

2012 WSU Variety Testing Barley Trial, Reardan

Variety Name <i>*Hulless Italicized</i>	5 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	2012				
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht.	Head Date
2004NZ163	4490	5200	4690	3600	54.2	12.5	27	186
08WA-140.11				3520	54.2	12.0	30	184
Radiant	4090	4610	4390	3450	53.6	11.9	32	184
08WA-107.8				3450	53.9	11.9	30	184
2004NZ170			4770	3430	53.4	12.1	28	186
08WA-137.6				3420	52.9	11.7	31	184
Lenetah	4710	5200	4750	3410	54.1	11.7	33	184
Champion	4650	5200	4820	3410	54.6	12.0	32	183
05WA-316.99		4810	4580	3400	53.6	12.3	33	184
LSC LN09-0920				3400	51.8	11.9	27	184
Bentley		4240	4480	3350	52.0	11.9	36	183
05WA-316.K		4940	4730	3340	53.1	12.5	29	183
07WA-682.1			4710	3340	54.2	12.2	34	185
CDC Copeland	3980	4460	4200	3270	52.2	11.8	35	186
Harrington	3890	4350	4340	3170	53.5	12.6	33	185
2004NZ151	4140	4820	4400	3150	53.6	12.0	30	185
Bob	4050	4340	4110	3110	53.5	13.1	32	183
07WA-601.6			4480	3110	52.7	12.7	29	183
CDC Meredith		4530	4420	3070	51.9	11.9	34	185
Baronesse	4390	4980	4640	3070	53.5	12.3	31	184
2Ab04-X01084-27			4370	3070	51.5	12.4	30	184
08WA-109.17				3030	53.3	12.7	34	184
06WA-412.4		4300		2960	54.3	13.3	30	185
07WA-614.4			4380	2950	52.0	13.1	32	186
08WA-118.12				2900	52.8	13.3	31	184
X05013-T267				2890	52.7	14.3	30	183
<i>X05056-T211</i>				2820	61.8	14.3	32	184
<i>2Ab09-X06F058HL-23</i>				2450	63.0	15.6	33	187
<i>09WA-265.14</i>				2310	63.5	13.8	34	186
<i>Meresse</i>	2930	3310	3100	2180	61.1	16.4	31	184
C.V. %	7	6	5	8	1.1	2.7	4	0
LSD (.10)	140	160	150	280	0.6	0.4	1	1
Average	4130	4620	4440	3130	54.4	12.7	31	184
Highest	4710	5200	4820	3600	63.5	16.4	36	187
Lowest	2930	3310	3100	2180	51.5	11.7	27	183

Reardan Spring Barley – Preliminary Data

1. Grain yield in the Reardan spring barley trial averaged 3130 lbs/acre, 1000 lbs/acre lower than the 5-year average at this location. The Reardan nursery was located about three miles east of Reardan, WA (H. Johnson, cooperator).
2. This nursery was seeded on 20 April, 2012 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a no-till plot drill equipped with hoe type openers set on 15-inch spacing. Base applied fertilizer was 77 lbs N/acre and a soil test showed 103 lbs N/acre available.
3. Yields ranged from 2180 lbs/acre to 3600 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 13 of the 30 entries are in this top group. 'Radiant' was the highest yielding named variety and 'Lenetah' was the highest yielding over 5 years at this location. All entries were 2-row and hulless entries are listed in italics.
4. Test weights were very good averaging 54.4 lbs/bu and ranged from 51.5 to 63.5 lbs/bu with the hulless cultivars producing the highest values. Grain protein averaged 12.7% and average plant height was 31 inches.