Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2020-WFHB05 — R.M. of Morris

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	Sperling
Previous Crop	Canola
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 11, 2020
Variety	AAC Brandon
Row Spacing	7.5"
Seeding Rate	140 lbs/ac
Fungicide Product	MIRAVIS Ace
Rec'd App Date	July 06, 2020
Rec'd App Timing	Early Flower
3-5 Days Later	July 10, 2020
Harvest Date	August 24, 2020

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	71	83	102	43	**298**
Normal	55	83	66	74	**279**

†Growing season precipitation (mm)

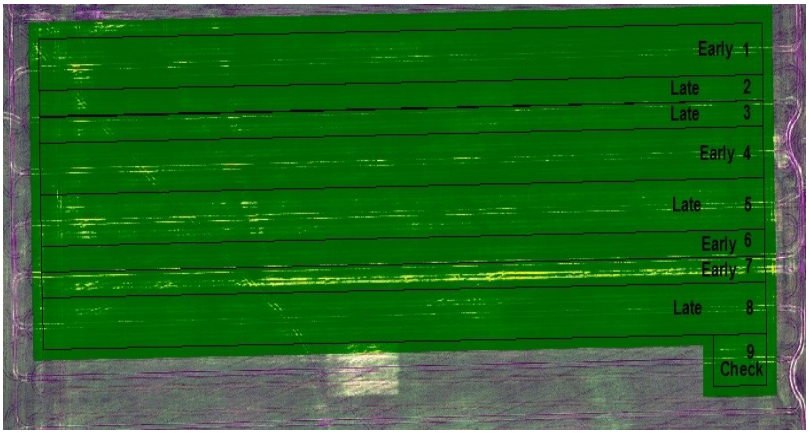
WHEAT QUALITY

	Protein	DON	TWT (kg/hL)	Falling Number
Rec'd Timing	13.5	0.0	82	356
Late Timing	13.7	0.0	81	350

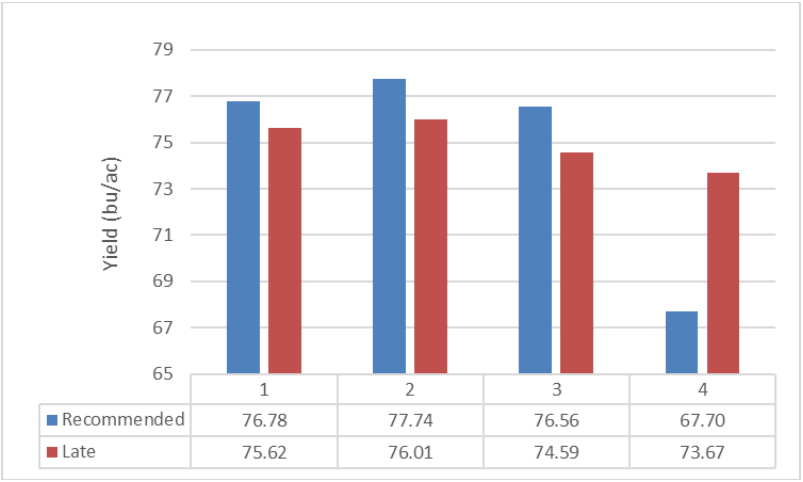
OVERALL YIELD

	Mean (bu/ac)
Rec'd Timing	74.7[A]
Late Timing	75.0[A]
Difference	0.3
P-Value	0.892
CV	4.21%
Significance	No

FIELD IMAGE



STRIP YIELD



Summary: **There was no significant yield difference between the recommended and late timing fusarium head blight fungicide applications. Wheat quality was generally #1 grade for CWRS, with two recommended samples downgraded to #2 for low HVK% (hard vitreous kernels). Rainfall was slightly above normal for the entire growing season.**

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