Wheat Fungicide Trials

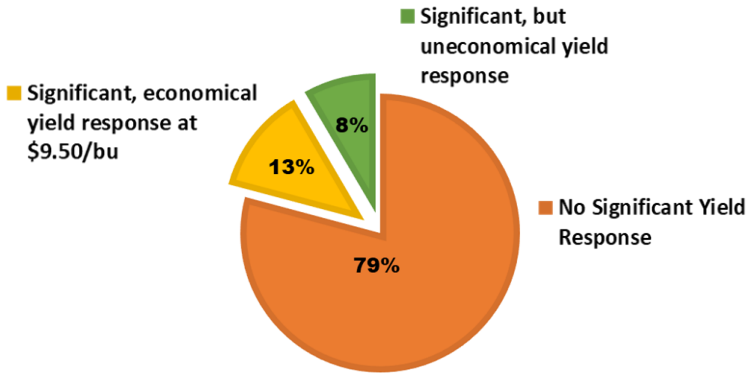
Objective: The purpose of the project is to quantify the impact of fusarium head blight on the quality of harvested grain by comparing a farmer's normal fungicide application at recommended timing to a fungicide application 3-5 days later.

Summary: None of the site-years showed a significant yield difference between the treatments.

Summary of 2023 wheat fungicide trial yield results by site-year

Trial ID	Rural Municipality	Fungicide Product	Treatment	Yield	Protein	TWT	Falling Number	DON	CV	P-Value	Statistically Significant @ 95%
				bu/ac	%	(kg/hL)			%		
WFHB02	Tache	Prosaro XTR	Early	90.7	14.9	64	280	<0.3	4.44	0.4725	No
			Late	88.4	14.8	64	275	<0.3			
WFHB03	Grey	Prosaro XTR	Early	77.8	15.8	67	321	<0.3	7.09	0.9979	No
			Late	81.5	15.8	67	344	<0.3			
			Untreated	78.0	15.4	67	300	<0.3			

Long Term Results (2018-2023): There have been 24 wheat fusarium head blight (FHB) trials conducted through MCA's Research on the Farm since 2018. Among those 24 trials there have been 5 statistically significant yield responses to the fungicide application (21% of the time). Most often, the fungicide application has not significantly changed wheat yields.



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