

2021 WSU Variety Testing Spring Barley Trial, Farmington

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 Thalix</i>	3060	50.0	13.4	81.5	21	--			
<i>KWS Fantex</i>	2760	48.4	14.4	79.4	21	--	3590		
Oreana	2760	50.6	14.5	78.0	21	--	3960	4130	4490
<i>BC Leandra</i>	2760	47.0	13.9	82.6	19	--			
Survivor	2730	49.0	14.9	77.0	20	--	3380	3800	4190
Lenetah	2600	49.3	14.3	76.9	21	--	3650	4040	4410
<i>KWS Jessie</i>	2590	49.1	13.7	85.8	20	--	3740		
Claymore	2540	48.1	14.7	81.7	23	--	3680	4080	4510
<i>LCS Odyssey</i>	2470	48.0	14.4	87.2	22	--	3580	4020	4410
Altorado	2460	48.9	15.1	66.1	21	--	3630	4090	4510
<i>BC Elinor</i>	2410	47.9	13.8	85.8	21	--			
<i>KWS Amadora</i>	2380	47.5	13.8	66.7	19	--	3520		
<i>LCS Opera</i>	2260	50.3	14.9	90.2	23	--	3500	3770	
<i>Palmer</i>	2230	47.5	16.2	79.8	22	--	3180	3490	4080
Experimental Lines									
HO516-579	2980	48.6	14.3	54.0	20	--	4000		
<i>14WAIM-3604.10</i>	2790	46.9	14.5	79.8	21	--			
<i>14WAIM-3604.24</i>	2520	49.3	14.8	75.7	22	--			
<i>14WAIM-3619.7</i>	2270	48.7	15.2	65.0	20	--			
C.V.	10	1.3	3.8	5.6	7	--	8	8	8
LSD	430	1.0	0.9	7.4	NS	--	330	280	230
Average	2590	48.6	14.5	77.4	21	--	3620	3930	4370
Highest	3060	50.6	16.2	90.2	23	--	4000	4130	4510
Lowest	2230	46.9	13.4	54.0	19	--	3180	3490	4080

Agronomic Information

Planting Date:	4/15/2021
Harvest Date:	8/19/2021
Seeding Rate (seeds/ft ²):	27
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	74
P ₂ O ₅ (lb/ac) 1-ft sample	167
S (lb/ac) 2-ft sample	12
pH (top 6 inches)	5.3

Trial Notes:

1. The Farmington nursery was located 3.5 miles S of Farmington, WA.
2. The nursery was fertilized prior to seeding at a rate of 95N, 20S. An additional 38N, 30P was applied after spring soil sampling.
3. Overall yield was 43% lower than 2020 and test weight was 3.1 lb/bu less.

Cooperator: Andrew Nelson

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