Wheat Fungicide

Trial ID: 2023-WHB03 — R.M. of Grey

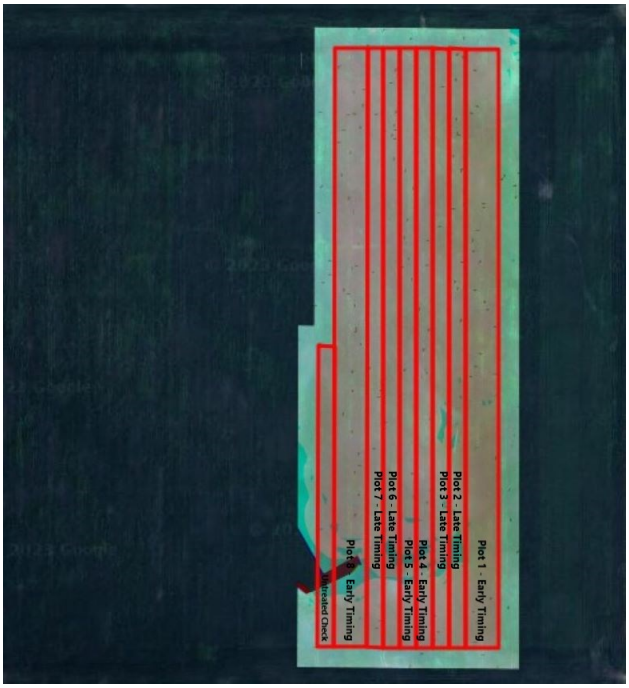
Objective: The purpose of the project is to quantify the impact of fusarium head blight on the quality of harvested grain by comparing a farmer's normal fungicide application at recommended timing to a fungicide application 3-5 days later.

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—July 03
Late Application	July 06
Application Rate	20 ac/jug
Soil Texture	Clay
Previous Crop	Canola
Seeding Date	May 16
Variety	AAC Hockley
Seeding Rate	120 lbs/ac
Row Spacing	7.5"
Harvest Date	August 28

RGB Imagery July 14



Wheat Response

	Protein (%)	TWT (kg/hL)	Falling Number	DON	Grade
Early	15.8	67	321	0.1	1
Late	15.8	67	344	0.1	1
Untreated	15.4	67	300	0.2	1

Precipitation† (mm)

	May	June	July	Aug	Total
Rainfall	11	36	18	30	**94**
Normal	70	96	79	75	**319**
% Normal	15%	37%	23%	40%	**29%**

†Growing season precipitation (mm)

Overall Yield & Economics

	Mean (bu/ac)	Cost†	Change in Profit/ac
Early	77.8	$19.50/ac	-$19.50/ac
Late	81.5	$19.50/ac	-$19.50/ac
Untreated	78.0	$0/ac	
P-Value	0.9979	**Economics: Since yield was not significantly different, there is no increased income to offset the cost of the FHB fungicide.**	
CV	7.09%		
Significance	No		

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

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