

2021 WSU Variety Testing Spring Barley Trial, Endicott

Variety Name <i>Malt Italicized</i>	2021						2 Year	3 Year [†]	4 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 Thalix</i>	1120	45.4	13.7	37.2	21	162			
<i>BC Leandra</i>	1010	44.6	13.9	54.7	21	163			
Survivor	980	44.2	15.0	32.4	22	164	3010	3180	3030
Altorado	960	43.2	14.3	8.7	21	164	3250	3530	3370
<i>KWS Fantex</i>	950	43.2	14.9	31.6	20	165	3500		
<i>KWS Amadora</i>	890	47.5	13.2	37.8	20	163	3300		
Oreana	890	47.7	14.2	54.7	21	164	3280	3440	3250
<i>KWS Jessie</i>	850	44.4	13.8	40.6	22	163	3520		
<i>LCS Odyssey</i>	820	44.5	15.0	51.5	21	164	3170	3190	3070
<i>Palmer</i>	790	43.6	16.3	21.9	21	164	2950	3310	3220
Claymore	770	44.3	14.8	39.2	20	164	3220	3540	3260
<i>LCS Opera</i>	750	45.8	14.9	42.6	21	165	3460	3810	
<i>BC Elinor</i>	750	44.1	15.4	33.6	20	165			
Lenetah	710	45.3	14.8	37.6	22	165	3200	3430	3240
Experimental Lines									
HO516-579	910	45.1	14.9	10.1	21	164	3350		
<i>14WAIM-3604.10</i>	910	44.1	14.5	47.9	21	164			
<i>14WAIM-3604.24</i>	860	43.3	15.2	17.0	21	164			
<i>14WAIM-3619.7</i>	680	44.8	15.5	26.4	22	165			
C.V.	14	1.3	3.2	14.5	4	1	7	9	9
LSD	200	1.1	0.8	8.6	NS	1	240	250	220
Average	870	44.7	14.7	34.8	21	164	3270	3430	3200
Highest	1120	47.7	16.3	54.7	22	165	3520	3810	3370
Lowest	680	43.2	13.2	8.7	20	162	2950	3180	3030

Agronomic Information

Planting Date:	3/17/2021
Harvest Date:	8/3/2021
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	171
P ₂ O ₅ (lb/ac) 1-ft sample	238
S (lb/ac) 2-ft sample	12
pH (top 6 inches)	5.8

Herbicide: No herbicides were applied on this trial.

Trial Notes:

1. The Endicott nursery was located 3 miles SW of Endicott, WA.
2. The nursery was fertilized prior to seeding by the cooperator. An additional 20S, 31N was applied after spring soil sampling
3. Overall yield was 84% lower than 2020 and test weight was 7.9 lb/bu less. Trial was deficient in sulfur early in the season.

Cooperator: Monte Miller

[†]3 Year data from 2021, 2020, and 2018

[§]4 Year data from 2021, 2020, 2018, and 2017