

2011 WSU Variety Testing Barley Trial, Pullman

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 (%)	H.Date (Julian)
07WA-614.4				5740	51.0	9.5	95	187
2004NZ151			5840	5720	54.5	9.4	96	186
AC Metcalfe	4710	4800	5060	5620	53.6	8.9	95	186
07WA-677.1				5580	53.4	9.3	95	185
Radiant	4820	4980	5030	5470	54.1	9.3	93	186
07WA-630.19				5450	53.0	9.8	97	186
Clearwater		4570	4690	5390	56.1	8.1	84	185
Champion	5270	5140	5200	5370	54.0	8.6	93	186
07WA-684.17				5320	55.7	9.0	92	185
2004NZ170		5180		5270	52.7	9.9	95	185
07WA-682.1				5250	53.3	8.8	95	185
2004NZ163			5770	5180	57.0	9.0	91	186
05WA-316.K		5300	5380	5140	53.9	8.1	97	186
07MB-390			5050	5060	54.7	9.7	92	186
CDC Meredith			4950	5040	53.0	8.9	95	187
07WA-649.7				5030	53.9	8.8	92	185
Bentley			4910	5000	52.0	8.3	95	186
07WA-601.6				4940	53.2	8.3	94	185
Baronesse	5030	5110	5190	4870	53.3	8.6	92	186
Bob	5060	5210	5420	4860	53.8	8.5	91	186
2Ab04-X01084-27				4810	53.3	8.6	97	186
Harrington	4770	4880	4760	4770	52.3	9.1	96	186
04WA-113.22		5100	5090	4580	53.5	9.6	95	186
Spaulding	4910	4830	4510	4550	53.4	9.2	96	185
Tetonia		4460	4460	4500	55.0	8.6	84	186
06WA-458.14			4730	4490	54.7	7.9	97	185
WAS 4			4660	4450	58.8	9.0	78	186
2004NZ223		4600		4450	52.9	9.1	96	187
Lenetah		5590	5540	4410	54.4	8.9	97	186
Newdale				4400	52.3	9.3	91	188
CDC Copeland		4700	4600	4390	51.3	8.6	97	186
WAS 2			5080	4170	53.1	9.7	96	187
05WA-316.99		4770	4670	4160	55.2	9.5	86	186
2Ab17271				4140	51.1	9.0	89	186
07WA-658.8				4130	53.5	8.8	93	186
Meresse	4420	4480	4850	3990	54.8	9.4	87	186
C.V.	18	15	13	11	3.3	4.4	7	1
LSD	230	320	410	580	1.9	0.4	7	1
Average	4870	4920	5020	4880	53.8	9.0	93	186
Highest	5270	5590	5840	5740	58.8	9.9	97	188
Lowest	4420	4460	4460	3990	51.0	7.9	78	185

Pullman Spring Barley - Preliminary Data

1. Grain yield in the Pullman spring barley trial averaged 4880 pounds/acre and was equivalent to the 5-year average. The Pullman nursery was located about two miles south of Pullman, WA on the Spillman Agronomy Farm (Ryan Davis, farm manager). This trial was conducted in cooperation with the WSU barley breeding program.
2. This nursery was seeded on 27 April, 2011 following winter wheat. Seed was placed at a 90#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 70#N/acre. Spring seeding and growing conditions were favorable.
3. Yields ranged from 3990 lb/acre to 5740 lb/acre. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 36 entries are in this top group. AC Metcalf 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. The Lattice design was 112% efficient compared to an RCBD for yield.
4. Test weights were very good with an average of 53.8 lb/bu and ranged from 51.0 to 58.8 lb/bu with the high values produced by hulless cultivars. Grain plumpness averaged 93%.