

2021 WSU Variety Testing Spring Barley Trial, Mayview

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>KWS Amadora</i>	2120	49.8	12.5	53.0	13	--	3310		
<i>KWS Thalís</i>	2100	50.8	12.8	72.7	14	--			
<i>KWS Fantex</i>	2010	48.6	13.9	55.7	14	--	3250		
Survivor	1840	49.4	14.6	67.4	14	--	2520	3230	3240
<i>Palmer</i>	1810	46.2	14.6	46.2	16	--	2800	3480	3700
<i>LCS Odyssey</i>	1790	47.4	13.9	70.8	15	--	3200	3950	3900
Altorado	1790	48.9	13.3	39.7	15	--	3160	3880	3930
Claymore	1780	48.0	14.1	56.9	15	--	3020	3690	3730
Oreana	1760	49.8	14.6	65.7	14	--	2920	3660	3780
<i>BC Elinor</i>	1710	46.1	13.4	63.0	16	--			
Lenetah	1650	48.6	14.5	45.1	15	--	2850	3570	3780
<i>KWS Jessie</i>	1650	49.5	13.3	73.6	15	--	3180		
<i>BC Leandra</i>	1640	47.2	14.1	62.1	14	--			
<i>LCS Opera</i>	1420	49.1	13.3	72.6	14	--	2760	3710	
Experimental Lines									
<i>14WAIM-3604.10</i>	1730	47.4	14.9	61.4	14	--			
HO516-579	1580	49.5	14.2	32.5	14	--	3120		
<i>14WAIM-3604.24</i>	1520	47.4	15.1	29.9	15	--			
<i>14WAIM-3619.7</i>	1450	49.1	14.4	49.8	15	--			
C.V.	12	2.3	3.9	15.1	8	--	9	10	9
LSD	340	1.9	0.9	14.6	NS	--	290	290	220
Average	1740	48.5	14.0	56.6	15	--	3010	3650	3720
Highest	2120	50.8	15.1	73.6	16	--	3310	3950	3930
Lowest	1420	46.1	12.5	29.9	13	--	2520	3230	3240

Agronomic Information

Planting Date:	4/13/2021
Harvest Date:	8/12/2021
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	124
P ₂ O ₅ (lb/ac) 1-ft sample	271
S (lb/ac) 2-ft sample	22
pH (top 6 inches)	4.9

Trial Notes:

1. The Mayview nursery was located 13 miles NE of Pomeroy, WA.
2. The nursery was fertilized prior to seeding by the cooperator. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 57% lower than 2020 and test weight was 5.5 lb/bu less.

Cooperator: Randy Koller

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