

## 2022 WSU Variety Testing Hard Red Spring Wheat Trial Summary

Precipitation Zone - <12"

| Variety Name<br>(Hard White Italicized) | Bickleton    | Horse Heaven | Lind | Average   | Bickleton        | Horse Heaven | Lind | Average     | Bickleton   | Horse Heaven | Lind | Average     |
|-----------------------------------------|--------------|--------------|------|-----------|------------------|--------------|------|-------------|-------------|--------------|------|-------------|
|                                         | Yield (Bu/A) |              |      |           | Test Wt (Lbs/Bu) |              |      |             | Protein (%) |              |      |             |
| <b>Released Varieties</b>               |              |              |      |           |                  |              |      |             |             |              |      |             |
| CP3055                                  | 35           | 32           | 31   | <b>33</b> | 57.0             | 60.0         | 58.9 | 58.6        | 11.8        | 10.5         | 13.8 | 12.0        |
| CP3099A                                 | 34           | 32           | 32   | <b>32</b> | 57.1             | 60.4         | 60.3 | 59.2        | 11.5        | 10.8         | 13.5 | 11.8        |
| WB9623                                  | 32           | 31           | 26   | <b>30</b> | 61.6             | 62.8         | 62.6 | 62.3        | 12.3        | 11.8         | 15.9 | 13.3        |
| Net CL+                                 | 33           | 27           | 27   | 28        | 63.7             | 63.8         | 63.0 | <b>63.5</b> | 12.2        | 12.2         | 16.0 | 13.5        |
| Chet                                    | 28           | 26           | 27   | 27        | 63.5             | 63.9         | 63.7 | <b>63.7</b> | 12.3        | 12.9         | 16.5 | 14.0        |
| Glee                                    | 32           | 23           | 23   | 27        | 63.6             | 64.1         | 63.2 | <b>63.6</b> | 12.0        | 11.8         | 16.4 | 13.4        |
| Alum                                    | 30           | 24           | 26   | 27        | 61.9             | 63.8         | 63.5 | 63.0        | 12.2        | 12.4         | 15.8 | 13.5        |
| Hale (WA8315)                           | 31           | 26           | 23   | 27        | 63.3             | 63.5         | 63.2 | 63.4        | 12.2        | 13.1         | 17.2 | 14.2        |
| Jefferson HF                            | 29           | 24           | 25   | 26        | 62.0             | 62.4         | 62.1 | 62.1        | 12.3        | 12.1         | 16.6 | 13.5        |
| Kelse                                   | 30           | 23           | 24   | 26        | 63.1             | 63.7         | 62.4 | 63.0        | 12.6        | 12.4         | 17.3 | 14.2        |
| Jefferson                               | 25           | 26           | 26   | 26        | 62.3             | 62.8         | 62.5 | 62.5        | 13.0        | 11.7         | 16.1 | 13.6        |
| AP Renegade                             | 31           | 24           | 23   | 25        | 61.7             | 62.9         | 61.7 | 62.1        | 13.8        | 13.9         | 17.1 | 15.1        |
| CP3530                                  | 28           | 22           | 25   | 24        | 61.9             | 62.0         | 60.3 | 61.4        | 12.3        | 11.8         | 16.3 | 13.6        |
| WB9668                                  | 27           | 16           | 22   | 21        | 62.6             | 63.5         | 61.8 | 62.6        | 14.5        | 15.5         | 19.0 | <b>16.5</b> |
| WB9303                                  | 21           | 17           | 15   | 18        | 63.5             | 63.6         | 60.8 | 62.7        | 14.8        | 15.0         | 18.4 | <b>15.9</b> |
| <b>Experimental Lines</b>               |              |              |      |           |                  |              |      |             |             |              |      |             |
| CPX39120                                | 33           | 31           | 33   | <b>32</b> | 57.2             | 59.2         | 60.5 | 58.9        | 12.2        | 11.1         | 14.4 | 12.7        |
| WA8389 CL+                              | 29           | 28           | 25   | 28        | 63.9             | 64.1         | 63.6 | <b>63.9</b> | 11.8        | 11.7         | 15.8 | 13.0        |
| WA8355                                  | 32           | 22           | 27   | 28        | 63.2             | 64.0         | 62.8 | 63.3        | 11.6        | 11.2         | 15.6 | 13.0        |
| WA8358 CL+                              | 29           | 26           | 24   | 27        | 63.7             | 63.7         | 62.7 | 63.4        | 12.4        | 12.5         | 16.7 | 13.8        |
| WA8388 CL+                              | 31           | 26           | 23   | 26        | 63.1             | 63.8         | 62.7 | 63.2        | 12.0        | 11.7         | 16.2 | 13.1        |
| WA8356                                  | 31           | 22           | 23   | 26        | 63.1             | 63.5         | 61.6 | 62.8        | 12.1        | 12.1         | 17.5 | 13.8        |
| WA8330                                  | 29           | 23           | 23   | 25        | 63.8             | 64.1         | 61.9 | 63.3        | 12.2        | 12.3         | 16.9 | 13.8        |
| WA8387 CL+                              | 30           | 23           | 23   | 25        | 63.3             | 64.1         | 62.6 | 63.3        | 12.1        | 12.0         | 16.5 | 13.4        |
| WA8357                                  | 27           | 22           | 21   | 23        | 64.2             | 64.6         | 63.5 | <b>64.1</b> | 13.4        | 14.2         | 17.9 | 15.0        |
| C.V. %                                  | 8            | 9            | 7    | 10        | 0.9              | 0.7          | 1.2  | 1.0         | 4.8         | 4.0          | 2.3  | 4.3         |
| LSD (0.05)                              | 5            | 5            | 4    | 2         | 1.3              | 1.0          | 1.6  | 0.6         | 1.3         | 1.1          | 0.8  | 0.6         |
| Average                                 | 30           | 25           | 25   | 27        | 62.3             | 63.1         | 62.2 | 62.5        | 12.5        | 12.4         | 16.4 | 13.7        |
| Highest                                 | 35           | 32           | 33   | 33        | 64.2             | 64.6         | 63.7 | 64.1        | 14.8        | 15.5         | 19.0 | 16.5        |
| Lowest                                  | 21           | 16           | 15   | 18        | 57.0             | 59.2         | 58.9 | 58.6        | 11.5        | 10.5         | 13.5 | 11.8        |

\*Some individual locations are analyzed using nearest neighbor analysis due to field variability. Multi-location average analyzed as an RCBD leading to different calculated averages.