

## Western Washington: Conventional Spring Barley Variety Trial 2012

Variety Name	Yield (lbs/acre)	Test weight (lbs/bu)	Protein (%)	Plump Kernels (% >6/64 in)	Plant ht (in)	Heading (Julian)	Rust Severity (1-10)
2004NZ151	7376	48.7	10.7	90.7	30	187	3
2004NZ170	6955	50.3	9.7	94.3	29	187	3
06WA-412.4	6649	51.1	10.8	89.9	35	186	3
CDC Meredith (Malting)	6575	47.4	9.9	90.0	39	187	3
2004NZ163	6549	50.9	10.2	91.2	28	187	3
08WA-109.17	6465	48.9	10.5	86.3	39	185	5
07WA-614.4	6274	49.1	9.8	85.5	37	187	3
Baronesse	6233	50.8	9.8	93.0	33	186	3
08WA-140.11	6110	49.9	9.7	91.1	35	185	3
Newdale (Malting)	5999	50.0	9.5	91.5	31	185	2
07WA-601.6	5972	50.5	10.1	93.9	31	184	2
LSC LN09-0920	5969	47.6	10.2	89.3	28	188	3
05WA-316.K	5890	49.8	9.1	89.9	33	184	3
08WA-107.8	5845	49.7	9.7	93.9	36	184	2
Harrington (Malting)	5783	47.0	11.0	79.4	37	186	4
05WA-316.99	5779	48.4	9.5	90.2	36	186	3
X05013-T267	5752	50.3	10.5	95.5	31	183	5
2Ab04-X01084-27	5743	49.4	9.8	92.5	32	186	2
Bob	5651	51.3	9.4	95.0	33	184	2
08WA-118.12	5618	50.1	9.6	90.0	35	185	4
Radiant	5527	49.8	9.5	85.0	35	186	3
Champion	5375	50.6	9.6	92.5	35	184	4
Lenetah	5308	51.4	9.3	93.3	34	184	5
07WA-682.1	5213	48.0	9.8	84.8	38	186	5
CDC Copeland (Malting)	4886	48.2	9.1	90.4	38	188	3
X05056-T211 (Hulless)	4870	50.3	11.1	88.1	32	185	3
Bentley (Malting)	4846	45.2	9.4	86.5	40	186	7
Full Pint (Malting)	4724	47.8	11.2	91.6	27	186	2
Maja (Malting)	4508	47.4	9.8	85.0	39	183	5
Washford (Forage)	4405	33.7	11.0	87.0	44	185	4
Meresse (Hulless)	4256	53.6	11.4	76.2	35	183	6
Hockett (Malting)	4112	47.3	10.0	85.9	35	185	5
Camas	3929	49.0	9.3	90.6	34	187	4
2Ab09-X06F058HL-23 (Hulless)	3668	43.8	11.2	91.5	37	189	4
09WA-265.14 (Hulless)	2999	47.2	10.0	64.9	30	186	7
Oscar (Hulless)	2573	53.4	14.2	91.2	39	186	4
<b>CV %</b>	13.3	2.7	6.4	5.2	10.6	0.5	22.6
<b>LSD (0.1)</b>	976	1.8	0.9	6.3	5	1	1
<b>Average</b>	5400	48.8	10.1	88.8	34	186	4
<b>Highest</b>	7376	53.6	14.7	95.5	44	189	7
<b>Lowest</b>	2573	33.7	9.1	64.9	27	183	2

**Planting Notes:** The Conventional Spring Barley Nursery was planted May 10<sup>th</sup>, 2012 at the WSU Mount Vernon Research Center. Based on soil tests pre-plant fertilizer of Ammonium Sulfate (20-0-0-24) and Urea (46-0-0) was applied at a rate of 81 lbs N/acre. Seed was planted at 100 lbs/acre with a double disc drill set on 6-inch spacing. Results are the average of three replicate plots of each variety, planted in a randomized complete block design. Plots were harvested August 24<sup>th</sup>, 2012.

*Malting* varieties have either been approved for malting use by the American Malting Barley Association, or are in advanced trials to assess malting quality. This does not guarantee that these varieties will produce acceptable malting quality when grown here. *Hulless* varieties thresh free of the outer hull and have been selected for food or feed purposes. *Forage* varieties typically have hooded awns and have been selected for forage production, not grain yield.

*Rust Severity:* We observed both stripe rust and leaf rust in trials. Combined leaf damage was ranked from (1 – 10) July 19<sup>th</sup>.

All values within the 10% Least Significant Difference (LSD) range of the highest value are shown in **bold**.

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