



2023 WSU Variety Testing Hard Red Winter Wheat Trial, Douglas

Variety Name	2023						2 Year Average (Bu/A)	3 Year Average (Bu/A)	4 Year Average (Bu/A)
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Snow Mold Rating			
Released Varieties									
Whistler	77	63.8	9.0	33	148	4	1	--	--
WB4311	73	63.9	11.0	30	147	4	1	--	--
Guardian	73	64.4	10.0	34	146	5	1	--	--
Canvas	70	64.8	10.1	33	148	5	1	--	--
Scorpio	70	62.8	10.4	28	152	6	3	--	--
WB4303	70	62.2	10.3	30	148	4	1	--	--
Keldin	66	63.8	10.7	32	150	5	2	--	--
LCS Jet	64	62.2	11.1	26	150	5	3	--	--
LCS Missile (LWH19-0192)	61	62.3	11.1	27	153	6	4	--	--
Sequoia	58	63.1	11.6	42	154	6	4	--	--
WB4394	55	64.0	11.5	38	147	6	2	--	--
LCS Blackbird (LWH18-0122)	10	--	--	--	--	9	8	--	--
Experimental Lines									
MTCS20158	61	64.2	11.4	29	150	5	2	--	--
WA8367	60	64.1	11.2	30	153	6	2	--	--
WA8403	58	62.5	10.8	32	154	6	3	--	--
MTS1908	56	63.7	11.0	31	154	5	2	--	--
LWH20-0490	54	63.0	10.6	29	151	6	4	--	--
WA8310	53	63.5	10.6	34	152	6	3	--	--
MTV2164	51	62.9	11.4	35	150	6	3	--	--
MT2128	50	62.2	11.1	32	151	4	1	--	--
LWH20-4802	49	63.9	11.4	28	152	6	5	--	--
LWH19-5663	41	61.0	11.6	29	154	7	6	--	--
WA8396	38	60.3	12.6	33	158	8	7	--	--
OR2190064R	36	62.9	11.9	26	154	8	7	--	--
C.V. %	11	0.8	5.8	5	1	16	28	--	--
LSD (0.05)	8	0.8	1.1	2	1	1	1	--	--
Average	56	63.1	11.0	31	151	6	3	--	--
Highest	77	64.8	12.6	42	154	9	8	--	--
Lowest	10	60.3	9.0	26	146	4	1	--	--

Agronomic Information

Planting Date:	8/24/2022
Harvest Date:	7/31/2023
Seeding Rate (seeds/ft ²):	500,000
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	168
P ₂ O ₅ (lb/ac) 1-ft sample	133
S (lb/ac) 2-ft sample	26
pH (top 6 inches)	5.0

Trial Notes:

1. The nursery was located approximately 4.5 miles southeast of Waterville, WA.
2. The nursery was fertilized prior to seeding by the cooperator at a rate of 50N, 7S. No additional fertilizer was applied after fall soil sampling.
3. Heavy snow mold pressure greatly influenced yield and rankings. Ratings used 1-9 scale where 1=no damage.

Cooperator: Mark Thomsen

Herbicides: Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 8, 2023.