

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Moses Lake

Variety Name <i>Hard White Italicized</i>	2022						2 Year [†]	3 Year [‡]	5 Year [§]
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
WB4303	160	57.9	12.4	40	152	0			
Keldin (750,000)	157	59.7	12.2	41	153	0			
Keldin (1,200,000)	156	59.6	12.5	40	154	10			
WB4394	155	60.3	11.8	46	152	0			
LCS Jet	153	57.9	12.3	38	154	0			
Keldin (1,050,000)	153	59.4	12.3	41	153	7			
Kairos	146	56.7	12.6	35	151	0			
LCS Rocket	145	52.9	12.8	37	152	0			
WB4510CLP	144	60.2	12.5	43	153	20			
Keldin (900,000)	140	59.2	12.4	41	153	3			
Canvas	135	60.4	12.4	41	151	0			
Battle AX	129	57.5	13.0	39	151	10			
Experimental Lines									
LWH19-1103	157	58.3	12.5	40	153	0			
LWH19-5663	142	57.4	13.0	38	155	0			
LWH18-0122	141	56.9	13.2	36	152	0			
LWH19-5691	139	57.3	11.5	39	154	7			
GHR10	139	59.4	13.9	44	151	37			
YSC-1001	130	58.6	12.9	45	156	13			
LWH19-0192	130	57.3	12.9	40	155	0			
WA8369	128	55.9	12.0	34	155	0			
WA8368	125	55.4	12.6	34	155	0			
WA8340	117	55.4	13.4	38	159	0			
WA8309	115	52.7	12.9	30	156	0			
YSC-1002	103	57.5	13.3	38	151	60			
C.V. %	7	1.5	2.3	2	0	197			
LSD (0.05)	20	1.9	0.7	2	1	24			
Average	139	57.7	12.6	39	153	7			
Highest	160	60.4	13.9	46	159	60			
Lowest	103	52.7	11.5	30	151	0			

Agronomic Information

Planting Date:	10/21/2021
Harvest Date:	8/18/2022
Seeding Rate (seeds/ft ²):	23.75
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	656
P ₂ O ₅ (lb/ac) 1-ft sample	192
S (lb/ac) 2-ft sample	202
pH (top 6 inches)	5.9

Trial Notes:

1. The nursery was located approximately 11.5 miles southeast of Moses Lake, Wa.
2. The nursery was fertilized prior to seeding by the cooperator. All additional fertilizer was applied via fertigation.
3. Overall yield was the same and test weight was 1.8 lb/bu less than 2021.

Cooperator: Dennis Treat

Herbicides: Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 1.