Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2020-WFHB02 — R.M. of Roland

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	Roland
Previous Crop	Peas
Soil Texture	Course Loams
Tillage	Zero Tillage
Planting Date	May 12, 2020
Variety	SY Rowyn
Row Spacing	7.5"
Seeding Rate	140 lbs/ac
Fungicide Product	Prosaro XTR
Rec'd App Date	July 06, 2020
Rec'd App Timing	Early Flower
3-5 Days Later	July 10, 2020
Harvest Date	August 26, 2020

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	30	47	81	27	**184**
Normal	55	78	59	79	**271**

†Growing season precipitation (mm)

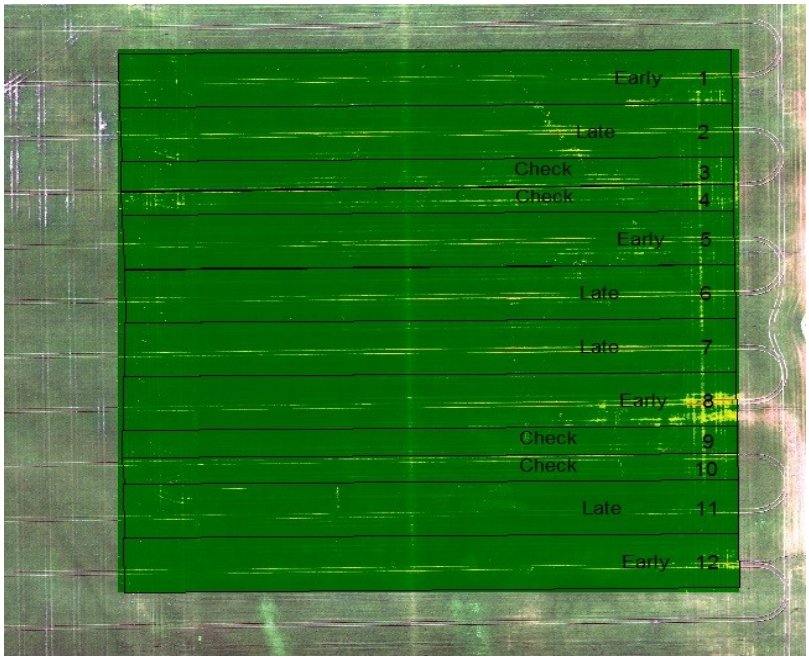
WHEAT QUALITY

	Protein	DON	TWT (kg/hL)	Falling Number
Rec'd Timing	13.7	0.0	81	353
Late Timing	13.6	0.0	81	352
Untreated	13.9	0.1	80	347

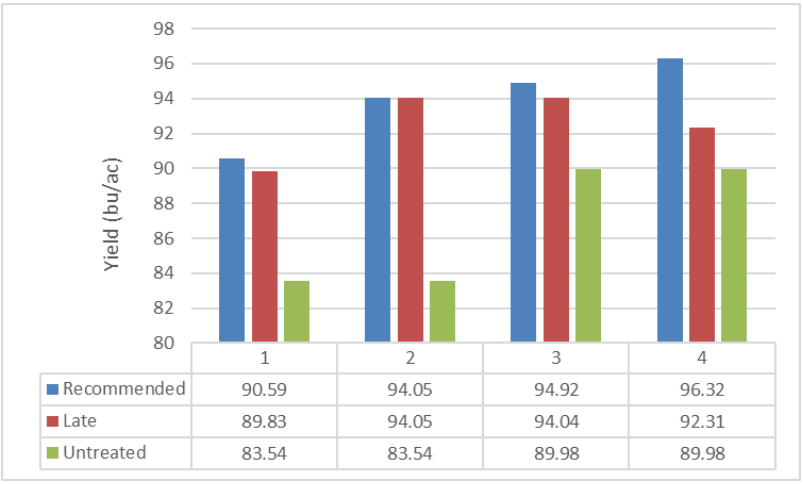
OVERALL YIELD

	Mean (bu/ac)
Rec'd Timing	94.0[A]
Late Timing	92.5[A]
Untreated	91.1[B]
P-Value	0.00365
CV	4.5%
Significance	Yes

FIELD IMAGE



STRIP YIELD



	1	2	3	4
Recommended	90.59	94.05	94.92	96.32
Late	89.83	94.05	94.04	92.31
Untreated	83.54	83.54	89.98	89.98

Summary: There was a significant yield difference between the recommended and late timing versus the untreated check for fusarium head blight fungicide applications. Wheat quality was #1 grade for CWRS. Rainfall was below normal for the entire growing season.

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

MANITOBA CROP ALLIANCE
Phone: 204-745-6661
Website: mbcropalliance.ca
Email: hello@mbcropalliance.ca