

**Irrigated HRSW Variety Trial** **WREC - Nesson Valley 2015**

Variety	Plant	Protein <sup>1</sup>					Test		Yield				
	Height inch	2013	2014	2015	2yr avg	3yr avg	Weight lb/bu	2013	2014	2015	2yr avg	3yr avg	
		-----%-----						-----bu/a-----					
Velva	37	13.7	12.7	16.7	14.7	14.4	60.7	105.0	102.4	98.3	100.3	101.9	
Jenna	35	13.2	12.6	16.1	14.4	14.0	61.3	100.1	98.9	89.8	94.4	96.3	
LCS Albany	32	12.5	12.4	15.3	13.8	13.4	61.3	108.0	94.5	80.8	87.6	94.4	
Prosper	34	13.5	12.8	16.9	14.9	14.4	61.3	100.6	92.7	85.3	89.0	92.9	
Faller	35	13.6	12.5	15.5	14.0	13.9	60.9	101.7	97.3	79.5	88.4	92.8	
LCS Powerplay	33	12.3	12.5	16.0	14.2	13.6	61.7	81.6	98.1	94.1	96.1	91.2	
Barlow	36	14.6	13.2	16.8	15.0	14.9	62.3	88.6	98.7	85.9	92.3	91.1	
Freyr	36	13.6	13.4	16.3	14.8	14.4	61.4	80.5	94.4	97.4	95.9	90.8	
Elgin-ND	38	14.1	13.4	17.5	15.4	15.0	61.0	97.2	88.5	86.2	87.4	90.6	
Rollag	32	13.5	13.6	17.1	15.4	14.7	62.4	98.6	88.3	81.6	85.0	89.5	
Reeder	33	13.3	13.7	17.4	15.5	14.8	61.3	87.0	90.5	91.0	90.8	89.5	
SY Soren	30	14.0	13.4	16.9	15.1	14.8	62.3	85.9	94.9	87.5	91.2	89.4	
Vida	32	13.8	13.9	16.3	15.1	14.7	60.3	92.5	89.0	86.6	87.8	89.4	
Linkert	31	14.7	14.4	17.3	15.8	15.5	61.4	94.2	94.9	78.1	86.5	89.0	
Mott	37	15.1	14.0	17.0	15.5	15.4	61.3	86.3	96.4	83.6	90.0	88.8	
RB07	33	14.0	13.1	17.3	15.2	14.8	60.8	96.0	88.8	81.1	84.9	88.6	
Steele-ND	35	14.6	13.3	16.4	14.8	14.8	62.0	87.4	101.1	76.5	88.8	88.4	
Briggs	36	14.0	14.0	17.0	15.5	15.0	61.6	85.2	92.7	84.6	88.7	87.5	
Brennan	32	14.4	13.8	17.1	15.4	15.1	61.6	94.2	90.9	73.5	82.2	86.2	
Glenn	37	14.2	13.6	17.9	15.7	15.2	63.3	82.2	94.6	81.2	87.9	86.0	
Kelby	32	14.5	14.3	17.8	16.0	15.5	61.4	84.4	91.2	75.1	83.1	83.6	
Vantage	33	15.2	15.5	17.3	16.4	16.0	62.8	89.1	76.3	81.0	78.7	82.1	
LCS Iguacu	35	-	12.0	14.3	13.2	-	62.3	-	102.1	96.1	99.1	-	
HRS 3530	39	-	-	16.0	-	-	61.0	-	-	98.9	-	-	
LCS Nitro	33	-	-	14.1	-	-	61.1	-	-	94.1	-	-	
Prevail	35	-	-	16.4	-	-	60.7	-	-	83.4	-	-	
Mayville	29	-	-	17.4	-	-	61.3	-	-	82.4	-	-	
Bolles	35	-	-	19.1	-	-	61.1	-	-	80.0	-	-	
HRS 3419	34	-	-	14.0	-	-	60.5	-	-	77.1	-	-	
Forefront	38	-	-	16.9	-	-	61.1	-	-	66.7	-	-	
Mean	34.2	13.93	13.38	16.60	15.04	14.73	61.45	92.10	93.78	84.58	89.38	90.00	
C.V.%	4.8	3.5	4.1	3.6	-	-	0.7	11.1	8.4	12.1	-	-	
LSD 5%	3.3	-	-	1.17	-	-	0.89	-	-	20.43	-	-	
LSD 10%	2.7	0.80	0.60	0.98	-	-	0.74	11.90	9.20	17.09	-	-	

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

Planted: 4/15/2015

Harvested: 8/4/2015

Plot size: 61.25 ft<sup>2</sup>

Previous crop: Potato

Applied fertilizer in lbs/a broadcast: 392 lbs of 46-0-0 (4/10/2015)

Soil test to 6": 19 ppm P : 245 ppm K OM-2.3 pH-7.8

Soil test to 2' in lb/a: 49 lbs N

Soil type: Lihen Loamy Fine Sand

Yield goal: 90 bu/a

Planting population: 1.5 million seeds/a

Row spacing: 7.5 inch

Herbicides applied: Supremacy 5 oz/acre (6/4/2015)

Fungicides applied: Tilt 2 oz/a (6/4/2015), Prosaro 8.2 oz/a (6/30/2015)

Rainfall: 5.6 inches (4/16 - 8/3)

Irrigation: 7.7 inches (4/23 -8/3)

Protein<sup>1</sup> = reported on a 12% moisture basis