

Performance of hard red winter wheat cultivars with and without fungicide¹ on yield and agronomic traits at Forman ND, 2015.

Cultivar	<u>Survival</u>		<u>Bird Damage</u>		<u>Leaf Disease</u>		<u>Leaf Rust</u>		<u>FHB Severity</u>		<u>FHB Intensity</u>		<u>FHB Index</u>		<u>Test Weight</u>		<u>Protein</u>		<u>Yield</u>		<u>DON</u>	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
					----%----			----%----	----(0-100)----				----%----	---lb/bu----		----%----		----bu/ac----		----ppm----		
AC Gateway	3.3	3.7	1.7	1.3	15.7	5.3	30.0	27.6	13.3	4.0	46.7	26.7	6.3	1.3	52.5	57.3	14.1	14.3	38.7	50.3	5.1	1.3
Accipiter	4.0	4.0	2.7	1.3	8.3	8.5	86.5	12.7	29.0	14.7	70.0	36.7	21.5	6.0	55.3	55.0	12.9	13.2	34.7	55.8	3.5	1.1
Broadview	5.3	4.3	2.3	4.7	13.7	8.9	75.5	23.4	30.5	8.7	66.7	30.0	21.5	3.3	56.5	57.0	12.1	12.3	39.6	54.4	5.4	0.7
CDC Chase	4.7	5.3	4.3	8.0	20.7	2.9	22.7	30.1	6.8	6.5	43.3	30.0	2.7	1.7	56.5	59.5	13.8	14.9	52.1	49.0	1.8	0.8
CDC Falcon	4.0	5.3	2.7	6.7	2.7	5.9	87.7	13.0	18.7	3.0	46.7	30.0	8.7	1.0	57.1	57.8	12.9	13.4	38.9	45.1	2.6	0.7
Colter	5.3	5.3	4.7	4.7	14.5	4.4	70.3	29.0	27.9	8.1	63.3	36.7	17.9	3.0	53.4	51.5	14.0	14.0	32.6	38.4	9.0	2.3
Decade	5.3	6.0	2.0	4.7	4.6	3.8	98.7	6.5	19.4	4.2	73.3	33.3	15.0	1.4	52.6	53.5	12.5	14.3	37.1	48.7	8.6	1.2
Emerson	4.0	4.7	1.7	1.7	24.0	4.4	37.0	38.2	4.7	0.2	16.7	3.3	1.3	0.0	58.1	60.6	13.8	14.3	52.0	61.2	0.2	0.0
Flourish	3.0	3.3	3.0	4.3	18.5	3.9	45.4	6.1	25.8	14.4	60.0	43.3	16.1	6.4	53.4	58.7	13.6	13.2	37.0	33.6	7.5	0.9
Ideal	4.0	5.3	4.0	6.3	0.7	3.1	83.7	4.0	7.9	3.0	53.3	33.3	4.9	1.5	55.2	56.7	12.5	13.1	36.8	44.3	6.0	1.3
Jerry	4.3	4.3	2.7	5.0	3.3	10.9	77.9	15.7	11.5	5.7	56.7	26.7	6.6	2.7	54.6	57.6	13.2	14.0	33.5	29.8	3.8	1.6
Lyman	4.0	5.7	2.3	5.7	1.3	2.9	85.6	6.8	8.0	4.1	36.7	23.3	3.5	0.9	55.5	60.4	12.9	14.3	36.2	41.5	1.4	0.6
Moats	3.7	4.0	2.3	1.7	23.0	5.3	17.2	3.3	18.9	9.1	46.7	33.3	8.9	2.9	56.2	59.4	14.3	14.2	39.4	51.6	4.0	2.0
MT0978	3.7	4.7	3.0	3.0	9.0	6.3	59.9	21.7	14.6	4.9	63.3	46.7	9.5	2.3	49.8	55.5	13.9	14.4	44.3	59.5	4.8	0.7
Overland	5.0	6.3	4.7	6.3	8.7	3.2	72.0	3.7	5.1	3.0	46.7	20.0	2.4	0.8	55.0	59.2	13.3	14.0	40.8	38.2	1.8	0.0
Peregrine	5.3	3.3	2.3	1.7	24.7	4.2	25.1	4.7	12.0	3.5	53.3	33.3	6.0	1.3	59.1	57.1	13.2	13.5	49.6	54.8	1.6	1.2
Redfield	5.7	4.7	6.0	8.0	14.8	2.5	58.8	15.5	5.1	3.0	30.0	16.7	2.4	1.5	55.1	56.1	13.5	14.1	40.2	37.3	2.2	0.3
SY Wolf	4.7	4.3	1.7	1.0	13.5	3.9	22.0	4.3	16.3	13.7	66.7	33.3	11.1	7.7	56.1	60.3	13.1	13.1	46.1	54.1	3.9	1.9
WB Matlock	3.7	5.3	2.7	5.7	1.7	5.1	92.0	15.7	3.3	2.1	33.3	26.7	1.2	0.6	58.9	61.0	13.1	14.3	39.3	36.0	1.6	0.5
WB4614	4.3	5.0	1.7	4.0	5.7	4.6	75.7	9.0	33.9	11.6	66.7	33.3	22.3	3.8	54.5	56.7	13.4	13.5	36.4	57.5	10.5	1.2
Mean	4.4	4.7	2.9	4.3	11.4	5.0	61.2	14.6	15.6	6.4	52.0	29.8	9.5	2.5	55.3	57.5	13.3	13.8	40.3	47.1	4.3	1.0
CV	29.1		56.7		92.5		52.5		62.1		34.3		85.8		6.5		3.7		20.8		NA	
LSD 0.05	2.2		3.3		12.4		32.5		11.1		22.9		8.4		6		0.8		15.2		NA	

¹Fungicide consisted of ProsaroTM at 6.5 fl oz/acre + NIS 2 pt/100 gal at Feekes 10.51.

NA = Data from just the first replication of the trial, not replicated or statistically analyzed.