

2012 WSU Variety Testing Barley Trial, Fairfield

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.
2Ab04-X01084-27	--	--	3860	4290	53.1	12.6	29
CDC Meredith	--	--	3830	4270	52.7	12.1	33
CDC Copeland	--	--	3740	4180	52.6	12.1	35
2004NZ163	--	--	3650	4170	54.2	13.3	27
07WA-682.1	--	--	3790	4160	54.2	12.8	33
08WA-109.17	--	--		4080	53.5	13.2	31
08WA-137.6	--	--		4040	53.7	13.0	29
Champion	--	--	3660	4040	54.3	12.6	31
05WA-316.K	--	--	3750	4030	53.7	12.8	28
05WA-316.99	--	--	3380	4010	53.1	13.2	31
Bentley	--	--	3530	4010	52.5	12.5	31
Lenetah	--	--	3670	3990	53.6	13.1	27
2004NZ151	--	--	3460	3960	54.0	13.0	27
Radiant	--	--	3530	3940	52.8	12.7	30
08WA-140.11	--	--		3870	54.0	12.7	31
07WA-614.4	--	--	3350	3860	52.9	13.7	29
Bob	--	--	3320	3830	53.4	14.6	27
LSC LN09-0920	--	--		3820	52.9	13.6	26
Harrington	--	--	3440	3780	53.7	13.5	32
2004NZ170	--	--	3230	3690	53.4	13.6	26
08WA-107.8	--	--		3660	54.2	13.1	30
06WA-412.4	--	--		3600	54.2	13.5	28
07WA-601.6	--	--	3090	3480	53.4	14.1	28
<i>X05056-T211</i>	--	--		3420	59.4	15.2	30
X05013-T267	--	--		3420	52.0	15.8	27
Baronesse	--	--	3090	3350	52.7	13.6	28
<i>09WA-265.14</i>	--	--		3330	61.8	13.6	33
08WA-118.12	--	--		3230	52.3	14.0	29
<i>2Ab09-X06F058HL-23</i>	--	--		2750	57.3	15.9	29
<i>Meresse</i>	--	--	2220	2730	58.8	16.9	29
C.V. %	--	--	8	8	1.2	3.6	8
LSD (.10)	--	--	210	300	0.7	0.5	2
Average	--	--	3450	3770	54.2	13.6	29
Highest	--	--	3860	4290	61.8	16.9	35
Lowest	--	--	2220	2730	52.0	12.1	26

Fairfield Spring Barley – Preliminary Data

1. Grain yield in the Fairfield spring barley trial averaged 3780 lbs/acre. The Fairfield nursery was located about three miles northwest of Fairfield, WA (I. Green, cooperator).
2. This nursery was seeded on 21 April, 2012 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 95 lbs N/acre and a soil test showed 90 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2730 lbs/acre to 4290 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 30 entries are in this top group. 'CDC Meredith' was the highest yielding named variety and was also the highest yielding over 2 years at this location. All entries were 2-row and hulless entries are listed in italics.
4. Test weights were very good with an average of 54.2 lbs/bu and ranged from 52.0 to 61.8 lbs/bu with the highest values produced by hulless cultivars. Grain protein was very high and averaged 13.6%. Average plant height was 29 inches.