

Performance of hard red winter wheat cultivars with and without fungicide<sup>1</sup> on yield and agronomic traits at Forman, ND, 2012.

Cultivar	Heading	Height	Leaf Disease		Protein		Test Weight		1000 kwt		Yield	
	Combined	Combined	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
	--Date--	---cm---	-----%-----		-----%-----		-----lb/bu-----		-----g-----		-----bu/ac-----	
AC Broadview	5/31	89.5	2.2	1.9	13.9	13.7	54.5	55.1	29.9	30.7	78.0	79.0
Accipiter	6/1	86.3	2.1	2.3	13.4	13.5	56.1	56.1	30.0	30.7	70.4	64.3
Art	5/24	83.8	13.7	7.5	14.4	14.3	54.1	55.0	29.4	30.4	75.2	83.7
Boomer	6/1	96.7	2.1	3.4	14.5	14.3	54.8	54.9	32.9	33.1	71.3	72.2
Carter	5/31	80.5	2.7	2.0	14.5	14.1	53.9	53.8	27.2	27.7	75.4	74.7
Decade	5/31	92.5	4.2	2.9	14.3	14.1	53.6	54.2	29.7	30.4	74.5	76.9
Hawken	5/25	81.0	11.9	3.0	14.4	14.4	55.1	55.8	31.1	32.8	75.5	80.9
Ideal	5/31	89.7	2.9	2.0	13.8	13.5	54.0	55.9	32.5	32.3	65.8	88.2
Jerry	6/1	103.5	6.1	1.9	14.7	14.7	54.3	53.5	34.2	34.2	56.9	71.9
Lyman	5/28	92.2	2.5	3.9	14.9	14.6	56.0	55.3	36.4	35.7	67.8	82.6
McGill	5/26	99.7	4.9	3.5	13.8	13.9	54.5	54.5	31.2	31.6	77.1	87.2
Overland	5/29	91.8	1.3	2.5	13.8	14.1	54.9	55.2	34.2	35.1	80.3	85.7
Peregrine	6/1	104.7	4.7	2.1	13.9	13.8	55.6	55.6	31.5	31.2	67.9	57.8
Robidoux	5/25	87.7	10.3	1.9	13.2	13.4	54.3	54.7	31.3	32.5	81.5	84.1
SY Wolf	5/25	80.0	2.1	2.3	13.8	13.6	54.1	54.8	33.7	34.3	80.2	88.7
WB-Matlock	5/31	94.8	1.4	1.1	14.5	14.2	55.4	55.3	31.4	32.6	78.7	74.1
Wesley	5/26	80.7	11.4	6.7	14.2	14.6	53.7	53.1	34.4	34.3	75.1	76.4
Mean	5/28	90.4	4.9	3.1	14.1	14.1	54.7	54.8	32.3	32.6	73.4	78.0
CV	15.9	4.9	97.1		2.8		1.8		3.3		10.8	
LSD 0.05	1.2 <sup>2</sup>	5.1	4.5 <sup>3</sup>		0.5 <sup>3</sup>		1.1 <sup>3</sup>		1.2 <sup>3</sup>		9.4 <sup>3</sup>	
LSD 0.1	1.0 <sup>2</sup>	4.3	3.7 <sup>3</sup>		0.4 <sup>3</sup>		0.9 <sup>3</sup>		1.0 <sup>3</sup>		7.8 <sup>3</sup>	

<sup>1</sup> Fungicides consisted of Prosaro at 6.5 fl oz/acre + NIS 2 pt/100 gal at Feekes 10.51.

<sup>2</sup> Measured in days.

<sup>3</sup> Significant by variety averaged over fungicide for comparisons, though not significant (NS) for variety by fungicide.