

Performance of hard red spring wheat cultivars with and without fungicide¹ on yield and agronomic traits at Hope, ND, 2014.

Cultivar	<u>Leaf Disease</u>		<u>Height</u>		<u>Scab Index</u>		<u>Test Weight²</u>		<u>Protein</u>		<u>Yield</u>		<u>DON</u>	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
	---%---		---cm---				---lb/bu---		---%---		---bu/A---		---ppm---	
Advance	5.0	6.3	75	78	2.1	0.1	54.2	54.4	15.0	14.8	62.0	65.0	1.6	0.0
Barlow	9.7	12.7	81	82	3.4	1.6	52.9	53.5	15.6	15.2	51.0	55.4	1.3	0.3
Brennan	21.0	5.7	70	70	6.2	0.7	52.1	53.2	15.8	16.0	52.5	58.7	3.2	0.3
Elgin-ND	13.0	8.7	86	86	2.7	1.6	53.5	52.0	15.3	15.4	56.8	62.4	1.0	0.2
Forefront	15.0	4.3	86	85	2.0	0.0	53.6	53.4	16.5	16.6	60.7	62.0	0.6	0.0
Glenn	20.7	12.7	86	84	4.4	0.1	52.2	52.4	16.3	16.4	59.7	65.0	1.2	0.0
Jenna	8.3	5.7	77	75	0.4	0.0	54.2	54.0	15.7	16.2	66.0	71.3	0.6	0.0
LSC Albany	12.7	1.3	79	76	0.0	0.0	53.7	53.7	14.3	14.6	72.9	72.9	0.2	0.0
LSC Breakaway	10.7	6.3	69	70	3.8	1.6	54.7	55.3	16.2	16.0	51.2	59.3	2.5	0.2
LSC Iguac	11.7	5.7	76	76	0.1	0.0	54.3	53.5	14.2	13.4	65.9	69.2	0.0	0.0
LSC Power	8.0	9.3	74	76	3.7	0.1	53.8	53.7	15.4	15.6	63.2	74.0	0.9	0.0
Linkert	5.0	3.3	71	71	1.6	0.1	54.0	54.2	16.8	16.6	54.9	61.1	1.2	0.2
Norden	9.0	6.7	75	77	1.6	0.1	53.8	54.5	15.9	15.7	64.2	70.1	1.7	0.0
Prevail	13.3	9.0	80	80	0.5	0.1	53.0	52.6	15.5	15.4	60.9	65.0	0.5	0.0
Prosper	1.0	2.3	83	87	0.1	0.1	54.6	53.5	14.8	15.1	66.6	78.1	0.3	0.3
SY Ingmar	2.0	4.3	76	73	0.3	0.0	54.2	54.4	16.6	16.5	67.0	66.5	0.5	0.0
SY Rowyn	18.7	23.0	76	72	0.1	0.0	52.7	52.6	15.1	15.4	63.3	63.9	0.2	0.0
SY Soren	17.7	8.7	69	71	1.2	0.6	52.8	53.5	16.2	16.4	55.5	67.3	1.4	0.5
Vantage	5.3	5.0	79	78	0.0	0.0	54.4	55.1	17.2	15.9	64.8	60.9	0.2	0.0
WB9507	2.7	4.0	81	81	2.2	0.6	52.7	53.4	16.1	16.1	62.8	71.4	0.9	0.2
Mean	10.5	7.3	78	77	1.8	0.4	53.6	53.6	15.7	15.7	61.1	66.0	1.0	0.1
CV	72.8		4		115		1.9		3.4		10.6		84.7	
LSD 0.10	6.2		2.8		1.2		1.0		0.5		6.5		0.4	

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

² Test weights were measured at time of harvest at harvest moisture (~25%). Upon drying test weights would increase substantially.