

2018 WSU Variety Testing Spring Barley Trial, Palouse

Variety Name	2018					2 Year	3 Year	5 Year
	Yield	Test WT	Protein	Plant HT	Plump	Average	Average	Average
<i>Hulless Italicized</i>	(Lbs/A)	(Lbs/Bu)	(%)	(In)	(%)	(Bu/A)	(Bu/A)	(Bu/A)
<b>Released Varieties</b>								
Lenetah	7290	53.7	10.2	34	97	6050	6260	--
Claymore	7060	52.2	10.6	34	97	5910	6280	--
LCS Odyssey	6910	50.5	10.4	28	98	6010	5630	--
LCS Sienna	6900	51.9	10.3	30	98			--
Muir	6800	52.7	10.3	35	96	5900	5880	--
LCS Opera	6770	50.7	10.4	27	97			--
Altorado	6550	52.4	10.7	31	95	6020	5960	--
LCS Genie	6390	51.7	10.4	28	98	5560	6070	--
LCS Vespa	6360	51.0	10.5	28	96	5800	6090	--
Oreana	6260	51.4	10.3	27	95	5480	6120	--
Champion	6200	53.2	9.8	33	95	5900	6070	--
Lyon	6120	51.6	9.9	28	95	5520	5610	--
<i>Havener</i>	6000	59.0	11.3	34	88	5100	5120	--
CDC Copeland	5850	50.8	10.5	37	94	5090	5480	--
Survivor	5660	52.5	11.4	34	98	5270	5180	--
<i>Meg's Song (X05013-T1)</i>	5590	56.8	13.4	35	94			--
<b>Experimental Lines</b>								
13WA-101.2	7320	52.1	11.1	36	97			--
12WA-120.23	7020	51.9	11.2	35	98	6020		--
12WA-120.14	6890	51.6	11.5	34	97	5880	5680	--
11WA-107.43	6840	52.8	11.4	33	98	5880	6110	--
11WA-107.36	6780	53.0	10.5	32	96	6190		--
11WA-107.58	6780	53.8	11.1	35	98	6100	6020	--
BZ 512-319	6410	50.1	10.8	32	95			--
13WA-149.2	6190	52.9	11.4	35	97			--
C.V. %	11	1.0	4.6	5	1	11	11	--
LSD (0.05)	990	0.8	0.7	2	2	620	490	--
Average	6540	52.5	10.8	32	96	5760	5850	--
Highest	7320	59.0	13.4	37	98	6190	6280	--
Lowest	5590	50.1	9.8	27	88	5090	5120	--

**Agronomic Information**

Planting Date:	4/25/2018
Harvest Date:	8/31/2018
Seeding Rate (seeds/ft <sup>2</sup> ):	23
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	169
P (ppm-bicarb) 2-ft sample	103
S (lb/ac) 2-ft sample	29
pH (top 6 inches)	5.2

**Trial Notes:**

1. The Palouse nursery was located about 13 miles west of Palouse, WA.
2. Base fertilizer was 180N 20P 20S applied prior to seeding.
3. Overall yield was 33% greater than 2017, and grain test weight was 2.6 lb/bu less than last year.

Cooperator: D. Lange

Herbicide:

Brox M, Axial XL on 05/30/18