

Performance of hard red winter wheat cultivars with and without fungicide¹ on yield and agronomic traits at Forman ND, 2014.

Cultivar	<u>Leaf Disease</u>		<u>Scab 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
					----lb/bu----		----%----		----bu/ac----		---ppm---	
AC Gateway	25.7	12.7	3.8	1.6	50.7	53.2	15.1	14.3	36.5	40.6	11.0	10.2
Accipiter	65.3	7.3	19.5	7.9	49.8	53.4	12.6	12.0	39.0	52.1	12.9	8.7
Art	58.0	29.3	9.8	13.6	51.5	55.3	14.9	14.2	33.3	48.2	5.6	4.5
Broadview	33.0	12.3	32.8	4.8	48.9	52.2	12.8	13.0	37.5	51.3	13.8	10.2
CDC Falcon	75.3	10.0	25.0	6.9	48.9	53.5	13.2	12.9	37.3	53.9	15.3	8.5
Decade	32.7	36.3	31.5	10.5	48.2	48.9	15.4	15.3	34.4	40.1	19.1	15.8
Emerson	26.3	7.3	0.3	0.1	55.1	55.8	13.1	12.9	53.1	58.7	2.8	1.9
Flourish	21.0	5.3	54.4	26.1	46.3	50.3	13.8	13.1	31.0	41.3	32.5	17.5
Freeman	22.0	5.3	26.9	15.7	51.3	52.7	13.5	12.6	42.9	56.8	9.9	6.4
Ideal	39.0	7.0	21.1	8.5	54.4	54.4	13.3	12.4	45.0	53.1	12.2	9.8
Jerry	53.0	14.3	8.1	0.5	54.2	54.0	13.1	13.4	44.2	56.3	8.3	5.8
Lyman	50.0	15.0	3.2	2.8	56.2	56.8	13.6	13.9	50.6	52.2	4.3	3.3
McGill	66.6	36.6	34.0	21.7	48.5	52.2	13.6	13.7	36.0	45.3	11.4	7.9
Moats	26.0	4.0	19.9	4.7	49.7	50.8	13.7	13.6	37.2	50.0	15.2	15.5
Overland	62.0	7.6	4.6	1.5	54.5	55.9	13.2	13.4	45.2	60.5	7.6	5.0
Peregrine	24.6	7.0	1.9	3.3	51.6	52.3	12.5	12.5	39.1	49.8	8.6	7.3
Robidoux	53.6	9.6	26.3	20.9	48.1	52.0	14.1	14.2	30.0	43.6	15.3	12.7
SY Wolf	27.6	21.0	28.5	20.3	50.8	51.4	14.9	14.3	35.3	41.4	11.3	11.8
WB Grainfield	38.0	29.6	61.4	46.2	44.8	50.5	14.6	14.2	27.7	42.1	19.6	14.8
WB Matlock	42.3	6.0	13.9	0.6	54.5	55.6	13.6	13.4	46.3	59.3	6.0	5.2
Mean	42.1	14.2	21.4	10.9	50.9	53.1	13.7	13.5	39.1	49.8	12.1	9.1
CV	48.1		57.2		1.5		3.7		8.7		23.0	
LSD 0.10	18.2		12.4		9.1		0.7		5.2		3.2	

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