

2021 WSU Variety Testing Spring Barley Trial Summary

Precipitation Zone - 16-20"

Variety Name (Malt Italicized)	DAYTON	MAYVIEW	ST. JOHN	WALLA WALLA	AVERAGE	DAYTON	MAYVIEW	ST. JOHN	WALLA WALLA	AVERAGE	DAYTON	MAYVIEW	ST. JOHN	WALLA WALLA	AVERAGE
	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
Released Varieties															
<i>KWS Jessie</i>	5370	5140	5370	6800	5750	48.5	49.5	52.6	51.5	50.6	11.1	10.4	11.0	11.3	10.9
<i>KWS Willis</i>	5390	5010	5140	7320	5670	48.8	49.2	52.4	51.9	50.7	11.6	10.6	10.8	11.4	11.0
Oreana	5380	4470	5700	6910	5620	50.3	50.7	53.7	52.8	52.0	11.7	11.0	11.3	11.6	11.2
<i>BC Lexy</i>	5190	4840	4840	6880	5460	46.4	49.1	48.4	52.3	48.9	11.6	10.2	11.3	11.5	11.3
<i>KWS Amadora</i>	4990	4600	4970	6960	5430	51.0	50.4	53.3	53.1	51.9	11.3	10.8	10.9	11.3	11.2
Claymore	4860	4040	5260	7150	5280	48.4	49.1	51.5	53.5	50.4	12.1	11.7	11.3	10.8	11.5
Altorado	4960	3780	5510	6740	5270	50.5	51.3	53.5	53.7	52.2	11.6	11.1	12.0	12.9	12.1
<i>BC Leandra</i>	4880	4270	4940	6140	5070	46.8	47.7	52.4	51.6	49.7	11.8	10.8	11.3	11.6	11.3
<i>BC Ellinor</i>	4190	3930	5260	6480	5060	44.0	46.8	49.6	51.3	48.0	11.3	11.1	10.9	12.0	11.3
<i>LCS Opera</i>	4510	4280	5010	6120	5030	46.2	47.8	49.8	52.0	48.9	11.1	10.3	11.1	10.7	10.7
Lyon	4680	3970	4970	6260	4960	50.0	51.4	53.3	52.7	51.8	12.1	11.8	11.2	12.5	11.8
<i>LCS Odyssey</i>	4040	3810	4880	6840	4890	46.2	47.2	51.2	52.3	49.2	12.2	11.3	11.6	12.1	11.9
Lenetah	4810	3640	5130	5930	4760	51.4	51.6	54.6	53.9	52.8	12.2	11.7	11.3	13.0	12.0
<i>Palmer</i>	4310	3250	4820	5660	4530	50.2	50.2	52.6	52.6	51.6	12.6	12.5	12.4	14.3	12.9
<i>ACC Synergy</i>	4040	3320	4450	5910	4440	50.5	50.4	52.7	52.7	51.6	12.3	11.6	11.7	12.0	12.1
<i>CDC Copeland</i>	3870	2760	4390	6180	4360	47.9	47.0	50.6	52.6	49.5	12.8	12.2	12.4	12.4	12.5
Survivor	3880	3300	4820	5460	4340	51.7	52.1	54.3	53.3	52.7	13.6	12.8	12.6	13.5	13.2
<i>ACC Connect</i>	4280	2890	3990	5790	4160	50.8	50.3	53.7	53.1	51.9	12.7	12.3	12.8	12.6	12.6
Experimental Lines															
HO516-579	4640	4270	5670	7040	5510	47.3	49.9	52.0	52.5	50.6	12.3	10.9	11.4	11.5	11.4
HO516-429	4910	4310	5360	6640	5220	48.8	50.1	52.1	53.5	51.1	12.2	11.6	12.0	11.1	11.7
<i>14WAIF-3613.2</i>	4810	4160	4700	6230	5000	51.1	52.4	53.9	54.0	53.0	12.2	11.9	12.1	11.8	11.9
<i>14WAIM-3604.29</i>	4700	3790	4740	5860	4690	50.2	50.6	52.6	52.7	51.5	12.0	11.4	11.5	12.2	11.9
<i>14WAIM-3620.68</i>	4120	2850	4320	6260	4310	50.5	49.6	53.1	53.8	51.7	12.4	12.8	12.1	12.0	12.2
C.V. %	8	6	10	2	8	1.7	2.1	1.9	0.9	1.9	4.2	3.7	3.0	4.2	6.3
LSD (0.05)	690	440	1090	240	330	1.8	2.3	2.2	0.8	0.8	1.0	1.0	0.7	0.9	0.6
Average	4620	3900	4910	6410	4960	49.0	49.6	52.3	52.7	50.9	12.1	11.5	11.7	12.0	11.8
Highest	5390	5140	5700	7320	5750	51.7	52.4	54.6	54.0	53.0	13.6	13.1	13.1	14.3	13.2
Lowest	3870	2760	3510	5460	4160	44.0	46.8	48.4	51.3	48.0	11.1	10.2	10.8	10.7	10.7

*Some individual locations are analyzed using nearest neighbor analysis due to field variability. Multi-location average analyzed as an RCBD leading to different calculated averages.