

2021 WSU Variety Testing Spring Barley Trial, Almira

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									
Altorado	1600	39.3	15.2	--	20	--	2580	2970	3340
Survivor	1600	40.0	15.0	--	22	--	2410	2900	3120
Oreana	1520	41.8	15.3	--	20	--	2530	3030	3130
<i>KWS Thalís</i>	1520	39.1	13.4	--	19	--			
<i>BC Elinor</i>	1440	35.6	14.4	--	19	--			
<i>KWS Jessie</i>	1440	38.4	13.6	--	19	--	2440		
Claymore	1390	39.7	15.0	--	21	--	2430	2860	2890
Lenetah	1390	40.2	14.9	--	20	--	2420	2830	3040
<i>KWS Amadora</i>	1320	40.3	14.2	--	19	--	2310		
<i>LCS Odyssey</i>	1300	37.8	14.1	--	19	--	2230	2940	3130
<i>LCS Opera</i>	1250	35.9	15.0	--	21	--	2150	2710	
<i>Palmer</i>	1220	38.9	16.4	--	22	--	2290	2740	3020
<i>BC Leandra</i>	1080	36.1	14.7	--	19	--			
<i>KWS Fantex</i>	1050	37.9	15.8	--	20	--	2120		
Experimental Lines									
14WAIM-3619.7	1710	42.1	14.8	--	21	--			
14WAIM-3604.10	1590	38.8	15.1	--	21	--			
HO516-579	1200	40.0	15.4	--	18	--	2380		
14WAIM-3604.24	1130	39.1	16.0	--	20	--			
C.V.	15	3.5	3.4	--	5	--	11	15	13
LSD	330	2.3	0.9	--	2	--	260	340	270
Average	1370	38.9	14.9	--	20	--	2360	2870	3100
Highest	1710	42.1	16.4	--	22	--	2580	3030	3340
Lowest	1050	35.6	13.4	--	18	--	2120	2710	2890

Agronomic Information

Planting Date:	4/12/2021
Harvest Date:	8/17/2021
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	138
P ₂ O ₅ (lb/ac) 1-ft sample	158
S (lb/ac) 2-ft sample	23
pH (top 6 inches)	5.3

Trial Notes:

1. The Almira nursery was located 8.5 miles NE of Almira, 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 58% lower than 2020 and test weight was 8.6 lb/bu less.

Cooperator: Mike and Dan McKay

Herbicide: Axial (16.4oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 12, 2021.