

Performance of hard red winter wheat cultivars with and without fungicide<sup>1</sup> on yield and agronomic traits at Prosper, ND, 2014.

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

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

Performance of hard red winter wheat cultivars with and without fungicide<sup>1</sup> on yield and agronomic traits at Forman ND, 2014.

Cultivar	<u>Leaf Disease (%)</u>		<u>Scab Index</u>		<u>Test Weight (lb/bu)</u>		<u>Protein (%)</u>		<u>Yield (bu/a)</u>	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
AC Broadview	33.0	12.3	32.8	4.8	48.9	52.2	12.8	13.0	37.5	51.3
AC Emerson	26.3	7.3	0.3	0.1	55.1	55.8	13.1	12.9	53.1	58.7
AC Gateway	25.7	12.7	3.8	1.6	50.7	53.2	15.1	14.3	36.5	40.6
Accipiter	65.3	7.3	19.5	7.9	49.8	53.4	12.6	12.0	39.0	52.1
Art	58.0	29.3	9.8	13.6	51.5	55.3	14.9	14.2	33.3	48.2
CDC Falcon	75.3	10.0	25.0	6.9	48.9	53.5	13.2	12.9	37.3	53.9
Decade	32.7	36.3	31.5	10.5	48.2	48.9	15.4	15.3	34.4	40.1
Flourish	21.0	5.3	54.4	26.1	46.3	50.3	13.8	13.1	31.0	41.3
Freeman	22.0	5.3	26.9	15.7	51.3	52.7	13.5	12.6	42.9	56.8
Ideal	39.0	7.0	21.1	8.5	54.4	54.4	13.3	12.4	45.0	53.1
Jerry	53.0	14.3	8.1	0.5	54.2	54.0	13.1	13.4	44.2	56.3
Lyman	50.0	15.0	3.2	2.8	56.2	56.8	13.6	13.9	50.6	52.2
McGill	66.6	36.6	34.0	21.7	48.5	52.2	13.6	13.7	36.0	45.3
Moats	26.0	4.0	19.9	4.7	49.7	50.8	13.7	13.6	37.2	50.0
Overland	62.0	7.6	4.6	1.5	54.5	55.9	13.2	13.4	45.2	60.5
Peregrine	24.6	7.0	1.9	3.3	51.6	52.3	12.5	12.5	39.1	49.8
Robidoux	53.6	9.6	26.3	20.9	48.1	52.0	14.1	14.2	30.0	43.6
SY Wolf	27.6	21.0	28.5	20.3	50.8	51.4	14.9	14.3	35.3	41.4
WB Grainfield	38.0	29.6	61.4	46.2	44.8	50.5	14.6	14.2	27.7	42.1
WB Matlock	42.3	6.0	13.9	0.6	54.5	55.6	13.6	13.4	46.3	59.3
Mean	42.1	14.2	21.4	10.9	50.9	53.1	13.7	13.5	39.1	49.8
CV	48.1		57.2		1.5		3.7		8.7	
LSD 0.10	18.2		12.4		9.1		0.7		5.2	

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