

2009 WSU SPRING BARLEY TRIAL SUMMARY
Precipitation Zone= >20"

VARIETY NAME (6-row in italics)	FARMINGTON	COLFAX	PULLMAN	AVERAGE YIELD	FARMINGTON	COLFAX	PULLMAN	AVERAGE TEST WEIGHT	FARMINGTON	COLFAX	PULLMAN	AVERAGE PROTEIN	
	YIELD (LBS/A)				TW (LBS/BU)				PROTEIN (%)				
LENETAH	6690	4520	5700	5640	50.2	51.2	53.0	51.5	13.1	12.6	12.5	12.7	
CHAMPION	6900	4700	5030	5540	51.6	51.7	53.1	52.1	13.0	12.7	12.7	12.8	
SPAULDING	5680	5010	5480	5390	51.4	52.7	54.2	52.8	12.5	12.4	12.0	12.3	
RWA 1758	6440	4350	5320	5370	51.1	51.0	52.1	51.4	13.2	12.8	12.8	12.9	
04WZN-124	6590	4360	5120	5360	49.8	49.8	50.7	50.1	13.7	12.9	13.7	13.4	
04WA-113.22	6320	4420	5120	5290	49.8	50.7	51.8	50.8	13.9	13.5	13.2	13.5	
05WA-316.99	6300	4570	4980	5280	48.7	50.5	51.2	50.1	12.8	12.8	11.8	12.5	
KENT	6610	4240	4950	5270	50.4	49.7	51.1	50.4	12.9	12.8	11.6	12.4	
TETONIA	6620	4660	4480	5250	51.2	51.3	52.0	51.5	12.9	12.7	10.8	12.1	
BARONESSE	6350	4370	4940	5220	50.2	51.0	51.1	50.8	13.5	12.9	12.2	12.9	
04WA-102.49	6610	4160	4770	5180	50.6	50.5	51.3	50.8	13.3	13.1	12.9	13.1	
05WA-316.K	5750	4600	5120	5160	49.9	50.5	51.0	50.5	13.1	12.8	12.3	12.7	
RADIANT	6200	4370	4880	5150	50.1	50.5	50.7	50.4	13.2	12.7	11.5	12.5	
HARRINGTON	6040	4190	5130	5120	50.0	50.4	52.3	50.9	13.5	13.0	12.5	13.0	
CDC COPELAND	6110	4220	4900	5080	49.7	49.5	52.6	50.6	13.3	12.9	12.1	12.8	
04WA-122.9	5910	4120	4760	4930	50.9	51.1	52.6	51.5	13.6	13.0	12.6	13.1	
2004NZ223	5710	4200	4750	4890	50.8	51.4	52.9	51.7	14.7	13.7	12.8	13.7	
2004NZ170	5570	3990	5090	4880	49.7	49.9	51.3	50.3	13.8	13.1	11.5	12.8	
05WA-325.18	5900	4040	4630	4860	49.4	49.7	51.0	50.0	14.2	13.4	13.2	13.6	
05WA-357.14	5800	3990	4670	4820	50.9	51.2	51.7	51.3	14.1	13.1	12.2	13.1	
05WA-329.49	5850	4030	4510	4800	50.6	50.5	52.0	51.0	13.7	13.8	13.1	13.5	
04WZN-286	6080	3930	4400	4800	50.4	51.6	52.4	51.5	13.2	13.4	12.5	13.0	
05WA-360.24	5490	3920	4890	4770	49.8	50.8	51.3	50.6	13.4	13.6	12.5	13.2	
BOB	5460	3930	4780	4720	50.4	51.2	51.2	50.9	13.8	13.4	12.9	13.4	
LEGACY	5480	3780	4220	4490	48.5	49.3	49.1	49.0	13.2	12.6	12.0	12.6	
2004NZ160	5540	4090	3530	4390	51.0	52.1	52.4	51.8	14.1	13.3	11.5	13.0	
2004NZ052	5150	3860	4050	4350	50.3	50.4	52.4	51.0	14.5	13.4	13.0	13.6	
AC METCALFE	5100	3650	4280	4340	49.5	50.3	51.7	50.5	14.6	13.5	12.6	13.6	
PINNACLE	4250	4040	4340	4210	48.1	51.3	52.1	50.5	12.5	12.1	11.4	12.0	
HAXBY	3380	4180	4720	4090	50.4	52.6	54.0	52.3	14.4	13.0	11.8	13.1	
<i>05WA-328.8</i>	4350	3430	4180	3990	47.2	48.6	49.0	48.3	14.6	13.7	13.4	13.9	
Waxy Hulless													
CLEARWATER	4920	3820	4330	4360	52.5	57.1	57.3	55.6	14.3	13.3	12.2	13.3	
WA 9820-98	4920	3890	3890	4230	56.0	56.6	57.1	56.6	15.1	13.6	12.9	13.9	
03WA-204.22H	4870	3100	4490	4150	57.5	58.0	58.9	58.1	14.4	14.2	13.3	14.0	
01WA-13860.5	4780	3630	3690	4030	50.9	57.7	57.1	55.2	14.7	13.7	13.2	13.9	
MERESSE	3910	3060	3720	3560	56.4	57.3	54.9	56.2	15.0	14.9	14.6	14.8	
STATISTICS					STATISTICS					STATISTICS			
CV (%)	7	7	10	8	1.2	0.8	1.3	1.1	3.1	2.9	3.9	3.3	
LSD (0.10)	520	420	650	310	0.9	0.6	0.9	0.5	0.6	0.5	0.7	0.3	
Average	5660	4100	4660	4800	50.7	51.7	52.5	51.6	13.7	13.2	12.5	13.1	
Highest	6900	5010	5700	5640	57.5	58.0	58.9	58.1	15.1	14.9	14.6	14.9	
Lowest	3380	3060	3530	3560	47.2	48.6	49.0	48.3	12.5	12.1	10.8	12.0	

1. Spring barley grain yield across three locations in the >20" precipitation zone averaged 4800 lb/ac, 650 lb/ac higher than the 2008 average. These trials were analyzed as alpha lattice designs that overall helped to account for within-replication variation and reduced LSD and CV values. The highest value and other values within the LSD range are shown in bold for yield, test weight, and protein. In 2009, the two highest yielding cultivars were relatively recent releases and were significantly higher yielding than Baronesse.
2. Test weight averaged 51.6 lb/bu across locations and entries, with a range of 48.3 lb/bu to 58.1 lb/bu. Test weights averaged 2.7 lb/bu higher than last year. Grain protein averaged 13.1%.