

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Winter Wheat Irrigated Variety Trial										WREC, Nesson Valley, ND 2016	
Variety	Origin	Year of Release	Days to Heading (julian)	Plant Height (in)	Fall stand (%)	Spring stand (%)	Lodging (0-9*)	Protein† (%)	Test Weight (lb/bu)	Yield	
										2016 (bu/a)	2-Yr Avg (bu/a)
Decade	MT/ND	2010	152	32.8	99	97	1	13.2	56.9	98.9	97.9
Jerry	ND	2001	151	34.4	99	96	3	13.3	55.6	93.4	96.8
Radiant	CDC	2001	151	33.2	99	97	1	12.6	60.0	113.4	-
CDC Falcon	CDC	2000	152	32.9	99	96	2	12.3	58.5	113.0	-
Peregrine	CDC	2008	152	33.5	98	98	2	12.7	58.7	110.6	-
Boomer	WB	2009	153	34.2	99	98	2	13.1	56.3	109.8	-
WB Matlock	WB	2010	152	33.4	99	98	1	12.6	59.5	106.1	-
CDC Accipiter	CDC	2008	155	32.4	99	98	1	12.7	58.2	102.8	-
Northern	MT	2015	153	32.4	98	96	3	13.3	56.3	102.7	-
Overland	NE	2006	149	35.8	99	96	2	13.2	57.6	101.6	-
Mean			151.8	33.5	98.8	96.8	1.7	12.9	57.8	105.2	97.3
C.V.			0.7	8.5	1.4	2.1	59.5	4.1	3.0	7.5	-
LSD 5%			1.6	4.1	2.1	2.9	1.4	0.9	3.0	13.8	-
LSD 10%			1.3	3.4	1.7	2.4	1.2	1.1	3.6	16.6	-

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft

Planted: 8/28/2015

Residue status at planting: 0" soybean stubble

Plot size: 91.875 ft²

Applied fertilizer in lbs/a broadcast: 385 lbs/a of 46-0-0

Soil test to 6": 13-ppm P, 152-ppm K, OM-1.8, pH-7.7

Soil test to 2' in lb/a: 30 lbs of N

Yield goal: 100 bu/a

Planting population: 1.25 million seeds/a

Herbicides applied: None

Fungicides applied: None

Rainfall: 8.5 in. (1/1/2016 - 7/19/2016)

Irrigation: 6.8 in. (1/1/2016 - 7/19/2016)

Days after planting

*0: no lodging - 9: plants lying flat on ground

†Protein content adjusted to a 12% moisture

Previous crop: Soybean

Harvested: 7/19/2016

Soil type: Lihen Loamy Fine Sand