

2022 WSU/OSU Variety Testing Hard Red Winter Wheat Trial, Walla Walla

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	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties								
Guardian	135	60.5	10.9	39	146	95		
Scorpio	132	60.5	11.3	36	146	105	110	107
WB4303	129	61.8	10.9	40	144	109	100	103
LCS Jet	128	60.3	10.9	39	146	116	117	115
Keldin (1,050,000)	127	60.8	11.3	43	148			
LCS Rocket	126	60.4	11.1	37	144	118	121	120
Kairos	121	61.3	11.2	35	143	101	102	
LCS Helix AX	119	60.8	11.2	41	148			
WB4394	116	62.8	11.1	44	145	100	104	
Keldin (1,200,000)	114	61.7	11.0	40	148			
Irv	111	61.3	11.1	41	148	95	103	99
LCS Evina	110	60.5	12.9	47	153	99	108	113
Canvas	109	62.6	12.3	38	144	95		
Millie	109	63.5	12.2	37	148	92	98	97
Battle AX	107	62.2	12.4	41	143	94		
Snowmass 2.0	106	61.5	11.7	41	147			
Keldin (900,000)	105	61.4	12.3	39	146	88	86	90
WB4510CLP	104	64.0	10.5	41	148			
WB4311	98	62.1	11.9	39	144	87	90	88
Experimental Lines								
OR2190064R	135	61.7	11.1	40	148			
WA8369	128	60.4	10.8	38	149			
LWH18-0122	126	60.0	11.4	37	147	106		
PN13001002-04	126	61.2	10.8	45	147			
OR2170052H	124	60.3	11.4	38	151	89		
WA8368	122	60.0	11.3	38	149			
WA8309	121	57.5	11.1	32	149	108	115	
LWH19-0192	120	61.6	11.0	41	149	108		
LWH19-1103	116	61.8	10.9	40	146			
LWH19-5691	116	60.8	11.0	38	147			
OR2160065H	111	61.2	12.0	42	149	93		
LWH19-5663	108	60.8	11.9	39	147			
OR2170199R	104	59.9	11.6	37	148	94		
YSC-1001	104	61.9	11.1	43	149	96		
GHR10	104	61.1	12.4	41	143			
WA8340	104	58.4	11.0	40	152	101		
YSC-1002	97	61.4	12.8	39	141	79		
C.V. %	10	1.7	6.4	5	2	12	12	11
LSD (0.05)	22	2.1	1.4	5	5	14	12	8
Average	116	61.1	11.4	40	147	98	102	103
Highest	135	64.0	12.9	47	153	118	117	120
Lowest	97	57.5	10.5	32	141	79	86	88

Agronomic Information

Planting Date:	9/30/2021
Harvest Date:	8/16/2022
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Garbonzos
Spring soil test:	
N (lb/ac) 4-ft sample	295
P ₂ O ₅ (lb/ac) 1-ft sample	138
S (lb/ac) 2-ft sample	15
pH (top 6 inches)	6.2

Herbicides: Zidua (4oz) was applied on November 8.
All other herbicides were applied by the cooperator.

Trial Notes:

1. The nursery was located approximately 6 miles northeast of Walla Walla, Wa.
2. The nursery was fertilized prior to seeding by the cooperator. An additional 140N was applied on November 5.
3. Overall yield was 47% greater and test weight was 0.3 lb/bu less than in 2021.

Cooperator: Jason Lynch & Jay Nowogroski