

2023 WSU Variety Testing Soft White Spring Wheat Trial, Moses Lake

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									
UI Cookie	150	63.4	12.5	38	--	0	144	138	
Tekoa	149	63.2	12.6	41	--	0	139	133	129
TMC Lochaven	145	63.1	12.6	38	--	60	137	134	
Tekoa +Zn	145	63.9	12.8	40	--	0			
Seahawk	137	63.1	12.8	38	--	20			
Butch CL+ (WA8354 CL+)	136	61.8	12.2	36	--	77	133	136	
Melba	136	62.9	11.7	39	--	13			
TMC Lochaven + Zn	134	62.3	12.5	38	--	70			
Roger	126	62.6	11.5	39	--	80	129	128	123
Roger + Zn	117	62.2	11.4	37	--	87			
Ryan (Large Seed) [†]	114	61.4	12.6	36	--	90			
Ryan	114	61.4	12.3	35	--	77			
Ryan + Zn	112	60.4	12.2	35	--	80			
Ryan (Small Seed)	103	61.4	12.4	35	--	83			
Experimental Lines									
WA8327	146	62.6	12.3	37	--	20	139	136	134
IDO1902S	141	64.6	12.1	40	--	10	139		
WA8379 CL+	140	64.5	12.4	38	--	23	133		
WA8408	137	62.9	11.7	38	--	77			
WA8351	129	64.5	12.2	36	--	67	128	125	
WA8383	122	62.8	12.0	41	--	70	120		
WA8410	117	63.8	11.6	35	--	60			
WA8380 CL+	116	61.7	12.8	42	--	63	112		
WA8384	112	62.4	13.1	36	--	80	110		
WA8409	105	60.4	12.4	36	--	87			
C.V.	6	1.4	1.4	4	--	29	6	6	6
LSD	10	1.2	0.2	2	--	21	7	6	5
Average	128	62.6	12.3	38	--	54	130	133	129
Highest	150	64.6	13.1	42	--	90	144	138	134
Lowest	103	60.4	11.4	35	--	0	110	125	123

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

Agronomic Information

Planting Date:	3/17/2023
Harvest Date:	8/15/2023
Seeding Rate (seeds/ac):	1,090,000
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	199
P ₂ O ₅ (lb/ac) 1-ft sample	408
S (lb/ac) 2-ft sample	133
pH (top 6 inches)	6.1

Herbicides: All herbicides were applied by the cooperator.

Trial Notes:

1. The nursery was located approximately 8 miles east of Moses Lake, WA.
2. The nursery was fertilized prior to seeding by the cooperator at a rate of 164N. An additional 100N was applied via fertigation.
3. Yield was 5% greater and test weight was the same compared to 2022.

Cooperator: James Getzinger