

Wheat Fusarium Head Blight Fungicide Timing

Trial ID: 2020-WFHB06 — R.M. of Brokenhead

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	Beausejour
Previous Crop	Canola
Soil Texture	Clay
Tillage	Conventional
Planting Date	May 10, 2020
Variety	AAC Brandon
Row Spacing	10"
Seeding Rate	120 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 25, 2020

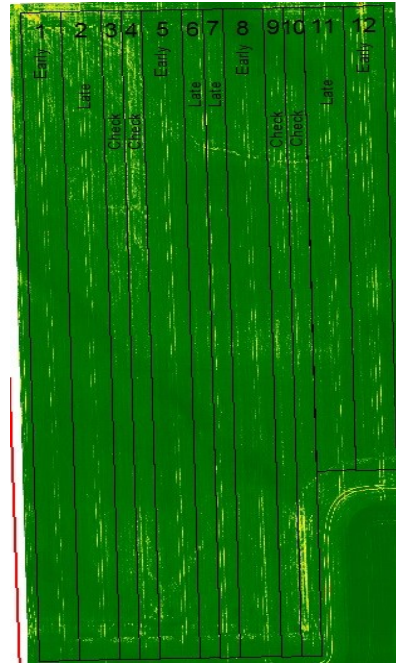
PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	11	75	44	117	247
Normal	57	85	68	81	290

†Growing season precipitation (mm)

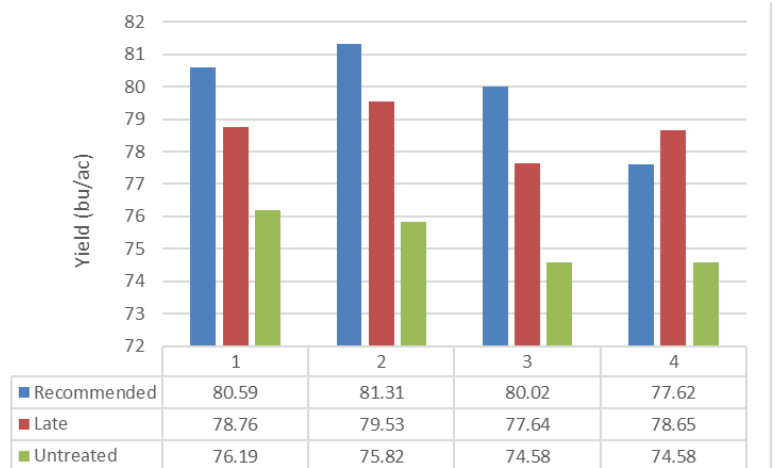
WHEAT QUALITY				
	Protein	DON	TWT (kg/hL)	Falling Number
Rec'd Timing	13.4	0.0	80	342
Late Timing	13.5	0.0	80	349
Untreated	13.5	0.0	79	354

OVERALL YIELD	
	Mean (bu/ac)
Rec'd Timing	79.9 ^A
Late Timing	78.6 ^A
Untreated	75.3 ^B
P-Value	0.000593
CV	2.91%
Significance	Yes

FIELD IMAGE



STRIP YIELD



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, except for three samples that were downgraded to #2 for low HVK % (hard vitreous kernels). Rainfall was below normal for the entire growing season.