

2023 WSU Variety Testing Soft White Spring Wheat Trial, Pasco

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	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
Tekoa	127	63.5	11.7	37	153	13	123	123	133
Tekoa +Zn	124	63.0	11.7	37	153	40			
TMC Lochaven + Zn	121	62.5	12.1	38	150	50			
UI Cookie	121	63.2	11.9	37	148	33	126		
TMC Lochaven	117	62.3	12.2	37	150	47	118		
Roger + Zn	107	62.2	11.0	36	151	80			
Melba	103	60.2	11.0	37	154	50			
Ryan	101	60.2	12.7	38	148	70	113	114	115
Seahawk	100	61.6	12.5	37	152	60	110	107	109
Roger	99	62.3	10.9	38	150	90	106	108	
Butch CL+ (WA8354 CL+)	97	60.7	12.3	36	147	87	104		
Ryan (Small Seed)	93	60.9	12.6	37	148	77			
Ryan + Zn	91	59.7	12.4	35	147	90			
Ryan (Large Seed) [†]	89	59.6	12.5	37	147	87			
Experimental Lines									
WA8327	128	62.5	11.6	38	150	43	127	131	
IDO1902S	113	63.7	11.8	38	148	47	115		
WA8351	110	63.2	12.2	35	150	77	115		
WA8379 CL+	109	61.8	12.3	39	150	77			
WA8380 CL+	98	60.3	11.8	40	155	73			
WA8383	97	61.2	11.9	38	149	87			
WA8384	97	61.3	12.5	37	148	93			
WA8409	94	60.9	12.1	36	149	87			
WA8408	93	61.9	11.9	37	148	90			
WA8410	86	61.4	11.8	35	149	83			
C.V.	8	0.9	1.9	3	1	24	7	8	8
LSD	12	0.8	0.3	2	1	22	9	10	8
Average	105	61.7	12.0	37	150	68	116	117	119
Highest	128	63.7	12.7	40	155	93	127	131	133
Lowest	86	59.6	10.9	35	147	13	104	107	109

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

Agronomic Information

Planting Date:	3/16/2023
Harvest Date:	7/24/2023
Seeding Rate (seeds/ac):	1,090,000
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	261
P ₂ O ₅ (lb/ac) 1-ft sample	258
S (lb/ac) 2-ft sample	68
pH (top 6 inches)	7.3

Herbicides: All herbicides were applied by the cooperator

Trial Notes:

1. The nursery was located approximately 4 miles northwest of Basin City, WA.
2. The nursery was fertilized prior to seeding at a rate of 150N, 60P, 60K, 30S. All additional fertilizer was applied via fertigation.
3. Yield was 15% lower and test weight was 1.8 lb/bu more compared to 2022.

*2023, 2021, 2020, 2019 used in multi-year analyses.

Cooperator: Steve Cooper