

2022 WSU Variety Testing Spring Barley Trial, Palouse

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>	7080	51.2	10.1	97.4	27	--			
Oreana	6520	52.6	10.8	96.1	30	--	6545	6450	6311
Claymore	6510	53.0	10.4	97.2	37	--	6110	6425	6115
Altorado	6500	53.9	11.2	95.3	33	--	6641	6609	6206
<i>KWS Jessie</i>	6470	50.8	10.4	96.3	27	--			
<i>BC Leandra</i>	6450	51.0	10.6	97.5	28	--			
<i>KWS Amadora</i>	6380	52.2	10.6	96.6	26	--			
<i>BC Lexy</i>	6250	51.4	10.2	97.3	26	--			
<i>LCS Odyssey</i>	6180	51.7	10.9	97.4	28	--	6508	6642	6059
<i>BC Ellinor</i>	6130	50.5	10.8	96.8	28	--			
Lenetah	6020	53.8	11.0	95.6	35	--	6202	6565	6236
Lyon	5930	52.9	10.8	95.7	33	--			
Survivor	5830	53.1	12.3	95.9	34	--	6114	5961	5626
<i>ACC Connect</i>	5760	52.0	11.6	96.5	37	--			
<i>CDC Copeland</i>	5730	52.1	10.8	96.1	39	--			
<i>LCS Opera</i>	5720	51.3	9.6	96.1	31	--	6677	6706	
<i>ACC Synergy</i>	5570	51.7	11.3	97.0	35	--			
<i>Palmer</i>	5560	52.9	11.9	97.2	36	--	6211	6420	6152
Experimental Lines									
<i>14WAIM-3620.68</i>	6310	53.7	11.0	96.7	36	--			
HO516-579	6240	52.5	10.7	93.9	25	--			
<i>14WAIM-3604.29</i>	6200	52.2	10.6	95.9	31	--			
<i>14WAIF-3613.2</i>	6150	53.6	11.5	95.5	34	--			
HO516-429	6000	53.2	11.4	97.9	38	--			
C.V.	5	0.8	3.1	0.9	4	--	8	10	11
LSD	570	1.0	0.8	1.8	2	--	NS	NS	NS
Average	6130	52.3	10.9	96.4	32	--	6376	6472	6101
Highest	7080	53.9	12.3	97.9	39	--	6677	6706	6311
Lowest	5510	50.5	9.6	93.9	25	--	6110	5961	5626

Agronomic Information

Planting Date:	4/8/2022
Harvest Date:	9/5/2022
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	118
P ₂ O ₅ (lb/ac) 1-ft sample	216
S (lb/ac) 2-ft sample	26
pH (top 6 inches)	5.7

Herbicides: Huskie, Dagger, Axial Bold, and Tilt were applied on June 1.

Trial Notes:

1. The nursery was located approximately 7 miles northwest of Palouse, WA.
2. The nursery was fertilized prior to seeding at a rate of 100N, 12P, 15S by the cooperator. An additional 116N was applied after spring soil sampling.
3. Overall yield was the same and test weight was 2.8 lb/bu less than in 2019 (last year with data).

Cooperator: David Lange