
| **Untreated** | 40.1$^{A}$ |
| **P-Value** | 0.1412 |
| **CV** | 7.32% |
| **Significance** | No |

**FIELD IMAGE**




**YIELD BY TREATMENT**




**Summary: There was no significant yield difference between the recommended, late timing and untreated check for the fusarium head blight fungicide applications. Wheat quality was #1 grade for CWRS. Rainfall was well below normal for the growing season.**

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