

**Effect of winter wheat variety and fungicide<sup>1</sup> on yield and other agronomic traits, Prosper, ND, 2010.**

Variety	Yield		Heading Date		1000 kernal wt		Test Weight		Protein		Height	
	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung
	(bu/a)		(date)		(gm)		(lb/bu)		(%)		(cm)	
Accipiter	49.6	49.8	1-Jun	1-Jun	38.2	36.9	59.9	59.4	12.8	12.8	76.3	83.7
Art	71.1	60.6	29-May	29-May	37.0	35.1	59.2	58.1	14.4	14.1	79.0	75.0
Boomer	70.1	59.9	1-Jun	2-Jun	39.8	38.2	60.0	58.5	13.2	12.8	82.3	58.7
CDC Falcon	64.9	55.1	31-May	1-Jun	38.1	36.8	59.3	58.7	13.6	13.2	78.7	78.0
Carter	56.6	51.4	1-Jun	1-Jun	37.5	36.7	59.7	59.2	13.7	13.6	78.3	79.3
Darrell	70.1	63.1	30-May	1-Jun	41.9	41.4	60.5	60.1	13.2	13.3	77.3	80.3
Decade	73.1	65.8	31-May	31-May	38.4	37.7	60.0	59.8	14.0	13.7	80.7	77.0
Hawken	61.9	47.2	29-May	29-May	38.0	36.7	59.9	58.7	13.8	14.2	77.7	75.0
Jagalene	67.4	45.5	30-May	30-May	38.8	37.7	59.9	58.3	13.3	13.1	79.0	77.7
Jerry	73.6	63.4	1-Jun	1-Jun	42.1	41.7	60.0	59.4	13.5	13.1	90.7	91.0
Lyman	58.3	50.9	31-May	31-May	42.9	40.9	60.8	60.4	14.6	14.0	81.7	80.3
Mace	55.0	49.2	31-May	31-May	37.5	35.9	59.3	58.6	13.2	12.8	80.7	78.0
Millenium	74.5	69.4	31-May	31-May	40.7	39.5	60.2	60.1	13.4	13.1	83.0	85.0
Overland	76.1	65.4	31-May	31-May	39.6	39.6	59.5	59.5	13.4	13.1	82.7	84.3
Peregrine	68.6	57.3	1-Jun	2-Jun	38.5	37.6	60.0	59.8	12.6	12.1	97.7	97.7
Striker	62.6	58.4	1-Jun	1-Jun	38.1	37.6	59.7	59.1	13.6	13.5	80.3	80.7
WB-Matlock	66.3	56.2	1-Jun	1-Jun	39.5	38.5	60.4	59.6	13.3	12.9	80.7	84.3
Wesley	61.0	56.5	30-May	30-May	38.3	39.5	57.9	57.7	14.4	13.9	78.3	75.3
Yellowstone	60.8	47.6	1-Jun	1-Jun	39.8	37.3	58.3	56.5	13.4	13.4	86.3	88.0
Average	65.3	56.5	31-May	31-May	39.2	38.2	59.7	59.0	13.5	13.3	81.6	80.5
c.v.	8.7		0.1		2.3		0.9		2.3		12	
LDS 0.05	8.8		1.2		1.5		0.9		0.5		15.8	

<sup>1</sup>Fungicides consisted of Stratego at 4 fl oz/acre at the 4 lf stage and Prosaro at 6.5 fl oz/acre at Feekes 10.51.

**Effect of winter wheat variety and fungicide<sup>1</sup> on disease development, Prosper, ND, 2010.**

Variety	Leaf Disease		Leaf rust		FHB Field Severity <sup>2</sup>		DON <sup>3</sup>	
	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung
	(%)		(%)		(%)		(ppm)	
Accipiter	6.3	4.5	0.0	0.2	2.7	1.2	0.0	0.0
Art	3.8	6.9	0.0	0.0	0.0	0.1	0.0	0.0
Boomer	3.7	6.9	0.0	0.3	0.0	0.0	0.0	0.0
CDC Falcon	3.5	5.8	0.0	0.0	1.0	2.4	0.0	0.0
Carter	3.3	5.2	0.0	0.3	0.0	0.0	0.0	0.0
Darrell	2.9	2.8	0.0	1.9	0.0	0.0	0.0	0.0
Decade	1.7	2.8	0.0	21.1	0.1	0.3	0.0	0.0
Hawken	1.4	3.3	0.0	0.2	0.0	0.4	0.0	0.0
Jagalene	2.9	5.9	0.1	8.6	0.1	3.8	0.0	0.0
Jerry	4.5	8.9	0.0	0.0	0.0	0.6	0.0	0.0
Lyman	5.7	10.1	0.0	0.0	0.0	0.0	0.0	0.0
Mace	3.3	5.1	0.0	0.1	0.0	0.3	0.0	0.0
Millenium	4.0	6.9	0.0	0.0	0.2	0.1	0.0	0.0
Overland	4.1	8.1	0.0	0.2	0.0	0.0	0.0	0.0
Peregrine	1.9	4.2	0.0	0.0	0.0	0.9	0.0	0.0
Striker	4.0	6.9	0.0	0.0	0.3	6.3	0.0	0.0
WB-Matlock	4.7	11.3	0.0	0.0	0.8	3.6	0.0	0.0
Wesley	3.6	7.3	0.0	0.3	0.3	0.0	0.0	0.0
Yellowstone	6.0	7.8	0.0	1.9	2.5	16.3	0.5	0.6
Average	3.8	6.4	0.0	1.9	0.4	1.9	0.0	0.0
c.v.	39.5		220.7		248.6		1 rep only	
LDS 0.05	3.2		2.8		4.2			

1 Fungicides consisted of Stratego at 4 fl oz/acre at the 4 lf stage and Prosaro at 6.5 fl oz/acre at Feekes 10.51.

2 FHB Field Severity = Fusarium Head Blight severity (percent heads infected by the percent of spikelets infected).

3 DON = deoxynivalenol or Vomitoxin which is produced by the Fusarium fungus that causes FHB.