

Performance of hard red spring wheat cultivars with and without fungicide¹ on yield and agronomic traits at Forman ND, 2015.

Cultivar	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
	----%----		----%----		----(0-100)----		----%----		----%----		---lb/bu---		----%----		----bu/ac----		----ppm----	
Barlow	30.7	11.3	9.7	2.2	27.1	11.2	46.7	23.3	16.1	2.9	59.8	60.8	17.3	17.1	53.6	59.8	0.6	0
Bolles	35.3	9.3	7.2	2.5	9.6	3.1	23.3	10.0	4.4	0.3	58.2	58.6	19.8	20.0	52.7	56.0	0.9	0
Croplan 3419	32.7	15.3	14.7	0.7	10.5	6.2	23.3	13.3	3.3	1.2	61.7	62.0	15.8	16.4	66.9	70.2	0.8	0
Elgin-ND	34.7	14.3	3.0	5.2	13.7	16.0	26.7	30.0	3.5	5.1	57.2	60.1	17.4	17.5	55.7	61.7	1.4	0
Focus	37.7	13.0	24.8	1.3	17.2	4.3	30.0	10.0	5.5	0.6	58.9	61.9	16.9	17.6	53.8	59.3	0.9	0.7
Forefront	38.7	9.3	1.3	4.3	5.9	2.1	16.7	10.0	1.9	0.3	63.8	62.0	17.2	17.4	51.3	57.5	0.6	0.5
LCS Albany	47.3	14.0	8.8	2.5	7.1	10.0	13.3	16.7	2.0	3.1	61.5	61.9	16.0	16.9	56.8	60.4	0	0
LCS Breakaway	29.3	12.3	7.5	1.7	21.6	7.4	36.7	13.3	9.2	2.1	57.5	62.1	17.1	17.4	50.2	59.3	0.6	0.5
LCS Iguacu	16.3	7.0	7.5	5.2	5.9	2.6	10.0	10.0	0.9	0.3	62.0	60.2	14.9	15.3	56.8	59.3	1.2	0
LCS Nitro	40.0	20.0	5.2	1.5	12.0	2.0	26.7	10.0	3.8	0.3	60.9	59.6	15.6	16.4	57.3	61.2	0.5	0
LCS Powerplay	57.0	12.3	4.7	0.8	8.5	3.1	16.7	6.7	2.8	0.3	58.9	60.2	17.0	17.2	53.5	59.8	1.2	0.6
Linkert	24.0	6.0	11.0	0.7	17.7	5.6	36.7	20.0	9.7	1.3	59.2	60.1	18.7	18.9	54.4	57.1	0.7	0
Prevail	38.7	18.7	3.3	1.0	16.4	0.7	23.3	3.3	6.1	0.1	61.4	57.0	16.1	16.5	57.9	58.3	1.1	0.5
Prosper	36.7	23.3	9.5	5.5	9.5	0.2	30.0	3.3	3.4	0.0	59.6	61.7	15.4	16.1	53.1	67.6	0.6	0.5
Rollag	31.3	10.3	7.7	2.0	14.3	12.8	30.0	23.3	4.9	4.9	58.5	59.9	18.8	18.8	53.7	63.8	0	0
SY Ingmar	46.3	15.3	8.5	0.8	6.0	1.2	13.3	10.0	0.9	0.1	59.4	57.7	18.0	18.5	56.9	58.5	0.6	0
SY Rowyn	48.7	19.3	6.0	2.3	0.7	0.7	3.3	6.7	0.1	0.1	62.0	61.0	16.3	16.9	53.8	60.4	0	0
SY Soren	46.0	12.3	8.3	1.2	13.9	8.3	33.3	20.0	4.7	2.9	55.9	61.4	17.2	18.2	54.2	58.4	1	0
SY Valda	44.0	12.7	6.8	3.0	8.4	10.1	20.0	23.3	2.0	2.9	58.2	55.8	17.0	17.5	56.0	55.7	0.7	0
WB9507	52.3	34.0	8.7	6.2	15.4	13.8	26.7	23.3	5.5	4.1	56.3	58.1	15.7	17.1	45.7	57.5	0.7	0
Mean	38.4	14.5	8.2	2.5	12.1	6.1	24.3	14.3	4.5	1.6	59.5	60.1	16.9	17.4	54.7	60.1	0.7	0.2
CV	32.0		110.4		83.3		56.4		138.3		4.6		2.5		7.4		NA	
LSD 0.05	13.8		9.6		11.0		17.8		6.9		4.8		0.7		6.9		NA	

¹Fungicide consisted of Prostaro™ 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.