

2012 WSU Variety Testing Barley Trial Summary

Precipitation Zone 16-20"

Variety Name	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	
	Yield (Lbs/A)						Test Wt (Lbs/Bu)						Protein (%)						
	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	
Lenetah	4750	3760	3410	4500	5830	4450	53.5	54.9	54.1	55.4	55.4	54.7	12.4	10.9	11.7	9.3	12.2	11.3	
LSC LN09-0920	4810	3010	3400	4200	6090	4300	52.6	54.9	51.8	53.5	54.2	53.4	13.1	11.9	11.9	8.9	10.9	11.3	
2004NZ170	4590	2970	3430	4590	5800	4280	51.5	54.2	53.4	53.9	52.9	53.2	13.1	12.2	12.1	8.9	10.9	11.4	
Champion	4430	3310	3410	4160	5780	4220	53.2	55.5	54.6	55.8	55.1	54.9	12.6	11.1	12.0	9.0	12.0	11.4	
05WA-316.K	4600	3280	3340	4420	5430	4210	52.0	54.0	53.1	54.4	53.6	53.4	13.3	11.6	12.5	9.4	12.0	11.8	
08WA-140.11	4200	3210	3520	4190	5560	4140	52.0	54.7	54.2	55.0	54.7	54.1	13.2	11.4	12.0	8.7	13.1	11.7	
2004NZ163	4050	2920	3600	4440	5680	4140	52.3	55.6	54.2	54.7	54.2	54.2	13.7	11.9	12.5	9.2	11.4	11.7	
05WA-316.99	4400	2900	3400	4580	5390	4130	50.7	52.5	53.6	54.0	53.0	52.8	13.0	12.7	12.3	9.1	12.3	11.9	
2004NZ151	4240	3030	3150	4490	5740	4130	50.6	55.1	53.6	54.2	53.0	53.3	13.2	11.5	12.0	8.9	11.3	11.4	
Radiant	4240	3210	3450	4280	5240	4090	51.8	54.3	53.6	53.7	54.1	53.5	12.8	11.2	11.9	9.1	11.3	11.3	
08WA-107.8	4290	3230	3450	4060	5320	4070	53.1	55.0	53.9	54.7	52.4	53.8	12.7	11.3	11.9	8.9	12.6	11.5	
Baronesse	4290	3350	3070	4470	5060	4050	51.0	54.3	53.5	54.8	54.2	53.6	13.4	11.2	12.3	9.0	11.9	11.5	
CDC Copeland	3920	3070	3270	4240	5650	4030	51.2	52.8	52.2	53.3	51.8	52.3	13.0	11.4	11.8	8.9	11.5	11.3	
08WA-137.6	4100	2890	3420	4460	5270	4030	51.4	54.3	52.9	54.5	53.4	53.3	13.2	12.5	11.7	8.8	12.8	11.8	
06WA-412.4	4240	2980	2960	4190	5720	4020	52.3	54.6	54.3	55.0	54.5	54.1	13.6	12.1	13.3	9.5	11.8	12.1	
CDC Meredith	4360	3100	3070	4210	5270	4000	51.3	53.2	51.9	53.7	52.0	52.4	13.5	11.6	11.9	8.9	12.8	11.7	
07WA-601.6	4270	3300	3110	3870	5230	3960	50.9	54.5	52.7	54.1	54.3	53.3	13.4	12.0	12.7	9.2	11.9	11.8	
07WA-682.1	4530	2180	3340	4200	5550	3960	52.7	54.0	54.2	55.1	54.5	54.1	12.8	12.7	12.2	8.5	11.9	11.6	
08WA-109.17	3970	2760	3030	4410	5510	3930	51.2	53.7	53.3	54.6	52.9	53.1	13.5	11.9	12.7	8.9	12.2	11.9	
Bob	4290	3140	3110	3930	5050	3900	52.8	54.8	53.5	55.3	54.7	54.2	13.6	12.1	13.1	10.5	12.7	12.4	
08WA-118.12	4190	2560	2900	3980	5710	3870	52.6	53.7	52.8	54.4	55.2	53.7	13.7	12.5	13.3	9.1	11.7	12.1	
Bentley	3880	3040	3350	3980	4890	3830	49.6	52.7	52.0	53.4	53.0	52.2	13.8	11.9	11.9	9.5	12.3	11.9	
2Ab04-X01084-27	4030	2840	3070	4170	4920	3800	48.2	52.2	51.5	53.3	51.2	51.3	13.8	11.7	12.4	9.0	13.1	12.0	
07WA-614.4	4400	2090	2950	3950	5400	3760	51.0	52.1	52.0	53.1	52.5	52.2	13.6	13.6	13.1	8.7	12.2	12.3	
Harrington	3740	2460	3170	4050	5050	3690	51.9	53.5	53.5	54.0	52.2	53.0	13.3	12.9	12.6	9.7	12.9	12.3	
X05013-T267 ¹	3920	2680	2890	3260	5010	3550	51.8	53.4	52.7	53.4	52.6	52.8	14.9	13.7	14.3	11.3	14.0	13.6	
<u>Hulless</u>																			
X05056-T211 ¹	3690	2400	2820	3590	4430	3390	58.4	61.3	61.8	61.2	58.4	60.2	15.2	14.3	14.3	11.6	14.7	14.0	
09WA-265.14 ¹	3380	1980	2310	3450	4900	3200	61.0	62.8	63.5	62.9	62.4	62.5	13.6	13.2	13.8	10.3	13.2	12.8	
Meresse ¹	3540	1600	2180	3350	4870	3110	59.8	61.1	61.1	60.6	61.7	60.9	16.0	15.3	16.4	12.0	14.7	14.9	
2Ab09-X06F058HL-23 ¹	2940	1320	2450	3170	3840	2740	59.6	61.1	63.0	58.1	57.9	60.0	15.7	16.3	15.6	11.7	13.6	14.6	
C.V. %	7	8	8	9	6	8	1.4	1.4	1.1	1.2	1.7	1.4	2.4	4.5	2.7	6.5	6.9	4.7	
LSD (0.10)	320	250	280	390	350	140	0.8	0.8	0.6	0.7	1.0	0.4	0.4	0.6	0.4	0.7	0.9	0.3	
Average	4140	2820	3130	4090	5310	3900	52.7	55.0	54.4	55.1	54.4	54.4	13.6	12.3	12.7	9.5	12.4	12.1	
Highest	4800	3750	3600	4590	6090	4450	61.0	62.8	63.5	62.9	62.4	62.5	16.0	16.3	16.4	12.0	14.7	14.9	
Lowest	2940	1320	2180	3170	3840	2740	48.2	52.1	51.5	53.1	51.2	51.3	12.4	10.9	11.7	8.5	10.9	11.3	

¹ Waxy, High Beta-Glucan

2012 WSU Spring Barley Trial Summary
Precipitation Zone 16-20" – Preliminary Data

1. Hulled and hulless spring barley grain yield across five locations and 30 entries in the 16-20" precipitation zone averaged 3900 lbs/acre, lower than the 2011 average of 4830 lbs/acre.
2. Yields among entries averaged across locations ranged from 2740 to 4450 lbs/acre. 'Lenetah' was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (140 lbs/acre) of the highest yield are shown in bold and this only included Lenetah of the 30 entries.
3. Test weight averaged 54.4 lbs/bu across locations and was similar to the 2011 average of 54.1 lbs/bu. Grain protein in 2012 averaged 12.1% and was also similar to last year's 12.0% protein average. Plump, date head, plant height, and lodging results can be found on individual final site summaries.