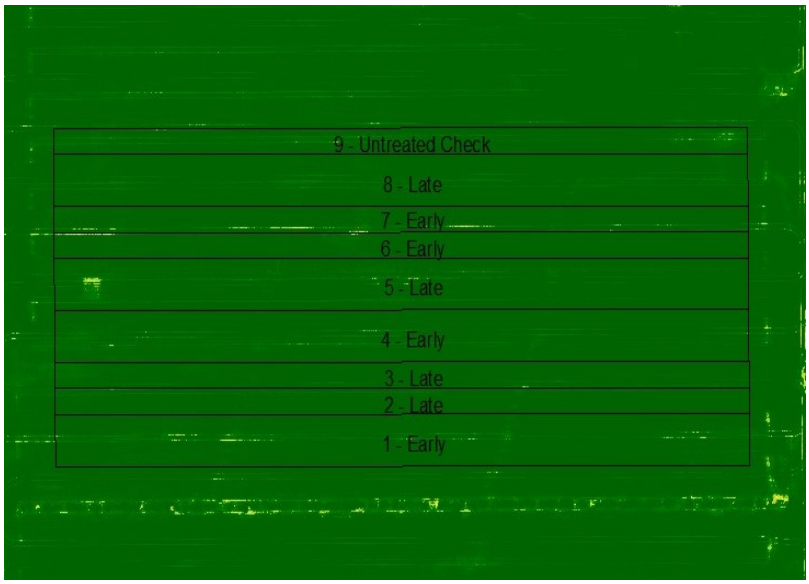
Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2019-WFHB07 — R.M. of Pembina

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	Manitou
Previous Crop	Canola
Soil Texture	Clay Loam
Tillage	Conventional
Planting Date	May 08, 2019
Variety	AAC Brandon
Row Spacing	8"
Seeding Rate	130 lbs/ac
Fungicide Product	Caramba
Rec'd App Date	July 11, 2019
Rec'd App Timing	Z60
3-5 Days Later	July 15, 2019
Harvest Date	September 09, 2019

FIELD IMAGE



PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	25	78	52	95	**250**
Normal	68	98	82	73	**321**

†Growing season precipitation (mm)

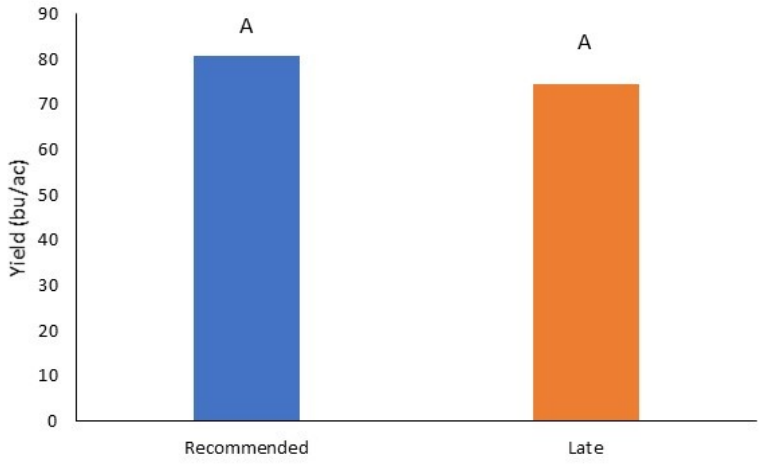
WHEAT QUALITY

	Protein	DON	TWT (lb/bu)	Falling Number
Rec'd Timing	13.0	0.3	60.5	225
Late Timing	12.9	0.3	60.3	239
Untreated	11.8	0.4	59.0	233

OVERALL YIELD

	Mean (bu/ac)
Rec'd Timing	80.7
Late Timing	74.7
P-Value	0.1478
CV	7.0%
Significance	No
Reference Check Strip	70.1 bu/ac

STRIP YIELD



Summary: There was no significant yield difference between the recommended timing and late timing for fusarium head blight fungicide timing applications. Wheat quality was #2 grade for CWRS with reduction in quality from FDK and DON. Rainfall was below normal for May, June and July and above normal in August.

MWBGA would like to thank Tone Ag Consulting Ltd. for the research support and SGS Canada Inc. for the wheat quality analysis for this trial.

Phone: 204-745-6661
Website: mbwheatandbarley.ca
Email: info@mbwheatandbarley.ca