

## 2010 WSU EXTENSION SPRING BARLEY NURSERY AT PULLMAN, WA.

Variety Name <i>*Hulless Italicized</i>	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	2010				
				YIELD (LBS/A)	TEST WT (LBS/BU)	LODGING (%)	PLANT HT	HEAD DATE
LENETAH		5710	6190	6670	54.7	3	44	178
2004NZ163				6360	52.6	0	35	183
04WZN-124		5430	5680	6240	50.3	1	34	183
WAS 2				5980	54.3	17	42	176
BOB	5090	5300	5380	5970	52.9	23	43	178
2004NZ151				5970	49.6	8	38	182
06WA-412.4				5960	51.5	20	42	179
PINNACLE			5090	5850	52.1	14	45	176
<i>MERESSE</i>	4520	4670	4720	5720	57.0	7	41	177
05WA-316.K			5380	5630	50.9	48	44	178
04WA-113.22		5240	5360	5600	51.8	29	44	178
05WA-329.49			5020	5540	53.6	41	47	177
BARONESSE	5190	5170	5230	5520	51.7	24	42	181
HAXBY		4840	5030	5340	53.5	34	46	179
06WA-426.42				5200	49.3	23	45	180
05WA-316.99			5080	5180	49.4	28	45	179
06WA-426.49				5100	50.3	47	46	179
CHAMPION	5400	5190	5030	5030	52.0	80	45	178
07MB-390				5030	48.7	47	45	179
06WA-458.14				4970	51.0	39	42	180
WAS 1				4900	50.1	52	44	180
<i>WAS 4</i>				4870	53.5	56	41	176
06WA-423.21				4870	48.5	51	47	177
CDC MEREDITH				4860	47.1	28	42	181
BENTLEY				4820	48.4	22	45	179
<i>WAS 3</i>		4200	4250	4810	51.1	21	45	177
CDC COPELAND		4600	4850	4810	47.3	2	46	181
HARRINGTON	4780	4740	4940	4750	46.2	32	43	180
06WA-406.28				4600	47.0	41	42	176
RADIANT	4810	4700	4730	4590	48.7	57	43	180
06WA-406.9				4570	45.6	39	41	179
AC METCALFE	4520	4400	4390	4490	48.5	38	45	178
SPAULDING	5080	4690	4970	4460	52.0	47	42	180
06WA-421.23				4440	50.0	56	46	179
TETONIA			4440	4410	52.5	54	42	183
<i>CLEARWATER</i>			4160	4000	55.6	75	44	179
C.V. %	9	10	10	11	2.1	46	3	1
LSD '@ .10'	270	380	490	760	1.5	21	2	2
Average	4920	5020	5000	5200	50.8	33	43	179
Highest	5400	5730	6190	6670	57.0	80	47	183
Lowest	4520	4200	4160	4000	45.6	0	34	176

## Pullman Spring Barley – Preliminary Data

1. Grain yield in the Pullman spring barley trial averaged 5200 pounds/acre, 280 pounds/acre higher than the 5-year average for this location. The Pullman nursery was located 2 miles south of Pullman, WA on the WSU Spillman Experimental Farm.
2. This nursery was seeded on 15 April, 2010 following mustard. Seed was placed at a 90#/acre seeding rate using a double disk plot drill set on 6-inch spacing. Base applied fertilizer was 90#N/acre and a pre-fertilization soil sample showed an additional 143#N residual. The barley breeding program maintained this nursery. The Alpha Lattice RCB experimental design improved variation allocation during statistical analysis and the CV by 11% compared to a standard RCB design.
3. Yields ranged from 4000 lb/ac to 6670 lb/ac. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 36 entries are in this group. Lenetah was the highest yielding variety. All entries were 2-row and hulless entries are listed in italic.
4. Test weights averaged 50.8 lb/bu and ranged from 45.6 to 57.0 lb/bu with the highest values produced by hulless cultivars. Lodging ranged from 0 to 80% and the average plant height was 43 inches.