

2009 WSU EXTENSION SPRING BARLEY NURSERY AT FARMINGTON, WA.

Variety Name <i>*6-Row Italicized</i>	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	6280	6290	5640	6900	51.6	13.0	97	1	28	183
LENETAH			4660	6690	50.2	13.1	95	2	26	186
TETONIA				6620	51.2	12.9	97	1	24	186
KENT		6030	5610	6610	50.4	12.9	98	1	24	186
04WA-102.49			5050	6610	50.6	13.3	98	1	24	186
04WNZ-124			5540	6590	49.8	13.7	98	1	25	187
RWA 1758			5080	6440	51.1	13.2	96	2	23	183
BARONESSE	4930	5260	4950	6350	50.2	13.5	97	1	24	184
04WA-113.22			5480	6320	49.8	13.9	96	1	24	182
05WA-316.99				6300	48.7	12.8	96	1	24	183
RADIANT	5400	5430	4720	6200	50.1	13.2	97	1	24	185
CDC COPELAND			4650	6110	49.7	13.3	99	1	30	187
04WNZ-286		5680	5210	6080	50.4	13.2	96	2	24	184
HARRINGTON	5280	5370	5020	6040	50.0	13.5	98	1	25	183
04WA-122.9			5010	5910	50.9	13.6	98	1	25	184
05WA-325.18				5900	49.4	14.2	98	1	26	185
05WA-329.49				5850	50.6	13.7	98	1	26	184
05WA-357.14				5800	50.9	14.1	97	1	27	184
05WA-316.K				5750	49.9	13.1	96	1	23	183
2004NZ223				5710	50.8	14.7	98	1	24	187
SPAULDING	4590	4450	3910	5680	51.4	12.5	95	2	26	183
2004NZ170				5570	49.7	13.8	97	1	22	187
2004NZ160				5540	51.0	14.1	98	1	22	185
05WA-360.24				5490	49.8	13.4	95	2	25	185
LEGACY	5190	5130	4510	5480	48.5	13.2	98	1	26	182
BOB	4800	5110	4500	5460	50.4	13.8	95	2	23	184
2004NZ052				5150	50.3	14.5	97	2	23	186
AC METCALFE	4710	4680	4250	5100	49.5	14.6	98	1	30	185
WA 9820-98 (Hulless)		4330	3780	4920	56.0	15.1	82	5	23	184
CLEARWATER (Hulless)				4920	52.5	14.3	84	7	27	186
03WA-204.22H (Hulless)				4870	57.5	14.4	93	3	25	185
01WA-13860.5 (Hulless)		4430	4040	4780	50.9	14.7	87	4	25	185
05WA-328.8				4350	47.2	14.6	97	1	25	181
PINNACLE				4250	48.1	12.5	97	1	23	184
MERESSE (Hulless)		3790	3310	3910	56.4	15.0	89	3	23	182
HAXBY		3590	2610	3380	50.4	14.4	97	2	21	185
C.V. %	11	9	9	7	1.2	3.1	2	45	5	0
LSD '@ .10'	350	340	410	520	0.9	0.6	2	1	2	1
Average	5150	4970	4640	5660	50.7	13.7	96	2	25	184
Highest	6280	6290	5640	6900	57.5	15.1	99	7	30	187
Lowest	4590	3590	2610	3380	47.2	12.5	82	1	21	181

1. Grain yield in the Farmington spring barley trial averaged 5660 lb/ac about 510 lb/ac higher than the previous 5-year average. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 4 May, 2009 following winter wheat. Seed was placed at a 90#/acre seeding rate using a double disc plot drill fitted with seven openers set on 6-inch spacing. Spring seeding conditions were good. Base fertilizer was 115#N and 17#S per acre applied in the spring and a soil test shows adequate nutrients. The alpha lattice experimental design improved variation allocation during statistical analysis and the CV by 49% compared to an RCBD design.
3. Yields ranged from 3380 lb/ac to 6900 lb/ac, with a CV of 7%. 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 50.7 lb/bu and ranged from 47.2 lb/bu to 57.5 lb/bu. The hulless cultivars produce the highest test weights. Plump grain (>6/64" screen) averaged 96%. Grain protein averaged 13.7%. The average plant height was 25 inches.