

## 2010 WSU EXTENSION SPRING BARLEY NURSERY AT ST. JOHN, 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)	PROTEIN (%)	PLANT HT	HEAD DATE
LENETAH		4970	4940	4720	49.0	13.0	33	173
05WA-329.49			4930	4530	48.9	12.1	35	171
05WA-316.K			4790	4510	45.6	12.8	31	171
06WA-412.4				4480	48.1	13.1	31	172
WAS 2				4450	50.1	12.7	31	171
04WA-113.22		4700	4810	4410	47.8	13.1	31	171
BOB	4870	4820	4670	4370	49.8	13.1	36	172
06WA-406.28				4310	44.0	12.9	31	172
06WA-426.49				4300	44.3	13.0	32	172
RADIANT	4780	4760	4750	4250	47.2	12.6	32	174
WAS 1				4250	45.2	13.7	31	172
2004NZ151				4240	45.3	13.3	29	173
06WA-458.14				4230	47.0	13.0	33	173
05WA-316.99			4850	4220	46.2	11.5	33	171
BARONESSE	4730	4600	4500	4180	45.9	13.7	32	172
PINNACLE			4430	4120	49.7	11.2	34	170
06WA-423.21				4120	44.7	13.2	31	171
TETONIA			4740	4100	46.7	12.3	33	174
06WA-421.23				4070	44.1	12.9	36	171
2004NZ163				4020	47.3	13.5	29	175
CHAMPION	4860	4840	4800	3990	50.8	11.3	35	172
06WA-406.9				3990	43.8	13.6	31	174
HAXBY		4620	4630	3930	49.1	13.0	33	173
HARRINGTON	4430	4290	4280	3930	45.5	13.6	32	174
SPAULDING	4660	4340	4630	3920	48.6	11.7	35	171
CDC COPELAND		4460	4340	3920	44.4	14.0	33	175
CDC MEREDITH				3890	43.2	13.0	32	174
04WZN-124		4670	4380	3890	45.8	14.2	27	175
WAS 3		3510	3830	3850	53.5	14.3	35	171
WAS 4				3840	50.7	13.8	31	172
BENTLEY				3830	46.6	12.1	38	171
06WA-426.42				3770	44.1	13.6	35	172
AC METCALFE	4120	3920	3970	3750	45.1	14.0	33	174
07MB-390				3680	45.7	13.1	34	173
MERESSE	3330	3290	3620	3570	56.6	13.6	31	172
CLEARWATER			3930	3500	56.0	14.1	35	173
C.V. %	9	10	8	8	3.5	7.6	6	1
LSD '@ .10'	250	330	350	460	2.3	1.4	3	2
Average	4470	4414	4490	4090	47.4	13.1	33	172
Highest	4870	4970	4940	4720	56.6	14.3	38	175
Lowest	3330	3290	3620	3500	43.2	11.2	27	170

## St. John Spring Barley – Preliminary Data

1. Grain yield in the St. John spring barley trial averaged 4090 pounds/acre, 380 pounds/acre less than the 5-year average for this location. . The St. John nursery was located about three miles east of St. John, WA (Mac Miles, cooperator).

2. This nursery was seeded on 1 April, 2010 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 115#N/acre and an early spring soil test showed an additional 74#N/acre in the top 4 foot profile. Spring seeding and growing conditions were good, but early growth potential did not make yield because of dry conditions during grain filling.

3. Yields ranged from 3500 lb/ac to 4720 lb/ac. Yield values within the LSD range of the highest yield are shown in bold and 9 of the 36 entries are in this top group. Lenetah was the highest yielding entry. All entries were 2-row and hulless entries are listed in italic.

4. Test weights were low and averaged 47.4 lb/bu and ranged from 43.2 to 56.6 lb/bu with the highest values produced by hulless cultivars. Average plant height was 33 inches.