

2011 WSU Variety Testing Barley Trial, Farmington

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)
07WA-682.1				4810	53.8	10.5	97	33	197
Baronesse	5470	5970	5780	4790	52.7	10.3	96	24	197
2Ab04-X01084-27				4570	51.3	10.5	97	25	198
05WA-316.99		6210	6170	4560	52.5	11.4	96	28	197
CDC Meredith			5430	4250	51.0	11.4	96	32	197
05WA-316.K		5850	5890	4230	52.7	10.5	98	28	194
Radiant	5540	5860	5700	4210	53.3	10.5	96	26	197
06WA-458.14			5640	4150	53.5	10.7	97	29	197
CDC Copeland		5590	5330	4100	51.7	10.7	98	35	197
07WA-614.4				4070	51.9	11.1	96	30	198
Harrington	5250	5390	5070	4060	53.3	11.9	98	32	197
07MB-390			5310	4030	52.7	11.4	97	30	197
04WA-113.22		5910	5710	4010	53.6	11.2	97	27	195
07WA-601.6				4000	53.3	11.1	97	28	196
2004NZ170		4770		3960	52.9	10.9	97	25	199
AC Metcalfe	4860	5120	5130	3940	53.3	10.9	97	32	196
2004NZ151			5680	3920	53.8	11.5	96	22	199
Bob	5190	5360	5320	3900	53.5	11.5	96	27	196
Champion	6060	6110	5710	3850	54.1	10.8	96	28	196
07WA-684.17				3830	52.7	10.6	95	26	197
2004NZ163			5700	3820	53.2	11.4	97	23	199
Lenetah		5850	5430	3800	53.0	11.2	97	30	196
WAS 4			4940	3730	61.3	11.6	94	27	197
07WA-658.8				3630	53.4	11.7	97	27	196
07WA-630.19				3590	53.3	11.4	98	27	196
07WA-649.7				3570	53.9	10.9	97	30	197
Tetonia		5580	5060	3560	53.0	10.6	96	27	199
2004NZ223		4630		3550	53.6	12.2	98	27	199
07WA-677.1				3450	52.3	11.5	93	24	197
WAS 2			5060	3360	52.6	11.8	98	22	197
Newdale				3340	51.4	11.5	96	29	197
2Ab17271				3250	51.8	10.5	95	30	200
Clearwater		4600	4440	3020	57.7	12.1	88	29	198
Bentley			4270	3020	51.2	10.9	97	30	196
Meresse	4000	4180	4320	2620	58.2	13.0	88	24	196
Spaulding	4390	4760	4300	2170	53.6	11.3	93	28	197
C.V.	17	12	12	11	0.7	7.1	1	10	1
LSD	210	270	360	460	0.4	0.8	1	3	1
Average	5090	5400	5280	3800	53.4	11.2	96	28	197
Highest	6060	6210	6170	4810	61.3	13.0	98	35	200
Lowest	4000	4180	4270	2170	51.0	10.3	88	22	194

Farmington Spring Barley – Preliminary Data

1. Grain yield in the Farmington spring barley trial averaged 3800 pounds/acre and was 1290 pounds/acre lower than the 5-year average. The Farmington nursery was located about one mile south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 11 May, 2011 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 114#N/acre. Spring seeding was late and growing conditions were favorable.
3. Yields ranged from 2170 lb/acre to 4810 lb/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 36 entries are in this top group. Baronesse was the highest yielding named variety. All entries were 2-row and hulless entries are listed in italics. The nearest-neighbor analysis produced 363% relative precision compared to an RCBD for yield.
4. Test weights were very good with an average of 53.4 lb/bu and ranged from 51.0 to 61.3 lb/bu with the high values produced by hulless cultivars. Grain protein averaged 11.2%, grain plumpness averaged 96%, and the average plant height was 28 inches.