# WASHINGTON STATE UNIVERSITY EXTENSION

## 2022 WSU Variety Testing Soft White Spring Wheat Trial, Endicott

| Variety Name | 2022 | | | | | 2 Year Average | 3 Year Average | 5 Year Average |
| Club Italicized | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | (Bu/A) | (Bu/A) | (Bu/A) |
|---|---|---|---|---|---|---|---|---|
| **Released Varieties** | | | | | | | | |
| **AP Coachman** | **60** | 59.7 | 8.7 | 36 | 171 | 41 | 53 | 60 |
| *Roger (WA8325)* | 59 | **63.0** | 9.5 | 32 | 167 | 35 | 52 | |
| *Melba* | 56 | **62.6** | 8.8 | 33 | 170 | 37 | 55 | 61 |
| *Hedge CL+* | 56 | **63.8** | 9.4 | 33 | 169 | 37 | 50 | 55 |
| **Ryan** | 55 | 61.1 | 9.5 | 33 | 165 | 40 | 54 | 58 |
| *JD* | 55 | **63.9** | 9.5 | 35 | 171 | 36 | 50 | 55 |
| **Seahawk** | 55 | **62.7** | 9.1 | 34 | 171 | 35 | 48 | 57 |
| Tekoa | 54 | **63.2** | 9.5 | 35 | 170 | 39 | 51 | 57 |
| **WB6121** | 52 | **63.1** | 11.0 | 32 | 167 | 38 | 48 | 54 |
| Louise | 52 | 61.2 | 9.2 | 38 | 170 | 39 | 57 | 61 |
| **AP Mondovi CL2** | 52 | 61.6 | 10.2 | 38 | 168 | 37 | 49 | 54 |
| **WB6211CLP** | 51 | 60.0 | 9.8 | 30 | 167 | 34 | | |
| **TMC Lochaven** | 50 | 62.2 | 10.0 | 34 | 170 | 38 | | |
| **UI Cookie** | 49 | 61.3 | 9.2 | 34 | 166 | 32 | | |
| **Experimental Lines** | | | | | | | | |
| **WA8351** | **68** | **63.9** | 8.8 | 34 | 169 | | | |
| **WA8327** | **62** | 61.9 | 9.0 | 33 | 170 | | | |
| **WA8321** | **61** | **63.2** | 8.7 | 32 | 169 | 40 | | |
| **WA8378** | 58 | **62.8** | 8.7 | 33 | 168 | | | |
| **IDO1404S** | 56 | 62.4 | 9.1 | 33 | 171 | | | |
| **WA8377** | 56 | 61.5 | 9.5 | 35 | 168 | | | |
| **WA8354 CL+** | 56 | **63.9** | 9.6 | 31 | 167 | 35 | | |
| **YSC-605** | 54 | 62.2 | 9.6 | 34 | 171 | 37 | | |
| **IDO1702S** | 54 | **63.0** | 9.1 | 33 | 166 | | | |
| **IDO1902S** | 52 | **63.7** | 9.4 | 35 | 168 | 34 | | |
| C.V. | 8 | 1.0 | 4.2 | 4 | 1 | 13 | 12 | 16 |
| LSD | 9 | 1.4 | 0.9 | 3 | 2 | NS | 6 | NS |
| Average | 55 | 62.4 | 9.4 | 34 | 169 | 37 | 52 | 57 |
| Highest | 68 | 63.9 | 11.0 | 38 | 171 | 41 | 57 | 61 |
| Lowest | 49 | 59.7 | 8.7 | 30 | 165 | 32 | 48 | 54 |

**Agronomic Information**

| | |
|---|---|
| Planting Date: | 3/29/2022 |
| Harvest Date: | 9/5/2022 |
| Seeding Rate (seeds/ft$^2$): | 20 |
| Previous Crop: | Winter Wheat |
| Spring soil test: | |
| N (lb/ac) 4-ft sample | 135 |
| $P_2O_5$ (lb/ac) 1-ft sample | 191 |
| S (lb/ac) 2-ft sample | 43 |
| pH (top 6 inches) | 6.3 |

**Trial Notes:**

1. The nursery was located approximately 3.5 miles southwest of Endicott, WA.

2. The nursery was fertilized at seeding at a rate of 19N, 5P, 12K, 12S. No additional fertilizer was applied after spring soil sampling.

3. Overall yield was 190% greater and test weight was 4.7 lb/bu more than in 2021.

**Cooperator: Monty Miller**

**Herbicides:** Axial (16.4oz), Huskie (15oz), Miravis Ace (7oz), Tilt (2oz), and Zidua (4oz) were applied on May 23.