

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Hard Red Spring Wheat Irrigated Variety Trial								WREC, Nesson Valley, ND 2016		
Variety	Origin	Year of release	Plant height (in)	Days to head (DAP+)	Lodging (0-9*)	Protein† (%)	Test weight (lb/bu)	Yield		
								2016 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Velva	ND	2011	33.9	62	0	15.4	61.5	82.1	90.2	94.3
LCS Iguacu	Limagrain	2014	30.5	60	0	14.0	61.8	81.7	88.9	93.3
Jenna	AgriPro	2009	30.5	63	0	15.5	61.2	84.0	86.9	90.9
Freyr	AgriPro	2004	33.2	61	0	16.3	61.6	75.9	86.6	89.2
Elgin-ND	ND	2012	35.7	61	0	16.0	61.8	89.9	88.0	88.2
Reeder	ND	1999	32.7	61	0	16.0	61.6	80.6	85.8	87.4
Prosper	ND	2011	31.9	63	0	15.4	61.4	83.4	84.4	87.1
Barlow	ND	2009	34.2	60	0	16.3	62.8	76.6	81.2	87.1
SY Soren	Syngenta	2011	29.6	61	1	15.3	61.6	77.4	82.4	86.6
Mott	ND	2009	35.5	62	1	15.2	62.1	79.7	81.7	86.6
Vida	MT	1998	31.7	61	0	16.1	59.3	82.9	85.3	85.8
Faller	ND	2007	32.2	62	0	14.6	61.0	79.0	79.3	85.3
Steele-ND	ND	2004	33.9	61	0	16.2	62.6	75.9	76.2	84.5
Briggs	SD	2002	31.1	61	0	16.6	61.9	73.1	78.8	83.5
RB07	MN	2007	31.3	62	0	16.3	60.8	78.4	79.7	82.8
Glenn	ND	2005	33.3	60	0	16.2	63.5	69.7	75.5	81.8
Linkert (MN06028)	MN	2013	28.4	61	0	16.6	61.7	71.8	74.9	81.6
Rollag	MN	2011	30.0	61	1	16.2	62.1	74.3	78.0	81.4
Vantage	WB	2007	30.5	62	0	16.3	62.9	82.8	81.9	80.0
Brennan	AgriPro	2009	29.2	60	0	15.5	61.4	73.0	73.2	79.1
Kelby	AgriPro	2006	28.2	60	0	16.3	60.8	62.2	68.7	76.2
Croplan HRSW 3530	Croplan	2015	34.9	62	1	13.9	61.7	89.5	94.2	-
Croplan HRS 3419	Croplan	2014	31.3	63	1	13.4	60.3	102.1	89.6	-
Bolles (MN00186-8)	MN	2015	30.9	61	0	17.5	61.2	79.4	79.7	-
Prevail (SD4178)	SD	2014	31.8	61	1	15.4	61.1	74.1	78.7	-
WB-Mayville	WB	2011	26.1	60	0	16.6	60.5	68.4	75.4	-
Forefront	SD	2012	31.7	61	0	15.4	61.8	78.8	72.8	-
Prestige	Pulse USA	2015	31.8	64	0	13.6	61.1	104.3	-	-
Advance	SD	2012	31.7	61	0	14.9	62.9	87.6	-	-
LCS Nitro (LNR10125)	Limagrain	2015	27.6	62	1	14.1	61.1	87.4	-	-
MS Chevelle	Meridian		30.7	60	0	14.1	62.1	86.5	-	-
SY Ingmar	Syngenta	2014	30.6	60	0	15.6	62.9	84.7	-	-
Egan	MSU	2014	32.7	62	0	16.9	59.3	80.7	-	-
WB-Digger	WB	2009	32.0	60	0	16.0	60.7	77.8	-	-
LCS Prime	Limagrain	2015	31.3	62	0	15.1	62.5	77.6	-	-
Croplan HRS 3616	Croplan		31.2	61	0	16.0	61.0	77.0	-	-
WB9653	WB		28.2	62	0	15.3	61.0	76.2	-	-
SY Valda	Syngenta		28.0	61	0	15.7	62.2	70.2	-	-
WB9507	WB		32.5	61	0	15.4	59.4	69.5	-	-
Redstone	Pulse USA	2015	28.6	60	1	15.9	60.3	69.5	-	-
Focus (SD4362)	SD		31.3	60	0	16.6	62.4	66.8	-	-
LCS Anchor (LNR 12-0283)	Limagrain	2016	27.4	61	1	16.0	61.2	64.8	-	-
Mean			31.2	61.1	0.2	15.6	61.5	78.7	81.4	85.4
C.V.			5.1	2.2	188.5	4.3	0.8	9.7	-	-
LSD 5%			2.2	1.9	0.5	0.9	0.7	10.7	-	-
LSD 10%			1.9	1.6	0.5	0.8	0.6	9.0	-	-

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

Previous crop: Potato

Planted: 4/21/2016

Harvested: 8/9/2016

Residue status at planting: Conventional Till

Soil type: Lihen Loamy Fine Sand

Plot size: 91.875 ft²

Applied fertilizer in lbs/a broadcast: 420 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' : 7 lbs of N

Yield goal: 90 bu/a

Planting population: 1.25 million seeds/a

Herbicides applied: Starane 10 oz/a + Tacoma 1EC 10 oz/a + Bison 1.5 pt/a (5/17/2016)

Fungicides applied:

Rainfall: 8.21 in (4/21/2016 - 8/9/2016)

Irrigation: 6.8 in (4/21/2016 - 8/9/2016)

Days after planting

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

†Protein content adjusted to a 12% moisture