

2023 WSU Variety Testing Spring Barley Trial, Almira

Variety Name <i>Malt Italicized</i>	2023						2 Year*	3 Year*	4 Year*
	Yield (Lbs/A)	Test WT (Lbs/Bu)	Protein (%)	Plump (%)	Plant HT (In)	Head Date	Average (Lbs/A)	Average (Lbs/A)	Average (Lbs/A)
Released Varieties									
<i>LCS Diablo</i>	5250	50.1	10.8	99	28	177			
<i>KWS Thalís</i>	5190	52.1	10.3	99	25	174	3250		
<i>KWS Fantex</i>	5050	51.2	10.7	96	26	175	3080	3110	
<i>KWS Willis</i>	4980	50.8	10.4	98	26	175			
Lenetah	4950	53.5	10.5	98	30	175	3170	3260	3450
<i>BC Lexy</i>	4920	51.0	10.8	98	25	177			
Oreana	4840	52.1	11.0	96	26	175	3180	3300	3570
<i>KWS Jessie</i>	4760	50.9	10.8	96	25	175	3100	3220	
Survivor	4760	53.3	10.7	97	30	174	3230	3230	3430
Altorado	4730	53.1	10.7	87	27	176	3140	3280	3450
<i>BC Leandra</i>	4720	50.2	10.0	97	25	176	2920		
Carleton (HO517-245)	4600	53.2	9.7	91	28	174			
Claymore	4520	51.5	10.4	90	31	175	2880	3080	3210
<i>ACC Connect</i>	4230	51.7	11.2	96	32	173			
OSU Successor	3300	53.1	11.1	98	26	169			
Experimental Lines									
HO516-429	4950	52.5	10.9	95	30	174			
<i>LGBU17-8509-B</i>	4890	50.3	10.8	98	26	177			
<i>S14230-41513</i>	4660	51.7	11.4	98	26	176			
<i>S15009-41615</i>	4650	51.8	11.0	97	26	176			
YU518-415	4560	52.7	10.7	89	29	174			
<i>20WAM-721.1</i>	4420	52.4	11.6	93	29	175			
<i>20WAM-783.1</i>	4280	52.6	11.6	96	30	174			
<i>20WAM-248.1</i>	4060	52.3	11.8	97	30	173			
<i>20WAM-487.1</i>	4010	52.5	12.0	97	29	172			
C.V.	7	1.0	5.4	2	5	0	9	8	9
LSD	440	0.7	0.8	3	2	1	260	210	200
Average	4640	51.9	10.9	96	28	175	3110	3210	3420
Highest	5250	53.5	12.0	99	32	177	3250	3300	3570
Lowest	3300	50.1	9.7	87	25	169	2880	3080	3210

*2023, 2021, 2020, and 2019 used in multi-year analyses.

Agronomic Information

Planting Date:	4/26/2023
Harvest Date:	8/21/2023
Seeding Rate (seeds/ac):	1,045,000
Previous Crop:	Spring Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	69
P ₂ O ₅ (lb/ac) 1-ft sample	108
S (lb/ac) 2-ft sample	19
pH (top 6 inches)	5.3

Trial Notes:

1. The nursery was located approximately 6.5 miles southeast of Grand Coulee, WA.
2. The nursery was fertilized at seeding at a rate of 16N, 40P, 19K, 10S, and 15Cl. No additional fertilizer was applied after spring soil sampling.
3. Yield was 239% greater and test weight was 13.0 lb/bu more compared to 2021. 2022 data not published.

Cooperator: Dan McKay

Herbicides: Axial (16oz), Talinor (16oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 18, 2023.