

2022 WSU Variety Testing Spring Barley Trial, Endicott

Variety Name <i>Malt Italicized</i>	2022						2 Year	3 Year	4 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	5420	52.4	9.4	91.8	29	169	3197	3987	3641
<i>BC Ellinor</i>	5280	49.9	9.7	94.5	29	171	2962		
<i>KWS Willis</i>	5190	51.0	9.4	95.3	28	169			
<i>KWS Jessie</i>	5170	50.1	9.1	93.8	27	169	3011	4103	
<i>KWS Amadora</i>	5060	52.0	9.8	90.5	27	167	3022	3805	
Altorado	5060	52.2	9.8	84.9	28	167	2970	3793	3674
<i>LCS Odyssey</i>	5020	51.4	9.0	93.6	28	169	2945	3916	3514
<i>LCS Opera</i>	4950	50.9	9.4	91.8	28	172	2856	3980	4125
Claymore	4820	51.9	9.3	90.0	32	168	2819	3652	3497
<i>BC Leandra</i>	4780	50.2	9.2	93.4	25	168	2882		
<i>BC Lexy</i>	4770	50.0	8.8	94.5	27	170			
<i>Palmer</i>	4590	51.7	10.3	93.3	33	167	2697	3644	3593
Lyon	4540	51.1	10.6	88.1	30	166			
Lenetah	4540	52.6	8.9	92.7	30	168	2629	3641	3467
Survivor	4540	52.1	9.8	89.9	30	167	2745	3411	3306
<i>ACC Synergy</i>	4440	50.5	9.6	95.6	36	168			
<i>CDC Copeland</i>	4130	50.6	9.4	93.9	38	171			
<i>ACC Connect</i>	3890	50.4	10.8	91.7	36	168			
Experimental Lines									
<i>14WAI/F-3613.2</i>	4650	53.0	10.1	91.3	32	167			
<i>14WAI/M-3604.29</i>	4710	50.9	9.7	91.3	30	169			
<i>14WAI/M-3620.68</i>	4060	52.4	9.0	91.4	36	173			
HO516-429	4930	52.3	9.0	93.6	30	168			
HO516-579	4890	52.1	9.2	76.4	28	170	2896	3983	
C.V.	8	1.1	5.1	2.3	5	1	9	9	12
LSD	730	1.2	1.0	4.6	3	3	NS	321	309
Average	4740	51.3	9.6	91.6	30	169	2894	3810	3589
Highest	5420	53.0	10.8	95.6	38	173	3197	4103	4125
Lowest	3890	49.9	8.8	76.4	25	166	2629	3411	3306

Agronomic Information

Planting Date:	3/29/2022
Harvest Date:	9/5/2022
Seeding Rate (seeds/ft ²):	15
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	135
P ₂ O ₅ (lb/ac) 1-ft sample	191
S (lb/ac) 2-ft sample	43
pH (top 6 inches)	6.3

Trial Notes:

1. The nursery was located approximately 3.5 miles southwest of Endicott, WA.
2. The nursery was fertilized at seeding at a rate of 19N, 5P, 12K, 12S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 445% greater test weight was 6.6 lb/bu more than in 2021.

Cooperator: Monty Miller

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