

Performance of spring wheat varieties, with and without fungicide<sup>1</sup> on yield and agronomic traits, Forman, 2010.

Varieties	Heading Date		Plant Height		1000 K Weight		Protein		Test Weight		Yield	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No fung	Fung	No Fung	Fung
	Date		(cm)		(gm)		(%)		(lb/bu)		(bu/a)	
Alsen	6/22	6/22	89.0	86.7	34.0	31.5	15.8	15.1	60.2	60.4	39.1	38.2
Barlow	6/20	6/21	94.0	94.3	33.1	34.4	15.5	14.6	61.4	62.2	49.9	54.2
Breaker	6/23	6/23	88.0	84.7	33.9	34.6	14.2	13.6	62.1	62.6	44.6	46.3
Brennan	6/21	6/22	79.7	80.0	33.5	33.0	15.6	14.9	59.5	60.1	40.2	44.7
Brick	6/18	6/18	90.3	87.3	33.8	34.1	15.2	14.3	60.2	61.4	33.2	41.2
Briggs	6/20	6/20	86.0	91.3	34.8	33.5	16.4	15.2	59.7	60.2	43.2	46.0
Brogan	6/23	6/23	85.7	84.0	33.7	32.9	14.8	14.2	60.9	61.4	43.4	46.9
Faller	6/23	6/23	93.0	89.3	36.7	35.7	13.9	13.6	59.9	60.9	51.8	50.5
Glenn	6/20	6/21	94.3	95.7	34.0	33.5	15.4	15.2	61.7	61.8	35.6	38.6
Howard	6/22	6/22	95.7	93.3	34.3	34.1	14.8	14.4	61.0	61.2	47.5	51.9
Jenna	6/24	6/24	81.0	83.0	36.7	36.8	15.1	14.1	60.0	60.2	56.3	56.3
Kelby	6/20	6/21	76.0	77.3	31.9	30.5	16.0	15.5	57.8	60.1	34.9	40.0
Kuntz	6/22	6/23	81.3	79.7	33.9	33.8	15.1	15.0	58.8	59.1	39.5	39.2
RB07	6/20	6/21	84.7	83.0	34.7	32.7	14.8	14.4	59.6	60.6	45.7	44.8
Sabin	6/22	6/22	85.0	86.0	32.9	33.7	15.4	14.2	59.5	60.5	42.6	46.3
Tom	6/21	6/22	86.0	87.0	36.3	36.2	14.8	13.5	60.8	61.3	38.9	44.2
Traverse	6/21	6/22	94.3	96.0	32.1	33.3	14.6	13.8	56.4	56.9	45.7	46.7
Vantage	6/25	6/24	84.7	85.0	33.4	32.5	15.9	15.9	62.9	63.0	47.6	48.8
WB-Digger	6/22	6/21	86.3	83.7	33.6	36.7	14.1	14.5	58.1	59.7	39.2	47.0
Mean	6/21	6/22	87.1	86.7	34.1	33.9	15.1	14.5	60.0	60.7	43.1	45.9
c.v.	0.0		3.8		5.1		4.9		1.3		9.9	
LSD 0.05	1.0		5.5		3.1		1.2		1.3		7.1	

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

Disease development of spring wheat varieties, with and without fungicides<sup>1</sup>, Forman, 2010.

Varieties	Leaf Diseases		Leaf Rust		FHB Severity <sup>2</sup>		DON <sup>3</sup>	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
	(%)		(%)		(%)		(ppm)	
Alsen	3.4	2.7	2.3	0.3	0.3	0.0	0.0	0.0
Barlow	3.4	4.6	0.1	0.4	1.1	0.1	0.0	0.0
Breaker	3.0	0.8	1.2	0.2	0.3	0.1	0.5	0.0
Brennan	12.2	4.1	0.0	0.4	0.0	0.3	0.0	0.0
Brick	6.2	6.1	0.7	0.4	1.2	1.4	0.0	0.0
Briggs	5.6	5.3	0.2	0.3	1.0	0.0	0.0	0.0
Brogan	6.5	5.1	0.7	0.4	0.0	0.0	0.5	0.5
Faller	3.4	1.6	0.3	0.1	0.0	0.1	0.0	0.0
Glenn	3.9	2.9	0.1	0.1	0.4	0.0	0.5	0.0
Howard	3.5	2.2	0.0	0.0	0.6	0.5	0.9	0.6
Jenna	2.2	1.5	2.2	0.1	0.0	0.0	0.9	1.3
Kelby	9.9	7.4	1.6	0.9	0.1	0.0	0.0	0.0
Kuntz	8.5	4.6	0.7	0.6	0.0	0.5	0.0	0.0
RB07	4.8	3.5	0.1	0.4	1.6	0.0	0.0	0.0
Sabin	6.3	2.1	1.4	0.4	0.0	0.0	0.0	0.0
Tom	6.6	1.9	2.1	0.3	0.0	0.0	0.0	0.0
Traverse	6.5	7.1	0.9	0.7	0.0	1.0	0.0	0.0
Vantage	3.9	4.9	0.8	0.1	0.0	0.0	0.0	0.0
WB-Digger	4.0	1.9	3.4	0.1	0.7	1.4	1.1	1.3
Mean	5.5	3.7	1.0	0.3	0.4	0.3	0.2	0.2
c.v.	51.5		112.0		270.0		38.4	
LSD 0.05	3.7		1.3		1.4		1.5	

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.