

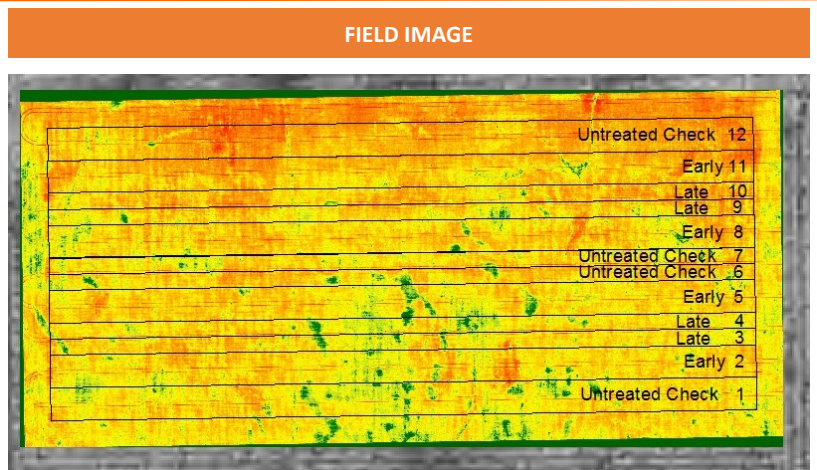


Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2021-WFHB03— R.M. of Grey

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 | Elm Creek |
| Previous Crop | Oats |
| Soil Texture | Clay |
| Tillage | Conventional Tillage |
| Planting Date | April 09, 2021 |
| Variety | Bolles |
| Row Spacing | 10" |
| Seeding Rate | 135 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 07, 2021 |
| Harvest Date | July 30, 2021 |



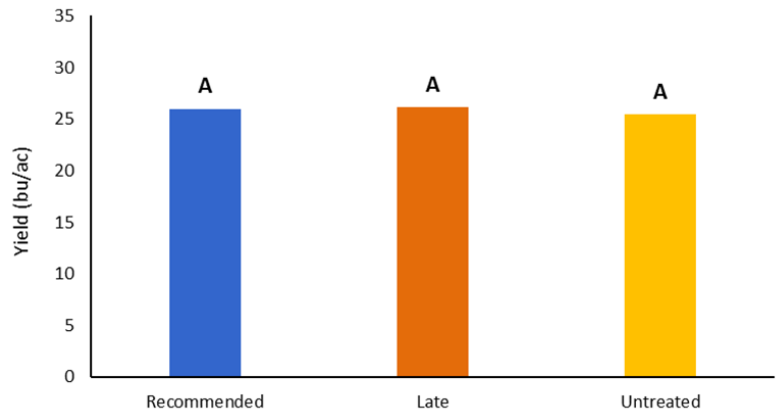
| PRECIPITATION† | | | | | |
|----------------|-----|------|------|-----|-------|
| | May | June | July | Aug | Total |
| Rainfall | 50 | 71 | 16 | 23 | 160 |
| Normal | 53 | 74 | 60 | 48 | 235 |

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

| WHEAT QUALITY | | | | |
|---------------|---------|-----|-------------|----------------|
| | Protein | DON | TWT (kg/hL) | Falling Number |
| Rec'd Timing | 18.0 | 0.0 | 80 | 352 |
| Late Timing | 17.1 | 0.0 | 80 | 355 |
| Untreated | 17.5 | 0.1 | 81 | 366 |

| OVERALL YIELD | |
|---------------|-------------------|
| | Mean (bu/ac) |
| Rec'd Timing | 26.0 ^A |
| Late Timing | 26.1 ^A |
| Untreated | 25.5 ^A |
| P-Value | 0.4928 |
| CV | 3.14% |
| Significance | No |

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 average before fungicide application and extremely below normal following application until harvest.



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