

2022 WSU Variety Testing Spring Barley Trial, Farmington

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>	6890	50.2	10.2	97.3	26	--			
<i>LCS Odyssey</i>	6810	50.5	10.0	97.0	28	--	4449	4694	5074
<i>LCS Opera</i>	6790	50.3	9.9	95.7	27	--	4455	4539	4984
<i>BC Lexy</i>	6780	50.0	9.3	96.0	28	--			
<i>KWS Jessie</i>	6690	51.3	9.4	97.3	26	--	4685	4635	
Altorado	6630	52.8	9.8	94.0	31	--	4462	4446	5012
<i>BC Ellinor</i>	6610	48.6	9.7	95.0	29	--	4635		
Claymore	6590	51.5	10.7	95.0	35	--	4718	4746	5028
Lyon	6480	51.9	10.3	95.0	31	--			
<i>KWS Amadora</i>	6330	51.2	9.7	95.3	26	--	4468	4419	
<i>BC Leandra</i>	6230	49.6	10.0	96.7	28	--	4555		
<i>CDC Copeland</i>	6180	51.2	10.0	95.7	36	--			
<i>ACC Synergy</i>	5920	49.9	10.5	95.3	32	--			
Oreana	5920	52.0	10.5	96.3	28	--	4376	4626	4972
<i>Palmer</i>	5910	51.1	11.3	95.0	36	--	4024	4027	4440
Lenetah	5720	52.2	11.1	93.3	33	--	4065	4385	4894
Survivor	5680	52.9	10.7	96.0	32	--	4199	4016	4484
<i>ACC Connect</i>	5440	50.3	11.5	92.3	34	--			
Experimental Lines									
HO516-579	6610	51.9	10.4	93.0	25	--	4664	4777	
HO516-429	6170	52.2	10.2	94.7	36	--			
<i>14WAIM-3604.29</i>	6160	51.4	10.2	95.3	31	--			
<i>14WAIIF-3613.2</i>	5930	51.9	10.7	94.7	32	--			
<i>14WAIM-3620.68</i>	5770	52.5	10.3	95.7	35	--			
C.V.	6	1.1	4.6	1.1	5	--	10	10	10
LSD	690	1.2	0.9	2.3	4	--	NS	434	340
Average	6250	51.2	10.3	95.3	31	--	4443	4483	4861
Highest	6890	52.9	11.5	97.3	38	--	4718	4777	5074
Lowest	5440	48.6	9.3	92.3	25	--	4024	4016	4440

Agronomic Information

Planting Date:	4/22/2022
Harvest Date:	9/12/2022
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	165
P ₂ O ₅ (lb/ac) 1-ft sample	183
S (lb/ac) 2-ft sample	34
pH (top 6 inches)	5.1

Herbicides: Anthem Flex (3.5oz) was applied on May 1.

Axial (16.4oz), Huskie (15oz), Miravis Ace (7oz), Tilt (2oz), and Zidua (4oz) were applied on May 20.

Trial Notes:

1. The nursery was located approximately 4 miles south of Farmington, WA.
2. The nursery was fertilized at seeding at a rate of 32N, 8P, 20K, 20S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 141% greater test weight was 2.6 lb/bu more than in 2021.

Cooperator: Andrew Nelson