

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

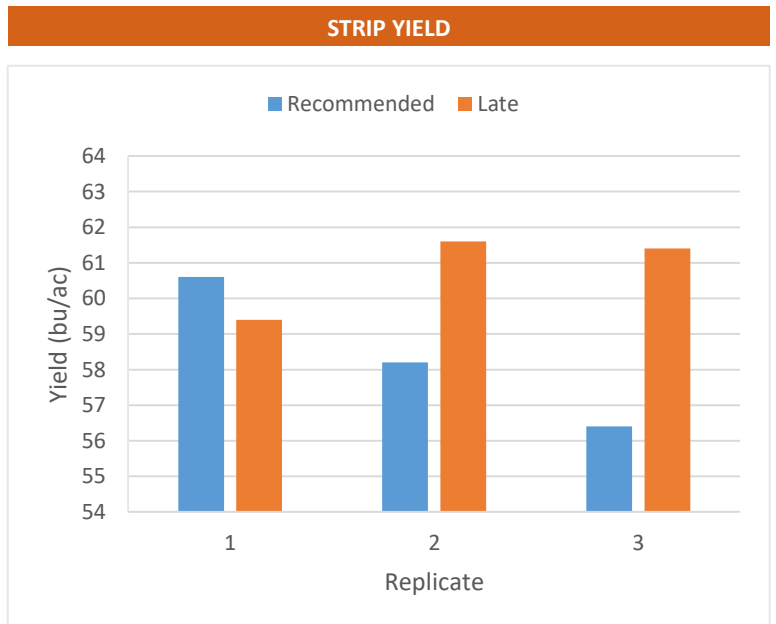


PRECIPITATION†				
	May	June	July	Aug
Rainfall	29	70	41	22
Normal	54	81	66	71

† 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..