

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 (%)	PLANT HT	HEAD DATE
LENETAH	--	--	3961	5420	51.9	13.8	22.7	176.5
SPAULDING	--	--	4017	5174	52.6	13.4	23.3	175.0
CHAMPION	--	--	3845	4961	51.2	14.2	23.7	174.0
05WA-316.K	--	--		4942	49.8	14.0	21.0	174.0
04WZN-124	--	--	3799	4864	49.5	15.0	21.0	177.0
RWA 1758	--	--	3499	4782	50.5	14.3	19.0	174.5
04WA-102.49	--	--	3666	4777	50.0	14.2	20.0	175.5
04WA-113.22	--	--	3520	4775	50.2	14.8	22.0	174.0
05WA-360.24	--	--		4689	51.0	14.5	22.7	174.5
2004NZ170	--	--		4683	49.6	14.1	17.7	177.0
BOB	--	--	3622	4672	51.1	14.3	19.0	174.0
BARONESSE	--	--	3509	4668	50.8	13.9	20.0	175.0
KENT	--	--	3830	4621	50.0	13.7	18.0	177.0
05WA-316.99	--	--		4568	49.9	14.0	21.7	174.0
RADIANT	--	--	3295	4398	50.8	13.8	19.3	175.5
04WZN-286	--	--	3425	4353	51.4	15.0	16.3	174.5
04WA-122.9	--	--	3399	4328	50.5	14.1	20.7	174.0
AC METCALFE	--	--	3246	4301	50.9	14.8	23.3	174.0
HARRINGTON	--	--	3186	4269	50.1	14.2	20.3	175.5
HAXBY	--	--	3124	4239	52.5	14.0	22.0	174.0
CDC COPELAND	--	--	3275	4214	50.4	13.8	26.0	176.5
2004NZ160	--	--		4170	52.0	14.6	19.0	175.5
WA 9820-98 (Hulless)	--	--	3152	4161	57.1	14.9	20.3	175.0
05WA-329.49	--	--		4120	50.7	14.5	21.3	174.5
05WA-325.18	--	--		4112	48.8	14.7	20.0	175.0
01WA-13860.5 (Hulless)	--	--	3154	4111	55.7	15.0	20.3	173.5
CLEARWATER (Hulless)	--	--		4086	56.7	14.2	19.0	174.5
TETONIA	--	--		4084	50.7	14.0	19.7	175.5
LEGACY	--	--	2644	3977	49.1	14.6	30.0	172.0
2004NZ223	--	--		3970	51.5	15.0	19.3	177.0
05WA-357.14	--	--		3941	51.0	14.5	22.3	174.5
PINNACLE	--	--		3908	51.6	12.6	25.0	173.0
03WA-204.22H (Hulless)	--	--		3895	56.2	15.4	20.0	174.5
05WA-328.8	--	--		3662	49.1	14.9	26.3	172.0
2004NZ052	--	--		3475	49.8	14.9	19.0	175.0
MERESSE (Hulless)	--	--	2354	3203	55.9	16.4	21.0	174.0
C.V. %	--	--	9	9	1.4	1.7	9.3	0.4
LSD '@ .10'	--	--	306	550	1.0	0.3	2.7	1.0
Average	--	--	3406	4349	51.4	14.4	21.2	174.8
Highest	--	--	4017	5420	57.1	16.4	30.0	177.0
Lowest	--	--	2354	3203	48.8	12.6	16.3	172.0

Reardan Spring Barley – Preliminary Data

1. Grain yield in the Reardan spring barley trial averaged 4350 pounds/acre, 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, cooperator).
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 a RCBD design.
3. Yields ranged from 3200 lb/ac to 5420 lb/ac. 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 *italic* 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. Grain protein was high and averaged 14.4%. The average plant height was 21.2 inches.