

May

28

54

Protein

14.4

14.5

14.5

+ Growing season precipitation (mm)

Rainfall

Normal

Rec'd Timing

3-5 Days Later

Untreated

Rec'd Timing

3-5 Days Later

Untreated

Significance

P-Value

CV

1

June

85

86

WHEAT QUALITY

Don

< 0.3

< 0.3

<0.3

OVERALL YIELD

July

38

72

Test

Weight

404

406

403

Mean (bu/ac)

83.7 ab*

84.6 a

80.8 **b**

0.0382

2.8%

Yes

Aug 27

65

Falling

Number

>360

>360

>360

Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2018-WFHB01 – R.M. of Morris

Objective: Quantify the impact of fusarium head blight on the quality of harvested grain by comparing the farmers normal fungicide application at recommended rate and timing to a fungicide application 3 to 5 days later.

| TRIAL INFORMATION | | FIELD IMAGE – JULY 28, 2018 | |
|------------------------|--|-----------------------------|--|
| Treatment | Rec'd timing vs. 3-5 days later vs. Untreated | | |
| Rural Municipality | Morris | | |
| Previous Crop | Soybean | Plot 1 - Recommended | |
| Soil Texture | Clay | Plot 2 - Check | |
| Tillage | Conventional | Plot 3 - Late | |
| Seeding Date | April 26, 2018 | Plot 4 - Recommended | |
| /ariety | Rowyn | Plot 5 - Check | |
| Row Spacing | 7.5″ | Plot 6 - Late | |
| Seeding Rate | 175 lbs/ac | Plot 7 - Recommended | |
| ungicide Product | Caramba | Plot 8 - Check | |
| Rec'd App Date | June 25, 2018 | Plot 9 - Late | |
| Rec'd App Timing | 20% flower | Plot 10 - Recommended | |
| 3-5 Day Later App Date | June 27, 2018 | Plot 11 - Check | |
| · · · | August 10, 2018 | Plot 12 - Late | |



| * Means followed by the same letter | are not significantly different at P=0.05 |
|-------------------------------------|---|
| means jonowed by the sume letter i | are not significantly afferent at 1 0.05 |

Summary: There was a significant yield difference between a single application of fungicide at the late timing compared to an untreated check; however, there was no significant yield difference between the recommended application timing and the late and untreated check. Wheat quality was consistent between all treatments receiving a #1 grade for CPSR.



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Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2018-WFHB02 - R.M. of Louise

Objective: Quantify the impact of fusarium head blight on the quality of harvested grain by comparing the farmers normal fungicide application at recommended rate and timing to a fungicide application 3 to 5 days later.

| TRIAL INFORMATION | | | |
|---|-----------------|--|--|
| TreatmentRec'd timing vs. 3-5 dalater vs. Untreated | | | |
| Rural Municipality | Louise | | |
| Previous Crop | Canola | | |
| Soil Texture | Clay Loam | | |
| Tillage | Reduced | | |
| Seeding Date | May 1, 2018 | | |
| Variety | Brandon | | |
| Row Spacing | 7.5″ | | |
| Seeding Rate | 146 lbs/ac | | |
| Fungicide Product | Prosaro XTR | | |
| Rec'd App Date | June 27, 2018 | | |
| Rec'd App Timing | First flower | | |
| 3-5 Day Later App Date | June 30, 2018 | | |
| Harvest Date | August 16, 2018 | | |

| PRECIPITATION | | | | |
|-------------------|----|----|----|----|
| May June July Aug | | | | |
| Rainfall | 54 | 99 | 31 | 37 |
| Normal | 61 | 90 | 68 | 72 |

+ Growing season precipitation (mm)

| WHEAT QUALITY | | | | | | |
|---|------|------|-----|------|--|--|
| Test Falling Protein Don Weight Number | | | | | | |
| Rec'd Timing | 14.4 | <0.3 | 412 | >360 | | |
| 3-5 Days Later | 14.3 | <0.3 | 412 | >360 | | |
| Untreated | 14.7 | <0.3 | 412 | >360 | | |

OVERALL YIELD

| | Mean (bu/ac) |
|----------------|--------------|
| Rec'd Timing | 86.2 |
| 3-5 Days Later | 87.5 |
| Untreated | 84.4 |
| P-Value | 0.3459 |
| CV | 5.6% |
| Significance | No |

FIELD IMAGE – JULY 25, 2018



Recommended ■ Late ■ Untreated 97 95 93 91 Yield (bu/ac) 89 87 85 83 81 79 77 75 1 2 3 4 Replicate

Summary: There was no significant yield difference between the recommended timing, late timing, and untreated check for fusarium head blight fungicide applications. Wheat quality was consistent for all treatments, receiving a #1 grade for CWRS. Rainfall was near normal for June, but below normal for the remainder of the growing season.



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STRIP YIELD



Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2018-WFHB03 – R.M. of Dufferin

Objective: Quantify the impact of fusarium head blight on the quality of harvested grain by comparing the farmers normal fungicide application at recommended rate and timing to a fungicide application 3 to 5 days later.

| TRIAL INFORMATION | | | |
|---|----------------|--|--|
| Treatment Rec'd timing vs. 3-5 days later | | | |
| Rural Municipality | Dufferin | | |
| Previous Crop | Soybean | | |
| Soil Texture | Clay | | |
| Tillage | Conventional | | |
| Seeding Date | May 2, 2018 | | |
| Variety Brandon | | | |
| Row Spacing | 9″ | | |
| Seeding Rate | 135 lbs/ac | | |
| Fungicide Product | Caramba | | |
| Rec'd App Date | June 28, 2018 | | |
| Rec'd App Timing | 20% flower | | |
| 3-5 Day Later App Date | July 2, 2018 | | |
| Harvest Date | August 9, 2018 | | |

| PRECIPITATION | | | | | |
|-------------------|----|----|----|----|--|
| May June July Aug | | | | | |
| Rainfall | 29 | 70 | 41 | 22 | |
| Normal | 54 | 81 | 66 | 71 | |

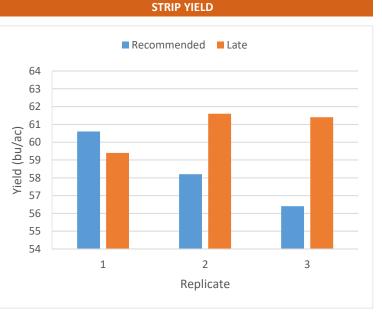
+ Growing season precipitation (mm)

| WHEAT QUALITY | | | | | |
|---|------|------|-----|------|--|
| Test Falling Protein Don Weight Number | | | | | |
| Rec'd Timing | 16.2 | <0.3 | 411 | >360 | |
| 3-5 Days Later | 15.8 | <0.3 | 412 | >360 | |

| OVERALL YIELD | | | |
|------------------|--------------|--|--|
| | Mean (bu/ac) | | |
| Rec'd Timing | 58.4 | | |
| 3-5 Days Later | 60.8 | | |
| Yield Difference | 2.4 | | |
| P-Value | 0.1627 | | |
| CV | 3.4% | | |
| Significance | No | | |

FIELD IMAGE - JULY 28, 2018





Summary: There was no significant yield difference between the recommended and late fungicide application timings for fusarium head blight. Wheat quality was consistent for both treatments, receiving a #1 grade for CWRS. Rainfall was below normal for the entire growing season at this site. There was no replicated untreated check strip in this trial.



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Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2018-WFHB04 – R.M. of Grey

Objective: Quantify the impact of fusarium head blight on the quality of harvested grain by comparing the farmers normal fungicide application at recommended rate and timing to a fungicide application 3 to 5 days later.

| TRIAL INFORMATION | | | |
|------------------------|--|--|--|
| Treatment | Rec'd timing vs. 3-5 days later vs. Untreated | | |
| Rural Municipality | Grey | | |
| Previous Crop | Soybean | | |
| Soil Texture | Clay | | |
| Tillage | Conventional | | |
| Seeding Date | May 1, 2018 | | |
| Variety | Brandon | | |
| Row Spacing | 7.5″ | | |
| Seeding Rate | 135 lb/ac | | |
| Fungicide Product | Folicur | | |
| Rec'd App Date | June 25, 2018 | | |
| Rec'd App Timing | First flower | | |
| 3-5 Day Later App Date | June 29, 2018 | | |
| Harvest Date | August 15, 2018 | | |

| PRECIPITATION | | | | | |
|-------------------|----|----|----|----|--|
| May June July Aug | | | | | |
| Rainfall | 29 | 70 | 41 | 22 | |
| Normal | 54 | 81 | 66 | 71 | |

+ Growing season precipitation (mm)

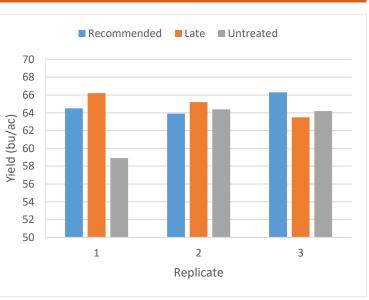
| WHEAT QUALITY | | | | | |
|----------------|---------|------|----------------|-------------------|--|
| | Protein | Don | Test Weight | Falling Number | |
| Rec'd Timing | 15.4 | <0.3 | 403 | >360 | |
| 3-5 Days Later | 15.5 | <0.3 | 404 | >360 | |
| Untreated | 15.7 | 0.3 | 403 | >360 | |

OVERALL YIELD

| | Mean (bu/ac) |
|----------------|--------------|
| Rec'd Timing | 64.9 |
| 3-5 Days Later | 65.0 |
| Untreated | 62.5 |
| P-Value | 0.3277 |
| CV | 3.4% |
| Significance | No |

FIELD IMAGE – JULY 28, 2018





Summary: There was no significant yield difference between the recommended timing, late timing, and untreated check for fusarium head blight fungicide applications. Wheat quality was consistent for all treatments, receiving a #1 grade for CWRS. Rainfall was near normal for June, but below normal for the remainder of the growing season.



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STRIP YIELD