

2009 WSU EXTENSION SPRING BARLEY NURSERY AT MAYVIEW, 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	4112	4632	4456	4477	52.3	12.9	26.7	177.0
TETONIA				4410	51.9	12.9	23.3	178.5
RADIANT	3865	4344	4068	4344	50.9	12.7	23.0	177.5
04WA-122.9			4081	4260	52.3	12.8	25.3	177.5
LENETAH			4120	4132	51.6	12.6	26.3	177.0
CDC COPELAND			3681	4129	49.8	12.7	27.3	179.5
HARRINGTON	3469	3954	3814	4108	50.7	13.5	25.3	178.5
RWA 1758			3944	4028	52.1	13.5	24.0	176.5
2004NZ170				3987	51.0	13.6	21.7	179.5
KENT		4172	3991	3948	51.3	12.5	23.0	178.5
05WA-316.K				3912	51.4	13.0	23.3	176.0
2004NZ223				3897	52.4	13.5	23.0	179.5
05WA-325.18				3880	50.6	13.2	26.0	178.0
05WA-329.49				3871	51.8	13.7	26.0	177.0
SPAULDING	3532	4000	3739	3857	52.8	12.3	24.0	178.0
05WA-357.14				3817	51.9	13.1	25.0	178.0
BARONESSE	3680	4110	3916	3814	51.8	12.8	24.3	177.5
04WNZ-124			3668	3752	50.3	14.0	22.7	179.5
04WA-113.22			3562	3746	51.7	13.3	24.0	176.5
BOB	3525	3920	3721	3720	52.0	13.1	25.3	175.5
05WA-316.99				3676	49.9	13.6	25.3	178.5
HAXBY		3995	3772	3660	52.7	12.5	23.7	175.0
05WA-360.24				3628	51.4	13.8	26.3	176.0
2004NZ160				3597	52.7	13.0	20.3	178.5
AC METCALFE	3072	3467	3345	3495	51.2	13.4	26.7	179.0
04WNZ-286		3680	3542	3488	52.2	13.9	23.7	177.0
04WA-102.49			3578	3473	50.8	14.1	22.3	178.0
<i>LEGACY</i>	3208	3658	3414	3462	50.6	12.8	27.0	176.0
2004NZ052				3405	51.1	14.0	22.7	179.5
CLEARWATER (Hulless)				3362	60.2	13.0	25.3	177.5
PINNACLE				3161	52.3	12.4	24.3	176.5
WA 9820-98 (Hulless)		3271	3170	3160	59.0	14.5	23.0	177.5
MERESSE (Hulless)		2998	2858	2985	61.0	14.2	22.7	175.0
01WA-13860.5 (Hulless)		3194	2974	2933	60.0	13.7	23.7	179.0
03WA-204.22H (Hulless)				2899	60.4	13.8	23.3	176.5
<i>05WA-328.8</i>				2749	50.2	13.2	28.7	174.0
C.V. %	8	8	7	9	0.9	4.3	4.8	0.5
LSD '@ .10'	179	225	256	449	0.7	0.8	1.6	1.2
Average	3558	3814	3686	3701	52.7	13.3	24.4	177.5
Highest	4112	4632	4456	4477	61.0	14.5	28.7	179.5
Lowest	3072	2998	2858	2749	49.8	12.3	20.3	174.0

Mayview Spring Barley– Preliminary Data

1. Grain yield in the Mayview spring barley trial averaged 3700 pounds/acre, 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-disk 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 a RCBD design. The CV was 9.
3. Yields ranged from 2750 lb/ac to 4477 lb/ac. 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 *italic* 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. Grain protein was high and averaged 13.3. The average plant height was 24 inches. No lodging occurred.