

**2009 WSU EXTENSION SPRING BARLEY NURSERY AT WALLA WALLA, 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	--	4625	4973	7247	52.9	13.0	31.7	162.5
SPAULDING	--	4486	5014	7200	52.6	12.4	32.7	163.0
05WA-316.99	--			7167	50.3	13.0	33.0	162.5
TETONIA	--			7066	52.4	12.7	32.0	165.0
LENETAH	--		4886	7015	51.9	12.7	34.0	163.5
CDC COPELAND	--		4964	6948	50.8	13.2	38.3	165.0
2004NZ170	--			6941	50.0	12.4	26.3	166.0
RADIANT	--	4372	4835	6925	51.0	12.4	32.0	164.0
04WA-113.22	--		5112	6917	50.9	13.3	29.3	163.0
05WA-329.49	--			6907	51.6	12.9	32.3	163.0
05WA-316.K	--			6805	51.6	12.9	29.7	162.0
HAXBY	--	4187	4658	6798	52.7	12.5	34.0	162.5
04WA-122.9	--		4734	6679	51.4	13.3	32.7	162.5
05WA-357.14	--			6663	53.0	13.1	31.3	163.5
04WNZ-286	--	4229	4636	6650	52.4	13.1	32.0	163.0
AC METCALFE	--	3906	4525	6634	53.1	13.1	36.7	163.5
RWA 1758	--		4894	6616	51.5	12.9	27.7	163.0
2004NZ160	--			6599	52.6	12.8	27.3	165.0
PINNACLE	--			6549	51.3	11.9	36.3	161.5
05WA-360.24	--			6505	52.2	13.0	31.0	162.5
BOB	--	4445	4792	6488	51.3	13.0	32.0	162.0
KENT	--	4308	4694	6480	48.5	12.7	30.0	166.0
<i>LEGACY</i>	--	4091	4605	6449	48.7	12.9	39.0	161.5
04WNZ-124	--		4622	6411	49.7	13.0	29.0	166.0
04WA-102.49	--		4750	6398	49.8	12.8	27.7	165.0
2004NZ223	--			6397	51.1	13.0	29.7	166.0
BARONESSE	--	4205	4407	6314	50.6	12.8	31.0	164.0
2004NZ052	--			6251	51.5	13.4	26.7	164.5
HARRINGTON	--	3623	4072	6231	49.5	13.3	33.0	164.0
05WA-325.18	--			6113	49.7	13.5	31.7	163.5
01WA-13860.5 (Hulless)	--	3170	3773	6106	58.9	13.6	31.7	163.5
03WA-204.22H (Hulless)	--			6100	58.2	13.9	29.3	163.0
CLEARWATER (Hulless)	--			5889	57.5	12.9	31.7	164.5
<i>05WA-328.8</i>	--			5764	49.2	13.5	36.3	161.0
WA 9820-98 (Hulless)	--	3096	3699	5347	55.1	13.0	26.0	164.0
MERESSE (Hulless)	--	2834	3504	5203	59.4	14.6	28.7	161.5
C.V. %	--	7	7	5	1.8	2.3	4.0	0.4
LSD '@ .10'	--	269	364	487	1.3	0.4	1.7	0.9
Average	--	3970	4579	6521	52.1	13.0	31.5	163.5
Highest	--	4625	5112	7247	59.4	14.6	39.0	166.0
Lowest	--	2834	3504	5203	48.5	11.9	26.0	161.0

## Walla Walla Spring Barley – Preliminary Data

1. Grain yield in the Walla Walla spring barley trial averaged 6521 pounds/acre, 64% higher than the 3-year average for this location. The Walla Walla nursery was located about 5 miles south of Waitsburg, WA (Glen Smith, cooperator).
2. This nursery was seeded on 16 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 as 110#N, 15# P and 10#S per acre, and a spring soil test showed adequate available nutrients. Spring seeding conditions were rated 8 on a 1-10 scale and spring rain made the outlook good for the spring crop. The Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 21% compared to a RCBD design.
3. Yields ranged from 5203 lb/ac to 7247 lb/ac. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 36 entries are in this group. Six-row entries are listed in italic and hulless cultivars are noted.
4. Test weights were excellent with an average of 52.1 lb/bu. Grain protein was high averaging 13.0%. The average plant height was 31.5 inches.