



Wheat Fungicide

Trial ID: 2022-WHB01 — R.M. of Emerson-Franklin

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 15
Late Application	July 18
Application Rate	325 mL/ac
Soil Texture	Clay
Previous Crop	Soybeans
Seeding Date	May 18
Variety	AAC Brandon
Seeding Rate	135 lbs/ac
Row Spacing	10"
Harvest Date	September 02

RGB Imagery August 03



Wheat Response

	Protein (%)	TWT (kg/hL)	Falling Number	DON	Grade
Early	12.7	79	365	0.0	1.0
Late	12.6	80	364	0.0	1.0
Untreated	12.6	80	340	0.0	2.0

Precipitation[†] (mm)

	May	June	July	Aug	Total
Rainfall	130	132	72	47	382
Normal	58	77	81	65	281
% Normal	225%	171%	90%	73%	136%

[†]Growing season precipitation (mm) - May 01—Aug 15

Overall Yield & Economics

	Mean (bu/ac)	Cost [†]	Change in Profit/ac
Early	52.0	\$17/ac	-\$17/ac
Late	52.0	\$17/ac	-\$17/ac
Untreated	51.1		
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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