

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	
Treatment	Rec'd timing vs. 3-5 days later vs. Untreated
Rural Municipality	Morris
Previous Crop	Soybean
Soil Texture	Clay
Tillage	Conventional
Seeding Date	April 26, 2018
Variety	Rowyn
Row Spacing	7.5"
Seeding Rate	175 lbs/ac
Fungicide Product	Caramba
Rec'd App Date	June 25, 2018
Rec'd App Timing	20% flower
3-5 Day Later App Date	June 27, 2018
Harvest Date	August 10, 2018



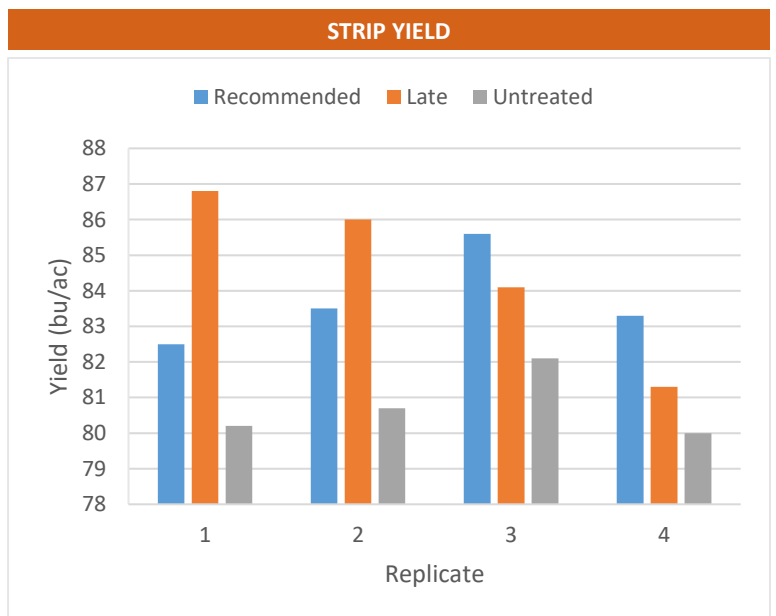
PRECIPITATION [†]				
	May	June	July	Aug
Rainfall	28	85	38	27
Normal	54	86	72	65

[†] Growing season precipitation (mm)

WHEAT QUALITY				
	Protein	Don	Test Weight	Falling Number
Rec'd Timing	14.4	<0.3	404	>360
3-5 Days Later	14.5	<0.3	406	>360
Untreated	14.5	<0.3	403	>360

OVERALL YIELD	
	Mean (bu/ac)
Rec'd Timing	83.7 ab*
3-5 Days Later	84.6 a
Untreated	80.8 b
P-Value	0.0382
CV	2.8%
Significance	Yes

* Means followed by the same letter are not significantly different at P=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.

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	
Treatment	Rec'd timing vs. 3-5 days later 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



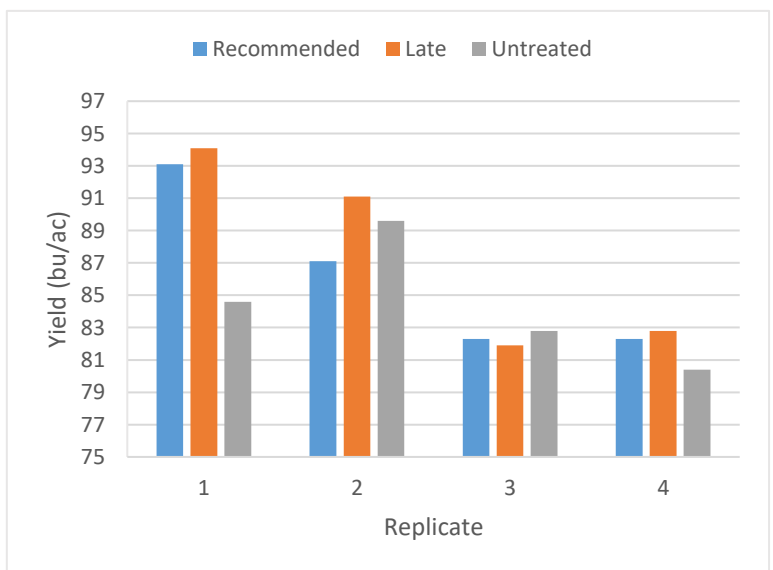
PRECIPITATION [†]				
	May	June	July	Aug
Rainfall	54	99	31	37
Normal	61	90	68	72

[†] Growing season precipitation (mm)

WHEAT QUALITY				
	Protein	Don	Test Weight	Falling 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

STRIP YIELD



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.

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

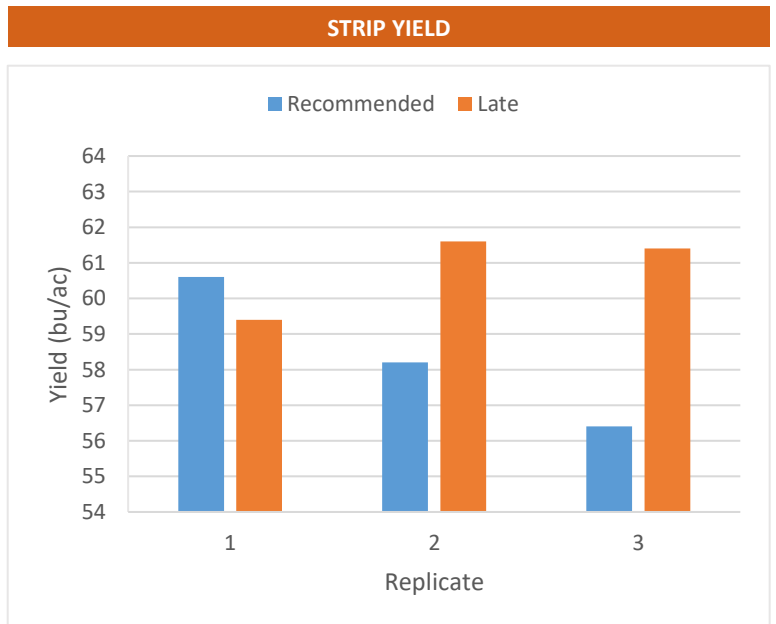


PRECIPITATION†				
	May	June	July	Aug
Rainfall	29	70	41	22
Normal	54	81	66	71

† Growing season precipitation (mm)

WHEAT QUALITY				
	Protein	Don	Test Weight	Falling 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



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..

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

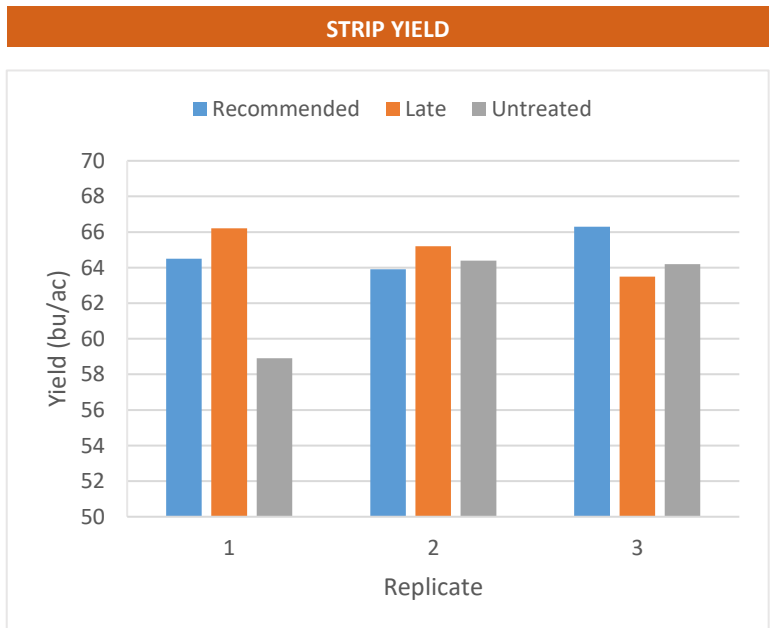


PRECIPITATION†				
	May	June	July	Aug
Rainfall	29	70	41	22
Normal	54	81	66	71

† 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



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.