

2009 WSU EXTENSION SPRING BARLEY NURSERY AT WALLA WALLA, WA.

Variety Name *6-Row Italicized				2009						
	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLUMP (%)	THIN (%)	PLANT HEAD HT	DATE
CHAMPION	--	4630	4970	7250	52.9	13.0	96	2	32	163
SPaulding	--	4490	5010	7200	52.6	12.4	97	1	33	163
05WA-316.99	--			7170	50.3	13.0	96	1	33	163
TETONIA	--			7070	52.4	12.7	95	2	32	165
LENETAH	--		4890	7020	51.9	12.7	95	2	34	164
CDC COPELAND	--		4960	6950	50.8	13.2	95	2	38	165
2004NZ170	--			6940	50.0	12.4	97	1	26	166
RADIANT	--	4370	4840	6930	51.0	12.4	91	4	32	164
04WA-113.22	--		5110	6920	50.9	13.3	96	2	29	163
05WA-329.49	--			6910	51.6	12.9	98	1	32	163
05WA-316.K	--			6810	51.6	12.9	96	2	30	162
HAXBY	--	4190	4660	6800	52.7	12.5	96	2	34	163
04WA-122.9	--		4730	6680	51.4	13.3	97	1	33	163
05WA-357.14	--			6660	53.0	13.1	97	1	31	164
04WNZ-286	--	4230	4640	6650	52.4	13.1	98	1	32	163
AC METCALFE	--	3910	4530	6630	53.1	13.1	97	1	37	164
RWA 1758	--		4890	6620	51.5	12.9	98	1	28	163
2004NZ160	--			6600	52.6	12.8	98	1	27	165
PINNACLE	--			6550	51.3	11.9	99	1	36	162
05WA-360.24	--			6510	52.2	13.0	97	1	31	163
BOB	--	4450	4790	6490	51.3	13.0	97	1	32	162
KENT	--	4310	4690	6480	48.5	12.7	90	4	30	166
<i>LEGACY</i>	--	4090	4610	6450	48.7	12.9	97	1	39	162
04WNZ-124	--		4620	6410	49.7	13.0	95	2	29	166
04WA-102.49	--		4750	6400	49.8	12.8	97	1	28	165
2004NZ223	--			6400	51.1	13.0	97	1	30	166
BARONESSE	--	4210	4410	6310	50.6	12.8	94	2	31	164
2004NZ052	--			6250	51.5	13.4	98	1	27	165
HARRINGTON	--	3620	4070	6230	49.5	13.3	96	1	33	164
05WA-325.18	--			6110	49.7	13.5	97	1	32	164
01WA-13860.5 (Hulless)	--	3170	3770	6110	58.9	13.6	92	3	32	164
03WA-204.22H (Hulless)	--			6100	58.2	13.9	94	2	29	163
CLEARWATER (Hulless)	--			5890	57.5	12.9	90	3	32	165
<i>05WA-328.8</i>	--			5760	49.2	13.5	97	1	36	161
WA 9820-98 (Hulless)	--	3100	3700	5350	55.1	13.0	75	5	26	164
MERESSE (Hulless)	--	2830	3500	5200	59.4	14.6	93	2	29	162
C.V. %	--	7	7	5	1.8	2.3	2	44	4	0
LSD '@.10'	--	270	360	490	1.3	0.4	3	1	2	1
Average	--	3970	4580	6520	52.1	13.0	95	2	32	164
Highest	--	4630	5110	7250	59.4	14.6	99	5	39	166
Lowest	--	2830	3500	5200	48.5	11.9	75	1	26	161

1. Grain yield in the Walla Walla spring barley trial averaged 6520 lb/ac, 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, cooperater).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at a 90#/acre seeding rate using a double disc 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 an RCBD design.
3. Yields ranged from 5200 lb/ac to 7250 lb/ac, with a CV of 5%. 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 italicized print and hulless cultivars are noted.
4. Test weights were excellent with an average of 52.1 lb/bu. Plump grain (>6/64" screen) averaged 95%. Grain protein was high averaging 13.0%. The average plant height was 32 inches.