



Wheat Fusarium Fungicide Trial

Objective: The purpose of the project (Table 1) is to quantify the impact of fusarium head blight on the quality of harvested grain (Table 2) by comparing a farmer's normal fungicide application at recommended timing to a fungicide application 3-5 days later.

Summary: None of the site-years had a significant yield increase with fusarium fungicide application and the two timings did not significantly differ from one another.

Table 1: Fusarium Fungicide Timing

Trial ID	Rural Municipality	Variety	Yield			CV	P-Value	Statistically Significant @ 95%
			Late	Rec'd	Untreated			
			bu/ac			%		
2021-WFHB01	De Salaberry	AAC Brandon	54.7	55.6	57.1	2.10	0.3606	No
2021-WFHB02	Ste. Anne	AAC Brandon	44.7	40.5	40.1	7.32	0.1412	No
2021-WFHB03	Grey	Bolles	26.1	26.0	25.5	3.14	0.4928	No
2021-WFHB04	Dauphin	AAC Brandon		73.4	73.5	1.78	0.8563	No

Indicates Statistical Difference at 95% confidence interval

Table 2: Quality Analysis

TrialID	Treatment	Protein	Don	Falling Number	TWT (lbs/bu)
2021-WFHB01	Recommended	15.4	< 0.3	354	79
	Late	15.3	< 0.3	356	79
	Untreated	15.6	< 0.3	347	79
2021-WFHB02	Recommended	18.3	< 0.3	361	73
	Late	17.2	< 0.3	360	74
	Untreated	17.0	< 0.3	347	74
2021-WFHB03	Recommended	18.0	< 0.3	352	80
	Late	17.1	< 0.3	355	80
	Untreated	17.5	< 0.3	366	80
2021-WFHB04	Treated	12.9	< 0.3	343	80
	Untreated	17.1	< 0.3	333	81



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