WASHINGTON STATE UNIVERSITY ✦ EXTENSION

2023 WSU Variety Testing Hard Red Winter Wheat Trial, Lind

Variety Name	2023 Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Cold Inj.‡ (%)	*2 Year Average (Bu/A)	*3 Year Average (Bu/A)	*4 Year Average (Bu/A)
Released Varieties									
Guardian	49	63.4	14.1	27	139	1	48		
LCS Jet	45	62.4	14.5	23	140	2	44	48	51
Whistler	45	64.1	13.2	28	139	1	44		
LCS Missile (LWH19-0192)	43	62.2	13.5	23	139	2	47		
Scorpio	42	63.3	13.7	24	141	2	45	50	
Canvas	41	64.5	13.3	29	139	1	41		
WB4303	40	62.8	14.4	28	134	1			
Keldin	39	62.9	14.1	28	140	1	40	45	46
Sequoia	36	63.1	13.5	30	144	1			
WB4394	36	63.2	14.6	32	140	3	40	44	
WB4311	32	62.8	14.9	25	139	3	34	36	38
LCS Blackbird (LWH18-0122)	31	63.1	13.9	20	139	6	36		
Experimental Lines									
WA8367	43	63.3	13.6	24	143	1			
LWH20-4802	43	62.3	13.7	23	140	2			
MTS1908	41	63.3	13.8	28	143	1			
LWH20-0490	41	62.5	12.8	25	139	2			
OR2190064R	38	63.3	14.2	23	140	2			
WA8403	38	62.5	13.6	26	141	2			
MTCS20158	38	62.9	15.2	24	140	1			
LWH19-5663	37	62.8	13.7	25	140	3			
WA8310	37	63.4	13.9	28	139	2	40	45	48
MT2128	33	62.0	14.3	27	140	2			
MTV2164	30	63.4	14.3	29	139	1			
WA8396	28	61.5	13.8	30	146	2			
C.V. %	7	1.0	2.6	4	0	19	11	13	13
LSD (0.05)	4	0.9	0.5	2	1	1	5	5	5
Average	39	63.0	13.9	26	140	2	42	44	46
Highest	49	64.5	15.2	32	146	6	48	50	51
Lowest	28	61.5	12.8	20	134	1	34	36	38

Agronomic Information

Planting Date:	9/1/2022
Harvest Date:	7/18/2023
Seeding Rate (seeds/ft^2):	500,000
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	300
P_2O_5 (lb/ac) 1-ft sample	167
S (lb/ac) 2-ft sample	29
pH (top 6 inches)	5.1

Herbicides: Brage HF (13oz) were applied on April 19, 2023.

Trial Notes:

1. The nursery was located approximately 3.5 miles northeast of Lind, WA.

2. The nursery was fertilized prior to seeding at a rate of 50N, 10S. No additional fertilizer was applied after fall soil sampling.

*2022 data excluded from long term yield average due to late planting.
‡Cold Injury rating on 1-9 scale; 1=no injury, 9=dead

Cooperator: Bruce Sauer