Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2019-WFHB03 — R.M. of MacDonald

Objective: The purpose of this project is to quantify the impact of fusarium head blight on the quality of harvested grain by comparing the farmer's normal fungicide application at recommended rate and timing to a fungicide application 3 to 5 days later

TRIAL INFORMATION	
Location	Starbuck
Previous Crop	Canola
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 07, 2019
Variety	AAC Brandon
Row Spacing	9"
Seeding Rate	110 lbs/ac
Fungicide Product	Prosaro 250 EC
Rec'd App Date	July 03, 2019
Rec'd App Timing	Early Flower
3-5 Days Later	July 08, 2019
Harvest Date	September 06, 2019

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	24	40	71	63	**199**
Normal	50	85	71	74	**281**

†Growing season precipitation (mm)

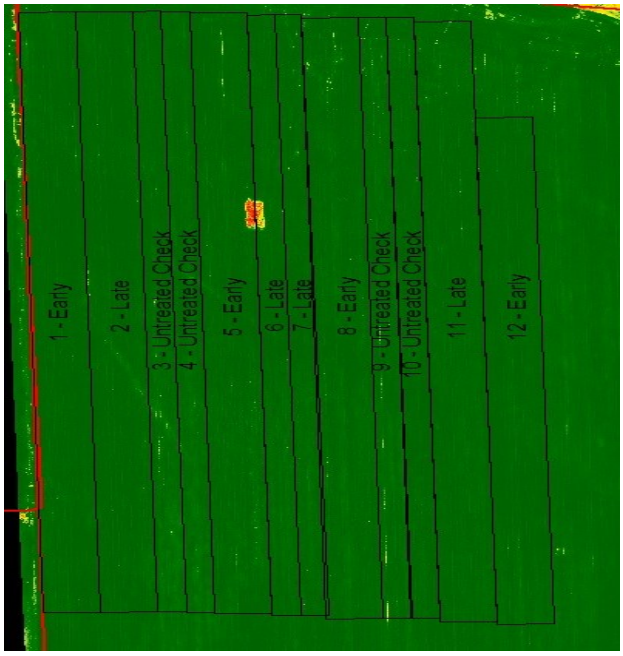
WHEAT QUALITY

	Protein	DON	TWT (lb/bu)	Falling Number
Rec'd Timing	14.5	0	63.0	287
Late Timing	14.7	0	62.8	294
Untreated	14.6	0	62.5	286

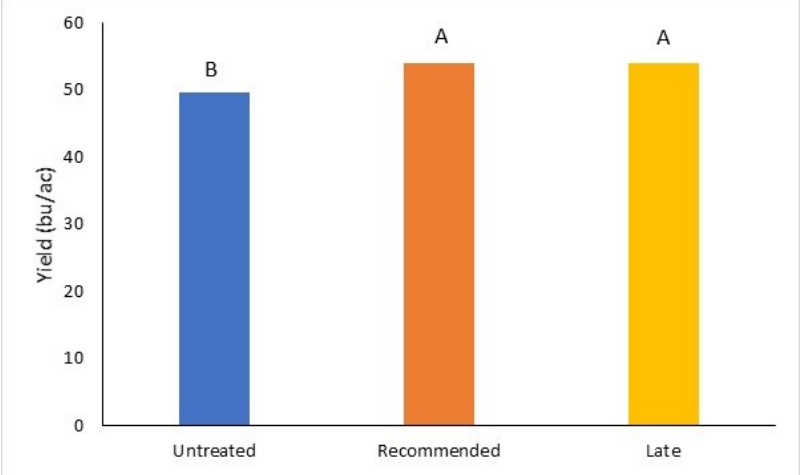
OVERALL YIELD

	Mean (bu/ac)
Rec'd Timing	53.9
Late Timing	54.0
Untreated	49.7
P-Value	0.0025
CV	7.3%
Significance	Yes

FIELD IMAGE



STRIP YIELD



Summary: Yield of the untreated check was significantly lower than the recommended and late timing for fusarium head blight fungicide applications. Wheat quality was a #2 grade for CWRS because of sprout damage. Rainfall was normal for July, but below normal for the remainder of the growing season.

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