

Performance of hard red spring wheat cultivars with and without fungicide<sup>1</sup> on yield and agronomic traits at Steele County, ND, 2017.

Cultivar	Lodging		Height		Leaf Rust		Test Weight		Protein		Yield		Ave
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	
AFK-Astro	1.7	1.0	72.3	72.5	9.8	0.0	56.6	57.4	13.6	13.7	64.5	66.0	65.3
Ambush	1.0	1.3	70.8	72.3	0.0	0.0	60.1	60.7	15.6	15.3	70.1	58.7	64.4
Barlow	1.7	1.0	76.2	74.5	7.8	0.0	59.0	59.0	15.4	15.4	67.3	65.1	66.2
Bolles	1.0	1.0	75.2	76.5	0.1	0.0	57.4	58.3	17.0	16.8	67.9	64.7	66.3
Boost	1.0	1.0	78.5	78.8	0.0	0.0	59.0	59.8	15.5	15.4	66.2	70.6	68.4
Caliber	1.0	1.0	62.5	60.5	0.0	0.0	59.9	59.7	15.7	15.6	66.5	64.9	65.7
Elgin ND	1.0	1.0	80.5	81.0	0.2	0.0	57.8	58.3	15.1	14.9	70.0	66.2	68.1
Faller	1.0	1.0	84.5	77.3	6.6	0.0	57.4	57.6	14.8	14.9	62.5	65.8	64.1
Glenn	1.0	1.0	76.0	77.3	4.2	0.0	61.9	61.8	15.6	15.8	66.2	65.4	65.8
HRS 3100	1.3	1.0	70.3	69.0	0.3	0.0	58.4	57.1	14.9	15.3	67.0	63.6	65.3
HRS 3419	1.3	1.3	76.8	75.3	0.0	0.0	55.7	57.4	15.0	14.7	58.9	60.2	59.6
HRS 3504	1.0	1.0	69.3	66.8	0.0	0.0	57.7	58.0	14.7	14.7	58.5	60.6	59.5
HRS 3530	1.0	1.0	80.2	78.7	0.4	0.0	57.2	57.8	15.6	15.5	63.2	69.2	66.2
HRS 3616	1.0	1.0	72.7	73.0	0.0	0.0	58.6	57.5	15.7	15.8	66.1	60.4	63.3
Lang	1.0	1.0	78.3	75.8	0.0	0.0	59.9	59.7	16.2	16.0	67.3	67.3	67.3
LCS Anchor	1.0	1.0	62.0	65.3	0.0	0.0	60.4	59.9	15.6	15.7	61.0	64.4	62.7
LCS Breakaway	1.0	1.0	67.2	69.7	0.0	0.2	61.1	60.4	16.2	16.2	65.8	61.1	63.4
LCS Nitro	1.0	1.0	72.3	71.0	0.2	0.0	57.0	57.9	14.2	13.9	68.6	62.6	65.6
LCS Prime	1.0	1.0	75.8	76.5	0.6	0.0	59.6	59.4	13.7	13.8	65.6	65.8	65.7
LCS Rebel	1.0	1.0	73.7	78.2	9.9	0.0	40.0	60.6	15.1	15.5	66.6	65.4	66.0
LCS Trigger	1.0	1.0	77.3	79.2	0.0	0.3	60.2	59.0	13.3	13.5	63.5	64.7	64.1
Linkert	1.0	1.0	65.2	65.7	0.0	0.0	59.5	60.0	16.0	15.9	63.5	59.4	61.4
Mott	1.0	1.0	85.0	79.3	1.2	0.0	58.4	59.1	15.3	15.4	73.6	61.8	67.7
MS Camaro	1.0	1.0	66.7	66.2	0.0	0.0	60.0	59.1	15.8	15.8	64.2	60.5	62.3
MS Chevelle	1.7	1.3	69.7	69.7	0.3	0.0	58.8	58.8	14.3	14.7	71.1	60.9	66.0
ND VitPro	1.0	1.0	74.8	71.8	3.7	0.0	59.9	60.1	16.0	15.9	67.4	65.9	66.7
Prevail	1.0	1.0	72.5	72.0	0.2	0.0	58.6	58.5	14.5	14.4	67.5	66.8	67.1
Prosper	1.0	1.0	78.3	78.5	6.3	0.0	57.7	58.3	14.7	15.0	68.9	64.2	66.6
Rollag	1.0	1.3	69.0	68.2	0.0	0.0	58.9	60.3	16.4	16.1	64.1	57.8	61.0
Shelly	1.0	1.0	71.3	66.7	0.3	0.0	59.2	59.1	14.9	14.6	69.5	64.0	66.7
Surpass	1.0	1.0	68.5	68.0	0.2	0.0	58.5	58.0	14.6	14.5	64.1	50.4	57.3
SY Ingmar	1.0	1.0	71.0	71.2	0.0	0.0	60.5	60.7	15.7	15.5	57.0	51.5	54.2
SY Rowyn	1.0	1.0	68.7	68.7	1.7	0.0	58.7	59.0	15.0	15.0	60.2	61.9	61.0
SY Soren	1.0	1.0	66.7	68.8	0.1	0.0	59.8	59.6	15.6	15.6	69.8	69.0	69.4
SY Valda	1.0	1.0	69.2	68.3	0.1	0.0	57.5	59.2	15.2	14.9	55.7	54.9	55.3
TCG-Climax	1.0	1.0	79.7	75.0	0.0	0.0	61.6	61.0	16.9	16.5	60.9	60.4	60.7
TCG-Cornerstone	1.0	1.0	66.5	66.3	0.5	4.7	58.8	59.0	15.4	15.2	58.5	64.7	61.6
TCG-Spitfire	1.0	1.0	74.8	73.3	1.9	0.0	57.8	59.3	14.6	14.8	59.6	63.0	61.3
WB Mayville	1.0	1.0	65.0	62.7	0.0	0.0	59.8	60.2	15.6	15.7	68.4	63.4	65.9
WB9479	1.0	1.0	61.7	62.0	0.5	0.0	59.7	59.8	15.9	15.8	62.8	64.4	63.6
WB9590	1.0	1.0	62.0	60.8	0.0	0.0	58.5	59.2	15.5	15.6	63.2	55.3	59.3
WB9653	1.0	1.0	68.0	68.0	0.0	0.0	57.5	58.5	14.9	14.7	68.5	64.9	66.7
WB9719	1.0	1.0	71.8	68.0	5.4	0.0	60.6	61.7	15.2	15.2	70.1	60.8	65.5
Mean	1.1	1.0	72.1	71.4	1.5	0.1	58.5	59.2	15.3	15.2	65.2	62.8	64.0
CV	17.9		3.2		283.7		6.6		1.7		6.7		6.7
LSD 0.05	0.3		3.8		6.6		6.3		0.4		6.9		4.9

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