

2023 WSU Variety Testing Hard Red Winter Wheat Trial, Dayton

Variety Name <i>Hard White Italicized</i>	2023					2 Year	*3 Year	*4 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								
LCS Missile (LWH19-0192)	86	60.6	12.3	31	146	94		
LCS Rocket	85	58.5	12.1	29	144	95	105	101
Keldin	84	61.8	12.2	31	145	93	98	95
WB4394	83	62.1	12.0	36	143	89	94	89
Scorpio	83	60.6	12.7	28	146	97	105	102
LCS Blackbird (LWH18-0122)	82	58.4	12.8	28	144	93		
LCS Jet	81	60.0	12.4	30	145	92	100	97
Milestone	81	59.6	12.5	30	145			
WB4303	81	59.8	12.8	30	143	95	88	85
WB4311	81	62.3	12.9	30	143	93	94	91
Kairos	80	59.3	12.7	28	143	98	102	
LCS Evina	80	59.7	14.2	36	151			
Canvas	75	62.5	11.6	30	143	84		
Experimental								
LWH19-5663	85	59.8	12.3	31	147	90		
LWH20-0490	84	61.6	11.4	30	143			
WA8399	83	58.9	11.5	30	149			
WA8401	81	58.9	11.3	30	149			
WA8368	79	60.8	12.5	28	146	92		
OR2190064R	78	61.4	12.1	28	146			
WA8340	78	58.2	12.1	31	150	88		
LWH20-4802	78	62.3	13.0	32	149			
WA8369	77	60.9	12.3	29	146	80		
OR2190160R	77	61.9	12.2	29	145			
WA8400	76	59.1	13.1	28	149			
C.V. %	4	0.8	2.3	4	1	7	9	9
LSD (0.05)	5	0.7	0.4	2	1	6	7	6
Average	81	60.4	12.4	30	146	92	98	94
Highest	86	62.5	14.2	36	151	98	105	102
Lowest	75	58.2	11.3	28	143	80	88	85

*2023, 2022, 2020, 2019 included in multi-year analyses.

Agronomic Information

Planting Date:	10/6/2022
Harvest Date:	8/3/2023
Seeding Rate (seeds/ft ²):	900,000
Previous Crop:	Dry Peas
Spring soil test:	
N (lb/ac) 4-ft sample	660
P ₂ O ₅ (lb/ac) 1-ft sample	600
S (lb/ac) 2-ft sample	86
pH (top 6 inches)	5.1

Trial Notes:

1. The nursery was located approximately 1 mile northeast of Dayton, WA.
2. The nursery was fertilized prior to seeding by the cooperator at a rate of 130N, 15P, 15S, 8Cl. No additional fertilizer was applied after fall soil sampling.
3. Yield was down 18% and test weight was up 0.4 lb/bu compared to 2022.

Cooperator: Dan McKinley

Herbicides: Axial (16oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 4, 2023.

Talinor (18oz) was applied on May 15, 2023.