## WASHINGTON STATE UNIVERSITY

2023 WSU Variety Testing Soft White Spring Wheat Trial, Fairfield

| Variety Name Club Italicized |  | 2023 |  |  |  |  | 2 Year Average (Bu/A) | 3 Year Average (Bu/A) | 4 Year Average (Bu/A) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Yield (Bu/A) | $\begin{aligned} & \text { Test WT } \\ & \text { (Lbs/Bu) } \end{aligned}$ | Protein (\%) | $\begin{gathered} \hline \text { Plant HT } \\ \text { (In) } \\ \hline \end{gathered}$ | Head <br> Date |  |  |  |
| Released Varieties |  |  |  |  |  |  |  |  |  |
| Ryan (Large Seed) ${ }^{+}$ |  | 105 | 60.9 | 10.1 | 34 | 173 |  |  |  |
| Ryan (Small Seed) |  | 94 | 61.8 | 9.9 | 34 | 175 |  |  |  |
| Hedge CL+ |  | 93 | 63.1 | 10.0 | 35 | 178 | 81 | 65 | 65 |
| Tekoa |  | 92 | 62.4 | 9.3 | 34 | 177 | 79 | 65 | 66 |
| Roger |  | 91 | 63.4 | 9.4 | 33 | 174 | 75 | 62 | 65 |
| TMC Lochaven |  | 91 | 62.7 | 10.0 | 33 | 177 | 79 | 64 |  |
| Ryan |  | 91 | 61.1 | 10.1 | 33 | 174 | 81 | 68 | 71 |
| Louise |  | 88 | 61.6 | 9.1 | 38 | 178 | 75 | 62 | 65 |
| Butch CL+ (WA8354 CL+) |  | 87 | 62.5 | 10.0 | 31 | 176 | 81 | 66 |  |
| WB6211CLP |  | 86 | 60.3 | 10.8 | 33 | 174 | 74 | 60 |  |
| AP Mondovi CL2 |  | 86 | 61.3 | 11.2 | 37 | 177 | 75 | 60 | 62 |
| Melba |  | 85 | 61.5 | 9.5 | 32 | 178 | 76 | 60 | 64 |
| UI Cookie |  | 83 | 61.5 | 10.0 | 34 | 176 | 74 | 60 |  |
| Seahawk |  | 81 | 61.9 | 9.9 | 33 | 180 | 74 | 61 | 64 |
| Experimental Lines |  |  |  |  |  |  |  |  |  |
| WA8327 |  | 101 | 61.8 | 9.2 | 34 | 177 | 88 |  |  |
| WA8408 |  | 100 | 62.9 | 9.2 | 34 | 177 |  |  |  |
| WA8351 |  | 98 | 62.9 | 9.2 | 33 | 175 | 85 |  |  |
| WA8379 CL+ |  | 96 | 62.6 | 9.8 | 33 | 175 |  |  |  |
| WA8409 |  | 94 | 61.9 | 9.8 | 34 | 174 |  |  |  |
| WA8380 CL+ |  | 93 | 62.2 | 9.4 | 34 | 185 |  |  |  |
| WA8383 |  | 92 | 62.2 | 10.1 | 34 | 176 |  |  |  |
| IDO1902S |  | 91 | 63.2 | 9.8 | 33 | 178 | 81 |  |  |
| WA8384 |  | 90 | 62.4 | 9.4 | 33 | 175 |  |  |  |
| WA8410 |  | 86 | 62.8 | 9.4 | 33 | 174 |  |  |  |
|  | C.V. | 8 | 0.6 | 4.4 | 3 | 0.8 | 8 | 9 | 9 |
|  | LSD | 10 | 0.5 | 0.6 | 2 | 2 | 6 | 4 | 4 |
|  | Average | 91 | 62.1 | 9.8 | 34 | 176 | 79 | 63 | 65 |
|  | Highest | 105 | 63.4 | 11.2 | 38 | 185 | 88 | 68 | 71 |
|  | Lowest | 81 | 60.3 | 9.1 | 31 | 173 | 74 | 60 | 62 |

${ }^{\top}$ Ryan Seed Sizes: Large=9,400 seed/lb; Medium=13,150 seed/lb), Small=16,200 seed/lb

Agronomic Information

| Planting Date: | $5 / 2 / 2023$ |
| :--- | :---: |
| Harvest Date: | $8 / 24 / 2023$ |
| Seeding Rate (seeds/ac): | 980,000 |
| Previous Crop: | Winter Wheat |
| Spring soil test: |  |

## Trial Notes:

1. The nursery was located approximately 5 miles east of Fairfield, WA.
2. The nursery was fertilized at seeding at a rate of $32 \mathrm{~N}, 80 \mathrm{P}, 38 \mathrm{~K}, 20 \mathrm{~S}$, and 30CI. An additional 88 N was applied on May 4, 2023.
3. Yield was $36 \%$ greater and test weight was 0.8 lb/bu more compared to 2022.

Cooperator: David Degon

Herbicides: Axial (15oz), Huskie (150z), Miravis Ace (7oz), and Tilt (2oz) were applied on May 23, 2023.

