Three Year Data For Wheat and Barley Varieties

2009 Grand Forks County Plot

BARLEY	Fungicide Yield (bu/A)				Untreated Yield (bu/A)				Fungicide Test Weight				Untreated Test Weight				Fungicide Protein (%)				Untreated Protein (%)			
Variety	**2009**	**2008**	**2007**	**Avg.**	2009	2008	2007	Avg.	**2009**	**2008**	**2007**	**Avg.**	2009	2008	2007	Avg.	**2009**	**2008**	**2007**	**Avg.**	2009	2008	2007	Avg.
Legacy	**156.8**			**156.8**	138.4	138.4		138.4	**39.2**			**39.2**	44.0			44.0	**12.7**			**12.7**	12.9			12.9
Celebration	**112.1**			**112.1**	116.8			116.8	**44.5**			**44.5**	44.7			44.7	**13.4**			**13.4**	13.3			13.3
Pinnacle	**112.4**	**107.3**		**109.9**	123.0	119.0		121.0	**41.5**	**43.0**		**42.3**	41.7	39.0		40.4	**12.2**	**11.5**		**11.9**	12.1	11.6		11.9
Rasmussen	**140.6**	**98.1**		**119.4**	123.9	105.8		114.9	**42.7**	**44.0**		**43.4**	44.6	44.0		44.3	**12.9**	**13.4**		**13.2**	12.9	12.7		12.8
Lacey	**127.0**	**105.8**	**120.3**	**117.7**	124.7	100.4	110.6	111.9	**45.6**	**41.0**	**39.0**	**41.9**	46.0	43.0	42.7	43.9	**13.0**	**12.7**	**13.3**	**13.0**	12.8	12.6	13.6	13.0
Stellar	**120.7**	**96.0**	**99.4**	**105.4**	116.6	112.9	108.1	112.5	**45.4**	**42.0**	**40.3**	**42.6**	43.3	40.0	40.5	41.3	**12.7**	**12.4**	**12.9**	**12.7**	12.7	12.6	13.2	12.8
Tradition	**124.6**	**100.2**	**113.3**	**112.7**	116.1	101.1	108.7	108.6	**44.7**	**44.0**	**41.5**	**43.4**	43.7	44.0	43.2	43.6	**12.8**	**12.9**	**12.8**	**12.8**	13.0	12.9	13.6	13.2
Drummond	**102.5**	**96.9**	**104.7**	**101.4**	108.8	88.4	105.7	101.0	**44.3**	**42.0**	**41.6**	**42.6**	43.4	41.0	40.5	41.6	**13.0**	**12.7**	**13.7**	**13.1**	13.3	13.0	13.6	13.3
Robust	**107.0**	**106.4**	**102.4**	**105.3**	111.4	102.1	104.0	105.8	**45.4**	**40.0**	**42.6**	**42.7**	44.8	41.0	42.8	42.9	**13.3**	**13.0**	**13.7**	**13.3**	13.4	13.0	13.5	13.3

	Fungicide Plump				Untreated Plump			
Variety	**2009**	**2008**	**2007**	**Avg.**	2009	2008	2007	Avg.
Legacy	**90.0**			**90.0**	92.0			92.0
Celebration	**96.0**			**96.0**	94.0			94.0
Pinnacle	**90.0**	**94.0**		**92.0**	88.0	92.0		90.0
Rasmussen	**88.0**	**96.0**		**92.0**	88.0	92.0		90.0
Lacey	**94.0**	**96.0**	**88.0**	**92.7**	96.0	94.0	88.0	92.7
Stellar	**88.0**	**92.0**	**88.0**	**89.3**	86.0	92.0	90.0	89.3
Tradition	**90.0**	**96.0**	**86.0**	**90.7**	88.0	94.0	82.0	88.0
Drummond	**94.0**	**96.0**	**88.0**	**92.7**	92.0	94.0	82.0	89.3
Robust	**96.0**	**90.0**	**88.0**	**91.3**	96.0	92.0	88.0	92.0

HRSW	Fungicide Yield (bu/A)				Untreated Yield (bu/A)				Fungicide Test Weight				Untreated Test Weight				Fungicide Protein (%)				Untreated Protein (%)			
Barlow	**79.1**			**79.1**	74.4			74.4	**59.0**			**59.0**	58.9			58.9	**13.9**			**13.9**	14.2			14.2
Albany	**92.0**			**92.0**	82.7			82.7	**56.8**			**56.8**	56.6			56.6	**13.0**			**13.0**	13.5			13.5
Brick	**79.5**			**79.5**	71.3			71.3	**61.5**			**61.5**	61.8			61.8	**13.9**			**13.9**	14.4			14.4
Jenna	**94.2**			**94.2**	74.3			74.3	**53.0**			**53.0**	58.5			58.5	**14.6**			**14.6**	14.2			14.2
Brennan	**73.0**			**73.0**	64.3			64.3	**61.1**			**61.1**	60.5			60.5	**13.7**			**13.7**	14.1			14.1
Brogen	**85.1**			**85.1**	70.1			70.1	**58.0**			**58.0**	58.5			58.5	**13.5**			**13.5**	13.9			13.9
Blade	**90.0**	**44.0**		**67.0**	71.1	47.3		59.2	**54.9**	**63.0**		**59.0**	54.0	61.8		57.9	**13.3**	**15.1**		**14.2**	13.6	15.5		14.6
Tom	**81.5**	**52.3**		**66.9**	72.8	54.0		63.4	**60.0**	**62.5**		**61.3**	60.2	62.0		61.1	**13.8**	**14.5**		**14.2**	14.3	14.9		14.6
Breaker	**93.9**	**46.5**	**83.6**	**74.7**	75.2	53.7	80.1	69.7	**54.2**	**63.6**	**57.5**	**58.4**	53.7	62.5	58.7	58.3	**13.3**	**14.8**	**13.4**	**13.8**	13.4	14.8	13.7	14.0
Sampson	**88.8**	**44.5**	**87.7**	**73.7**	74.9	47.6	82.3	68.3	**58.3**	**60.0**	**60.8**	**59.7**	58.1	60.2	60.1	59.5	**13.3**	**14.7**	**13.6**	**13.9**	13.8	15.1	13.6	14.2
Vantage	**89.8**	**46.4**	**83.8**	**73.3**	72.8	47.4	75.4	65.2	**55.7**	**62.4**	**59.5**	**59.2**	56.0	61.9	61.4	59.8	**13.5**	**14.3**	**14.0**	**13.9**	13.7	14.9	14.3	14.3
Bigg Red	**84.6**	**47.3**	**75.9**	**69.3**	75.9	50.9	69.6	65.5	**57.0**	**62.7**	**62.9**	**60.9**	56.0	61.8	62.6	60.1	**13.6**	**14.3**	**13.5**	**13.8**	13.7	14.5	13.3	13.8
Kuntz	**85.1**	**50.3**	**81.8**	**72.4**	67.2	50.1	84.2	67.2	**56.3**	**62.1**	**60.3**	**59.6**	57.7	61.4	59.7	59.6	**13.6**	**13.3**	**13.0**	**13.3**	14.0	13.3	13.4	13.6
Kelby	**74.7**	**35.2**	**70.6**	**60.2**	62.4	37.2	71.4	57.0	**61.3**	**62.0**	**59.4**	**60.9**	60.8	61.5	60.4	60.9	**14.0**	**14.9**	**13.9**	**14.3**	14.4	15.1	14.0	14.5
Howard	**81.6**	**54.3**	**87.9**	**74.6**	64.2	57.4	82.5	68.0	**61.9**	**62.5**	**61.1**	**61.8**	59.0	61.1	61.8	60.6	**14.0**	**14.7**	**14.5**	**14.4**	14.8	14.9	14.5	14.7
Alsen	**78.0**	**58.2**	**75.9**	**70.7**	67.7	58.0	69.1	64.9	**58.1**	**62.1**	**59.1**	**59.8**	55.6	63.0	59.5	59.4	**13.9**	**14.8**	**14.7**	**14.5**	14.4	14.9	14.9	14.7
Traverse	**81.6**	**65.8**	**100.4**	**82.6**	74.4	68.8	99.9	81.0	**60.2**	**60.1**	**58.7**	**59.7**	59.2	58.9	57.8	58.6	**13.2**	**12.8**	**13.9**	**13.3**	13.7	13.3	13.3	13.4
Faller	**86.9**	**59.3**	**99.0**	**81.7**	80.2	62.3	95.8	79.4	**58.7**	**62.7**	**60.1**	**60.5**	58.0	61.7	60.3	60.0	**13.3**	**13.5**	**13.2**	**13.3**	13.8	13.9	13.7	13.8
RB07	**81.0**	**54.9**	**84.1**	**73.3**	66.5	64.2	84.6	71.8	**60.0**	**61.8**	**61.2**	**61.0**	61.9	61.7	60.1	61.2	**14.3**	**14.7**	**13.8**	**14.3**	13.8	14.0	13.8	13.9
Glenn	**83.1**	**48.4**	**79.0**	**70.2**	72.4	53.2	73.9	66.5	**61.2**	**64.1**	**62.9**	**62.7**	61.2	63.0	63.0	62.4	**14.1**	**15.0**	**14.1**	**14.4**	14.6	15.2	14.7	14.8
Ada	**82.6**	**50.2**	**80.4**	**71.1**	74.9	54.1	74.4	67.8	**61.0**	**62.7**	**61.7**	**61.8**	60.0	62.0	60.5	60.8	**13.8**	**14.6**	**13.6**	**14.0**	14.0	14.7	13.8	14.2
Oklee	**78.5**	**57.0**	**78.4**	**71.3**	69.3	57.7	78.3	68.4	**62.6**	**61.7**	**61.3**	**61.9**	62.4	62.0	60.8	61.7	**17.1**	**14.8**	**14.7**	**15.5**	14.6	15.2	14.7	14.8

White Wheat	Fungicide Yield (bu/A)				Untreated Yield (bu/A)				Fungicide Test Weight				Untreated Test Weight				Fungicide Protein (%)				Untreated Protein (%)			
Alpine	**87.3**	**37.7**	**61.0**	**62.0**	83.7	38.2	42.2	54.7	**51.5**	**61.4**	**58.5**	**57.1**	49.4	61.0	55.6	55.3	**13.0**	**13.6**	**13.3**	**13.3**	12.8	13.4	13.9	13.4

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Variety	NF* Average Yield	F** Average Yield	Variety	TW*** NF	TW F	Protein NF	Protein F	Plump NF	Plump F
Stellar	116.6	120.7	Stellar	43.3	45.4	12.7	12.7	86.0	88.0
Robust	111.4	107.0	Robust	44.8	45.4	13.4	13.3	96.0	96.0
Lacey	124.7	127.0	Lacey	46.0	45.6	12.8	13.0	96.0	94.0
Tradition	116.1	124.6	Tradition	43.7	44.7	13.0	12.8	88.0	90.0
Rasmussen	123.9	140.6	Rasmussen	44.6	42.7	12.9	12.9	88.0	88.0
Pinnacle	123.0	112.4	Pinnacle	41.7	41.5	12.1	12.2	88.0	90.0
Legacy	138.4	156.8	Legacy	44.0	39.2	12.9	12.7	92.0	90.0
Celebration	116.8	112.1	Celebration	44.7	44.5	13.3	13.4	94.0	96.0
Drummond	108.8	102.5	Drummond	43.4	44.3	13.3	13.0	92.0	94.0
Mean	***120.0***	***122.6***	***Mean***	***44.0***	***43.7***	***12.9***	***12.9***	***91.1***	***91.8***
Oklee	69.3	78.5	Oklee	62.4	62.6	14.6	17.1		
Howard	64.2	81.6	Howard	59.0	61.9	14.8	14.0		
Brogen	70.1	85.1	Brogen	58.5	58.0	13.9	13.5		
Alsen	67.7	78.0	Alsen	55.6	58.1	14.4	13.9		
Traverse	74.4	81.6	Traverse	59.2	60.2	13.7	13.2		
Faller	80.2	86.9	Faller	58.0	58.7	13.8	13.3		
RB07	66.5	81.0	RB07	61.9	60.0	13.8	14.3		
Tom	72.8	81.5	Tom	60.2	60.0	14.3	13.8		
Glenn	72.4	83.1	Glenn	61.2	61.2	14.6	14.1		
Ada	74.9	82.6	Ada	60.0	61.0	14.0	13.8		
Breaker	75.2	93.9	Breaker	53.7	54.2	13.4	13.3		
Albany	82.7	92.0	Albany	56.6	56.8	13.5	13.0		
Bigg Red	75.9	84.6	Bigg Red	56.0	57.0	13.7	13.6		
Brennan	64.3	73.0	Brennan	60.5	61.1	14.1	13.7		
Samson	74.9	88.8	Samson	58.1	58.3	13.8	13.3		
Vantage	72.8	89.8	Vantage	56.0	55.7	13.7	13.5		
Blade	71.7	90.0	Blade	54.0	54.9	13.6	13.3		
Barlow	74.4	79.1	Barlow	58.9	59.0	14.2	13.9		
Brick	71.3	79.5	Brick	61.8	61.5	14.4	13.9		
Jenna	74.3	94.2	Jenna	58.5	53.0	14.2	14.6		
Kuntz	67.2	85.1	Kuntz	57.7	56.3	14.0	13.6		
Kelby	62.4	74.7	Kelby	60.8	61.3	14.4	14.0		
Mean	***71.8***	***83.8***	***Mean***	***58.6***	***58.7***	***14.0***	***13.9***		
Alpine	83.7	87.3	Alpine	49.4	51.5	12.8	13.0		
Mean	***83.7***	***87.3***	***Mean***	***49.4***	***51.5***	***12.8***	***13.0***		

*NF = Non-fungicide treated

**F = Fungicide treated

***TW = Test weight