

2023 WSU Variety Testing CL/AX Winter Wheat Trial, St. John

Variety Name <i>HRW Italicized</i>	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								
Piranha CL+	110	61.1	9.7	39	149	113	109	116
Sockeye CL+	108	60.0	9.3	40	149	109	104	112
LCS Scorpion AX (LWWA19-0291)	108	61.4	9.4	34	147			
Stingray CL+	107	60.2	10.5	33	149	107	101	103
VI Voodoo CL+	106	60.7	9.5	32	148	118	109	115
LCS Shine (Check)	105	59.7	9.6	30	147	121	114	116
LCS Eclipse AX	103	59.0	9.8	37	150			
UI Magic CL+	98	61.6	10.6	33	148	107	96	98
WB4510CLP	97	63.9	9.9	36	147			
Resilience CL+	92	61.0	10.6	33	151	105	98	100
LCS Kraken AX	92	59.5	10.9	37	150			
LCS Hydra AX	87	61.7	10.3	35	149			
LCS Dagger AX	86	61.0	11.4	33	145			
Battle AX	83	61.5	11.2	32	146			
Experimental Lines								
UIL 17-7706 CL+	114	60.7	9.6	35	149	114	107	
OR2190025CL+	112	60.1	10.1	34	146	110	101	
LWWA19-0293	109	61.9	10.3	33	144			
LWWA19-0294	104	61.9	10.3	35	145			
LWWA19-0287	103	59.7	9.7	39	148			
WA8346 AX	101	60.7	10.3	39	148	112		
ORI2190027CL+	98	61.8	10.9	34	148	104		
WA8345 AX	97	59.7	11.4	38	148	94		
WA8347 AX	90	62.6	10.8	39	149	100		
WA8348 AX	86	62.2	11.1	38	150			
C.V.	7	1.6	6.5	4	0	11	11	13
LSD	9	1.3	0.9	2	1	11	9	9
Average	100	61.0	10.3	35	148	109	104	109
Highest	114	63.9	11.4	40	151	121	114	116
Lowest	83	59.0	9.3	30	144	94	96	98

Agronomic Information

Planting Date:	9/28/2022
Harvest Date:	8/17/2023
Seeding Rate (seeds/ac):	900,000
Previous Crop:	
Fall soil test:	
N (lb/ac) 4-ft sample	608
P ₂ O ₅ (lb/ac) 1-ft sample	384
S (lb/ac) 2-ft sample	51
pH (top 6 inches)	4.7

Trial Notes:

1. The nursery was located approximately 2.5 miles northwest of St. John, WA.
2. The nursery was fertilized prior to seeding by the cooperator at a rate of 90N, 15P, 15S. No additional fertilizer was applied after fall soil sampling.
3. Yield was down 14% and test weight was 0.6 lb/bu lower compared to 2022.

Cooperator: Rod Mills

Herbicides: Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 3, 2023.