Wheat Fungicide

Trial ID: 2023-WHB02 — R.M. of Tache

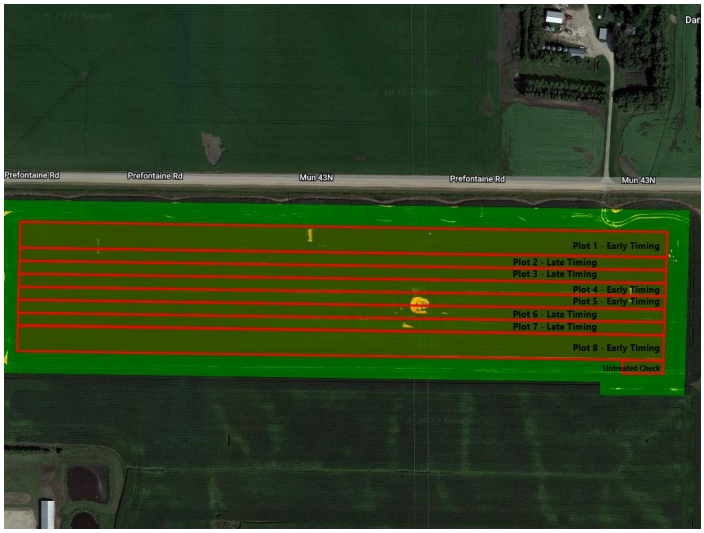
Objective: The purpose of the project is to quantify the impact of fusarium head blight on the quality of harvested grain by comparing a farmer's normal fungicide application at recommended timing to a fungicide application 3-5 days later.

Summary: There was no significant yield difference between the early or the late fungicide application. As a result, there was a decrease in profit equivalent to the increase in cost for the fungicide.

Trial Information

Treatment	Prosaro XTR
Early Application	GS61—June 30
Late Application	July 05
Application Rate	20 ac/jug
Soil Texture	Clay
Previous Crop	Corn
Seeding Date	May 10
Variety	Prosper
Seeding Rate	132 lbs/ac
Row Spacing	10"
Harvest Date	August 19

NDVI Imagery July 20



Wheat Response

	Protein (%)	TWT (kg/hL)	Falling Number	DON	Grade
Early	14.9	64	280	0.1	1
Late	14.8	64	275	0.2	3

Precipitation† (mm)

	May	June	July	Aug	Total
Rainfall	13	65	116	43	**237**
Normal	69	100	93	74	**336**
% Normal	19%	65%	125%	58%	**70%**

†Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost†	Change in Profit/ac
Early	90.7	$19.50/ac	-$19.50/ac
Late	88.4	$19.50/ac	-$19.50/ac
P-Value	0.4725	**Economics: Since yield was not significantly different, there is no increased income to offset the cost of the FHB fungicide.**	
CV	4.44%		
Significance	**No**		

†Estimated cost; represents product only, does not include application cost

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