

2011 WSU Variety Testing Barley Trial, Reardan

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)	Lodging (%)
07WA-684.17	--			6240	55.3	11.6	94	33	185	10
Baronesse	--	5510	5930	6220	55.2	11.8	96	35	185	7
Champion	--	5710	6090	6220	56.3	11.7	97	37	184	0
Tetonia	--	5390	6050	6170	55.3	11.6	98	36	186	0
05WA-316.K	--	5480	5750	6130	54.8	11.8	97	33	184	0
Lenetah	--	5870	6090	6080	55.7	12.0	97	38	185	18
07WA-682.1	--			6080	55.0	12.1	95	39	186	62
Spaulding	--	5670	5920	6070	56.2	11.4	96	37	185	5
07WA-649.7	--			6060	56.2	11.7	98	37	184	8
2004NZ170	--	5370		6060	55.2	11.7	98	31	186	0
07WA-677.1	--			6000	56.2	11.4	96	36	185	3
07WA-601.6	--			5820	55.2	12.2	95	34	184	17
07WA-614.4	--			5810	53.6	12.4	94	36	185	0
CDC Meredith	--		5270	5760	53.2	11.9	95	37	186	63
05WA-316.99	--	5190	5500	5750	54.7	12.2	97	38	184	7
2004NZ163	--		5990	5740	56.0	12.5	97	31	187	0
2Ab17271	--			5730	53.5	11.1	94	38	188	2
06WA-458.14	--		5750	5720	54.5	12.4	93	35	185	27
07MB-390	--		5020	5690	54.8	12.3	94	38	184	7
2004NZ151	--		5660	5670	56.1	12.6	97	32	187	0
2Ab04-X01084-27	--			5660	53.4	12.1	92	35	185	10
Newdale	--			5640	54.8	12.5	97	38	186	0
07WA-658.8	--			5610	55.2	12.4	96	36	184	0
Bentley	--		4670	5590	54.0	12.1	97	42	186	23
AC Metcalfe	--	4640	4810	5530	55.1	12.6	96	39	185	43
07WA-630.19	--			5510	56.1	13.2	98	36	184	2
Harrington	--	4710	4930	5500	54.3	12.7	96	36	185	27
04WA-113.22	--	5090	5240	5390	55.0	12.8	97	35	185	0
Radiant	--	4950	5220	5380	54.3	11.8	86	37	185	13
2004NZ223	--	4590		5210	55.6	13.3	97	32	188	0
Bob	--	4870	4970	5150	55.5	13.2	98	35	184	30
CDC Copeland	--	4760	5030	5100	53.4	12.5	95	42	186	2
WAS 2	--		4920	5030	55.1	13.3	98	32	185	0
Clearwater	--	4440	4620	4780	61.8	13.0	91	36	185	28
WAS 4	--		4440	4510	62.3	12.9	90	35	185	10
Meresse	--	3660	3890	4030	60.9	15.4	86	33	185	2
C.V.	--	10	7	5	0.8	3.5	2	3	0	85
LSD	--	210	240	310	0.5	0.5	2	1	0	11
Average	--	5050	5290	5630	55.6	12.3	95	36	185	12
Highest	--	5870	6090	6240	62.3	15.4	98	42	188	63
Lowest	--	3660	3890	4030	53.2	11.1	86	31	184	0

Reardan Spring Barley - Preliminary Data

1. Grain yield in the Reardan spring barley trial averaged 5630 lbs/acre and was 580 lbs/acre higher than the 3-year average. The Reardan nursery was located about six miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 21 April, 2011 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a no-till drill set on 10-inch spacing. Base applied fertilizer was 80 lbs. of N/acre. Spring seeding and growing conditions were favorable.
3. Yields ranged from 4030 lbs/acre to 6240 lbs/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. *Baronesse* was the highest yielding variety and *Lenetah* was the highest yielding over 3 years at this location. All entries were 2-row and hulless entries are listed in italics. The Lattice design was 106% efficient compared to an RCBD for yield.
4. Test weights were very good with an average of 55.6 lbs/bu and ranged from 53.2 to 62.3 lbs/bu with the high values produced by hulless cultivars. Grain protein averaged 12.3% and grain plumpness averaged 95%. Plant height averaged 36 inches and lodging averaged 12%, but ranged from 0% to 63%.