

2013 WSU Variety Testing Barley Trial, Dayton

Variety Name <i>*Hullless Italicized</i>	5 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	2013					
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht	Plump (%)	Head Date
Lenetah	4740	5000	4790	4830	52.7	13.2	25	97	168
Champion	4420	4660	4570	4700	53.1	13.6	28	92	167
09WA-228.13				4640	52.8	13.6	27	94	163
09WA-203.24				4460	52.5	14.0	27	96	167
07WA-682.1		4810	4460	4390	52.5	12.9	29	95	168
09WA-203.26				4360	52.6	14.3	29	93	165
09WA-249.9				4340	51.2	14.4	27	95	167
Vespa (LSC LN09-0920)			4570	4330	50.9	14.0	24	95	170
2Ab07-X031098-31				4330	51.5	14.3	27	91	167
Odyssey				4290	50.5	13.5	23	97	168
CDC Meredith		4580	4320	4280	49.8	13.6	26	92	167
Lyon (05WA-316.K)	4590	4840	4430	4270	51.4	14.1	24	93	166
2Ab07-X01084-27				4250	49.4	14.7	23	92	168
Overature				4170	51.6	13.5	24	97	168
Genie				4130	51.4	13.7	23	96	168
Baronesse	4270	4540	4210	4120	51.0	14.2	26	93	168
Bob	4060	4210	4200	4110	52.2	13.8	26	95	167
Muir (07WA-601.6)		4490	4150	4030	51.4	13.7	27	94	167
2Ab07-X04M219-46				3980	48.8	14.1	27	88	168
2004NZ163		4340	4010	3960	52.8	14.4	23	92	169
CDC Copeland	3600	4220	3830	3740	50.1	13.5	30	92	163
AC Metcalfe				3700	51.6	14.9	28	94	166
<i>09WA-265.5</i>				3520	60.4	14.2	28	71	168
Harrington	3550	3870	3600	3470	50.5	14.6	27	92	168
Tradition				3440	51.0	14.0	29	90	165
09WA-231.5				3380	57.4	15.6	25	81	167
2008NZ004				3320	50.8	14.8	29	92	162
2008NZ013				3270	50.6	14.5	30	92	165
<i>X07G19-T270</i>				3200	59.7	15.6	28	66	167
<i>X05013-T1</i>				3130	60.0	16.0	28	86	168
<i>X06G07-T43</i>				3120	54.4	16.5	21	76	170
<i>Meresse</i>	3420	3460	3300	3070	58.0	16.3	24	74	168
<i>2Ab09-X06F052HL-28</i>				2970	58.7	17.6	27	92	167
<i>2Ab09-X06F058HL-182</i>				2720	57.8	17.9	26	88	167
<i>2Ab09-X06F087HL-170</i>				2680	59.1	17.2	27	78	166
07MBR1				2670	50.1	16.4	24	96	170
C.V. %	8	7	7	6	0.9	4.3	6	2	0
LSD (.10)	150	180	200	240	0.5	0.7	2	2	1
Average	4030	4410	4190	3820	53.1	14.6	26	90	167
Highest	4740	5000	4790	4830	60.4	17.9	30	97	170
Lowest	3420	3460	3300	2670	48.8	12.9	21	66	162

Dayton Spring Barley – Preliminary Data

1. Grain yield in the 2013 Dayton spring barley trial averaged 3820 lbs/acre, 201 lbs/acre less than the 5 year average at this location. The Dayton nursery was located 6 miles northwest of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 2 April, 2013 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a plot drill equipped with double disk openers set on 6-inch spacing. Base applied fertilizer was 169 lbs N/acre. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2670 lbs/acre to 4830 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 36 entries are in this top group. 'Lenetah' was the highest yielding named variety and was also the highest yielding over 5 years at this location. All entries were 2-row and hulless entries are listed in italics.
4. Test weights averaged 53.1 lbs/bu and ranged from 48.8 to 60.4 lbs/bu with the highest values produced by hulless cultivars. Grain protein averaged 14.6% and plant height averaged 26 inches with no lodging.