

## 2023 WSU Variety Testing Soft White Spring Wheat Trial, Farmington

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)
<b>Released Varieties</b>								
<i>Roger</i>	67	58.8	8.6	28	181	76	65	63
<i>Melba</i>	66	58.7	8.3	28	183	82	66	63
<b>Tekoa</b>	65	59.5	9.0	32	183	84	69	66
<b>Butch CL+ (WA8354 CL+)</b>	65	58.0	9.4	28	180	78	68	
<b>TMC Lochaven</b>	61	59.7	9.2	29	180	69	59	
<i>Hedge CL+</i>	60	59.3	9.2	31	183	78	65	62
<b>Ryan (Small Seed)<sup>†</sup></b>	60	59.0	10.4	29	179			
<b>AP Mondovi CL2</b>	56	58.5	10.3	32	181	71	62	59
<b>UI Cookie</b>	53	57.9	9.9	32	181	76	63	
<b>Louise</b>	53	59.0	8.1	31	184	77	66	60
<b>Seahawk</b>	52	58.8	9.0	28	184	74	64	62
<b>Ryan (Large Seed)</b>	52	59.7	11.4	28	178			
<b>Ryan</b>	51	59.9	12.4	26	178	66	58	56
<b>WB6211CLP</b>	51	57.9	8.5	30	183	70	61	
<b>Experimental Lines</b>								
<b>WA8408</b>	75	59.8	8.6	32	183			
<b>WA8351</b>	73	59.2	8.4	29	181	87		
<b>WA8384</b>	69	59.3	8.4	32	181			
<b>WA8409</b>	68	58.7	8.4	32	179			
<b>WA8380 CL+</b>	68	59.7	8.4	33	185			
<b>WA8327</b>	65	58.4	8.2	31	182	82		
<b>WA8383</b>	63	59.9	8.9	32	182			
<b>IDO1902S</b>	61	60.3	9.2	30	180	79		
<b>WA8410</b>	59	59.4	8.4	28	178			
<b>WA8379 CL+</b>	58	59.6	9.1	30	181			
<b>C.V.</b>	12	0.9	5.5	3	0.5	11	12	12
<b>LSD</b>	10	0.7	0.7	1	1	8	6	5
<b>Average</b>	61	59.1	9.2	30	181	77	64	61
<b>Highest</b>	75	60.3	12.4	33	185	87	69	66
<b>Lowest</b>	51	57.9	8.1	26	178	66	58	56

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

### Agronomic Information

Planting Date:	5/11/2023
Harvest Date:	9/11/2023
Seeding Rate (seeds/ac):	980,000
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	161
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	191
S (lb/ac) 2-ft sample	35
pH (top 6 inches)	5.3

### Trial Notes:

1. The nursery was located approximately 4 miles north of Palouse, WA.
2. The nursery was fertilized prior to seeding at a rate of 90N, 20S. An additional 16N, 40P, 19K, 10S, 15CI was applied on May 16, 2023.
3. Site replanted which lowered yield potential and rain after physiological maturity decreased test weight. Yield was 35% lower and test weight was 3.3 lb/bu less compared to 2022.

**Cooperator:** Andrew Nelson

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