

2022 WSU Variety Testing Hard Red Winter Wheat Trial Summary

Precipitation Zone - Irrigated

Variety Name (Hard White Italicized)	Mattawa	Moses Lake	Average	Mattawa	Moses Lake	Average	Mattawa	Moses Lake	Average
	Yield (Bu/A)			Test Wt (Lbs/Bu)			Protein (%)		
<i>Released Varieties</i>									
LCS Rocket	168	145	158	61.2	52.9	57.2	12.3	12.8	12.5
LCS Jet	165	153	158	63.1	57.9	60.5	12.9	12.3	12.7
Kairos	155	146	152	63.9	56.7	60.3	13.2	12.6	13.0
WB4303	140	160	150	63.6	57.9	60.8	13.7	12.4	13.1
WB4394	134	155	145	64.4	60.3	62.3	12.6	11.8	12.2
Keldin (750,000)	131	157	142	63.9	59.7	61.8	13.5	12.2	12.9
Canvas	145	135	142	65.5	60.4	62.9	13.6	12.4	13.0
Keldin (1,200,000)	124	156	136	63.6	59.6	61.6	13.5	12.5	13.0
Keldin (1,050,000)	123	153	135	63.7	59.4	61.6	13.5	12.3	12.8
WB4510CLP	122	144	134	64.9	60.2	62.8	13.2	12.5	12.8
Keldin (900,000)	120	140	128	63.6	59.2	61.5	13.6	12.4	13.0
Battle AX	127	129	127	64.2	57.5	60.8	14.3	13.0	13.7
<i>Experimental Lines</i>									
LWH18-0122	178	141	160	62.6	56.9	59.7	13.4	13.2	13.3
LWH19-5663	167	142	151	62.9	57.4	60.1	13.4	13.0	13.3
LWH19-0192	161	130	150	62.2	57.3	59.8	13.3	12.9	13.0
LWH19-1103	141	157	147	63.9	58.3	61.0	13.5	12.5	13.0
WA8369	149	128	142	63.1	55.9	59.7	12.9	12.0	12.3
WA8368	151	125	142	61.4	55.4	58.5	13.2	12.6	12.8
WA8309	162	115	141	59.4	52.7	56.2	13.0	12.9	12.9
GHR10	126	139	131	64.3	59.4	61.7	14.3	13.9	14.0
YSC-1001	119	130	127	62.3	58.6	60.4	13.8	12.9	13.2
LWH19-5691	113	139	126	63.0	57.3	60.1	12.3	11.5	11.9
WA8340	124	117	118	59.4	55.4	57.3	13.3	13.4	13.3
YSC-1002	94	103	98	62.1	57.5	59.6	14.2	13.3	13.7
C.V. %	10	7	9	0.6	1.5	1.2	2.5	2.3	2.7
LSD (0.05)	30	20	15	0.9	1.9	0.8	0.7	0.7	0.4
Average	139	139	139	63.0	57.7	60.3	13.3	12.6	13.0
Highest	178	160	160	65.5	60.4	62.9	14.3	13.9	14.0
Lowest	94	103	99	59.4	52.7	56.2	12.3	11.5	11.9

*Some individual locations are analyzed using nearest neighbor analysis due to field variability. Multi-location average analyzed as an RCBD leading to different calculated averages.