

2016 WSU Variety Testing Hard Spring Wheat Trial, Pasco

| Variety Name <i>Hard White Italicized</i> | 2016 | | | | | 2 Year | 3 Year | 5 Year |
|--|-----------------|---------------------|----------------|-------------|----------------|-------------------|-------------------|-------------------|
| | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT | LODGING (%) | AVERAGE (BU/A) | AVERAGE (BU/A) | AVERAGE (BU/A) |
| RELEASED VARIETIES | | | | | | | | |
| <i>Dayn</i> | 115 | 61.6 | 14.2 | 37 | 0 | -- | -- | -- |
| Glee | 113 | 63.1 | 14.9 | 36 | 0 | -- | -- | -- |
| LCS Iron (11SB0096) | 111 | 61.3 | 13.7 | 35 | 0 | -- | -- | -- |
| Alum | 107 | 61.7 | 15.5 | 36 | 0 | -- | -- | -- |
| Yurok | 100 | 61.2 | 13.9 | 34 | 0 | -- | -- | -- |
| LCS Buck Pronto | 98 | 61.9 | 16.2 | 36 | 8 | -- | -- | -- |
| SY Coho (04W40292R) | 92 | 58.0 | 14.9 | 35 | 0 | -- | -- | -- |
| Bullseye | 91 | 61.0 | 14.5 | 33 | 0 | -- | -- | -- |
| <i>UI-Platinum</i> | 91 | 61.2 | 13.2 | 32 | 0 | -- | -- | -- |
| SY Basalt | 89 | 58.5 | 15.5 | 32 | 0 | -- | -- | -- |
| WB9668 | 88 | 60.6 | 16.1 | 33 | 0 | -- | -- | -- |
| SY605 CL | 88 | 62.4 | 16.7 | 43 | 0 | -- | -- | -- |
| WB9518 | 86 | 58.4 | 15.5 | 33 | 0 | -- | -- | -- |
| WB9229 | 85 | 59.6 | 15.8 | 32 | 0 | -- | -- | -- |
| WB9200 | 85 | 62.2 | 15.6 | 33 | 0 | -- | -- | -- |
| Kelse | 81 | 59.4 | 16.3 | 37 | 0 | -- | -- | -- |
| WB9879CLP | 77 | 59.6 | 14.8 | 38 | 0 | -- | -- | -- |
| EXPERIMENTAL LINES | | | | | | | | |
| <i>WA 8264</i> | 111 | 61.7 | 14.1 | 37 | 0 | -- | -- | -- |
| <i>WA 8240 CL+</i> | 106 | 61.3 | 14.6 | 37 | 0 | -- | -- | -- |
| WA 8258 | 105 | 61.9 | 15.2 | 38 | 0 | -- | -- | -- |
| WA 8259 | 105 | 62.8 | 15.8 | 44 | 0 | -- | -- | -- |
| WA 8241 CL+ | 104 | 63.6 | 14.6 | 38 | 13 | -- | -- | -- |
| SY 04PN3051-9 | 103 | 62.9 | 14.6 | 39 | 0 | -- | -- | -- |
| WA 8260 | 99 | 62.9 | 16.1 | 38 | 0 | -- | -- | -- |
| WA 8261 | 98 | 61.5 | 15.4 | 38 | 0 | -- | -- | -- |
| <i>IDO1203S-A</i> | 97 | 61.4 | 13.9 | 34 | 8 | -- | -- | -- |
| 12SB0224 | 96 | 56.8 | 14.9 | 32 | 0 | -- | -- | -- |
| HRS 3616 | 93 | 60.8 | 15.8 | 40 | 0 | -- | -- | -- |
| 10SB0087-B | 92 | 59.7 | 14.8 | 34 | 0 | -- | -- | -- |
| WA 8263 | 89 | 61.1 | 15.3 | 36 | 0 | -- | -- | -- |
| 12SB0197 | 88 | 54.5 | 14.9 | 34 | 0 | -- | -- | -- |
| <i>WA 8262</i> | 86 | 60.3 | 14.8 | 37 | 0 | -- | -- | -- |
| YS-802-1 | 83 | 62.3 | 15.9 | 38 | 0 | -- | -- | -- |
| 12SB0199 | 79 | 54.9 | 15.3 | 34 | 0 | -- | -- | -- |
| HRS 3530 | 77 | 59.1 | 13.5 | 41 | 0 | -- | -- | -- |
| SY 06PN3015-08 | 75 | 57.0 | 16.4 | 34 | 0 | -- | -- | -- |
| C.V. % | 6 | 1 | 3 | 4 | -- | -- | -- | -- |
| LSD (0.05) | 8 | 1.0 | 0.6 | 2 | -- | -- | -- | -- |
| Average | 94 | 60.5 | 15.1 | 36 | 1 | -- | -- | -- |
| Highest | 115 | 63.6 | 16.7 | 44 | 13 | -- | -- | -- |
| Lowest | 75 | 54.5 | 13.2 | 32 | 0 | -- | -- | -- |

Agronomic Information

Planting Date: 3/18/2016
Harvest Date: 7/29/2016
Seeding Rate (lbs/acre): 100
Previous Crop: Potatoes
Spring soil test:
 N (lb/ac) 4-ft sample 417
 P (ppm-bicarb) 2-ft sample 112
 S (lb/ac) 2-ft sample 129
 pH (top foot) 5.35

Herbicide:

Huskie, 2,4-D, and Tilt were applied by the cooperator. Warrior was applied later on for cereal leaf beetle control.

Trial Notes:

- 1.** This is a new location for 2016. The Pasco nursery was located about 1.5 miles NW of Connell, WA. It was difficult to find an irrigated spring wheat producer located closer to Pasco. All yield, test weight, and protein values within the 5% range of the highest value are shown in bold.
- 2.** Hessian fly was present at this location early in the season and caused yield losses in susceptible varieties.
- 3.** Only one fungicide application was applied. Stripe rust developed later in the season, and may have had a small impact on susceptible varieties.

Cooperator: T. Schuh