

2013 WSU Variety Testing Barley Trial, St. John

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	Head Date	Plump (%)
CDC Copeland	4850	5190	4980	5720	49.9	12.0	38	179	91
Genie				5530	51.1	11.5	29	177	97
Vespa (LSC LN09-0920)			4860	5520	50.9	12.1	28	177	95
09WA-203.24				5510	50.7	11.7	33	175	94
Overature				5370	50.4	10.3	29	180	97
Lyon (05WA-316.K)	5110	5330	4850	5290	50.9	12.3	31	175	94
2Ab07-X01084-27				5290	49.4	12.0	33	175	92
Baronesse	4950	5260	4880	5280	51.2	11.5	32	177	93
09WA-203.26				5250	52.0	11.7	35	176	90
Champion	5120	5330	4700	5240	52.3	10.7	36	175	95
09WA-228.13				5230	52.1	11.9	34	177	94
Muir (07WA-601.6)		5090	4530	5190	50.6	11.8	34	178	94
Odyssey				5120	49.8	11.3	29	179	97
09WA-249.9				5100	51.0	12.2	36	176	94
2004NZ163		5240	4760	5080	51.6	11.2	26	178	92
AC Metcalfe				5030	51.2	12.3	36	176	94
07WA-682.1		5190	4590	4990	51.3	11.4	35	180	93
Lenetah	5090	5190	4690	4890	50.9	10.7	32	186	92
Bob	4630	4610	4390	4860	51.8	11.4	33	175	95
2Ab07-X031098-31				4790	50.1	11.9	35	178	90
CDC Meredith		4810	4450	4700	49.2	11.7	34	178	95
<i>09WA-265.5</i>				4620	56.3	11.9	32	178	72
Harrington	4570	4770	4330	4610	51.3	12.5	35	177	92
09WA-231.5				4600	54.3	14.0	32	174	89
2Ab07-X04M219-46				4470	46.9	13.1	38	171	83
<i>X07G19-T270</i>				4440	57.5	11.5	32	179	66
2008NZ013				4410	48.5	12.6	37	176	93
<i>X05013-T1</i>				4380	54.8	13.5	33	178	83
2008NZ004				4270	48.5	12.3	36	175	95
Tradition				4090	49.5	12.2	34	176	93
<i>X06G07-T43</i>				3990	51.0	13.7	25	178	78
<i>2Ab09-X06F052HL-28</i>				3790	52.3	16.0	33	176	93
Meresse	3640	3650	3490	3640	54.3	14.4	28	176	80
<i>2Ab09-X06F058HL-182</i>				3600	53.5	14.5	34	171	81
<i>2Ab09-X06F087HL-170</i>				3580	54.8	14.5	33	178	85
07MBR1				2600	49.6	15.3	28	180	95
C.V. %	9	10	9	9	1.9	8.0	5	0	4
LSD (.10)	200	290	300	460	1.1	1.0	2	1	4
Average	4740	5000	4580	4720	51.4	12.4	33	177	90
Highest	5120	5380	4980	5720	57.5	16.0	38	186	97
Lowest	3640	3650	3490	2600	46.9	10.3	25	171	66

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C.V. %	9	10	9	9	1.9	8.0	5	0
LSD (.10)	200	290	300	460	1.1	1.0	2	1
Average	4740	5000	4580	4720	51.4	12.4	33	177
Highest	5120	5380	4980	5720	57.5	16.0	38	186
Lowest	3640	3650	3490	2600	46.9	10.3	25	171

St. John Spring Barley – Preliminary Data

1. Grain yield in the 2013 St. John spring barley trial averaged 4720 lbs/acre, equivalent to the 5 year average at this location. The St John nursery was located 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 9 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 70 lbs N/acre and a soil test showed 79 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2600 lbs/acre to 5720 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 36 entries are in this top group. 'CDC Copeland' 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 51.4 lbs/bu and ranged from 46.9 to 57.5 lbs/bu with the highest values produced by hulless cultivars. Grain protein averaged 12.4% and plant height averaged 33 inches and there was no lodging.