

2010 Winter Wheat Variety Trial - Continuously Cropped - No-till **Mandan**

Cooperator: USDA-ARS, Northern Great Plains Research Lab., Mandan

This trial was partially funded by Ducks Unlimited, Bismarck

Variety	Winter Survival	Plant Height	Test Weight	Grain Protein	---- Grain Yield ----			Average Yield	
	%	inches	lbs/bu	%	2008	2009	2010	2 yr	3 yr
					----- Bushels per acre -----				
Overland	99	29	57.0	10.0	58.9	84.4	51.4	67.9	64.9
Jagalene	97	27	56.4	10.8	56.7	86.7	44.5	65.6	62.6
Darrell	97	30	56.7	10.0	60.1	77.1	48.9	63.0	62.0
Millennium	98	30	57.7	10.6	55.5	77.7	51.1	64.4	61.4
Peregrine	97	35	57.6	9.6	52.3	86.0	44.5	65.2	60.9
Radiant	93	31	54.3	10.3	57.3	85.7	38.4	62.0	60.5
Jerry	92	30	55.3	11.1	57.7	76.3	47.0	61.6	60.3
Accipiter	98	28	57.6	10.2	55.0	80.8	44.4	62.6	60.1
Lyman	98	30	57.3	10.8	43.5	87.5	47.3	67.4	59.4
Yellowstone	97	29	52.6	11.5	53.6	75.7	47.5	61.6	58.9
Falcon	98	26	56.4	10.2	52.6	78.7	40.7	59.7	57.3
Wesley	99	27	54.1	12.4	38.0	81.7	50.1	65.9	56.6
Hawken	96	26	55.3	12.7	39.1	83.2	45.9	64.6	56.1
Decade	98	29	56.0	11.6		92.2	49.6	70.9	
Boomer	95	30	54.4	11.4		81.8	48.3	65.0	
Art	97	26	56.0	11.4		80.4	44.7	62.6	
Mace	95	25	52.4	11.0		76.5	40.5	58.5	
Striker	95	26	55.8	11.3		74.0	41.4	57.7	
Carter	96	25	55.2	11.6			40.0		
Trial Mean	96	28	55.4	11.0	49.2	81.3	45.1	--	--
C.V. %	4.6	5.3	1.6	7.8	14.0	7.1	15.4	--	--
LSD .05	NS	2	1.3	1.2	9.7	8.1	9.8	--	--
LSD .01	NS	3	1.7	1.6	12.9	10.8	12.9	--	--

Planting Date: October 8, 2009

Harvest Date: August 18, 2010

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

Previous Crop: 2007 = soybean, 2008 & 2009 = hrsw.

Note: The 2010 trial sustained significant nitrogen deficiency causing relatively poor protein content and yields.