



2023 WSU Variety Testing CL/AX Winter Wheat Trial, Douglas

Variety Name <i>HRW Wheat Italicized</i>	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									
Sockeye CL+	75	61.0	10.3	33	152	5	2	--	--
LCS Shine (Check)	74	61.0	9.7	26	151	6	3	--	--
Kivari AX	74	63.1	9.6	32	147	6	1	--	--
LCS Shine (Small Seed)[†]	73	61.4	9.5	25	151	7	4	--	--
WB4510CLP	67	65.2	10.6	33	149	5	2	--	--
LCS Helix AX	65	63.9	10.5	31	146	6	3	--	--
LCS Kraken AX	63	61.8	11.2	32	152	6	3	--	--
Stingray CL+	63	61.1	11.1	30	153	7	3	--	--
Curiosity CL+	63	62.4	10.4	34	154	3	1	--	--
Piranha CL+	63	62.4	10.5	33	152	5	2	--	--
Mela CL+	62	61.2	11.4	34	154	2	1	--	--
LCS Hydra AX	56	62.7	11.0	31	153	7	5	--	--
LCS Dagger AX	54	63.4	10.9	30	146	6	4	--	--
VI Presto CL+	53	63.3	11.6	30	152	6	4	--	--
LCS Scorpion AX (LWWA19-0291)	53	61.2	11.5	25	151	8	6	--	--
LCS Eclipse AX	49	60.1	11.5	31	154	7	6	--	--
Battle AX	49	64.5	12.3	30	149	7	5	--	--
Appleby CL+	4	--	--	--	--	9	9	--	--
Experimental Lines									
WA8346 AX	69	60.9	10.2	33	152	5	2	--	--
LWWA19-0293	69	62.7	10.4	29	147	6	2	--	--
WA8345 AX	68	61.8	10.6	32	152	5	2	--	--
09PN118-02 CL2	67	61.4	10.7	31	153	5	2	--	--
WA8348 AX	64	63.5	10.6	31	151	6	4	--	--
LWWA19-0287	62	61.0	9.9	33	151	6	3	--	--
LWWA19-0294	60	63.1	10.8	28	148	6	2	--	--
UIL 17-7706 CL+	60	62.3	10.9	27	153	7	5	--	--
LWWC21-5070	60	59.8	11.3	27	154	7	6	--	--
WA8347 AX	48	63.4	11.0	31	152	7	5	--	--
OR2190025CL+	44	59.6	10.9	29	153	8	6	--	--
ORI2190027CL+	11	57.7	12.9	--	--	9	8	--	--
C.V. %	10	1.0	6.3	4	1	10	27	--	--
LSD (0.05)	8	1.0	1.2	2	1	1	1	--	--
Average	58	62.0	10.8	30	151	6	4	--	--
Highest	75	65.2	12.9	34	154	9	9	--	--
Lowest	4	57.7	9.5	24	146	2	1	--	--

Agronomic Information

Planting Date:	8/24/2022
Harvest Date:	7/31/2023
Seeding Rate (seeds/ac):	500,000
Previous Crop:	Fallow
Fall 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.