

2023 WSU Variety Testing Soft White Spring Wheat Trial, St. John

Variety Name <i>Club 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								
Ryan (Large Seed) [†]	72	62.9	10.9	30	164			
Louise	67	62.8	10.9	32	169	64	56	60
Ryan	65	62.4	11.3	30	164	63	52	57
Ryan (Small Seed)	64	62.6	11.6	30	164			
Melba	64	62.9	10.2	28	171	60	50	55
Roger	63	64.0	10.4	29	165	58	50	56
WB6211CLP	61	61.2	12.3	29	164	62	49	
TMC Lochaven	60	62.8	12.9	28	165	55	46	
Tekoa	59	63.5	11.5	29	169	65	52	57
AP Mondovi CL2	57	61.8	13.2	33	167	56	46	50
Butch CL+ (WA8354 CL+)	57	62.1	12.1	28	164	67	54	
Hedge CL+	57	63.3	11.8	29	170	58	48	53
Seahawk	57	62.8	11.6	29	171	62	51	56
UI Cookie	56	61.8	12.6	29	165	62	51	
Experimental Lines								
WA8384	68	63.4	11.1	30	164			
WA8380 CL+	67	63.0	10.9	34	173			
WA8408	63	63.3	11.8	30	167			
WA8327	62	63.2	11.3	30	166	62		
IDO1902S	61	64.7	11.8	30	165	58		
WA8379 CL+	61	63.2	11.1	29	166			
WA8383	59	62.8	11.5	33	166			
WA8409	59	62.4	11.8	29	165			
WA8410	58	62.9	10.8	26	163			
WA8351	56	63.6	11.6	28	165	67		
C.V.	7	0.6	3.4	4	1	10	12	9
LSD	6	0.5	0.5	1	1	6	5	4
Average	61	62.9	11.6	30	166	61	50	55
Highest	72	64.7	13.2	34	173	67	56	60
Lowest	56	61.2	10.2	26	163	55	46	50

[†]Ryan Seed Sizes: Large=9,400 seed/lb; Medium=13,150 seed/lb; Small=16,200 seed/lb

Agronomic Information

Planting Date:	4/27/2023
Harvest Date:	8/17/2023
Seeding Rate (seeds/ac):	870,000
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	101
P ₂ O ₅ (lb/ac) 1-ft sample	75
S (lb/ac) 2-ft sample	24
pH (top 6 inches)	5.3

Trial Notes:

1. The nursery was located approximately 3 miles southeast of St. John, WA.
2. The nursery was fertilized prior to seeding at 96N, 55P, 19K, 25S, and 15Cl. An additional 70N was applied on May 6, 2023.
3. Yield was 3% lower and test weight was 2.5 lb/bu more compared to 2022.

Cooperator: Rod Mills

Herbicides: Axial (15oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 23, 2023.