

Performance of hard red spring wheat cultivars with and without fungicide<sup>1</sup> on yield and agronomic traits at Steele County, ND, 2015.

Cultivar	Lodging		Leaf Disease		Leaf Rust		FHB Severity		FHB Intensity		FHB Index		Test Weight		Protein		Yield		DON	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
Advance	3.3	2.0	34.7	17.7	2.0	4.8	6.7	0.5	26.7	6.7	1.8	0.1	55.2	57.1	15.7	15.9	54.5	70.5	2.0	2.3
Barlow	2.7	2.7	34.3	22.7	1.3	4.2	10.0	2.9	36.7	10.0	3.8	0.5	51.9	52.3	16.7	17.1	64.4	67.0	1.3	1.7
Bolles	2.0	2.0	31.3	14.7	1.8	1.7	2.4	3.7	6.7	13.3	0.5	0.5	53.6	54.3	17.9	18.4	59.7	71.2	3.0	0.9
Croplan 13-04	3.3	4.0	45.7	25.0	4.2	5.8	12.2	2.4	23.3	10.0	3.0	0.5	52.5	57.3	15.9	16.3	56.9	63.3	1.4	0.7
Croplan 3361	1.7	1.3	31.3	30.7	6.2	5.0	0.7	0.0	6.7	8.5	0.1	0.1	55.5	57.2	16.0	15.6	60.9	67.7	0.8	0.0
Croplan 3419	4.7	1.3	29.7	18.3	1.8	1.7	2.4	2.0	6.7	13.3	0.5	0.4	57.1	59.4	15.8	15.5	65.1	78.6	0.8	0.0
Croplan 3530	2.7	4.3	50.7	16.3	3.5	6.0	2.8	0.9	20.0	10.0	0.6	0.2	52.8	56.8	16.2	17.0	66.1	72.9	2.1	0.7
Elgin-ND	2.0	3.3	33.7	18.7	2.2	3.3	3.0	0.9	23.3	13.3	0.8	0.1	55.1	53.3	16.1	16.1	60.6	68.4	1.7	1.1
Focus	3.0	2.0	51.7	19.0	3.0	14.3	5.6	6.1	20.0	20.0	1.7	1.2	56.0	55.3	16.1	16.4	75.3	86.4	0.0	0.0
Forefront	2.0	2.7	51.0	17.3	2.8	11.3	5.9	0.7	20.0	6.7	1.9	0.1	58.8	58.3	15.6	15.9	67.1	80.0	0.0	0.0
LCS Albany	2.3	2.3	61.7	41.7	1.0	10.8	3.7	0.7	13.3	2.4	0.7	0.0	52.2	52.9	15.0	15.1	48.4	65.7	1.3	0.5
LCS Breakaway	1.0	1.3	56.0	20.3	2.8	8.2	9.2	3.1	30.0	23.3	2.8	0.7	52.1	55.6	16.1	16.3	64.4	74.4	2.4	0.6
LCS Iguacu	3.3	1.3	31.0	19.7	2.2	2.5	4.9	1.2	16.7	13.3	1.3	0.3	58.9	59.0	13.8	13.8	64.8	75.2	0.7	0.6
LCS Nitro	3.0	3.3	46.7	29.7	1.5	7.8	0.4	3.1	23.1	6.7	0.3	0.6	52.8	54.3	15.3	14.7	60.9	74.7	1.5	0.0
LCS Powerplay	5.7	3.7	48.0	17.3	3.2	9.0	2.6	0.1	16.7	2.6	0.4	0.1	53.2	56.8	16.1	16.5	66.2	73.9	1.5	0.0
Linkert	1.3	1.0	24.0	9.0	2.1	1.0	4.2	2.1	23.3	20.0	1.1	0.4	50.9	54.5	17.4	17.3	58.2	80.3	3.3	0.5
Norden	1.7	1.0	46.7	21.3	0.2	2.5	2.4	0.2	13.3	3.3	0.5	0.0	45.9	54.1	16.7	16.7	59.0	74.4	1.9	1.1
Prevail	1.3	1.7	45.0	25.0	2.5	1.5	7.7	2.0	23.3	13.3	1.8	0.4	58.6	56.7	15.5	15.6	75.8	84.3	0.6	0.0
Prosper	3.7	3.3	49.3	12.0	5.2	10.0	2.3	0.5	20.0	6.7	0.5	0.1	45.6	55.1	16.0	15.8	64.7	83.3	0.8	1.8
Rollag	3.7	3.0	29.7	19.3	1.2	3.7	5.3	8.2	20.0	10.0	1.3	1.4	56.4	59.3	17.9	17.1	66.8	83.9	0.0	0.0
SY Ingmar	1.3	1.0	32.7	14.7	1.3	5.7	1.4	0.7	13.3	10.0	0.3	0.1	56.5	58.1	16.9	16.9	71.0	75.2	0.0	0.6
SY Rowyn	1.7	3.0	25.0	9.7	2.7	3.0	0.5	0.4	6.7	7.3	0.1	0.0	57.4	55.4	15.7	15.8	75.1	79.5	0.0	0.0
SY Soren	1.7	1.3	50.7	34.7	3.5	7.0	2.8	1.9	30.0	16.7	0.8	0.4	56.5	56.8	16.9	16.5	57.8	78.8	0.8	0.5
SY Valda	2.0	2.7	44.7	30.0	2.7	8.5	1.6	0.5	20.0	6.7	0.5	0.0	55.2	57.4	16.1	16.3	78.4	88.3	0.7	0.0
WB9507	3.7	3.7	75.7	30.7	29.7	12.3	3.5	4.3	10.0	13.3	0.7	1.2	55.5	56.8	15.7	16.5	58.8	78.8	0.5	0.0
Mean	2.6	2.4	42.8	21.6	3.7	6.1	4.1	2.0	18.5	10.9	1.1	0.4	54.2	56.1	16.1	16.2	64.4	76.1	1.1	0.5
CV	45.8		44.6		71.7		116.5		70.6		134.5		4.9		10.1		9.3		NA	
LSD 0.05	1.9		23.2		5.7		5.8		17.0		1.6		4.4		0.7		10.7		NA	

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

NA = Data from just the first replication of the trial, not replicated or statistically analyzed.