

Effect of winter wheat variety and fungicide on yield and other agronomic traits, Forman, ND, 2010.

Variety	Yield		Heading Date		1000 kernal wt		Test weight		Protein		Height	
	Fung ¹	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung
	(bu/a)		(date)		(gm)		(lb/bu)		(%)		(cm)	
Art	64.7	57.2	2-Jun	2-Jun	33.3	32.5	58.8	56.6	14.2	13.1	82.3	80.0
Boomer	56.7	47.5	5-Jun	7-Jun	34.9	32.9	58.3	55.9	13.5	12.7	79.7	81.7
Accipiter	55.1	46.9	7-Jun	7-Jun	33.9	34.0	59.4	57.2	12.6	12.9	80.3	84.7
CDC Falcon	57.3	44.3	4-Jun	5-Jun	34.0	33.6	57.6	56.9	13.5	13.8	79.0	81.3
Peregrine	59.8	55.2	7-Jun	9-Jun	33.9	33.3	60.1	58.6	12.7	12.6	99.7	99.3
Carter	57.2	42.5	5-Jun	6-Jun	34.3	34.3	59.1	57.5	13.5	13.7	75.7	75.3
Darrell	61.9	58.2	4-Jun	5-Jun	37.3	35.5	59.0	57.9	12.7	13.3	84.3	87.0
Decade	54.6	49.3	4-Jun	6-Jun	32.9	32.6	57.3	56.6	13.2	13.8	83.0	85.0
Hawken	51.9	47.5	1-Jun	2-Jun	33.3	32.9	55.3	56.3	14.1	13.8	78.3	80.0
Jagalene	60.3	39.2	3-Jun	3-Jun	34.9	33.1	59.4	55.4	12.7	13.1	81.7	85.3
Jerry	53.7	53.6	7-Jun	9-Jun	36.2	34.8	57.9	57.2	13.2	13.1	92.0	94.3
Lyman	55.9	51.8	2-Jun	4-Jun	38.3	36.1	60.1	59.2	13.4	13.7	83.7	81.7
Mace	48.4	47.2	3-Jun	4-Jun	33.3	33.5	57.7	56.5	13.7	13.0	79.3	80.7
Millenium	65.9	50.3	5-Jun	6-Jun	36.3	34.1	55.6	58.3	12.8	12.7	86.0	85.0
Overland	70.5	54.8	4-Jun	4-Jun	36.0	34.1	59.5	58.0	12.4	12.6	85.0	83.0
Striker	52.8	48.6	4-Jun	5-Jun	34.8	33.7	59.6	56.6	14.0	13.2	80.0	77.3
WB-Matlock	60.5	52.4	5-Jun	8-Jun	36.1	34.9	59.7	58.7	13.0	12.7	81.0	85.7
Wesley	58.5	44.0	5-Jun	1-Jun	35.1	32.1	56.3	54.0	14.2	14.1	78.3	74.0
Yellowstone	47.2	35.3	9-Jun	5-Jun	32.2	32.9	54.4	54.2	13.8	13.2	85.7	84.7
Mean	57.5	48.7	4-Jun	5-Jun	34.8	33.7	58.2	56.9	13.3	13.2	82.9	83.5
c.v.	9.3		0.1		3		2.7		4.7		4.3	
LSD 0.05	8.1		2.8		1.7		2.5		1.0		5.9	

¹Fungicides 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 fungicide¹ on lodging and disease development, Forman, ND, 2010.

Variety	Lodging		Leaf Disease		Leaf rust		FHB Field Severity ²		DON ³	
	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung
	(0-9)		(%)		(%)		(%)		(ppm)	
Art	0.3	0.0	4.6	13.3	0.0	4.1	7.0	23.8	0.8	1.5
Boomer	0.3	0.0	8.5	21.5	0.0	0.2	0.6	4.3	2.4	3.4
Accipiter	0.3	0.0	11.7	11.1	0.0	2.7	9.0	8.6	1.8	2.4
CDC Falcon	0.3	0.0	6.7	12.3	0.1	1.1	2.5	10.2	1.4	2.9
Peregrine	1.3	1.0	4.1	6.5	0.0	1.7	0.3	0.5	1.7	1.9
Carter	0.3	0.3	10.8	17.2	0.2	2.8	1.9	0.8	1.0	1.5
Darrell	1.3	2.0	8.5	13.0	0.0	28.2	0.3	3.3	1.2	1.7
Decade	0.3	0.0	1.9	9.7	1.4	30.9	4.0	20.2	5.3	5.1
Hawken	1.0	0.3	3.8	7.3	0.0	9.4	4.2	25.6	1.7	2.1
Jagalene	0.3	0.3	4.9	11.0	0.0	17.1	5.7	27.3	2.9	6.0
Jerry	1.7	0.0	6.8	10.7	0.0	5.8	0.0	0.3	2.5	3.1
Lyman	3.7	3.7	4.9	22.3	0.0	3.1	0.0	3.2	0.7	1.3
Mace	0.0	0.7	6.3	11.5	0.3	4.6	5.7	20.9	1.1	1.2
Millenium	1.3	0.3	9.2	18.4	0.0	0.2	0.7	3.0	1.0	2.4
Overland	1.7	0.3	16.8	19.6	0.0	1.1	1.2	2.5	0.8	2.0
Striker	0.7	0.3	6.7	11.9	0.0	2.2	3.5	25.2	1.8	3.4
WB-Matlock	0.0	0.0	8.7	27.4	0.0	1.4	0.9	5.1	1.0	2.5
Wesley	0.3	0.0	8.0	13.8	1.7	14.8	3.3	23.1	2.0	3.2
Yellowstone	0.0	1.3	13.8	10.8	0.6	6.0	7.6	24.6	6.6	5.2
Mean	0.8	0.6	7.7	14.2	0.2	7.2	3.1	12.2	2.0	2.8
c.v.	136		56.4		158.6		146		38.4	
LSD 0.05	1.5		10.3		9.6		18.8		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.