

2018 WSU Variety Testing Spring Barley Trial, St. John

Variety Name <i>Hulless Italicized</i>	2018						2 Year*	3 Year**	5 Year***
	Yield (Lbs/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Plump (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
LCS Opera	6260	52.0	9.3	27.0	171	96			
Claymore	5620	51.9	9.8	34.0	170	94	4860	4130	
Muir	5270	53.0	9.2	29.0	170	95	4870	4280	4530
Lenetah	5180	53.6	9.5	31.0	171	98	4990	4190	4400
Altorado	5120	52.9	9.6	30.0	169	93	4800		
Lyon	4960	52.2	9.3	28.0	169	97	4720	4220	4520
LCS Sienna	4910	52.5	9.5	26.0	172	97			
Oreana	4820	52.5	10.0	27.0	172	95	4670	3970	
LCS Genie	4760	52.0	9.0	27.0	173	98	4540	3750	4280
Champion	4720	53.8	9.1	30.0	169	89	4520	3890	4340
LCS Vespa	4670	51.6	9.6	26.0	171	98	4390	3750	4230
LCS Odyssey	4560	51.4	9.4	25.0	173	92	4650	4050	4400
Survivor	4500	52.7	9.6	31.0	171	98	4300	3850	
CDC Copeland	4490	50.6	9.3	35.0	172	97	4460	3580	4290
Havener	4430	58.5	10.8	32.0	172	79	4040	3210	3540
Meg's Song (X05013-T1)	3710	54.8	11.8	31.0	171	89	3580	3010	3400
Experimental Lines									
12WA-120.23	5650	53.2	11.4	35.0	169	92			
13WA-149.2	5270	53.3	10.5	30.0	170	98			
11WA-107.36	5090	52.9	9.3	32.0	169	97			
11WA-107.43	5060	53.5	10.6	32.0	170	98	4560		
BZ 512-319	5060	50.1	9.8	36.0	170	98			
12WA-120.14	4840	52.0	11.0	33.0	169	97	4590		
13WA-101.2	4830	51.8	10.2	31.0	171	95			
11WA-107.58	4570	53.9	9.9	30.0	170	97	4460		
C.V. %	10	1.5	7.0	7.0	1	4	9	9	9
LSD (0.05)	700	1.1	1.0	3.0	1	5	390	280	220
Average	4930	52.8	9.9	30.0	171	95	4530	3840	4190
Highest	6260	58.5	11.8	36.0	173	98	4990	4280	4530
Lowest	3710	50.1	9.0	25.0	169	79	3580	3010	3400

Agronomic Information

Planting Date:	4/23/2018
Harvest Date:	8/30/2018
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	50
P (ppm-bicarb) 2-ft sample	96
S (lb/ac) 2-ft sample	18
pH (top 6 inches)	5.3

Trial Notes:

1. The St. John nursery was located about 4 miles northwest of St. John, WA.
2. The nursery was fertilized prior to seeding with 80N 10S.
3. The St. John spring nursery was lost in 2017.

Cooperator: M. Mills

* 2-Year average from 2018, 2016

** 3-Year average from 2018, 2016, 2015

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

Herbicide:

Huskie, Axial XL, Tilt on 05/31/18