

2011 WSU Variety Testing Barley Trial, Bickleton

Variety Name <i>*Hulless Italicized</i>	5 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	2011				
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plump (%)	Plant Ht.
CDC Copeland	--	1890	2040	1490	49.9	12.6	91	21
07WA-614.4	--			1480	49.3	13.2	84	20
07WA-601.6	--			1460	50.1	13.1	81	21
Meresse	--	1890	2000	1460	55.5	14.2	66	18
WAS 2	--		2140	1450	51.3	12.7	87	20
07WA-682.1	--			1430	51.2	13.3	85	18
Bentley	--		2170	1420	49.0	13.1	83	20
Champion	--	2250	2400	1400	51.0	13.3	87	20
2004NZ170	--	1330		1390	51.0	13.6	88	17
Newdale	--			1370	49.8	13.6	71	18
Lenetah	--	1920	2120	1310	51.0	14.1	87	18
Tetonia	--	1890	2070	1310	50.2	12.1	71	19
2004NZ151	--		1890	1300	51.8	14.0	80	18
07WA-630.19	--			1290	51.5	13.8	88	17
04WA-113.22	--	1870	2070	1280	50.6	14.0	82	17
07WA-658.8	--			1240	49.2	13.1	82	20
Bob	--	1880	2080	1220	49.9	13.7	87	18
05WA-316.99	--	2000	2110	1200	49.5	12.9	87	17
06WA-458.14	--		2060	1190	49.3	14.3	72	18
Harrington	--	1810	1960	1180	49.5	13.6	82	19
07WA-684.17	--			1170	49.7	12.6	75	16
Spaulding	--	2020	2020	1160	52.0	12.2	87	19
AC Metcalfe	--	1700	1850	1160	49.5	13.3	87	18
2004NZ223	--	1260		1100	51.0	13.1	85	19
07WA-677.1	--			1050	50.7	12.4	76	17
2004NZ163	--		1860	1050	51.6	14.1	72	19
05WA-316.K	--	1870	2000	1030	50.7	13.2	84	17
CDC Meredith	--		1870	1030	49.1	13.5	77	17
07MB-390	--		1910	1010	49.5	14.2	80	17
WAS 4	--		1740	1000	56.9	12.6	61	18
Radiant	--	1840	1890	1000	50.2	12.9	69	17
2Ab17271	--			990	49.7	13.8	74	18
07WA-649.7	--			980	51.5	13.4	87	21
Clearwater	--	1680	1720	910	56.5	12.9	66	19
Baronesse	--	1740	1840	880	49.2	14.0	79	17
2Ab04-X01084-27	--			860	47.8	12.7	79	17
C.V.	--	25	22	31	2.0	4.6	9	9
LSD	--	190	240	N.S. ¹	1.1	0.6	8	2
Average	--	1810	1990	1200	50.7	13.3	80	18
Highest	--	2250	2400	1490	56.9	14.3	91	21
Lowest	--	1260	1720	860	47.8	12.1	61	16

¹-No Significant Difference

Bickleton Spring Barley - Preliminary Data

1. Grain yield in the Bickleton spring barley trial averaged 1200 pounds/acre, 610 pounds/acre less than the three year average at this site. The Bickleton nursery was located about four miles east of Bickleton, WA (Steve Matsen, cooperator).
2. This nursery was seeded on 12 May, 2011 following spring wheat. Seed was placed at an 80#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 30#N/acre. Spring seeding was delayed due to high moisture and cold temperatures, but spring growing conditions were mostly favorable.
3. Yields ranged from 870 lb/acre to 1490 lb/acre. Yields were not significant due to high variability and generally poor site conditions. CDC Copeland was the highest yielding named variety and Champion was the highest yielding over 3 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 50.7 lb/bu and ranged from 47.8 to 56.9 lb/bu with the high values produced by hulless cultivars. Grain protein averaged 13.3%, grain plumpness averaged 80%, and the average plant height was 18 inches.