

Performance of hard red winter wheat cultivars with and without fungicide<sup>†</sup> on yield and agronomic traits at Prosper, ND, 2013.

Cultivar	Height	Lodging	Protein			Test Weight			Yield			DON		
	Combined	Combined	No Fung	Fung	Avg.	No Fung	Fung	Avg.	No Fung	Fung	Avg.	No Fung	Fung	Avg.
	---cm---	1 – 9 Scale	-----%-----			-----lb/bu-----			-----bu/ac-----			-----ppm-----		
AC Broadview	68.8	4.3	15.7	14.9	15.3	52.3	55.3	53.8	43.3	51.9	47.6	2.9	1.9	2.4
Accipiter	76.5	1.4	14.2	14.1	14.1	54.9	57.9	56.4	51.4	66.5	53.7	1.7	1.3	1.5
Art	68.0	3.2	15.8	16.2	16.0	54.5	56.9	55.7	41.7	45.8	43.7	1.6	1.0	1.3
Boomer	78.0	1.8	15.1	14.8	15.0	54.1	57.0	55.6	45.7	58.0	51.9	1.9	1.2	1.6
Decade	77.3	1.4	15.1	16.3	15.7	52.5	56.4	54.4	43.4	56.6	50.0	2.4	2.2	2.3
Falcon	69.6	2.0	14.3	14.5	14.4	54.8	56.4	55.6	50.6	57.7	54.2	1.5	1.7	1.6
Flourish	71.2	1.5	14.2	14.7	14.5	53.2	55.9	54.5	49.6	48.5	49.1	3.5	2.3	2.9
Freeman	69.9	2.1	14.6	15.6	15.1	52.8	55.6	54.2	52.5	50.2	51.4	1.5	1.4	1.5
Ideal	76.5	1.1	15.1	14.7	14.9	55.8	58.0	56.9	56.3	64.9	60.6	1.9	2.2	2.1
Jerry	86.8	1.3	15.1	14.4	14.7	55.9	58.5	57.2	50.8	69.0	59.9	1.4	1.0	1.2
Lyman	72.6	4.0	15.5	15.3	15.4	56.9	57.4	57.2	54.9	47.7	51.3	2.0	0.9	1.5
McGill	78.5	2.2	14.2	14.3	14.2	52.4	56.3	54.4	38.0	55.2	46.6	1.8	1.6	1.7
Moats	79.5	1.5	15.4	14.9	15.1	55.0	58.0	56.5	45.8	57.0	51.4	2.2	1.8	2.0
Overland	78.9	1.4	14.4	14.7	14.5	55.7	57.9	56.8	50.4	62.3	56.4	2.1	1.5	1.8
Peregrine	84.7	1.2	14.5	14.1	14.3	58.4	58.6	58.5	56.1	52.6	54.4	1.3	0.9	1.1
Robidoux	71.8	2.3	14.6	15.0	14.8	54.7	56.6	55.6	36.3	55.4	45.9	1.7	2.0	1.9
SY Wolf	67.5	2.3	15.1	15.6	15.3	55.8	57.3	56.5	27.7	39.2	50.7	2.0	2.4	2.2
Sunrise	81.2	2.5	14.9	15.0	14.9	49.7	52.3	51.0	45.9	55.5	33.4	0.5	0.5	0.5
WB Grainfield	64.7	4.2	14.9	14.9	14.9	54.2	55.3	54.7	41.7	51.2	46.5	4.4	4.2	4.3
WB Matlock	77.3	2.3	15.4	14.7	15.1	57.3	58.8	58.0	47.4	61.6	54.5	1.0	1.2	1.1
Mean	74.3	2.3	14.9	14.9	14.9	54.7	56.9	55.8	47.1	55.5	51.3	2.0	1.7	1.9
CV	7.6	50.9	5.6			2.3			19.8			33.4		
LSD 0.10	5.4	1.1	1.1	0.8		NS <sup>‡</sup>		1.3	NS <sup>‡</sup>		9.7 <sup>§</sup>	NS <sup>‡</sup>		0.6 <sup>§</sup>

<sup>†</sup> Fungicides consisted of Stratego at 10 fl oz/acre on 6/6/2013 and Prosaro at 6.5 fl oz/acre + NIS 2 pt/100 gal at Feekes 10.51.

<sup>‡</sup> For use in comparing any values within the two columns. NS signifies that the variety by fungicide interaction was not significant. When NS, no LSD was calculated.

<sup>§</sup> LSD for comparison of varieties averaged over fungicide treatments.