

2014 WSU Variety Testing Barley Trial, Dayton

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 (%)
09WA-203.21				3830	52.4	12.2	26	163	85
Champion	4580	4300	4230	3750	54.0	12.6	27	162	89
09WA-203.36				3720	51.9	12.0	24	162	76
10WA-106.18				3710	53.3	12.1	26	161	79
Lenetah	4810	4400	4220	3620	53.2	12.4	27	162	92
LCS-Vespa (LCS LN09-0920)		4250	3970	3600	51.9	12.5	23	161	91
10WA-105.33				3480	52.3	14.0	23	160	91
Bob	4080	3950	3780	3440	53.0	13.4	24	159	92
RWA 1758				3430	52.1	13.0	24	160	85
09WA-228.13			4020	3400	53.1	12.9	28	164	82
LCS-Overture			3770	3380	51.8	12.5	22	165	91
Muir (07WA-601.6)		3890	3700	3380	51.2	12.9	27	161	86
10WA-113.12				3330	51.6	12.2	24	164	91
09WA-203.24			3880	3300	52.0	12.7	23	162	83
LCS-Odyssey				3300	52.1	12.3	22	165	94
2Ab04-X01084-27		3850	3770	3290	49.7	13.5	24	162	84
Baronesse	4290	3900	3700	3280	51.0	13.2	25	163	80
LCS-Genie				3260	52.2	12.3	23	162	93
CDC Meredith	4220	3960	3760	3250	50.4	12.7	27	165	85
CDC Copeland	3800	3610	3450	3170	49.7	12.9	27	165	71
2Ab07-X031098-31			3750	3160	50.3	13.7	29	164	75
Salute				3130	52.2	13.7	23	164	91
2Ab07-X04M219-46				3070	45.8	14.4	28	166	55
2AB09X06F084-51				3050	49.6	14.0	27	165	75
X06G03-T148				3030	52.3	14.0	26	162	78
2008NZ006				3000	51.1	14.5	29	164	89
LCS-Lamari				2900	53.1	12.6	20	159	82
<i>09WA-265.5</i>			3200	2880	57.8	13.4	26	166	63
Lyon (05WA-316.K)	4580	3910	3570	2870	52.2	13.3	24	159	87
Harrington	3640	3360	3170	2860	51.2	13.6	28	163	80
2Ab09-X06F058HL-31				2790	52.3	15.1	25	165	76
10WA-113.16				2790	51.4	12.2	23	161	88
2008NZ013			3030	2780	50.7	14.7	29	165	84
<i>09WA-265.12</i>				2750	56.6	13.6	26	165	56
<i>Meresse</i>	3580	3120	2900	2740	54.5	15.6	26	162	76
2008NZ004			3000	2680	51.2	14.3	28	162	90
<i>X05013-T1</i>			2890	2660	56.6	14.9	21	165	77
AC Metcalfe			3170	2650	52.9	13.9	26	164	88
<i>X07G30-T131</i>				2530	53.9	14.9	28	162	76
<i>X06G07-T43</i>			2780	2430	48.6	15.6	20	165	71
<i>X0626-T229</i>				2430	56.5	15.5	27	163	66
Tradition			2930	2420	51.6	13.2	28	162	84
C.V. %	8	8	8	9	1.5	3.2	2	1	5
LSD (.10)	150	160	190	300	0.8	0.4	1	1	5
Average	4180	3870	3510	3110	52.2	13.5	25	163	82
Highest	4810	4400	4230	3830	57.8	15.6	29	166	94
Lowest	3580	3120	2780	2420	45.8	12.0	20	159	55

Dayton Spring Barley

1. Grain yield in the 2014 Dayton spring barley trial averaged 3110 lbs/acre, lower than the 5 year average at this location. The Dayton nursery was located about six miles northwest of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 9 April, 2014 following winter wheat. Seed was placed at a 90#/acre seeding rate using a plot drill set on 7-inch spacing. Base fertilizer was 146#N/acre and a spring soil test showed 74#/acre of soil available N. Spring seeding conditions and establishment were good, but available water was limiting.
3. Yields ranged from 2420 lbs/acre to 3830 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 42 entries are in this top group. 'Champion' was the highest yielding named variety and 'Lenetah' was the highest yielding over 5 years at this location. Hulless entries are listed in italics.
4. Test weights averaged 52.2 lbs/bu and ranged from 45.8 to 57.8 lbs/bu with the highest values produced by hulless cultivars. Plump grain averaged 82% and ranged from 55% to 94%. Plant height averaged 25 inches with no lodging.