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

PRECIPITATIONǂ

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

ǂ Growing season precipitation (mm)

WHEAT QUALITY

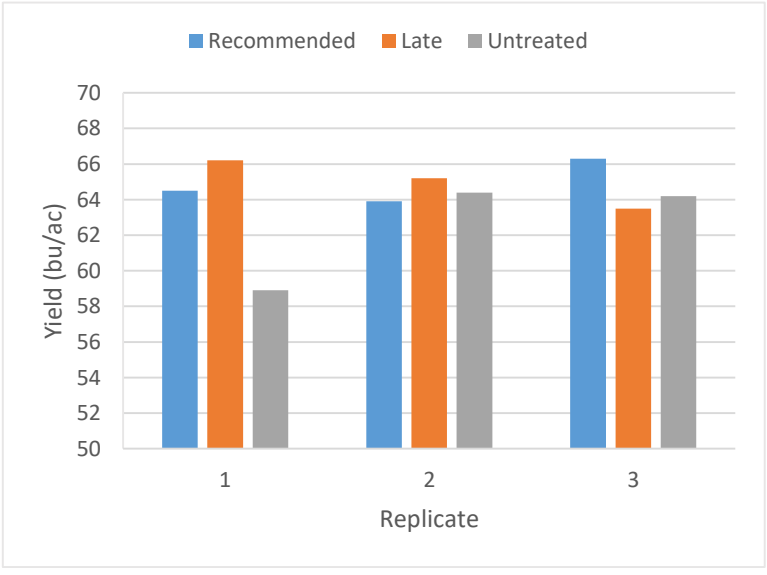
	Protein	Don	Test Weight	Falling Number
Rec'd Timing	15.4	<0.3	403	>360
3-5 Days Later	15.5	<0.3	404	>360
Untreated	15.7	0.3	403	>360

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

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

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