

2009 WSU EXTENSION SPRING BARLEY NURSERY AT FARMINGTON, WA.

Variety Name <i>*6-Row Italicized</i>	5 YEAR AVERAGE (LBS/A)	3 YEAR AVERAGE (LBS/A)	2 YEAR AVERAGE (LBS/A)	2009					
				YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
CHAMPION	6276	6286	5640	6904	51.6	13.0	11.7	28.3	182.5
LENETAH			4664	6686	50.2	13.1	6.7	25.7	186.0
TETONIA				6622	51.2	12.9	13.3	24.0	186.0
KENT		6027	5609	6609	50.4	12.9	5.0	24.0	185.5
04WA-102.49			5047	6605	50.6	13.3	0.0	24.0	186.0
04WZN-124			5541	6589	49.8	13.7	0.0	24.7	186.5
RWA 1758			5080	6437	51.1	13.2	5.0	23.0	183.0
BARONESSE	4930	5257	4945	6350	50.2	13.5	41.7	24.3	183.5
04WA-113.22			5484	6318	49.8	13.9	45.0	23.7	182.0
05WA-316.99				6301	48.7	12.8	76.7	23.7	183.0
RADIANT	5399	5433	4717	6196	50.1	13.2	10.0	24.0	185.0
CDC COPELAND			4647	6111	49.7	13.3	3.3	30.3	186.5
04WZN-286		5675	5212	6076	50.4	13.2	82.7	23.7	183.5
HARRINGTON	5283	5366	5015	6038	50.0	13.5	26.7	25.3	183.0
04WA-122.9			5012	5909	50.9	13.6	61.7	24.7	183.5
05WA-325.18				5897	49.4	14.2	70.0	25.7	185.0
05WA-329.49				5849	50.6	13.7	63.3	25.7	183.5
05WA-357.14				5802	50.9	14.1	0.0	26.7	183.5
05WA-316.K				5752	49.9	13.1	53.3	23.3	182.5
2004NZ223				5707	50.8	14.7	8.3	23.7	186.5
SPAULDING	4590	4448	3909	5678	51.4	12.5	0.0	25.7	183.0
2004NZ170				5572	49.7	13.8	0.0	21.7	186.5
2004NZ160				5538	51.0	14.1	0.0	21.7	185.0
05WA-360.24				5493	49.8	13.4	33.3	25.3	184.5
<i>LEGACY</i>	5190	5133	4509	5475	48.5	13.2	6.7	26.3	182.0
BOB	4803	5107	4498	5461	50.4	13.8	25.0	23.0	184.0
2004NZ052				5147	50.3	14.5	0.0	23.3	186.0
AC METCALFE	4713	4679	4249	5103	49.5	14.6	16.7	29.7	184.5
WA 9820-98 (Hullless)		4332	3776	4923	56.0	15.1	10.0	23.3	184.0
CLEARWATER (Hullless)				4921	52.5	14.3	0.0	26.7	185.5
03WA-204.22H (Hullless)				4869	57.5	14.4	3.3	25.3	184.5
01WA-13860.5 (Hullless)		4427	4037	4784	50.9	14.7	53.3	24.7	184.5
<i>05WA-328.8</i>				4351	47.2	14.6	6.7	25.3	181.0
PINNACLE				4247	48.1	12.5	0.0	23.3	184.0
MERESSE (Hullless)		3791	3314	3907	56.4	15.0	0.0	22.7	182.0
HAXBY		3585	2607	3382	50.4	14.4	0.0	21.0	184.5
C.V. %	11	9	9	7	1.2	3.1	99.2	5.2	0.4
LSD '@ .10'	349	338	409	516	0.9	0.6	27.7	1.7	1.1
Average	5148	4968	4643	5656	50.7	13.7	20.5	24.7	184.2
Highest	6276	6286	5640	6904	57.5	15.1	82.7	30.3	186.5
Lowest	4590	3585	2607	3382	47.2	12.5	0.0	21.0	181.0

Farmington Spring Barley – Preliminary Data

1. Grain yield in the Farmington spring barley trial averaged 5660 pounds/acre about 510 pounds/acre 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-disk 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 a RCBD design. The CV was 6.6%.
3. Yields ranged from 3380 lb/ac to 6900 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 50.7 lb/bu and ranged from 47.2 lb/bu to 57.5 lb/bu. The hulless cultivars produce the highest test. Grain protein was high and averaged 13.7%. The average plant height was 25 inches.