

2023 WSU Variety Testing Hard Red Winter Wheat Trial, Pullman

Variety Name	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 Rocket	138	62.3	10.6	34	153	134	111	116
LCS Missile (LWH19-0192)	129	63.5	11.0	32	154	131	111	
Keldin	128	64.5	11.1	36	153	133	113	112
LCS Jet	127	62.7	11.3	32	153	131	108	113
LCS Blackbird (LWH18-0122)	126	61.9	11.6	31	152	131	110	
Scorpio	121	62.4	12.3	31	153	124	104	111
Kairos	119	62.7	11.4	30	150	126	104	104
LCS Evina	119	62.5	12.3	37	157			
WB4303	117	63.1	11.8	33	150	120	101	96
Milestone	117	63.3	11.4	34	152			
WB4394	113	64.9	12.1	39	152	129	107	109
Canvas	112	65.0	11.7	32	150	114	98	
WB4311	108	64.1	12.3	32	151	113	96	99
Experimental Lines								
LWH19-5663	132	63.0	11.5	33	155	133		
WA8401	127	63.0	10.1	34	156			
WA8399	126	63.1	10.2	33	155			
OR2190064R	126	63.5	11.5	31	154			
WA8340	124	62.4	10.6	34	157	127	107	
WA8369	117	63.6	11.4	31	155	125		
LWH20-0490	117	63.1	10.6	33	152			
OR2190160R	112	63.8	11.8	32	152			
LWH20-4802	111	64.5	11.7	34	154			
WA8368	107	62.0	12.1	31	154	123		
WA8400	97	62.6	12.8	32	155			
C.V. %	4	0.4	2.3	4	0	5	7	9
LSD (0.05)	7	0.3	0.4	2	1	6	5	6
Average	120	63.2	11.5	33	153	126	106	108
Highest	138	65.0	12.8	39	157	134	113	116
Lowest	97	61.9	10.1	30	150	113	96	96

Agronomic Information

Planting Date:	10/5/2023
Harvest Date:	8/4/2023
Seeding Rate (seeds/ft ²):	1,050,000
Previous Crop:	Canola
Spring soil test:	
N (lb/ac) 4-ft sample	435
P ₂ O ₅ (lb/ac) 1-ft sample	250
S (lb/ac) 2-ft sample	77
pH (top 6 inches)	4.8

Herbicides: Zidua (4oz) was applied on Oct 18, 2022.

Brox-M (1pt) was applied on Nov 3, 2022.

WideARmatch (19.5oz), Powerflex (2oz), Huskie (12.5oz), Miravis Ace (7oz) were applied by the cooperator.

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 28, 2023.

Trial Notes:

1. The nursery was located approximately 3.5 miles southeast of Pullman, WA.
2. The nursery was fertilized at seeding at a rate of 14N, 35P, 16K, 9S, 13Cl. No additional fertilizer was applied after fall soil sampling.
3. Yield was down 7% and test weight was up 1.3 lb/bu compared to 2022.

Cooperator: Kurt Druffel