

Western Washington: Organic 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)
07WA-601.6	5987	53	10.2	92.6	34	177	3
2004NZ170	5808	51	10.2	86.1	26	179	3
08WA-140.11	5775	53	9.3	89.7	35	178	4
05WA-316.K	5671	51	9.6	80.3	32	176	7
08WA-107.8	5659	51	10.0	82.2	37	175	5
Baronesse	5601	53	9.6	89.5	32	178	4
Radiant	5543	52	9.5	82.0	35	178	6
2004NZ151	5436	50	9.9	80.2	29	179	3
Newdale (Malting)	5382	51	10.0	81.9	34	177	6
Bob	5355	52	10.0	87.1	33	178	3
CDC Meredith (Malting)	5335	48	9.6	74.7	35	178	6
07WA-614.4	5317	49	9.9	78.1	35	179	7
Champion	5297	53	9.6	86.2	32	176	6
2004NZ163	5276	51	10.3	74.7	27	179	4
Lenetah	5271	53	9.6	87.7	35	175	7
05WA-316.99	5105	51	9.2	88.2	32	177	5
CDC Copeland (Malting)	5091	50	8.9	84.1	41	180	6
LSC LN09-0920	5078	54	10.7	89.8	31	178	7
08WA-109.17	5011	51	9.3	82.1	34	178	7
08WA-118.12	5003	51	9.6	78.4	32	175	8
Camas	4896	51	10.0	86.4	37	179	6
Full Pint (Malting)	4771	51	11.0	92.7	23	179	2
2Ab04-X01084-27	4669	52	9.9	86.1	34	176	7
Harrington (Malting)	4614	51	9.5	80.6	34	177	8
07WA-682.1	4576	49	10.1	77.6	36	177	8
X05056-T211 (Hulless)	4532	53	10.7	84.4	34	175	4
Maja (Malting)	4199	47	9.8	57.7	39	174	8
Hockett (Malting)	3994	50	9.6	89.1	36	179	7
Bentley (Malting)	3802	44	9.0	68.6	39	179	8
Meresse (Hulless)	3701	54	11.3	78.9	30	176	7
09WA-265.14 (Hulless)	3011	45	10.6	63.8	35	180	8
Washford (Forage)	2886	33	11.5	61.8	44	178	7
Oscar (Hulless)	2024	56	14.1	88.1	44	179	8
Tolmie Bere	1982	44	13.3	51.5	40	173	8
CV %	10.0	2.6	6.2	6.7	5.3	0.6	13.5
LSD (0.1)	644.4	1.8	0.9	7.4	2.5	1.4	1.1
Average	4755	50	10	81	34	177	6
Highest	5987	56	14	93	44	180	8
Lowest	1982	33	9	52	23	173	2

Planting Notes: The Organic Spring Barley variety trial was planted April 25, 2012 at the WSU Mount Vernon Research Center. Based on soil tests pre-plant organic fertilizer Proganic (8-2-4) was applied at a rate of 85 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 15th, 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. *Hullless* 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 19th.

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

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