

2006 Winter Wheat Variety Trial - Continuously Cropped - No-till

Hettinger

Variety	Winter Surv.	Days to Head	Plant Height	Test Weight	Grain Protein	---- Grain Yield ----			Average Yield	
	%	From 1/1	inches	Lbs/bu	%	2004	2005	2006	2 yr	3 yr
						----- Bushels per acre -----				
Jerry	60	158	24	58.4	13.9	64.6	70.8	24.8	47.8	53.4
Harding	48	157	23	56.8	14.5	60.6	71.1	27.0	49.0	52.9
Yellowstone	17	159	22	56.4	14.0	57.0	68.2	20.4	44.3	48.5
Ransom	60	158	23	56.2	13.9	46.7	64.5	30.4	47.4	47.2
Roughrider	63	158	23	58.8	14.7	50.2	60.8	28.3	44.6	46.4
Wesley	44	156	20	58.7	15.1	44.3	68.7	19.1	43.9	44.0
Millennium	8	157	23	56.8	14.4	55.4	66.9	8.7	37.8	43.7
McClintock	1	159	25	56.7	14.4	53.7	63.3	8.9	36.1	42.0
Jagalene	30	157	20	60.2	14.2	42.4	61.3	20.9	41.1	41.5
Expedition	51	155	20	59.4	13.6	43.2	55.7	19.4	37.6	39.4
CDC Falcon	1	159	20	56.8	13.8	41.5	66.7	8.7	37.7	39.0
CDC Buteo	87	157	23	60.0	13.9		65.8	36.9	51.4	
Wendy*	32	156	20	58.8	14.2		61.7	18.9	40.3	
Radiant	90	158	24	57.3	14.1			41.7		
Paul	38	159	20	55.8	14.9			22.4		
Goodstreak	7	158	20	57.6	13.3			17.8		
Alice*	12	156	19	59.6	14.0			14.7		
Willow Creek**	48	168	28	54.0	16.3			21.4		
Trial Mean	36	158	22	57.8	14.2	44.8	64.0	22.1	--	--
C.V. %	72	0.6	7.9	1.5	2.4	19.5	4.5	46.1	--	--
LSD .05	43	2	3	1.5	0.6	NS	4.7	17.0	--	--
LSD .01	57	2	4	2.0	0.8	NS	6.3	NS	--	--

* Hard white winter wheat.

** Forage winter wheat.

Planting Date: September 19, 2005

Harvest Date: July 24, 2006

Seeding Rate: 1 million live seeds / acre (approx. 1.4 bu/A).

Previous Crop: 2003 & 2005 = soybean, 2004 = barley.

Notes: Trial went into winter dormancy in fair condition. Trial sustained severe late season heat and moisture stress.

2006 Winter Wheat Variety Trial - Continuously Cropped - No-till Mandan

Cooperator: USDA-ARS, Mandan

This trial was funded by Ducks Unlimited, Bismarck

Variety	Winter	Test	Grain	---- Grain Yield ----			Average Yield		
	Surv.	Weight	Protein	2004	2005	2006	2 yr	3 yr	
	%	Lbs/bu	%	----- Bushels per acre -----					
Harding	88	56.6	13.3	52.6	52.8	36.5	44.6	47.3	
Jerry	93	55.4	14.5	54.3	46.1	39.1	42.6	46.5	
Millennium	87	57.3	12.5	55.0	40.0	36.9	38.4	44.0	
Roughrider	83	58.1	13.9	44.2	36.1	37.2	36.6	39.2	
Expedition	90	58.8	12.6	50.0	27.4	36.9	32.2	38.1	
Ransom	85	54.4	13.2	51.1	32.2	30.9	31.6	38.1	
Wesley	83	56.7	13.8	49.5	12.8	41.1	27.0	34.5	
CDC Falcon	90	55.0	14.1	48.0	16.9	37.4	27.2	34.1	
CDC Buteo	87	58.3	13.1		32.8	38.3	35.6		
McClintock	78	57.4	14.3		21.7	35.7	28.7		
Wendy*	90	58.5	12.7		17.8	39.5	28.6		
Yellowstone	67	55.6	14.0		12.5	34.5	23.5		
Alice*	90	57.6	12.2			43.5			
Jagalene	82	58.6	12.6	52.2		42.0			
Paul	87	54.1	13.4			41.5			
Radiant	85	55.8	14.4			36.5			
Goodstreak	80	55.2	12.1			34.5			
Trial Mean	85	56.7	13.4	51.0	27.4	37.5	--	--	
C.V. %	13.8	1.4	5.2	6.7	20.7	16.5	--	--	
LSD .05	NS	1.3	1.1	5.7	9.5	NS	--	--	
LSD .01	NS	1.7	1.5	7.6	12.9	NS	--	--	

* Hard white winter wheat

Planting Date: September 20, 2005

Harvest Date: August 4, 2006

Seeding Rate: 1 million live seeds / acre (approx. 1.4 bu/A).

Previous Crop: 2003 = barley, 2004 = lentil, 2005 = HRWW.

Notes: Trial sustained severe late season heat and moisture stress.