

2022 WSU Variety Testing Spring Barley Trial, St. John

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									
Oreana	5700	53.7	11.3	89.0	28	179	3446	4373	5488
Altorado	5510	53.5	12.0	78.2	32	178	3433	4090	5114
KWS Jessie	5370	52.6	11.0	87.9	25	179	3334	4052	
BC Ellinor	5260	49.6	10.9	87.2	28	181	3238		
Claymore	5260	51.5	11.3	86.3	33	179	3111	4153	5338
KWS Willis	5140	52.4	10.8	90.6	26	180			
Lenetah	5130	54.6	11.3	90.4	32	179	2854	3759	
LCS Opera	5010	49.8	11.1	84.9	28	182	3252	4167	5220
Lyon	4970	53.3	11.2	87.6	31	178			
KWS Amadora	4970	53.3	10.9	91.3	28	179	3400	4006	
BC Leandra	4940	52.4	11.3	91.6	27	180	3517		
LCS Odyssey	4880	51.2	11.6	90.3	29	181	2929	3942	5121
BC Lexy	4840	48.4	11.3	84.8	27	181			
Palmer	4820	52.6	12.4	89.6	35	179	3041	3663	4676
Survivor	4820	54.3	12.6	96.2	34	178	2915	3396	4418
ACC Synergy	4450	52.7	11.7	93.0	37	180			
CDC Copeland	4390	50.6	12.4	83.0	38	182			
ACC Connect	3990	53.7	12.8	86.7	36	180			
Experimental Lines									
HO516-579	5670	52.0	11.4	72.6	26	180	3336	4299	
HO516-429	5360	52.1	12.0	89.3	36	179			
14WAIM-3604.29	4740	52.6	11.5	91.2	31	179			
14WAIIF-3613.2	4700	53.9	12.1	88.1	31	178			
14WAIM-3620.68	4320	53.1	12.1	90.1	37	182			
C.V.	10	1.9	3.0	4.6	5	0	12	12	9
LSD	1090	2.2	0.7	9.1	3	2	NS	435	341
Average	4910	52.3	11.7	87.7	31	180	3212	3989	5053
Highest	5700	54.6	13.1	96.2	38	183	3517	4373	5488
Lowest	3510	48.4	10.8	72.6	25	178	2854	3396	4418

Agronomic Information

Planting Date:	4/7/2022
Harvest Date:	9/5/2022
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	380
P ₂ O ₅ (lb/ac) 1-ft sample	145
S (lb/ac) 2-ft sample	43
pH (top 6 inches)	5.5

Trial Notes:

1. The nursery was located approximately 3 miles southeast of St. John, WA.
2. The nursery was fertilized prior to seeding at a rate of 75N, 10P, 10K by the cooperator. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 9% less and test weight was 2.3 lb/bu less than in 2020 (no data in 2021).

Cooperator: Rod Mills

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

Nexicor (13oz) was applied on June 27.