

2013 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)	2013						
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht	Lodging (%)	Head Date	Plump (%)
Champion	5840	4910	5440	6390	52.0	12.4	39	5	175	94
Tradition				6310	50.4	13.0	42	3	182	96
Genie				6300	50.8	12.0	33	33	177	96
09WA-228.13				6290	51.7	12.4	38	17	181	90
Lyon (05WA-316.K)	5680	5030	5420	6080	49.2	12.8	34	60	176	88
2004NZ163		4860	5380	5940	51.2	12.6	32	5	176	89
09WA-249.9				5930	50.6	12.9	37	2	181	95
09WA-203.24				5930	49.9	12.6	36	27	182	91
07WA-682.1		4890	4930	5890	50.1	12.3	39	58	176	92
Odyssey				5800	48.3	12.0	33	37	178	94
Lenetah	5420	4450	4780	5710	50.8	12.0	34	32	181	91
Baronesse	5480	4750	4730	5680	50.6	12.6	37	10	182	90
CDC Copeland	5250	4530	4750	5650	47.2	13.1	40	18	182	87
Vespa (LSC LN09-0920)			5000	5620	48.6	12.9	31	3	178	88
09WA-203.26				5620	51.4	12.5	36	23	175	92
2Ab07-X01084-27				5600	47.2	13.0	38	27	176	89
Bob	5070	4380	4620	5580	51.1	13.1	40	62	180	92
Muir (07WA-601.6)		4720	5070	5570	50.7	12.8	37	35	174	91
Overature				5560	47.0	12.3	31	33	178	95
2008NZ004				5460	49.0	13.5	40	30	181	93
CDC Meredith		4420	4510	5460	46.6	12.7	35	62	178	88
2008NZ013				5360	48.9	13.7	41	35	181	91
AC Metcalfe				5340	49.9	13.7	39	33	182	92
2Ab07-X031098-31				5130	49.7	13.8	36	8	178	93
Harrington	4980	4250	4350	5020	48.8	13.4	39	38	176	92
2Ab07-X04M219-46				4890	45.9	13.2	33	30	177	87
<i>09WA-265.5</i>				4800	55.4	13.7	37	55	176	70
<i>X06G07-T43</i>				4700	48.8	14.6	31	3	177	72
09WA-231.5				4670	53.3	14.9	36	42	181	81
07MBR1				4300	50.1	15.4	32	0	170	96
<i>X05013-T1</i>				4060	57.2	15.1	36	7	177	81
<i>X07G19-T270</i>				3880	57.2	14.7	35	5	180	55
<i>Meresse</i>	3850	3110	3350	3860	55.2	15.5	36	30	175	75
<i>2Ab09-X06F058HL-182</i>				3680	54.1	17.3	34	0	179	85
<i>2Ab09-X06F087HL-170</i>				2990	56.8	17.7	37	0	181	81
<i>2Ab09-X06F052HL-28</i>				2850	55.7	17.9	36	13	177	91
C.V. %	8	8	7	7	2.4	2.9	5	97	0	4
LSD (.10)	190	230	260	370	1.3	0.4	2	25	1	4
Average	5190	4530	4800	5220	50.9	13.6	36	24	178	88
Highest	5840	5030	5440	6390	57.2	17.9	42	62	182	96
Lowest	3850	3110	3350	2850	45.9	12.0	31	0	170	55

Farmington Spring Barley – Preliminary Data

1. Grain yield in the 2013 Farmington spring barley trial averaged 5220 lbs/acre, equivalent to the 5 year average at this location. The Farmington nursery was located 1 mile south of Farmington, WA (B. Nelson, cooperator).
2. This nursery was seeded on 18 April, 2013 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a no till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 95 lbs N/acre and 50 lbs N/acre was applied through the drill. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2850 lbs/acre to 6390 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 36 entries are in this top group. 'Champion' was the highest yielding named variety and 'Champion' was 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 50.9 lbs/bu and ranged from 45.9 to 57.2 lbs/bu with the highest values produced by hulless cultivars. Grain protein averaged 13.6% and plant height averaged 36 inches. Lodging was differential among varieties and averaged 24%.