

2014 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)	2014						
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht	Head Date	Plump (%)	Lodging (%)
LCS-Genie	--			4470	51.2	12.3	30	183	96	0
Champion	--	4140	4180	4390	52.4	12.7	31	181	94	0
09WA-203.21	--			4270	51.8	12.6	31	183	95	0
09WA-228.13	--		4030	4250	52.4	12.8	33	184	95	0
10WA-105.33	--			4180	51.3	13.8	27	182	96	0
LCS-Odyssey	--			4130	49.4	12.5	27	184	96	0
09WA-203.36	--			4050	52.4	12.6	29	183	96	0
Lenetah	--	3940	3910	4050	51.6	12.7	29	183	95	0
RWA 1758	--			3980	51.6	13.8	30	182	93	0
10WA-113.12	--			3950	50.2	12.4	31	184	94	0
2008NZ004	--		3730	3940	50.6	13.2	37	182	92	0
10WA-106.18	--			3930	51.7	12.6	31	184	93	0
09WA-203.24	--		3850	3910	51.4	12.7	29	183	94	0
Lyon (05WA-316.K)	--	3930	3870	3900	51.1	13.0	28	182	93	0
10WA-113.16	--			3890	50.6	12.4	29	183	94	13
CDC Meredith	--	3990	3840	3810	48.2	13.1	34	185	91	17
X06G03-T148	--			3780	52.6	14.1	33	184	91	0
2Ab07-X04M219-46	--			3730	46.9	14.3	32	188	89	0
CDC Copeland	--	4000	3900	3700	49.8	12.3	35	186	94	0
LCS-Lamari	--			3700	51.7	12.7	28	181	88	0
2Ab07-X031098-31	--		3660	3670	50.9	14.1	33	186	92	0
2AB09X06F084-51	--			3670	49.5	14.8	34	186	91	0
Harrington	--	3680	3630	3660	50.1	13.6	34	185	93	0
AC Metcalfe	--		3420	3620	51.2	14.4	36	183	94	0
2008NZ006	--			3580	49.4	14.0	34	183	92	0
LCS-Overture	--		3600	3550	50.1	12.7	28	187	97	0
2008NZ013	--		3670	3540	49.2	13.6	32	183	91	0
Salute	--			3460	50.6	14.6	29	183	96	0
Bob	--	3670	3580	3440	51.3	14.5	29	181	94	0
LCS-Vespa (LCS LN09-0920)	--	3720	3660	3420	50.5	13.5	27	186	96	0
2Ab04-X01084-27	--	3780	3530	3410	49.9	12.9	30	184	95	0
Baronesse	--	3540	3640	3380	51.2	13.8	29	186	95	0
Tradition	--		3290	3300	50.4	13.2	34	181	93	0
Muir (07WA-601.6)	--	3500	3510	3240	50.5	14.6	31	185	96	0
<i>09WA-265.5</i>	--		3280	3240	55.8	14.0	30	186	84	10
<i>09WA-265.12</i>	--			3110	57.7	13.8	35	187	84	0
<i>X05013-T1</i>	--		2840	2900	56.4	15.5	33	186	90	0
<i>X07G30-T131</i>	--			2820	57.0	15.3	35	187	93	0
<i>Meresse</i>	--	2760	2770	2820	53.8	16.0	31	183	89	0
<i>X0626-T229</i>	--			2760	54.7	16.0	30	184	84	0
<i>X06G07-T43</i>	--		2790	2700	49.2	15.9	27	188	89	0
2Ab09-X06F058HL-31	--			2600	54.0	15.8	30	185	93	0
C.V. %	--	10	11	12	1.5	3.8	7	1	2	646
LSD (.10)	--	220	290	460	0.8	0.6	2	1	2	6
Average	--	3720	3570	3620	51.5	13.7	31	184	93	1
Highest	--	4140	4180	4470	57.7	16.0	37	188	97	17
Lowest	--	2760	2770	2600	46.9	12.3	27	181	84	0

Fairfield Spring Barley

1. Grain yield in the 2014 Fairfield spring barley trial averaged 3620 lbs/acre, slightly below the 3-year average for this location. The Fairfield nursery was located about four miles northwest of Fairfield, WA (L. Green, cooperator).
2. This nursery was seeded on 2 May, 2014 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill set on 12-inch spacing using cross-slot openers. Base fertilizer was 80#N/acre and a spring soil test showed 79#/acre of soil available N. Spring seeding conditions and establishment were good but late planted due to high soil moisture, and this trial, although late, was not as water limited as most other barley trials.
3. Yields ranged from 2600 lbs/acre to 4470 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 42 entries are in this top group. 'LCS-Genie' was the highest yielding entry and 'Champion' was the highest yielding in the 3-year summary. Hulless entries are listed in italics.
4. Test weights averaged 51.5 lbs/bu and ranged from 46.9 to 57.7 lbs/bu with the highest values produced by hulless cultivars. Plump grain averaged 93% and ranged from 84% to 97%. Grain protein averaged 13.7% Plant height averaged 31 inches with minor lodging by a few entries.