

2021 WSU Variety Testing Spring Barley Trial, Reardan

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									
Survivor	1160	46.1	16.4	72.9	17	173	2760	2710	2910
<i>LCS Opera</i>	1080	45.9	15.0	90.4	18	177	3140	3150	
Lenetah	1070	46.8	15.5	73.5	17	176	3430	3220	3320
Oreana	1040	48.1	15.6	83.1	18	177	3170	3050	3230
<i>KWS Amadora</i>	1030	45.5	14.5	69.7	16	172	3740		
Claymore	1010	45.3	16.2	84.8	18	175	3120	2960	3200
Altorado	960	44.4	16.6	69.7	17	175	3090	2940	3220
<i>KWS Thalís</i>	950	46.3	15.4	78.8	17	173			
<i>BC Elinor</i>	920	43.1	15.1	85.4	18	177			
<i>KWS Fantex</i>	910	45.5	16.6	79.3	18	176	3090		
<i>LCS Odyssey</i>	890	46.4	16.3	91.2	19	176	3250	3130	3230
<i>KWS Jessie</i>	830	45.8	15.2	84.9	19	172	3090		
<i>BC Leandra</i>	830	43.0	15.2	82.4	17	176			
<i>Palmer</i>	510	44.1	17.5	77.6	18	176	2510	2420	2750
Experimental Lines									
<i>14WAIM-3604.10</i>	1090	43.9	16.8	76.8	16	173			
<i>14WAIM-3604.24</i>	870	46.1	16.5	68.3	18	175			
HO516-579	850	46.4	16.3	75.5	18	177	3080		
<i>14WAIM-3619.7</i>	750	45.9	16.4	64.4	17	176			
C.V.	12	2.4	2.3	9.0	6	1	10	11	10
LSD	180	1.9	0.6	12.3	NS	3	320	270	200
Average	930	45.5	16.0	78.3	17	175	3120	2950	3120
Highest	1160	48.1	17.5	91.2	19	177	3740	3220	3320
Lowest	510	43.0	14.5	64.4	16	172	2510	2420	2750

Agronomic Information

Planting Date:	4/14/2021
Harvest Date:	8/19/2021
Seeding Rate (seeds/ft ²):	27
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	108
P ₂ O ₅ (lb/ac) 1-ft sample	163
S (lb/ac) 2-ft sample	18
pH (top 6 inches)	5.5

Herbicide: No herbicides were applied on this trial.

Trial Notes:

1. The Reardan nursery was located 7.5 miles W of Reardan, WA.
2. The nursery was fertilized prior to seeding at a rate of 63N, 17P, 14S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 82% lower than 2020 and test weight was 7.9 lb/bu less.

Cooperator: Hal Johnson