

2018 WSU Variety Testing Spring Barley Trial, Fairfield

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	4600	48.1	10.7	29	181	94		--	--
Altorado	4410	45.6	10.8	29	178	79	3530	--	--
Muir	4330	50.3	10.7	32	178	95	3470	--	--
LCS Genie	4290	50.2	11.2	29	179	96	3340	--	--
LCS Sienna	4260	49.1	10.6	31	181	97		--	--
Oreana	4250	48.0	10.8	29	180	94	3350	--	--
Champion	4160	51.1	10.4	31	176	90	3360	--	--
LCS Odyssey	4070	47.8	10.8	29	180	96	3290	--	--
Lyon	4060	48.6	10.5	31	177	95	3270	--	--
Lenetah	3860	49.7	10.1	31	178	95	3030	--	--
LCS Vespa	3850	47.3	11.2	28	179	93	3120	--	--
CDC Copeland	3770	47.9	10.7	35	179	90	3040	--	--
Claymore	3640	49.0	10.7	33	179	92	3160	--	--
Havener	3540	52.1	12.3	34	180	61	2800	--	--
Meg's Song (X05013-T1)	3360	51.4	13.0	34	181	76		--	--
Survivor	3160	49.7	12.5	32	181	96	2830	--	--
Experimental Lines									
11WA-107.43	4130	51.6	11.1	33	178	95	3400	--	--
13WA-101.2	4050	49.0	10.8	33	178	96		--	--
11WA-107.58	3960	52.0	11.4	32	178	98	3250	--	--
12WA-120.23	3950	47.2	10.8	33	178	96	3310	--	--
13WA-149.2	3940	49.4	10.8	32	179	96		--	--
12WA-120.14	3820	47.9	11.6	34	178	94	3150	--	--
BZ 512-319	3760	46.0	11.0	33	178	93		--	--
11WA-107.36	3600	46.7	11.5	30	177	94	3110	--	--
C.V. %	7	2.6	4.2	6	0	4	6	--	--
LSD (0.05)	380	1.7	0.6	3	1	5	210	--	--
Average	3950	49.0	11.1	32	179	92	3210	--	--
Highest	4600	52.1	13.0	35	181	98	3530	--	--
Lowest	3160	45.6	10.1	28	176	61	2800	--	--

Agronomic Information

Planting Date:	5/4/2018
Harvest Date:	8/30/2018
Seeding Rate (seeds/ft ²):	23
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	56
P (ppm-bicarb) 2-ft sample	82
S (lb/ac) 2-ft sample	22
pH (top 6 inches)	5.3

Trial Notes:

1. The Fairfield nursery was located about 8 miles northwest of Fairfield, WA.
2. The nursery was planted with the no-till Cross-Slot drill and fertilized at 100N 17P 17S.
3. Overall yield was 60% greater than 2017, and grain test weight was 5.3 lb/bu less than last year

Cooperator: C. Denny

Herbicide:

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