

2020 WSU Variety Testing Spring Barley Trial, Farmington

Variety Name <i>Hulless Italicized</i>	2020						2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Plump (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
KWS Chrissie	5250	50.9	7.9	--	--	91			
LCS Diablo	5170	48.3	8.0	--	--	97			
Oreana	5160	52.2	8.8	--	--	93	4820	5400	5020
Lyon	5140	51.8	9.0	--	--	96	4980	5610	5300
Charger (BZ512-319)	4890	52.9	7.7	--	--	89			
KWS Jessie	4890	51.3	7.7	--	--	98			
Claymore	4820	51.8	8.2	--	--	92	4860	5350	5230
Altorado	4790	52.3	8.3	--	--	90	4910	5440	5120
LCS Opera	4740	49.4	8.1	--	--	96	4520	5390	
Lenetah	4710	53.1	8.5	--	--	98	4760	5350	5000
LCS Odyssey	4690	50.1	7.9	--	--	98	4800	5350	5170
KWS Amadora	4670	51.7	7.8	--	--	97			
KWS Fantex	4420	50.3	8.4	--	--	94			
Palmer (11WA-107.43)	4120	50.5	9.0	--	--	98	4120	4740	4740
Survivor	4030	52.5	9.1	--	--	98	4330	4770	4730
Meg's Song	3760	56.5	10.3	--	--	85	3910	4420	
Havener	3570	53.9	9.1	--	--	57	3690	4400	4260
Experimental Lines									
HO516-579	5020	52.0	8.3	--	--	80			
10WAM-106.8	4660	53.1	8.7	--	--	97			
12WAM-122.3	4540	50.3	8.0	--	--	95			
11WAM-112.20	4490	51.9	8.6	--	--	91			
13WAM-136.1	4120	49.4	8.7	--	--	94	4410		
14WAIF-3616.7	3990	51.5	8.5	--	--	97			
10WAN-106.19	3470	54.2	10.1	--	--	77			
C.V. %	7	2.4	4.2	--	--	4	7	7	7
LSD (0.05)	530	2.1	0.6	--	--	5	360	320	250
Average	4550	51.7	8.5	--	--	92	4510	5110	4920
Highest	5250	56.5	10.3	--	--	98	4980	5610	5300
Lowest	3470	48.3	7.7	--	--	57	3690	4400	4260

Agronomic Information

Planting Date:	4/10/2020
Harvest Date:	9/17/2020
Seeding Rate (seeds/ft ²):	23
Previous Crop:	
Spring soil test:	
N (lb/ac) 4-ft sample	142
P ₂ O ₅ (lb/ac) 2-ft sample	221
S (lb/ac) 2-ft sample	43
pH (top 6 inches)	5.32
Herbicide: Axial XL, Huskie, and Tilt on 5/27	
Axial XL (16.4 oz) again on 6/11	

Trial Notes:

1. The Farmington nursery was located about 3 miles NE of Garfield, WA.
2. Overall yield was similar to 2019 and test weight was 0.9 lb/bu less.
3. Resistant Italian ryegrass pressure suppressed yield potential.

Cooperator Andrew Nelson