

2021 WSU Variety Testing Hard Winter Wheat Trial, Moses Lake

Variety Name	2021					2 Year [†]	3 Year [‡]	5 Year [§]
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Hard White Italicized</i>								
Released Varieties								
WB4394	150	61.9	12.8	37	145			
Keldin	147	61.8	12.9	35	147	122	122	122
LCS Rocket	144	57.9	12.3	34	145	121	123	132
LCS Jet	143	58.7	13.2	34	146	120	122	139
Canvas	143	62.2	13.0	36	143			
WB4303	141	59.5	13.0	35	142	116		
Battle AX	137	61.7	13.6	37	143			
Millie	134	60.7	13.2	34	149			
UI Bronze Jade	133	57.4	13.0	34	149			
Scorpio	133	57.9	13.4	34	149	116	116	
WB4623CLP	127	61.6	14.5	36	147			
WB4311	126	61.3	13.6	32	144	106	115	
Kairos	117	60.4	13.1	33	142			
Experimental Lines								
OR2180056R	152	57.9	12.4	35	151			
LWH19-0907	144	58.4	13.0	33	150			
WA8340	143	55.7	13.8	37	151			
WA8342	141	62.2	13.5	35	141			
IDO2006	140	59.4	12.4	35	151			
WA8339	137	59.3	13.3	34	151			
LWH19-0192	136	58.8	13.5	34	147			
OR2170199R	136	57.2	13.1	33	148			
LWH18-0122	136	57.7	13.4	32	144			
OR2160011R	134	58.5	12.5	34	147			
YSC-1001	131	58.8	13.9	39	151			
WA8309	131	55.2	13.4	27	150			
WA8343	127	62.5	13.8	34	141			
OR2150168H	124	57.5	13.5	31	150			
OR2160065H	123	59.2	13.7	36	147			
WA8344	120	61.6	13.7	35	140			
YSC-1002	115	61.1	13.9	35	141			
C.V. %	5	1.1	1.2	4	1	5	5	6
LSD (0.05)	11	1.1	0.3	2	1	7	6	6
Average	135	59.5	13.3	34	146	117	119	131
Highest	152	62.5	14.5	39	151	122	123	139
Lowest	115	55.2	12.3	27	140	106	115	122

Agronomic Information

Planting Date:	10/12/2020
Harvest Date:	7/26/2021
Seeding Rate (seeds/ft ²):	23.75
Previous Crop:	Alfalfa
Spring soil test:	
N (lb/ac) 4-ft sample	220
P ₂ O ₅ (lb/ac) 1-ft sample	88
S (lb/ac) 2-ft sample	22
pH (top 6 inches)	5.8

Herbicide: Herbicides were applied by the cooperater

Trial Notes:

1. The Moses Lake nursery was located 1.5 miles NE of Warden, WA.
2. The nursery was fertilized prior to seeding at a rate of 160N, 21P, 19K. No additional fertilizer was applied after spring soil sampling.

Cooperator: Dennis Treat

[†] 2 Year data from 2021 and 2018

[‡] 3 Year data from 2021, 2018, and 2017

[§] 5 Year data from 2021, 2018, 2017, 2016, 2015