

Agronomic performance of hard red spring wheat cultivars when grown with and without fungicide¹ at Grand Forks County, ND, 2020.

Cultivar	Plant Height		FHB Intensity		FHB Severity		FHB Index		Test Weight		Protein		Yield		
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	Avg.
	----(cm)----		----(%)----		----(%)----		----(%)----		----(lb/bu)----		-----(%)-----		----- (bu/acre) -----		
AP Murdock	68.5	66.5	33.3	13.3	10.9	4.0	7.1	0.5	57.9	58.6	15.1	15.1	62.8	68.7	65.7
Barlow	71.2	73.0	36.7	20.0	5.9	6.4	3.5	2.4	58.9	58.9	15.6	15.7	46.9	49.1	48.0
Bolles	71.3	73.2	20.0	6.7	3.1	1.6	0.6	0.2	57.8	57.7	17.6	17.6	48.5	52.7	50.6
Boost	78.8	75.8	3.3	6.7	0.2	0.7	0.0	0.1	58.7	58.7	16.1	16.2	60.2	54.5	57.4
CP3530	78.8	80.0	26.7	13.3	3.0	2.4	0.8	0.3	58.4	58.0	16.1	16.2	56.5	58.6	57.6
CP3903	71.7	72.2	30.0	20.0	5.7	5.1	1.7	1.4	59.6	57.4	16.0	16.1	53.7	61.3	57.5
CP3910	66.8	68.0	20.0	13.3	1.9	2.6	0.5	0.5	58.3	57.8	15.8	15.6	52.8	54.0	53.4
CP3915	71.0	72.8	33.3	3.3	7.0	0.2	2.2	0.0	58.8	60.2	15.7	16.0	61.9	60.7	61.3
Dagmar	72.3	72.3	30.0	23.3	7.3	4.7	3.3	1.3	57.8	57.9	16.0	16.0	58.2	56.8	57.5
Driver	74.8	73.5	13.3	6.7	1.8	0.5	0.2	0.1	59.7	56.6	15.3	15.4	61.1	60.5	60.8
Dyna-Gro Ambush	69.2	70.0	36.7	13.3	4.0	0.9	1.5	0.2	58.6	57.8	16.0	16.2	53.8	57.6	55.7
Dyna-Gro Ballistic	72.7	75.8	13.3	10.0	1.8	0.9	0.3	0.1	58.2	57.8	15.2	15.1	66.3	66.3	66.3
Dyna-Gro Commander	69.3	70.2	20.0	6.7	3.4	0.5	1.2	0.0	58.1	58.3	15.0	14.9	56.3	65.4	60.9
Dyna-Gro Velocity	68.2	65.3	43.3	3.3	15.5	1.7	9.4	0.2	58.6	59.3	16.7	17.0	45.5	59.3	52.4
Elgin-ND	77.3	75.7	33.3	13.3	9.8	1.2	4.7	0.2	58.3	57.9	15.1	15.1	57.7	52.2	55.0
Faller	73.7	72.7	26.7	3.3	2.6	0.2	0.7	0.0	57.9	59.1	14.6	14.8	64.3	63.1	63.7
Glenn	74.7	74.7	13.3	13.3	1.4	4.5	0.4	0.9	59.2	59.8	16.0	16.0	45.2	50.8	48.0
Lang-MN	73.0	68.0	23.3	6.7	3.0	0.7	1.0	0.1	58.3	59.3	16.5	16.0	58.1	57.3	57.7
Lanning	66.3	67.6	23.3	6.7	7.3	0.5	2.7	0.1	56.6	57.5	16.6	16.4	49.5	56.9	53.2
LCS Buster	72.3	70.0	13.3	3.3	1.2	0.2	0.2	0.0	57.3	57.9	13.1	12.9	56.2	66.1	61.2
LCS Cannon	64.7	67.0	20.0	23.3	9.5	8.4	2.1	4.8	58.9	59.3	15.1	15.0	49.7	56.3	53.0
LCS Rebel	76.0	76.3	23.3	13.3	5.0	0.9	1.1	0.2	59.1	58.2	16.1	16.1	58.1	68.5	63.3
LCS Trigger	77.3	75.8	13.3	3.3	1.2	0.2	0.3	0.0	58.9	57.5	13.2	13.2	75.3	76.7	76.0
Linkert	64.0	63.0	26.7	16.7	5.7	1.4	1.7	0.3	58.5	58.6	15.8	15.8	48.2	49.1	48.6
MN-Torgy	69.0	62.7	13.3	6.7	1.4	1.3	0.2	0.3	59.3	59.1	15.9	15.7	60.2	61.2	60.7
MN-Washburn	66.2	67.0	26.7	3.3	5.2	1.7	1.9	0.2	58.6	56.0	16.4	16.2	54.4	54.0	54.2
MS Barracuda	66.0	67.3	30.0	26.7	6.4	2.1	1.9	1.1	57.4	56.8	16.3	16.4	51.6	56.9	54.2
MS Chevelle	69.7	67.2	10.0	6.7	0.9	0.5	0.3	0.1	57.0	57.9	14.8	14.6	53.3	61.9	57.6
MS Ranchero	74.7	71.0	23.3	0.0	4.5	0.0	1.9	0.0	56.1	57.3	15.0	15.0	56.4	64.3	60.4
ND Frohberg	72.5	72.7	20.0	10.0	5.7	0.9	1.9	0.1	58.5	59.1	15.8	15.6	53.2	53.0	53.1
ND VitPro	71.8	71.0	23.3	16.7	5.6	1.4	1.6	0.4	60.1	60.1	16.2	16.0	54.0	54.0	54.0
Shelly	66.7	65.0	30.0	6.7	3.0	0.7	0.9	0.1	58.7	58.4	14.8	14.7	59.4	62.2	60.8
SY 611CL2	67.3	63.8	20.0	13.3	3.6	4.5	0.7	0.5	58.9	58.1	15.4	15.8	58.8	51.0	54.9
SY Ingmar	69.0	69.2	20.0	0.0	1.4	0.0	0.3	0.0	59.5	59.5	15.9	15.9	58.9	61.3	60.1
SY Longmire	68.2	70.3	16.7	6.7	3.7	3.6	0.8	0.4	58.5	58.4	15.9	15.9	55.0	56.1	55.6
SY McCloud	72.3	72.7	43.3	26.7	9.5	5.3	5.8	2.0	58.3	58.7	15.9	15.8	46.0	50.0	48.0
SY Rockford	68.5	70.3	26.7	16.7	4.4	1.4	1.6	0.3	53.6	55.2	16.1	16.0	45.4	53.9	49.7
SY Soren	61.7	63.8	26.7	6.7	8.7	0.7	4.0	0.1	57.9	58.5	15.8	15.7	47.8	51.4	49.6
SY Valda	70.2	65.2	6.7	3.3	0.7	0.2	0.1	0.0	58.2	58.1	15.4	15.3	54.2	55.1	54.7
TCG-Heartland	64.3	62.5	26.7	23.3	3.0	6.2	0.8	2.3	58.3	59.3	15.9	15.9	47.4	52.7	50.0
TCG-Spitfire	68.3	67.5	23.3	3.3	2.6	0.2	0.7	0.0	57.8	57.5	15.0	14.9	62.2	64.7	63.5
TCG-Wildcat	71.8	71.8	30.0	16.7	3.4	1.6	1.0	0.4	59.5	59.1	16.0	15.9	57.9	63.0	60.4
Mean	70.5	72.3	23.7	10.9	4.6	2.0	1.8	0.5	58.3	58.3	15.6	15.6	55.3	58.3	56.8
CV	4.9		70		132.5		222		2.1		1.5		11.6		11.6
LSD 0.05	5.6		19.7		6.6		3.8		2.0		0.4		10.5		7.4
LSD 0.10	4.6		16.5		5.5		3.2		1.7		0.3		8.8		6.2

¹Prosario applied at Feekes 10.5.1 at the rate of 8.2 fl. oz. per acre.