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

PRECIPITATIONǂ

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

ǂ Growing season precipitation (mm)

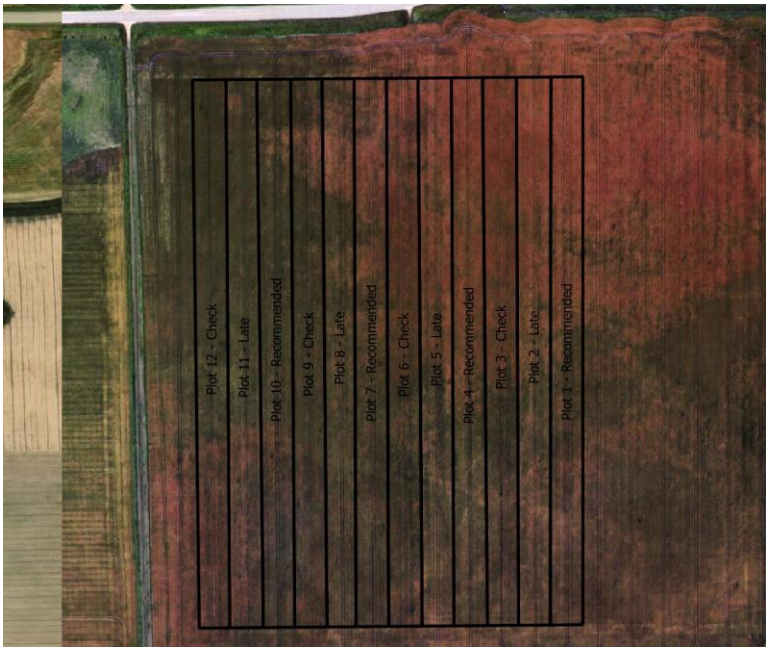
WHEAT QUALITY

	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

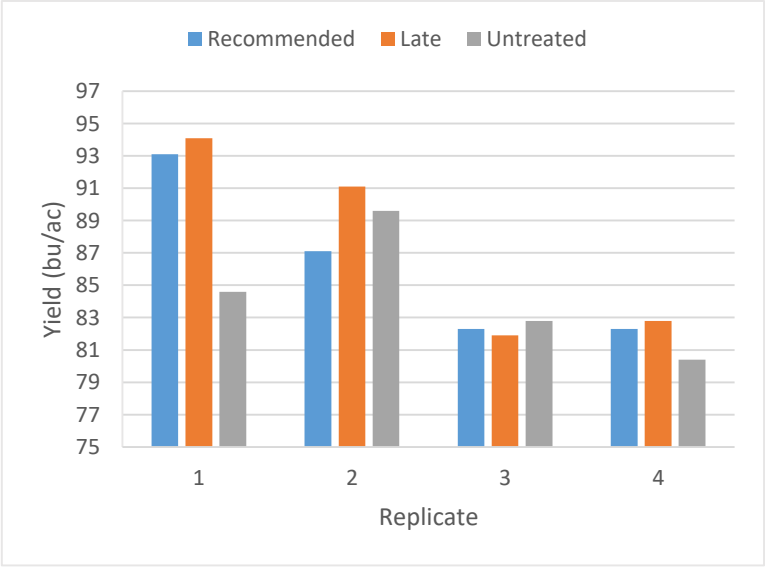
OVERALL YIELD

	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

FIELD IMAGE – JULY 25, 2018



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.

MWBGA would like to thank the Canadian Grain Commission for conducting the wheat quality analysis for this trial through the Harvest Sample Program

Manitoba Wheat and Barley Growers Association
T 204 745.6661
www.mbwheatandbarley.ca