

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

Cultivar	<u>Leaf Disease</u>		<u>Rust</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	No Fung	Fung
	---%---		---%---				---lb/bu---		---%---		---bu/A---		---ppm---	
AC Gateway	47.6	16.3	5.0	0.0	0.9	2.0	52.9	52.4	14.1	13.7	38.4	57.0	5.9	4.4
Accipiter	58.3	31.3	0.0	0.0	7.1	1.7	51.5	55.1	12.6	12.2	38.2	59.8	5.7	2.2
Art	64.6	34.3	0.0	0.0	7.9	2.0	48.8	52.6	15.5	15.2	28.5	47.3	2.7	2.6
Broadview	34.0	19.0	0.0	0.0	9.8	0.4	49.1	52.3	13.4	12.9	39.7	51.3	13.8	5.3
CDC Falcon	50.0	11.0	0.0	0.0	10.9	2.8	50.8	55.2	13.3	12.8	39.6	67.1	4.5	3.0
Decade	50.0	34.3	6.7	0.0	10.0	1.8	45.3	52.1	15.1	14.1	43.2	58.1	9.8	7.0
Emerson	21.6	23.3	1.7	0.0	0.3	0.3	54.2	54.8	13.5	13.6	48.7	59.4	1.2	0.4
Flourish	57.3	18.3	0.0	0.0	21.5	5.3	50.3	53.6	13.2	12.9	38.7	58.3	11.1	6.5
Freeman	27.6	52.6	0.0	0.0	9.2	5.1	48.4	52.5	13.7	13.5	42.3	51.3	5.0	3.3
Ideal	24.0	23.0	0.0	0.0	6.1	6.4	52.7	54.6	13.7	13.3	50.9	66.0	7.5	6.4
Jerry	39.3	13.3	1.7	0.0	0.2	0.0	53.2	55.5	13.5	12.8	44.6	62.2	4.3	1.5
Lyman	31.3	11.6	0.0	0.0	3.3	0.1	55.0	56.5	14.3	13.6	47.4	56.9	3.2	1.2
McGill	62.0	48.6	0.0	0.0	10.3	1.5	48.2	54.2	14.1	13.3	31.6	53.0	2.9	1.2
Moats	43.0	13.6	0.0	0.0	3.4	0.0	52.6	54.4	13.5	13.4	41.3	65.0	5.8	3.5
Overland	48.0	24.0	0.0	0.0	2.7	0.6	51.8	55.4	13.9	13.8	37.3	64.1	4.5	2.3
Peregrine	16.6	10.0	0.0	0.0	2.4	0.1	51.9	53.9	13.3	13.0	49.5	67.1	6.0	3.0
Robidoux	55.6	16.0	1.7	0.0	11.0	7.1	48.9	54.5	14.4	13.7	31.7	59.7	8.2	5.7
SY Wolf	25.0	27.6	0.0	0.0	13.4	7.4	49.9	50.9	14.1	13.8	39.9	50.9	7.9	4.5
WB Grainfield	63.6	57.3	0.0	0.0	23.6	13.9	48.5	51.7	15.2	14.4	30.5	45.1	6.1	4.9
WB Matlock	54.6	15.3	3.3	0.0	5.7	0.4	54.4	55.8	13.7	13.0	37.9	58.7	2.5	1.4
Mean	43.7	25.0	1.0	0.0	8.0	2.9	50.9	53.9	13.9	13.5	40.0	57.9	5.9	3.5
CV	38.6		430		109		3.2		4.2		13.1		43.0	
LSD 0.10	17.9		2.6		7.6		2.2		0.8		8.7		2.7	

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