

2021 WSU Variety Testing Spring Barley Trial, Fairfield

Variety Name <i>Malt Italicized</i>	2021						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>LCS Opera</i>	2210	50.9	12.4	95.0	18	--	3760	4130	
<i>KWS Fantex</i>	2180	50.2	13.2	88.6	17	--	3570		
<i>BC Elinor</i>	2140	49.6	12.9	85.0	19	--			
Oreana	2020	50.6	13.6	86.6	17	--	4050	4070	3780
Claymore	1990	49.7	13.0	88.5	19	--	3630	3730	3500
Survivor	1950	50.2	13.4	84.6	18	--	2530	3120	3000
<i>KWS Thalys</i>	1930	50.6	13.4	90.0	17	--			
Altorado	1910	49.6	13.5	81.6	18	--	3650	3970	3790
<i>LCS Odyssey</i>	1860	49.4	13.0	90.4	18	--	3540	3750	3570
<i>Palmer</i>	1810	48.4	13.9	83.2	18	--	2830	3280	3320
<i>KWS Jessie</i>	1690	50.2	13.4	89.5	19	--	4090		
<i>BC Leandra</i>	1680	49.3	13.0	91.7	17	--			
<i>KWS Amadora</i>	1660	48.1	13.0	78.8	17	--	3700		
Lenetah	1500	49.7	13.5	86.5	17	--	3390	3740	3450
Experimental Lines									
HO516-579	2120	50.4	13.4	76.5	17	--	4140		
<i>14WAIM-3604.24</i>	1870	50.0	13.3	80.9	18	--			
<i>14WAIM-3604.10</i>	1760	47.6	13.5	83.4	18	--			
<i>14WAIM-3619.7</i>	1390	49.3	14.3	77.5	18	--			
C.V.	11	1.1	3.4	3.5	5	--	10	12	11
LSD	350	0.9	0.8	5.1	NS	--	370	400	260
Average	1870	49.7	13.3	85.5	18	--	3570	3720	3490
Highest	2210	50.9	14.3	95.0	19	--	4140	4130	3790
Lowest	1390	47.6	12.4	76.5	17	--	2530	3120	3000

Agronomic Information

Planting Date:	4/20/2021
Harvest Date:	8/19/2021
Seeding Rate (seeds/ft ²):	27
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	73
P ₂ O ₅ (lb/ac) 1-ft sample	100
S (lb/ac) 2-ft sample	10
pH (top 6 inches)	5.5

Trial Notes:

1. The Fairfield nursery was located 4.5 miles E of Fairfield, WA.
2. The nursery was fertilized prior to seeding at a rate of 63N, 17P, 14S. An additional 40N was applied after spring soil sampling.
3. Overall yield was 63% lower than 2020 and test weight was 4.5 lb/bu less.

Cooperator: David Degon

Herbicide: Axial (16.4oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 26, 2021.