

2009 WSU EXTENSION SPRING BARLEY NURSERY AT REARDAN, 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 (%)	PLUMP (%)	THIN (%)	PLANT HEAD HT	DATE
LENETAH	--	--	3960	5420	51.9	13.8	96	1	23	177
SPAULDING	--	--	4020	5170	52.6	13.4	95	2	23	175
CHAMPION	--	--	3850	4960	51.2	14.2	97	1	24	174
<i>05WA-316.K</i>	--	--		4940	49.8	14.0	97	1	21	174
04WZN-124	--	--	3800	4860	49.5	15.0	96	2	21	177
RWA 1758	--	--	3500	4780	50.5	14.3	96	2	19	175
04WA-102.49	--	--	3670	4780	50.0	14.2	97	1	20	176
04WA-113.22	--	--	3520	4780	50.2	14.8	96	1	22	174
05WA-360.24	--	--		4690	51.0	14.5	97	1	23	175
2004NZ170	--	--		4680	49.6	14.1	96	2	18	177
BOB	--	--	3620	4670	51.1	14.3	97	1	19	174
BARONESSE	--	--	3510	4670	50.8	13.9	97	1	20	175
KENT	--	--	3830	4620	50.0	13.7	96	2	18	177
05WA-316.99	--	--		4570	49.9	14.0	96	1	22	174
RADIANT	--	--	3300	4400	50.8	13.8	94	1	19	176
04WZN-286	--	--	3430	4350	51.4	15.0	96	1	16	175
04WA-122.9	--	--	3400	4330	50.5	14.1	96	1	21	174
AC METCALFE	--	--	3250	4300	50.9	14.8	97	1	23	174
HARRINGTON	--	--	3190	4270	50.1	14.2	95	2	20	176
HAXBY	--	--	3120	4240	52.5	14.0	96	2	22	174
CDC COPELAND	--	--	3280	4210	50.4	13.8	97	1	26	177
2004NZ160	--	--		4170	52.0	14.6	98	1	19	176
WA 9820-98 (Hulless)	--	--	3150	4160	57.1	14.9	77	5	20	175
05WA-329.49	--	--		4120	50.7	14.5	97	1	21	175
05WA-325.18	--	--		4110	48.8	14.7	96	1	20	175
01WA-13860.5 (Hulless)	--	--	3150	4110	55.7	15.0	78	4	20	174
CLEARWATER(Hulless)	--	--		4090	56.7	14.2	79	6	19	175
TETONIA	--	--		4080	50.7	14.0	94	2	20	176
<i>LEGACY</i>	--	--	2640	3980	49.1	14.6	95	1	30	172
2004NZ223	--	--		3970	51.5	15.0	97	1	19	177
05WA-357.14	--	--		3940	51.0	14.5	96	2	22	175
PINNACLE	--	--		3910	51.6	12.6	98	1	25	173
03WA-204.22H (Hulless)	--	--		3900	56.2	15.4	87	4	20	175
<i>05WA-328.8</i>	--	--		3660	49.1	14.9	95	2	26	172
2004NZ052	--	--		3480	49.8	14.9	97	1	19	175
MERESSE (Hulless)	--	--	2350	3200	55.9	16.4	80	5	21	174
C.V. %	--	--	9	9	1.4	1.7	2	29	9	0
LSD '@ .10'	--	--	310	550	1.0	0.3	2	1	3	1
Average	--	--	3410	4350	51.4	14.4	94	2	21	175
Highest	--	--	4020	5420	57.1	16.4	98	6	30	177
Lowest	--	--	2350	3200	48.8	12.6	77	1	16	172

1. Grain yield in the Reardan spring barley trial averaged 4350 lb/ac, about 28% higher than the average 2-year yield for this location. The Reardan nursery was located about 7 miles west of Reardan, WA (Hal Johnson, cooperater).
2. This nursery was seeded on 17 April, 2009 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill fitted with Cross-slot openers set on 10-inch spacing. Base fertilizer included 65#N and 5#S applied in the fall and 20#N, 4#P, and 4#S per acre applied in the spring. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 68% compared to an RCBD design.
3. Yields ranged from 3200 lb/ac to 5420 lb/ac, with a CV of 9%. Yield values within the LSD range of the highest yield are shown in bold and 4 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 51.4 lb/bu with a range of 48.8 lb/bu to 57.1 lb/bu. Plump grain (>6/64" screen) averaged 94%. Grain protein was high and averaged 14.4%. The average plant height was 21inches.