

2011 WSU Variety Testing Barley Trial Summary

Precipitation Zone 16-20"

Variety Name (Hulless <i>Italicized</i>)	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 (Lbu/A)						Test Weight (Lbs/A)						Protein (%)					
05WA-316.K	5660	4440	6130	6270	4550	5410	54.6	55.2	54.8	53.1	48.6	53.3	12.9	7.5	11.8	12.1	15.1	11.9
Lenetah	5430	4090	6080	6180	4660	5290	55.7	56.2	55.7	54.2	49.8	54.3	12.6	7.1	12.0	12.2	14.7	11.7
Champion	4830	4150	6220	6610	4620	5290	56.4	56.9	56.3	55.4	50.1	55.0	12.4	7.3	11.7	12.4	14.5	11.7
07WA-649.7	4950	3880	6060	6580	4740	5240	55.7	55.0	56.2	54.6	48.8	54.1	12.5	7.9	11.7	12.5	13.3	11.6
Tetonia	5310	3960	6170	6090	4620	5230	55.1	54.4	55.3	53.5	49.2	53.5	12.0	6.7	11.6	12.3	14.4	11.4
07WA-682.1	5510	3900	6080	6400	4150	5210	56.2	55.8	55.0	54.3	50.3	54.3	12.0	6.7	12.1	12.0	14.7	11.5
Spaulding	5260	3960	6070	6290	4310	5180	56.7	56.3	56.2	55.7	50.5	55.1	11.9	6.8	11.4	11.6	12.8	10.9
Baronesse	5200	4270	6220	6020	4170	5170	54.6	55.4	55.2	53.3	49.3	53.6	12.7	6.9	11.8	12.1	14.7	11.6
07WA-614.4	5460	4300	5810	5520	4570	5130	53.9	53.8	53.6	52.2	50.0	52.7	13.0	8.1	12.4	13.5	14.4	12.3
06WA-458.14	5290	4560	5720	5830	4230	5120	54.7	56.0	54.5	54.2	48.9	53.6	12.7	7.2	12.4	12.6	15.5	12.1
07WA-601.6	5180	4060	5820	6200	4180	5080	55.0	55.7	55.2	53.1	47.3	53.3	12.7	7.8	12.2	11.8	15.1	11.9
07WA-684.17	4970	3920	6240	5420	4820	5070	54.8	55.1	55.3	53.2	48.7	53.4	12.1	7.2	11.6	11.9	14.9	11.5
07WA-677.1	4640	4200	6000	5760	4680	5050	55.9	56.0	56.2	53.9	48.0	54.0	11.7	7.1	11.4	12.5	13.9	11.3
2004NZ151	4930	4000	5670	5320	4980	4980	56.0	55.9	56.1	54.6	49.3	54.4	12.9	8.0	12.6	14.0	14.6	12.4
2004NZ163	5010	3780	5740	6210	4170	4980	56.0	55.5	56.0	54.3	50.6	54.5	12.7	7.2	12.5	12.9	15.1	12.1
2004NZ170	5130	3800	6060	5600	4180	4950	55.4	55.0	55.2	53.7	49.6	53.8	12.5	7.3	11.7	12.1	14.9	11.7
04WA-113.22	4830	3920	5390	5820	4750	4940	55.6	56.0	55.0	53.4	50.3	54.1	13.9	6.8	12.8	13.1	14.4	12.2
07WA-658.8	4300	3480	5610	5890	5080	4870	54.9	55.2	55.2	53.2	50.4	53.8	13.3	6.5	12.4	13.2	14.5	12.0
05WA-316.99	4320	4040	5750	6190	4010	4860	54.2	54.6	54.7	52.1	48.1	52.8	12.9	7.3	12.2	12.6	14.0	11.8
07MB-390	4670	3470	5690	5970	4270	4820	54.3	54.4	54.8	53.1	48.8	53.1	13.1	7.6	12.3	13.1	14.6	12.1
07WA-630.19	4440	3670	5510	5590	4440	4730	56.0	55.7	56.1	54.1	51.2	54.6	13.1	6.7	13.2	13.1	14.4	12.1
Newdale	5020	3490	5640	5770	3620	4710	54.6	53.6	54.8	52.6	48.7	52.8	13.0	7.7	12.5	12.8	14.6	12.1
2Ab17271	4670	3920	5730	5730	3430	4700	54.8	53.2	53.5	52.9	50.4	53.0	12.9	6.9	11.1	12.4	14.0	11.5
2004NZ223	5000	3500	5210	5470	4230	4680	56.2	55.2	55.6	54.7	50.0	54.3	12.5	8.0	13.3	12.7	14.0	12.1
CDC Copeland	4990	3550	5100	5620	4110	4670	53.6	52.7	53.4	52.0	48.3	52.0	12.8	7.5	12.5	13.0	14.5	12.1
Harrington	4400	3470	5500	5650	4330	4670	54.4	54.3	54.3	53.0	49.3	53.1	13.1	7.5	12.7	12.3	14.4	12.0
AC Metcalfe	4830	3530	5530	5720	3610	4650	54.7	55.3	55.1	53.1	49.7	53.6	13.2	8.4	12.6	13.6	14.9	12.5
2Ab04-X01084-27	4830	3510	5660	5300	3860	4630	53.7	54.1	53.4	50.4	47.0	51.7	12.2	7.3	12.1	12.4	14.7	11.7
Radiant	4960	3640	5380	4960	4170	4620	54.1	54.5	54.3	52.2	48.2	52.7	12.7	7.1	11.8	12.8	14.5	11.8
CDC Meredith	5090	3550	5760	5530	3150	4610	53.8	53.2	53.2	50.6	47.9	51.7	11.9	8.1	11.9	12.3	14.7	11.8
Bentley	4880	3500	5590	5680	3320	4590	53.3	53.9	54.0	52.2	46.6	52.0	12.9	7.7	12.1	12.3	14.7	11.9
WAS 2	4200	3510	5030	5200	4940	4580	55.6	55.2	55.1	53.8	50.0	53.9	13.9	7.6	13.3	13.7	15.0	12.7
Bob	4220	3390	5150	5050	4040	4370	55.8	55.9	55.5	53.9	50.1	54.2	13.8	7.8	13.2	13.3	15.2	12.6
<i>Clearwater</i>	3770	3260	4780	5230	3840	4180	61.6	62.2	61.8	60.1	54.3	60.0	12.8	6.8	13.0	12.5	15.5	12.1
WAS 4	3710	3060	4510	5450	3710	4090	61.7	62.4	62.3	61.4	51.5	59.9	13.7	7.4	12.9	13.3	15.4	12.5
<i>Meresse</i>	3780	2890	4030	3970	3630	3660	61.3	61.9	60.9	59.5	54.9	59.7	15.5	7.2	15.4	13.8	16.3	13.6
CV (%)	8	9	5	11	15	10	0.6	1.1	0.8	1.4	2.1	1.3	3.6	12.0	3.5	7.8	3.6	5.8
LSD (0.10)	390	370	310	640	690	220	0.3	0.7	0.5	0.8	1.1	0.3	0.5	0.9	0.5	1.0	0.6	0.3
Average	4820	3770	5630	5720	4230	4830	55.6	55.6	55.6	53.9	49.6	54.1	12.8	7.4	12.3	12.7	14.6	12.0
Highest	5660	4550	6240	6610	5080	5410	61.7	62.4	62.3	61.4	54.9	60.0	15.5	8.4	15.4	14.0	16.3	13.6
Lowest	3710	2890	4030	3970	3150	3660	53.3	52.7	53.2	50.4	46.6	51.7	11.7	6.5	11.1	11.6	12.8	10.9

2011 WSU Spring Barley Trial Summary Precipitation Zone 16-20" - Preliminary Data

1. Hulled and hulless spring barley grain yield across five locations and 36 entries in the 16-20" precipitation zone averaged 4830 lbs/acre, and that is higher than the 2010 average of 4460 lbs/acre. The CV for the average data is 10 due to higher variability from severe lodging at Walla Walla. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 3660 to 5410 lbs/acre. Lenetah and Champion tied as the highest yielding named entries averaged across locations. Average yield values within the 10% LSD range (220 lbs/acre) of the highest yield are shown in bold and this included 6 of the 36 entries.
3. Test weight averaged 54.1 lb/bu across locations and entries and was higher than last year's 49.8 lb/bu average. Grain protein averaged 12.0% and was lower than last year's 12.9% protein value. Plump, date head, plant height, and lodging data can be found on individual site summaries.