

2011 WSU Variety Testing Barley Trial Summary

Precipitation Zone <16"

Variety Name (<i>Hulless Italicized</i>)	Almira	Bickleton	Lamont	Average		Almira	Bickleton	Lamont	Average		Almira	Bickleton	Lamont	Average
07WA-601.6	5900	1460	5850	4400		53.2	50.1	53.0	52.1		12.1	13.1	11.0	12.1
05WA-316.99	6050	1200	5590	4280		54.5	49.5	52.4	52.1		8.6	12.9	10.9	10.8
2004NZ151	5580	1300	5930	4270		54.9	51.8	54.3	53.7		11.5	14.0	11.0	12.2
07WA-682.1	5220	1430	5900	4180		55.2	51.2	54.3	53.6		9.8	13.3	10.3	11.2
2004NZ170	5370	1390	5730	4160		54.6	51.0	53.5	53.0		9.7	13.6	10.8	11.4
Lenetah	5580	1310	5520	4140		54.5	51.0	54.2	53.3		11.4	14.1	10.6	12.0
07WA-684.17	5330	1170	5870	4120		55.0	49.7	53.1	52.6		10.5	12.6	10.8	11.3
05WA-316.K	5530	1030	5760	4110		53.6	50.7	52.6	52.3		10.9	13.2	10.5	11.5
Champion	5260	1400	5640	4100		55.5	51.0	54.7	53.7		10.0	13.3	11.0	11.5
07WA-614.4	5100	1480	5680	4090		51.0	49.3	51.2	50.5		12.7	13.2	11.1	12.3
Bob	5660	1220	5320	4070		55.3	49.9	53.9	53.0		9.8	13.7	11.9	11.8
Spaulding	5430	1160	5590	4060		55.3	52.0	54.8	54.1		10.8	12.2	10.7	11.3
CDC Meredith	5190	1030	5870	4030		52.5	49.1	51.7	51.1		8.6	13.5	10.5	10.8
04WA-113.22	5410	1280	5400	4030		54.9	50.6	53.3	52.9		9.0	14.0	11.8	11.6
07WA-677.1	5320	1050	5720	4030		55.8	50.7	53.9	53.4		8.6	12.4	10.6	10.5
Tetonia	5180	1310	5460	3980		55.0	50.2	53.3	52.8		11.2	12.1	10.2	11.2
06WA-458.14	4900	1190	5830	3970		53.3	49.3	54.5	52.4		10.0	14.3	10.1	11.4
CDC Copeland	4930	1490	5300	3910		51.9	49.9	51.8	51.2		13.4	12.6	11.5	12.5
Bentley	4950	1420	5290	3890		53.8	49.0	52.2	51.7		9.6	13.1	10.5	11.1
07WA-649.7	5080	980	5610	3890		54.8	51.5	54.5	53.6		10.5	13.4	10.5	11.5
Radiant	4990	1000	5620	3870		54.7	50.2	53.3	52.7		8.5	12.9	9.9	10.4
2004NZ163	4920	1050	5650	3870		56.7	51.6	54.3	54.2		10.2	14.1	10.9	11.7
2Ab17271	4930	990	5590	3840		53.1	49.7	52.5	51.8		11.7	13.8	11.0	12.2
07WA-658.8	5070	1240	5220	3840		55.1	49.2	53.3	52.5		10.3	13.1	11.4	11.6
Baronesse	4920	880	5700	3830		54.2	49.2	53.0	52.2		10.6	14.0	11.2	11.9
2Ab04-X01084-27	5200	860	5400	3820		53.6	47.8	52.1	51.2		9.1	12.7	11.3	11.0
AC Metcalfe	4790	1160	5440	3800		53.3	49.5	53.3	52.1		12.6	13.3	11.2	12.4
07WA-630.19	4770	1290	5150	3740		55.3	51.5	53.6	53.5		9.9	13.8	11.6	11.8
Newdale	4930	1370	4860	3720		54.6	49.8	52.4	52.3		8.9	13.6	10.9	11.1
07MB-390	5190	1010	4940	3710		54.9	49.5	52.3	52.2		9.8	14.2	11.2	11.7
WAS 2	5050	1450	4540	3680		55.1	51.3	53.3	53.2		9.9	12.7	11.8	11.5
2004NZ223	5020	1100	4940	3680		54.8	51.0	54.0	53.3		10.9	13.1	10.7	11.6
Harrington	4730	1180	5070	3660		54.5	49.5	53.3	52.4		12.0	13.6	11.5	12.4
<i>Clearwater</i>	4910	910	4670	3500		62.7	56.5	59.9	59.7		11.1	12.9	10.8	11.6
WAS 4	4270	1000	4290	3190		61.8	56.9	61.3	60.0		11.3	12.6	10.5	11.5
<i>Meresse</i>	3780	1460	3940	3060		62.6	55.5	58.6	58.9		9.4	14.2	12.5	12.0
CV (%)	9	32	5	10		2.2	2.0	0.8	1.8		19.4	4.6	5.2	10.9
LSD (0.10)	480	400	280	230		1.3	1.1	0.5	0.6		2.1	0.6	0.6	0.8
Average	5120	1200	5390	3900		55.1	50.7	53.8	53.2		10.4	13.3	11.0	11.6
Highest	6040	1490	5930	4400		62.7	56.9	61.3	60.0		13.4	14.3	12.5	12.5
Lowest	3780	860	3940	3060		51.0	47.8	51.2	50.5		8.5	12.1	9.9	10.4

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

1. Hulled and hulless spring barley grain yield across three locations and 36 entries in the <16" precipitation zone averaged 3900 lbs/acre, and that is lower than the 2010 average of 4400 lbs/acre. The CV for the average data is 10 due to high variability at Bickleton. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 3060 to 4400 lbs/acre. Lenetah was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (230 lbs/acre) of the highest yield are shown in bold and this included 4 of the 36 entries.
3. Test weight averaged 53.2 lb/bu across locations and entries and was higher than last year's 49.2 lb/bu average. Grain protein averaged 11.6% and was lower than last year's 13.8% protein value. Plump, date head, plant height, and lodging data can be found on individual site summaries.