

2023 WSU Variety Testing Spring Barley Trial, Fairfield

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									
Claymore	5530	52.9	9.8	96	29	179	5120	4080	4370
<i>LCS Diablo</i>	5290	50.4	10.3	99	27	183			
<i>BC Leandra</i>	5200	51.3	10.0	99	24	183	4670	3670	
<i>KWS Jessie</i>	5050	52.0	10.0	99	25	179	4800	3770	4450
Carleton (HO517-245)	4990	53.3	10.0	95	26	180			
Oreana	4980	53.0	11.2	98	26	181	4820	3870	4420
Altorado	4900	54.2	10.1	95	28	179	4700	3770	4180
<i>BC Lexy</i>	4860	51.4	11.0	99	26	184	4760		
<i>KWS Fantex</i>	4750	51.6	11.3	98	25	182			
Survivor	4720	54.0	10.9	97	28	179	4410	3600	3470
Lenetah	4690	53.4	10.9	98	29	183	4590	3550	3980
<i>KWS Thalís</i>	4620	52.1	10.8	98	24	179			
<i>KWS Willis</i>	4610	50.8	10.8	99	25	182	4660		
<i>AAC Connect</i>	4310	51.1	11.1	97	27	179	3800		
OSU Successor	3830	53.1	11.3	98	24	172			
Experimental Lines									
HO516-429	5680	53.4	9.9	97	29	180	5270		
<i>20WAM-721.1</i>	5280	52.0	10.9	98	26	179			
YU518-415	5020	53.3	11.1	97	28	179			
<i>LGBU17-8509-B</i>	4710	51.3	11.5	99	25	185			
<i>S15009-41615</i>	4660	52.8	11.0	99	25	184			
<i>S14230-41513</i>	4560	52.0	10.6	99	27	180			
<i>20WAM-783.1</i>	4560	53.4	10.9	99	27	179			
<i>20WAM-248.1</i>	4310	52.8	11.5	97	27	178			
<i>20WAM-487.1</i>	4100	53.0	12.0	98	27	178			
C.V.	10	0.8	6.1	1	5	1	8	8	13
LSD	650	0.6	0.9	1	2	2	370	250	370
Average	4800	52.4	10.8	98	26	180	4690	3760	4140
Highest	5680	54.2	12.0	99	29	185	5270	4080	4450
Lowest	3830	50.4	9.8	95	24	172	3800	3550	3470

Agronomic Information

Planting Date:	5/2/2023
Harvest Date:	8/24/2023
Seeding Rate (seeds/ac):	1,175,000
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	63
P ₂ O ₅ (lb/ac) 1-ft sample	70
S (lb/ac) 2-ft sample	21
pH (top 6 inches)	5.2

Trial Notes:

1. The nursery was located approximately 5 miles east of Fairfield, WA.
2. The nursery was fertilized at seeding at a rate of 32N, 80P, 38K, 20S, and 30Cl. No additional fertilizer was applied after spring soil sampling.
3. Yield was 12% greater and test weight was 1.3 lb/bu more compared to 2022.

Cooperator: David Degon

Herbicides: Axial (15oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 23, 2023.