

2023 WSU Variety Testing Hard Red Winter Wheat Trial, Lamont

Variety Name	2023						2 Year	3 Year	4 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	113	61.6	12.6	34	145	53	114	112	104
WB4394	111	64.9	12.3	42	147	0	110	108	105
Keldin	110	63.0	11.9	34	146	90	104	104	99
WB4311	106	63.7	12.5	32	145	23	105	102	95
Canvas	105	64.1	11.6	34	145	33	106	103	
LCS Jet	103	62.5	12.6	33	146	0	113	109	105
LCS Missile (LWH19-0192)	102	63.1	12.2	33	148	0	113	111	
Whistler	101	62.2	11.5	35	147	90	99	97	
LCS Rocket	100	59.9	11.9	32	147	3	112		
LCS Blackbird (LWH18-0122)	100	59.2	13.1	31	146	0	112	109	
Scorpio	99	62.4	12.4	32	149	0	114	110	103
Guardian	98	63.6	11.7	34	145	87	91	93	
Milestone	97	61.1	12.0	32	146	0			
LCS Evina	91	61.8	14.4	36	153	0			
Experimental Lines									
LWH20-0490	118	62.7	11.4	33	145	13			
LWH19-5663	113	62.5	12.1	34	148	10	123		
WA8401	108	61.6	10.9	31	150	0			
LWH20-4802	107	64.3	12.5	34	148	43			
OR2190160R	95	63.1	12.4	31	146	3			
WA8403	93	61.6	12.5	33	152	30			
OR2190064R	91	62.5	12.3	30	147	0			
WA8310	91	62.2	11.7	36	148	30	101	105	102
WA8367	86	64.1	13.3	39	152	70	98		
WA8396	82	59.8	12.8	39	155	55			
C.V. %	4	0.4	2.6	5	1	71	7	8	8
LSD (0.05)	6	0.4	0.4	2	1	26	8	7	5
Average	101	62.4	12.3	34	148	26	108	105	102
Highest	118	64.9	14.4	42	155	90	123	112	105
Lowest	82	59.2	10.9	30	145	0	91	93	95

Agronomic Information

Planting Date:	9/20/2022
Harvest Date:	8/2/2023
Seeding Rate (seeds/ft ²):	900,000
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	385
P ₂ O ₅ (lb/ac) 1-ft sample	154
S (lb/ac) 2-ft sample	37
pH (top 6 inches)	5.2

Trial Notes:

1. The nursery was located approximately 5 miles southeast of Lamont, WA.
2. The nursery was fertilized prior to seeding at a rate of 96N, 50P, 10K, 20S. No additional fertilizer was applied after fall soil sampling.
3. Yield was down 5% and test weight was down 0.3 lb/bu compared to 2022.

Cooperator: Rod Mills

Herbicides: Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 3, 2023.