WASHINGTON STATE UNIVERSITY EXTENSION

2015 WSU Variety Testing Spring Barley, Dayton

Variety Name *Hulless Italicized*	2015 YIELD (LBS/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLUMP (%)	PLANT HT	HEAD DATE	2 Year AVERAGE (BU/A)	3 Year AVERAGE (BU/A)	5 Year AVERAGE (BU/A)
RELEASED VARIETIES									
Lyon	**2641**	50.2	13.2	59	25	158	2755	3259	4007
Muir (07WA-601.6)	**2484**	49.3	13.0	55	24	158	2930	3295	3866
Bob	2389	49.9	14.0	50	26	158	2916	3315	3691
LCS Vespa	2371	49.7	13.5	46	25	159	2988	3437	
Claymore (BZ509-216)	2313	48.8	12.6	52	25	158			
CDC Kindersley	2241	48.6	13.9	37	23	159			
Baronesse	2237	48.8	13.2	38	23	160	2758	3213	3826
Oreana (BZ509-448)	2204	51.0	12.8	57	23	160			
LCS Genie	2190	49.9	12.5	52	21	161	2725	3193	
Champion	2119	50.4	12.7	24	25	160	2936	3525	3968
LCS Overture	2108	48.5	13.8	58	24	159	2742	3219	
LCS Odyssey	2096	48.1	12.9	64	23	161	2696	3228	
Lenetah	2058	50.6	12.8	66	24	161	2838	3501	4138
RWA 1758	1898	50.1	13.4	54	22	161	2666		
Havener (09WA-265.5)	1721	**56.3**	13.4	10	23	161	2298	2707	
AC Metcalfe	1620	49.5	14.2	71	25	162	2137	2656	
Meresse	1569	53.0	15.3	34	22	162	2153	2459	2938
CDC Copeland	1397	46.0	14.1	54	23	163	2284	2769	3444
EXPERIMENTAL LINES									
07MWA-206	2352	49.5	13.5	51	25	159			
07MWA-203	2336	50.3	13.1	63	24	158			
07MWA-202	2286	49.7	13.6	60	25	158			
07MWA-204	2275	50.6	13.8	67	26	159			
07MWA-201	2204	50.3	14.0	68	26	159			
09WA-228.13	2187	51.0	12.0	28	25	159	2795	3412	
2Ab07-X031098-31	2090	47.9	13.9	41	25	160	2627	3196	
NSL09-1820A	2013	48.4	13.5	60	22	161			
10WA-106.18	2001	49.7	12.8	21	25	159	2858		
2Ab04-X01084-27	1986	45.7	13.8	55	23	159	2639	3175	3677
09WA-203.21	1956	48.4	12.8	27	25	160	2891		
X0626-T229	1736	55.6	15.2	17	22	159	2082		
09WA-265.12	1517	**56.3**	13.6	10	24	162	2133		
X05013-T1	1456	55.6	15.9	14	24	160	2057	2414	
X06G07-T43	1402	52.9	15.1	33	20	164	1916	2318	
2Ab09-X06F058HL-31	1389	**56.9**	15.5	25	21	163	2091		
X07G30-T131	1356	55.0	14.9	35	22	162	1943		
2Ab09-X06F084-51	1282	49.1	16.0	37	24	161			
C.V. %	10	2	4	14	5	1	10	8	9
LSD (0.10)	217	0.8	0.6	6	1	1	184	145	132
Average	1986	50.6	13.7	44	24	160	2533	3068	3728
Highest	2641	56.9	16.0	71	26	164	2988	3525	4138
Lowest	1282	45.7	12.0	10	20	158	1916	2318	2938

Dayton Soft Spring Barley--Preliminary Data

1. Grain yield in the 2015 Dayton spring barley trial averaged 1986 lbs/acre, well below the five-year average of 3728 lbs/acre. The Dayton nursery was located about six miles northwest of Dayton, WA (J. Penner, Cooperator). All yield, test weight, and protein values within the 10% LSD range of the highest value are shown in bold.

2. This nursery was seeded on April 9, 2015 following winter wheat. Seeding rate was 90#/acre and base fertilizer was 100#N per acre. Soil tests showed 112#N, 21#P and 5#S. No additional fertilizer was applied.

3. This trial was treated with fungicide on May 26 and stripe rust was not a factor.