

2012 WSU Variety Testing Barley Trial, Farmington

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 (%)	Plump (%)	Plant Ht.	Head Date
2004NZ163	5130	5410	4320	4820	53.8	13.0	93	27	192
05WA-316.K		5520	4500	4770	51.8	13.1	94	28	189
07WA-601.6			4290	4580	52.0	13.0	94	26	190
<i>Champion</i>	5440	5300	4170	4490	53.0	12.1	95	30	188
<i>LSC LN09-0920</i>				4380	52.8	13.0	94	26	189
2004NZ151	4940	5240	4140	4370	53.5	12.3	96	25	189
2004NZ170			4080	4200	52.9	11.9	95	24	190
05WA-316.99		5510	4370	4190	51.9	12.4	94	28	191
07WA-614.4			4060	4050	51.7	13.6	96	30	193
07WA-682.1			4390	3970	52.9	12.3	93	27	193
06WA-412.4		5720		3890	52.9	12.7	96	27	190
<i>Lenetah</i>	4810	4900	3820	3850	53.0	13.2	94	26	193
<i>CDC Copeland</i>	4760	4830	3970	3840	50.2	13.5	91	29	195
<i>Baronesse</i>	5050	5120	4290	3780	51.5	14.1	94	27	191
08WA-140.11				3730	52.4	12.6	93	27	189
<i>Radiant</i>	4910	5030	3960	3710	51.2	12.9	90	26	190
<i>Harrington</i>	4770	4610	3870	3680	51.8	13.5	93	29	191
2Ab04-X01084-27			4120	3680	50.5	13.5	94	26	192
<i>Bob</i>	4660	4770	3790	3670	52.7	13.4	94	26	188
08WA-137.6				3650	51.5	12.8	95	29	190
<i>CDC Meredith</i>		4800	3900	3550	50.0	13.2	92	28	191
08WA-118.12				3490	51.8	14.2	94	27	189
08WA-109.17				3260	51.1	14.4	92	27	192
X05013-T267				2910	50.5	15.1	94	26	190
<i>Meresse</i>	3620	3830	2730	2840	58.7	16.6	80	27	189
<i>09WA-265.14</i>				2770	61.8	14.5	75	25	193
<i>X05056-T211</i>				2750	59.7	15.4	73	23	189
<i>2Ab09-X06F058HL-23</i>				2520	60.7	16.7	82	29	195
08WA-107.8				2370	51.9	14.9	93	28	191
Bentley		3610	2660	2300	50.0	15.2	90	24	192
C.V. %	9	10	10	10	1.2	5.6	2	6	1
LSD (.10)	200	270	300	380	0.7	0.8	2	2	1
Average	4810	4950	3970	3670	53.0	13.6	91	27	191
Highest	5440	5720	4500	4820	61.8	16.7	96	30	195
Lowest	3620	3610	2660	2300	50.0	11.9	73	23	188

Farmington Spring Barley

1. Grain yield in the Farmington spring barley trial averaged 3670 lbs/acre, 1140 lbs/acre less than the 5 year average at this location. The Farmington trial was located about seven miles south Farmington, WA (B. Nelson, cooperator).
2. This nursery was seeded on 11 May, 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 120 lbs N/acre and a soil test showed 94 lbs N/acre available. Spring seeding and establishment conditions were favorable. Fungicide was applied on 18 June for rust control and there were notable late season stem rust symptoms on barley in this trial.
3. Yields ranged from 2300 lbs/acre to 4820 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 30 entries are in this top group. 'Champion' 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 53.0 lbs/bu and ranged from 50.0 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 27 inches with no lodging.