

## 2009 WSU EXTENSION SPRING BARLEY NURSERY AT ST. JOHN, WA.

Variety Name *6-Row Italicized	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	2009				
				YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
CHAMPION	5056	5125	5261	5616	50.3	12.7	25.3	173.5
<b>05WA-316.99</b>				<b>5486</b>	48.0	13.1	23.7	173.5
TETONIA				<b>5393</b>	49.7	13.1	22.7	176.0
SPAULDING	4582	4683	4552	<b>5344</b>	52.1	12.9	25.0	174.0
<b>05WA-329.49</b>				<b>5334</b>	49.6	12.8	23.0	173.5
HAXBY		4918	4969	<b>5316</b>	51.2	12.7	25.3	172.5
RADIANT	4775	4893	5012	<b>5256</b>	48.8	12.8	23.3	174.0
<b>04WA-113.22</b>			4840	<b>5208</b>	49.5	13.2	22.3	173.0
LENETAH			5100	<b>5159</b>	50.1	12.9	24.0	175.0
<b>05WA-316.K</b>				5070	47.1	12.9	23.0	173.0
<b>04WENZ-286</b>		4836	5028	5056	50.9	13.6	22.3	173.5
<b>2004NZ160</b>				4984	50.8	13.2	21.3	175.0
BOB	4897	5002	5049	4964	49.2	13.2	24.0	173.5
<b>05WA-325.18</b>				4945	48.8	13.8	23.3	174.5
<b>2004NZ170</b>				4944	48.6	13.5	21.3	176.0
<b>2004NZ223</b>				4901	50.8	13.9	22.0	177.0
<b>04WA-122.9</b>			4647	4883	50.4	13.5	22.0	173.5
<b>04WENZ-124</b>			5062	4868	48.4	13.6	23.0	176.5
<b>04WA-102.49</b>			4390	4817	48.3	13.4	21.3	176.0
BARONESSE	4741	4763	4810	4816	47.6	13.3	24.3	174.0
CDC COPELAND			4732	4767	48.6	13.2	27.3	176.0
PINNACLE				4746	48.8	12.2	26.3	172.0
RWA 1758			4727	4685	49.3	13.2	22.0	174.0
KENT		4304	4248	4671	47.5	12.5	22.7	176.0
HARRINGTON	4259	4352	4475	4637	48.7	13.7	23.3	174.0
<b>05WA-357.14</b>				4506	49.6	13.3	24.3	173.5
<b>05WA-360.24</b>				4423	49.5	13.6	22.7	173.5
<b>2004NZ052</b>				4369	49.2	13.8	22.0	175.0
CLEARWATER (Hullless)				4358	<b>54.5</b>	13.2	24.3	173.5
<i>05WA-328.8</i>				4254	47.2	13.5	27.0	170.5
AC METCALFE	4031	4018	4000	4187	49.4	13.4	25.0	175.0
WA 9820-98 (Hullless)		3619	3789	4070	53.4	13.8	21.7	174.5
LEGACY	4000	4105	4029	3991	47.1	12.5	29.3	170.0
<b>03WA-204.22H (Hullless)</b>				3948	<b>55.7</b>	13.6	23.0	174.0
<b>01WA-13860.5 (Hullless)</b>		3457	3335	3801	<b>55.3</b>	13.8	22.0	174.5
MERESSE (Hullless)		3209	3152	3683	53.8	14.4	22.7	172.0
C.V. %	10	9	10	8	2.7	3.9	6.8	0.5
LSD '@ .10'	278	315	436	531	1.8	0.7	2.2	1.2
Average	4543	4377	4534	4763	49.9	13.3	23.6	174.0
Highest	5056	5125	5261	5616	55.7	14.4	29.3	177.0
Lowest	4000	3209	3152	3683	47.1	12.2	21.3	170.0

## St. John Spring Barley – Preliminary Data

1. Grain yield in the St. John spring barley trial averaged 4760 pounds/acre, 5% higher than the average 5-year yield for this location. The St. John nursery was located about 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 20 April, 2009 following winter wheat. Seed was placed at a 90#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was applied at 70#N and 10#S per acre. Spring seeding conditions were good with moisture rated 7 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the Alpha Lattice experimental design improved variation allocation during statistical analysis and the CV by 51% compared to a RCBD design. The CV was 8.
3. Yields ranged from 3680 lb/ac to 5620 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 group. Six-row barley entries are listed in *italic* and hulless cultivars are noted.
4. Test weights were good with an average of 49.9 lb/bu. Grain protein was high and averaged 13.3%. The average plant height was 24 inches. No lodging occurred.