

2009 WSU EXTENSION SPRING BARLEY NURSERY AT MAYVIEW, WA.

Variety Name *6-Row Italicized	2009			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	4110	4630	4460	4480	52.3	12.9	95	2	27	177
TETONIA				4410	51.9	12.9	93	3	23	179
RADIANT	3870	4340	4070	4340	50.9	12.7	95	2	23	178
<i>04WA-122.9</i>			4080	4260	52.3	12.8	97	2	25	178
LENETAH			4120	4130	51.6	12.6	94	3	26	177
CDC COPELAND			3680	4130	49.8	12.7	96	2	27	180
HARRINGTON	3470	3950	3810	4110	50.7	13.5	94	3	25	179
RWA 1758			3940	4030	52.1	13.5	98	1	24	177
2004NZ170				3990	51.0	13.6	95	2	22	180
KENT		4170	3990	3950	51.3	12.5	97	1	23	179
05WA-316.K				3910	51.4	13.0	96	2	23	176
2004NZ223				3900	52.4	13.5	97	1	23	180
05WA-325.18				3880	50.6	13.2	95	2	26	178
05WA-329.49				3870	51.8	13.7	98	1	26	177
SPAULDING	3530	4000	3740	3860	52.8	12.3	90	4	24	178
05WA-357.14				3820	51.9	13.1	97	2	25	178
BARONESSE	3680	4110	3920	3810	51.8	12.8	96	2	24	178
04WNZ-124			3670	3750	50.3	14.0	94	2	23	180
04WA-113.22			3560	3750	51.7	13.3	95	1	24	177
BOB	3530	3920	3720	3720	52.0	13.1	96	2	25	176
05WA-316.99				3680	49.9	13.6	92	3	25	179
HAXBY		4000	3770	3660	52.7	12.5	92	3	24	175
05WA-360.24				3630	51.4	13.8	96	2	26	176
2004NZ160				3600	52.7	13.0	97	1	20	179
AC METCALFE	3070	3470	3350	3500	51.2	13.4	96	2	27	179
04WNZ-286		3680	3540	3490	52.2	13.9	95	2	24	177
04WA-102.49			3580	3470	50.8	14.1	95	2	22	178
<i>LEGACY</i>	3210	3660	3410	3460	50.6	12.8	93	2	27	176
2004NZ052				3410	51.1	14.0	97	1	23	180
CLEARWATER (Hulless)				3360	60.2	13.0	84	5	25	178
PINNACLE				3160	52.3	12.4	96	2	24	177
WA 9820-98 (Hulless)		3270	3170	3160	59.0	14.5	66	6	23	178
MERESSE (Hulless)		3000	2860	2990	61.0	14.2	81	5	23	175
01WA-13860.5 (Hulless)		3190	2970	2930	60.0	13.7	78	5	24	179
03WA-204.22H (Hulless)				2900	60.4	13.8	87	5	23	177
<i>05WA-328.8</i>				2750	50.2	13.2	94	2	29	174
C.V. %	8	8	7	9	0.9	4.3	3	38	5	1
LSD '@ .10'	180	230	260	450	0.7	0.8	4	1	2	1
Average	3560	3810	3690	3700	52.7	13.3	93	2	24	178
Highest	4110	4630	4460	4480	61.0	14.5	98	6	29	180
Lowest	3070	3000	2860	2750	49.8	12.3	66	1	20	174

1. Grain yield in the Mayview spring barley trial averaged 3700 lb/ac, 4% higher than the 5-year yield average for this location. The Mayview nursery was located about 5 miles south of the Lower Granite Dam on the Snake River, WA or 12 miles northeast of Pomeroy, WA (Roger and Randy Koller, cooperators).
2. This nursery was seeded on 24 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was applied at 64#N and 10#S per acre. Spring seeding moisture conditions were rated 4 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 54% compared to an RCBD design.
3. Yields ranged from 2750 lb/ac to 4480 lb/ac, with a CV of 9%. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 36 entries are in this group. Six-row entries are listed in italicized print and the hulless cultivars are designated.
4. Test weights were good with an average of 52.7 lb/ bu and most of the hulless cultivars were over 60.0 lb/bu. Plump grain (>6/64" screen) averaged 93%. Grain protein was high and averaged 13.3%. The average plant height was 24 inches. No lodging occurred.