

## 2009 WSU EXTENSION SPRING BARLEY NURSERY AT COLFAX, 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
<b>SPAULDING</b>	--	--	--	5013	52.7	12.4	28.3	183.0
<b>CHAMPION</b>	--	--	--	4701	51.7	12.7	30.0	183.5
<b>TETONIA</b>	--	--	--	4659	51.3	12.7	27.0	186.0
<b>05WA-316.K</b>	--	--	--	4598	50.5	12.8	27.7	183.0
<b>05WA-316.99</b>	--	--	--	4565	50.5	12.8	30.7	183.0
<b>LENETAH</b>	--	--	--	4519	51.2	12.6	27.7	184.0
<b>04WA-113.22</b>	--	--	--	4415	50.7	13.5	29.0	183.0
<b>RADIANT</b>	--	--	--	4374	50.5	12.7	28.3	185.0
<b>BARONESSE</b>	--	--	--	4373	51.0	12.9	27.3	184.5
<b>04WNZ-124</b>	--	--	--	4357	49.8	12.9	25.3	187.5
<b>RWA 1758</b>	--	--	--	4349	51.0	12.8	26.0	183.5
<b>KENT</b>	--	--	--	4242	49.7	12.8	26.0	187.0
<b>CDC COPELAND</b>	--	--	--	4220	49.5	12.9	32.7	186.0
<b>2004NZ223</b>	--	--	--	4200	51.4	13.7	25.7	187.5
<b>HARRINGTON</b>	--	--	--	4188	50.4	13.0	31.0	184.5
<b>HAXBY</b>	--	--	--	4181	52.6	13.0	29.0	183.0
<b>04WA-102.49</b>	--	--	--	4164	50.5	13.1	25.0	186.5
<b>04WA-122.9</b>	--	--	--	4123	51.1	13.0	30.0	184.5
<b>2004NZ160</b>	--	--	--	4092	52.1	13.3	25.3	186.5
<b>PINNACLE</b>	--	--	--	4038	51.3	12.1	29.0	183.5
<b>05WA-325.18</b>	--	--	--	4036	49.7	13.4	29.3	185.0
<b>05WA-329.49</b>	--	--	--	4029	50.5	13.8	30.3	185.0
<b>05WA-357.14</b>	--	--	--	3990	51.2	13.1	29.7	184.5
<b>2004NZ170</b>	--	--	--	3986	49.9	13.1	25.0	186.5
<b>BOB</b>	--	--	--	3931	51.2	13.4	30.0	183.5
<b>04WNZ-286</b>	--	--	--	3927	51.6	13.4	29.3	184.5
<b>05WA-360.24</b>	--	--	--	3924	50.8	13.6	29.7	185.0
<b>WA 9820-98 (Hulless)</b>	--	--	--	3892	56.6	13.6	26.7	185.5
<b>2004NZ052</b>	--	--	--	3858	50.4	13.4	27.3	186.5
<b>CLEARWATER (Hulless)</b>	--	--	--	3824	57.1	13.3	31.7	185.0
<b>LEGACY</b>	--	--	--	3784	49.3	12.6	31.3	183.5
<b>AC METCALFE</b>	--	--	--	3654	50.3	13.5	31.0	185.5
<b>01WA-13860.5 (Hulless)</b>	--	--	--	3633	57.7	13.7	28.0	185.0
<b>05WA-328.8</b>	--	--	--	3429	48.6	13.7	31.0	183.0
<b>03WA-204.22H (Hulless)</b>	--	--	--	3102	58.0	14.2	29.3	185.0
<b>MERESSE (Hulless)</b>	--	--	--	3059	57.3	14.9	26.7	183.0
<b>C.V. %</b>	--	--	--	7	0.8	2.9	4.8	0.4
<b>LSD '@ .10'</b>	--	--	--	421	0.6	0.5	1.9	0.9
<b>Average</b>	--	--	--	4095	51.7	13.2	28.5	184.8
<b>Highest</b>	--	--	--	5013	58.0	14.9	32.7	187.5
<b>Lowest</b>	--	--	--	3059	48.6	12.1	25.0	183.0

## Colfax Spring Barley – Preliminary Data

1. Grain yield in the Colfax spring barley trial averaged 4100 pounds/acre. This is a new location for a spring barley trial. The Colfax nursery was located between Colfax and Palouse about 3 miles west of Palouse, WA (Craig Walters, cooperator).
2. This nursery was seeded on 4 May, 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. Spring seeding conditions were good with moisture rated 10 out of 10. Base fertilizer was 90#N, 16#P, and 16#S per acre applied in the spring. The Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 53% compared to a RCBD design. The CV was 7%.
3. Yields ranged from 3060 lb/ac to 5010 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 51.7 lb/bu and ranged from 48.6 lb/bu to 58.0 lb/bu. The hulless cultivars produce the highest test weights. Grain protein averaged 13.2%. The average plant height was 29 inches.