

2023 WSU Variety Testing Soft White Spring Wheat Trial, Horse Heaven

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								
Tekoa	34	63.0	11.6	22	157	33	26	30
<i>Hedge CL+</i>	32	63.5	11.7	17	156	30	23	26
Butch CL+ (WA8354 CL+)	32	63.4	11.6	19	151	30	23	
<i>Melba</i>	31	62.3	11.3	18	158	32	25	28
TMC Lochaven	31	63.8	12.3	19	150	31	24	
Louise	30	62.0	11.1	23	155	31	24	28
Ryan	30	63.0	11.6	21	149	31	23	27
Ryan (Large Seed)[†]	30	62.7	11.6	20	148			
Ryan (Small Seed)	28	62.7	11.9	20	149			
<i>Roger</i>	28	64.0	10.5	20	152	27	21	24
AP Mondovi CL2	28	62.5	13.6	23	153	30	24	27
UI Cookie	27	62.2	12.5	20	148	28	21	
WB6211CLP	27	61.2	12.4	20	148	29	23	
Seahawk	26	63.3	11.2	20	153	28	22	25
Experimental Lines								
WA8351	37	63.6	11.1	22	152	34		
WA8380 CL+	36	63.3	11.3	25	158			
WA8327	36	63.5	11.1	22	153	34		
WA8384	34	63.2	11.1	22	150			
WA8383	33	63.4	11.3	22	151			
IDO1902S	31	64.5	11.9	20	147	28		
WA8409	30	63.0	11.2	20	149			
WA8379 CL+	30	63.4	11.1	20	153			
WA8408	30	63.8	11.4	21	149			
WA8410	28	63.7	11.0	20	148			
C.V.	7	0.5	2.0	6	1	9	9	9
LSD	3	0.5	0.3	2	2	3	2	2
Average	31	63.1	11.6	21	151	31	23	27
Highest	37	64.5	13.6	25	158	34	26	30
Lowest	26	61.2	10.5	17	147	27	21	24

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

Agronomic Information

Planting Date:	3/30/2023
Harvest Date:	7/27/2023
Seeding Rate (seeds/ac):	650,000
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	115
P ₂ O ₅ (lb/ac) 1-ft sample	58
S (lb/ac) 2-ft sample	8
pH (top 6 inches)	7.2

Trial Notes:

1. The nursery was located approximately 9 miles east of Prosser, WA.
2. The nursery was fertilized at a rate of 32N, 80P, 38K, 20S, and 30Cl. No additional fertilizer was applied after soil sampling.
3. Yield was the same and test weight was 0.7 lb/bu more compared to 2022.

Cooperator: Chad Smith

Herbicides: Axial (16oz), Talinor (16oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 17, 2023.