

2022 WSU Variety Testing Spring Barley Trial, Dayton

Variety Name <i>Malt Italicized</i>	2022						2 Year	3 Year	5 Year
	Yield (Lbs/A)	Test WT (Lbs/Bu)	Protein (%)	Plump (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
<i>KWS Willis</i>	5390	48.8	11.6	93.8	32	185			
Oreana	5380	50.3	11.7	85.4	29	185	5143	4905	4178
<i>KWS Jessie</i>	5370	48.5	11.1	91.6	28	184	5320		
<i>BC Lexy</i>	5190	46.4	11.6	94.1	31	186			
<i>KWS Amadora</i>	4990	51.0	11.3	92.8	30	185	4842		
Altorado	4960	50.5	11.6	80.3	31	183	4837	4759	4193
<i>BC Leandra</i>	4880	46.8	11.8	89.0	30	185			
Claymore	4860	48.4	12.1	79.6	36	186	4629	4502	3985
Lenetah	4810	51.4	12.2	90.8	34	185	4939	4894	4347
Lyon	4680	50.0	12.1	90.1	32	183			
<i>LCS Opera</i>	4510	46.2	11.1	87.3	27	186	4805	4746	4642
<i>Palmer</i>	4310	50.2	12.6	90.1	36	184	4223	4195	3802
<i>ACC Connect</i>	4280	50.8	12.7	92.1	35	186			
<i>BC Ellinor</i>	4190	44.0	11.3	88.4	32	187			
<i>LCS Odyssey</i>	4040	46.2	12.2	90.1	30	187	4387	4349	3857
<i>ACC Synergy</i>	4040	50.5	12.3	91.9	38	185			
Survivor	3880	51.7	13.6	93.0	34	183	3984	4081	3681
<i>CDC Copeland</i>	3870	47.9	12.8	85.7	39	187			
Experimental Lines									
HO516-429	4910	48.8	12.2	86.2	37	184			
<i>14WAI-3613.2</i>	4810	51.1	12.2	89.3	33	184			
<i>14WAIM-3604.29</i>	4700	50.2	12.0	90.5	32	184			
HO516-579	4640	47.3	12.3	63.2	26	186	5093		
<i>14WAIM-3620.68</i>	4120	50.5	12.4	86.3	40	187			
C.V.	8	1.7	4.2	3.8	5	0.4	9	9	9
LSD	690	1.8	1.0	7.4	4	2	482	396	259
Average	4620	49.0	12.1	87.7	33	185	4745	4554	4071
Highest	5390	51.7	13.6	94.1	41	189	5320	4905	4642
Lowest	3870	44.0	11.1	63.2	26	183	3984	4081	3681

Agronomic Information

Planting Date:	4/29/2022
Harvest Date:	9/15/2022
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	94
P ₂ O ₅ (lb/ac) 1-ft sample	158
S (lb/ac) 2-ft sample	19
pH (top 6 inches)	6.3

Trial Notes:

1. The nursery was located approximately 3 miles northeast of Dayton, WA.
2. The nursery was fertilized prior to seeding at a rate of 90N, 14S by the cooperator. An additional 58N was applied after spring soil sampling.
3. Overall yield was the same and test weight was 3.3 lb/bu less than in 2020. 2021 data not published.

Cooperator: Justin Ingram

Herbicides: Axial (16.4oz), Huskie (15oz), Miravis Ace (7oz), Tilt (2oz), and Zidua (4oz) were applied on May 23. Nexicor (13oz) was applied on July 1.