

2018 WSU Variety Testing Spring Barley Trial, Dayton

Variety Name	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)
<i>Hulless Italicized</i>									
Released Varieties									
LCS Opera	4320	50.2	9.5	23	172	93			
Altorado	4200	46.3	10.3	27	170	73	3340	3630	
LCS Sienna	4200	51.0	9.6	26	170	95			
Claymore	4060	48.6	10.3	26	172	79	3220	3480	
Champion	4000	52.5	9.5	26	168	85	3410	3650	3360
Lyon	4000	47.9	10.3	25	169	93	3350	3650	3290
Muir	4000	49.1	9.7	27	171	86	3280	3490	3270
Lenetah	3910	51.8	9.6	26	170	92	3520	3880	3470
LCS Vespa	3870	48.6	10.3	24	171	94	3430	3670	3400
Oreana	3740	48.5	10.2	23	172	87	3090	3510	
LCS Odyssey	3720	48.0	9.9	24	174	94	3110	3390	3110
LCS Genie	3700	49.3	10.1	23	172	94	3060	3430	3150
Survivor	3500	48.0	10.9	27	172	93	3080	3250	
CDC Copeland	3480	45.2	10.2	27	173	81	2670	2900	2660
<i>Havener</i>	3310	50.0	10.3	26	172	45	2820	2970	2700
<i>Meg's Song (X05013-T1)</i>	2800	46.9	12.0	28	171	71			
Experimental Lines									
11WA-107.58	3830	52.3	10.5	26	170	94	3390	3560	
12WA-120.23	3830	48.9	9.8	27	170	88	3330		
13WA-101.2	3830	47.3	10.6	27	170	89			
12WA-120.14	3770	47.4	10.3	27	171	91	3310	3450	
11WA-107.36	3620	47.7	9.8	25	170	87	3190		
11WA-107.43	3610	50.9	10.5	26	169	88	3230	3460	
BZ 512-319	3430	45.1	11.1	26	172	81			
13WA-149.2	3320	47.5	10.9	26	171	92			
C.V. %	7	2.0	4.3	5	1	2	7	7	8
LSD (0.05)	350	1.4	0.6	2	0	3	210	190	150
Average	3750	48.7	10.3	26	171	86	3210	3460	3160
Highest	4320	52.5	12.0	28	174	95	3520	3880	3470
Lowest	2800	45.1	9.5	23	168	45	2670	2900	2660

Agronomic Information

Planting Date:	4/23/2018
Harvest Date:	8/23/2018
Seeding Rate (seeds/ft ²):	20
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	63
P (ppm-bicarb) 2-ft sample	57
S (lb/ac) 2-ft sample	14
pH (top 6 inches)	5.5

Trial Notes:

1. The Dayton nursery was located about 10 miles northwest of Dayton, WA.
2. The cooperator fertilized the trial prior to seeding.
3. Overall yield was 42% more than 2017, and grain test weight was 1.2 lb/bu less than last year.

Cooperator: J. Penner

Herbicide:

Huskie, Axial XL, Tilt on 06/05/18