

2011 WSU Variety Testing Barley Trial, Lamont

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.	H.Date (Julian)
2004NZ151			5970	5930	54.3	11.0	97	30	170
07WA-682.1				5900	54.3	10.3	98	35	168
CDC Meredith			5800	5870	51.7	10.5	97	35	167
07WA-684.17				5870	53.1	10.8	97	32	167
07WA-601.6				5850	53.0	11.0	97	32	165
06WA-458.14			6340	5830	54.5	10.1	98	32	167
05WA-316.K		5210	5960	5760	52.6	10.5	98	31	167
2004NZ170		4240		5730	53.5	10.8	98	26	170
07WA-677.1				5720	53.9	10.6	96	31	168
Baronesse	3940	5130	5960	5700	53.0	11.2	97	32	167
07WA-614.4				5680	51.2	11.1	97	32	168
2004NZ163			5930	5650	54.3	10.9	98	29	171
Champion	4100	5350	6080	5640	54.7	11.0	97	35	166
Radiant	3970	5280	6140	5620	53.3	9.9	94	34	167
07WA-649.7				5610	54.5	10.5	98	34	167
2Ab17271				5590	52.5	11.0	96	34	171
Spaulding	3600	4680	5540	5590	54.8	10.7	98	32	166
05WA-316.99		5190	6310	5590	52.4	10.9	98	32	168
Lenetah		5020	5890	5520	54.2	10.6	98	34	169
Tetonia		5410	6360	5460	53.3	10.2	96	31	167
AC Metcalfe	3510	4740	5660	5440	53.3	11.2	98	38	166
2Ab04-X01084-27				5400	52.1	11.3	97	31	167
04WA-113.22		5030	5780	5400	53.3	11.8	98	33	166
Bob	3740	4830	5690	5320	53.9	11.9	98	33	168
CDC Copeland		4920	5870	5300	51.8	11.5	98	36	168
Bentley			5410	5290	52.2	10.5	98	39	166
07WA-658.8				5220	53.3	11.4	96	33	165
07WA-630.19				5150	53.6	11.6	98	34	166
Harrington	3570	4820	5610	5070	53.3	11.5	98	33	168
07MB-390			5490	4940	52.3	11.2	97	33	167
2004NZ223		4060		4940	54.0	10.7	98	27	171
Newdale				4860	52.4	10.9	97	34	167
Clearwater		4490	4970	4670	59.9	10.8	87	34	166
WAS 2			5230	4540	53.3	11.8	98	31	168
WAS 4			4800	4290	61.3	10.5	75	31	167
Meresse	2700	3560	4280	3940	58.6	12.5	76	31	166
C.V.	15	11	7	5	0.8	5.2	2	6	0
LSD	160	240	240	280	0.5	0.6	2	2	1
Average	3640	4820	5700	5390	53.8	11.0	96	33	167
Highest	4100	5410	6360	5930	61.3	12.5	98	39	171
Lowest	2700	3560	4280	3940	51.2	9.9	75	26	165

Lamont Spring Barley - Preliminary Data

1. Grain yield in the Lamont spring barley trial averaged 5390 pounds/acre and was 1750 pounds/acre higher than the 5-year average. The Lamont nursery was located about five miles southeast of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 18 April, 2011 following winter wheat. Seed was placed at an 80#/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 3940 lb/acre to 5930 lb/acre. Yield values within the LSD range of the highest yield are shown in bold and 11 of the 36 entries are in this top group. CDC Meredith 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 124% efficient compared to an RCBD for yield.
4. Test weights were very good with an average of 53.8 lb/bu and ranged from 51.2 to 61.3 lb/bu with the high values produced by hulless cultivars. Grain protein averaged 11.0%, grain plumpness averaged 96%, and the average plant height was 33 inches.