

2012 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)	2012			
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht.
LSC LN09-0920				4800	52.6	13.1	27
Lenetah	4400	5210	5090	4750	53.5	12.4	31
05WA-316.K		5260	5130	4600	52.0	13.3	28
2004NZ170			4860	4590	51.5	13.1	25
07WA-682.1			5020	4530	52.7	12.8	31
Champion	4150	4820	4630	4430	53.2	12.6	30
05WA-316.99		4650	4360	4400	50.7	13.0	30
07WA-614.4			4930	4400	51.0	13.6	30
CDC Meredith		4520	4730	4360	51.3	13.5	27
08WA-107.8				4290	53.1	12.7	31
Baronesse	4050	4680	4750	4290	51.0	13.4	31
Bob	3820	4280	4250	4290	52.8	13.6	28
07WA-601.6			4720	4270	50.9	13.4	30
06WA-412.4		5010		4240	52.3	13.6	27
Radiant	4070	4650	4600	4240	51.8	12.8	31
2004NZ151	4300	4780	4580	4240	50.6	13.2	27
08WA-140.11				4200	52.0	13.2	28
08WA-118.12				4190	52.6	13.7	28
08WA-137.6				4100	51.4	13.2	27
2004NZ163	4560	5000	4530	4050	52.3	13.7	26
2Ab04-X01084-27			4430	4030	48.2	13.8	29
08WA-109.17				3970	51.2	13.5	30
CDC Copeland	3380	4030	4460	3920	51.2	13.0	34
X05013-T267				3920	51.8	14.9	27
Bentley		4110	4380	3880	49.6	13.8	34
Harrington	3400	3950	4070	3740	51.9	13.3	29
<i>X05056-T211</i>				3690	58.4	15.2	27
<i>Meresse</i>	3270	4020	3660	3540	59.8	16.0	27
<i>09WA-265.14</i>				3380	61.0	13.6	29
<i>2Ab09-X06F058HL-23</i>				2940	59.6	15.7	30
C.V. %	8	8	8	7	1.4	2.4	7
LSD (.10)	150	210	250	320	0.8	0.4	2
Average	3940	4600	4590	4140	52.7	13.6	29
Highest	4560	5260	5130	4800	61.0	16.0	34
Lowest	3270	3950	3660	2940	48.2	12.4	25

Dayton Spring Barley – Preliminary Data

1. Grain yield in the Dayton spring barley trial averaged 4140 lbs/acre, 200 lbs/acre higher than the 5-year average at this location. The Dayton nursery was located about six miles northwest of Dayton, WA (J. Penner, cooperator).
2. This nursery was seeded on 1 May, 2012 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Base applied fertilizer was 142 lbs N/acre and a soil test showed 66 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2940 lbs/acre to 4800 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 30 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 were good with an average of 52.7 lbs/bu and ranged from 48.2 to 61.0 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.