

2018 WSU Variety Testing Spring Barley Trial, Walla Walla

Variety Name	2018							2 Year	3 Year*	5 Year**
	Yield (Lbs/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Plump (%)	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Hulless Italicized</i>										
Released Varieties										
LCS Opera	6180	53.1	11	28	154	96	0			
LCS Sienna	6050	55.2	13	31	154	97	0			
Champion	5990	55.7	13	33	148	94	5	5670	5290	4820
LCS Vespa	5930	53.3	13	29	152	97	0	6470	6190	5660
Lyon	5900	53.5	13	31	148	95	10	5780	5480	4870
Altorado	5790	52.3	13	31	149	94	0	6260		
Muir	5760	53.4	13	33	149	95	0	5920	5370	4900
Lenetah	5720	55.0	12	30	151	96	0	6260	5870	5160
Oreana	5700	54.5	12	27	153	95	0	6110	5900	
Claymore	5550	53.1	13	32	151	94	0	6320	6050	
LCS Genie	5530	53.9	13	28	154	97	0	6130	5740	5330
LCS Odyssey	5400	52.3	13	27	153	98	0	6410	6030	5440
CDC Copeland	5290	51.1	12	34	154	93	0	5640	5210	4690
Survivor	4990	54.0	14	31	151	98	0	5510	5210	
Havener	4860	60.8	13	33	154	87	0	5010	4640	4130
Meg's Song (X05013-T1)	4790	58.9	15	35	151	94	0	5230	4740	4320
Experimental Lines										
11WA-107.43	5740	55.1	13	32	150	96	0	6010		
11WA-107.58	5630	55.9	13	34	151	97	0	5870		
13WA-149.2	5620	54.2	13	33	152	96	0			
11WA-107.36	5530	53.9	13	31	149	96	0			
13WA-101.2	5520	53.1	14	32	150	95	0			
12WA-120.23	5500	53.2	14	33	151	96	0			
BZ 512-319	5210	50.2	13	32	150	94	0			
12WA-120.14	5140	52.8	15	34	150	95	3	5230		
C.V. %	4	1.0	2	4	1	1	403	6	7	8
LSD (0.05)	320	0.7	0	2	1	2	4	350	300	240
Average	5560	54.1	13	31	151	95	1	5870	5520	4930
Highest	6180	60.8	15	35	154	98	10	6470	6190	5660
Lowest	4790	50.2	11	27	148	87	0	5010	4640	4130

Agronomic Information

Planting Date:	3/30/2018
Harvest Date:	7/31/2018
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	88
P (ppm-bicarb) 2-ft sample	81
S (lb/ac) 2-ft sample	25
pH (top 6 inches)	5.2

Trial Notes:

1. The Walla Walla spring nursery was located about 7 miles east of Walla Walla, WA
2. The nursery was fertilized prior to planting 120N 15P 20S
3. The Walla Walla spring nursery was lost in 2017.

Cooperator: P McConnell

* 3-year average from 2018, 2016, 2015

** 5-year average from 2018, 2016, 2015, 2014, 2013

Herbicide:

Herbicides and Fungicides applied by cooperator