



2020 WSU/OSU Variety Testing Hard Winter Wheat Trial, Walla Walla

| Variety Name                 | 2020            |                     |                |                  |              | 2 Year            | 3 Year            | 5 Year            |
|------------------------------|-----------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|-------------------|
|                              | Yield<br>(Bu/A) | Test WT<br>(Lbs/Bu) | Protein<br>(%) | Plant HT<br>(In) | Head<br>Date | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <i>Hard White Italicized</i> |                 |                     |                |                  |              |                   |                   |                   |
| <b>Released Varieties</b>    |                 |                     |                |                  |              |                   |                   |                   |
| AP Redeye                    | 132             | 64.6                | 11.3           | 35               | --           | 110               |                   |                   |
| LCS Rocket                   | 132             | 62.4                | 11.5           | 34               | --           | 116               | 123               | 130               |
| LCS Evina                    | 131             | 63.4                | 12.8           | 35               | --           | 119               | 125               |                   |
| LCS Zoom                     | 129             | 62.3                | 11.1           | 35               | --           | 108               | 109               |                   |
| LCS Aymeric                  | 128             | 61.6                | 10.7           | 35               | --           | 110               | 115               |                   |
| <i>Irv</i>                   | 127             | 63.8                | 11.4           | 35               | --           | 107               | 107               |                   |
| LCS Jet                      | 126             | 63.3                | 11.5           | 35               | --           | 113               | 116               | 128               |
| <i>Millie</i>                | 125             | 65.2                | 12.2           | 34               | --           | 106               | 106               |                   |
| Scorpio                      | 124             | 62.9                | 11.5           | 35               | --           | 109               | 111               |                   |
| SY Touchstone                | 121             | 64.5                | 12.3           | 35               | --           | 107               | 108               | 116               |
| UI Bronze Jade               | 120             | 62.9                | 11.5           | 34               | --           | 107               |                   |                   |
| WB4394                       | 119             | 64.6                | 12.1           | 35               | --           | 102               |                   |                   |
| Canvas                       | 119             | 65.6                | 12.0           | 35               | --           |                   |                   |                   |
| Guardian                     | 118             | 65.8                | 12.1           | 33               | --           |                   |                   |                   |
| SY Clearstone CL2            | 112             | 63.6                | 12.5           | 35               | --           | 97                |                   | 97                |
| WB4311                       | 110             | 64.8                | 12.6           | 34               | --           | 89                | 95                |                   |
| WB4623CLP                    | 108             | 64.4                | 13.2           | 35               | --           | 94                |                   |                   |
| Kairos                       | 100             | 63.6                | 12.0           | 33               | --           |                   |                   |                   |
| WB4303                       | 97              | 64.2                | 12.1           | 35               | --           | 91                | 101               |                   |
| Keldin                       | 95              | 64.7                | 11.8           | 35               | --           | 92                | 98                | 110               |
| <b>Experimental Lines</b>    |                 |                     |                |                  |              |                   |                   |                   |
| LWH16-10541                  | 134             | 59.0                | 12.3           | 35               | --           | 117               |                   |                   |
| WA 8289                      | 134             | 62.3                | 10.6           | 35               | --           | 116               | 121               |                   |
| WA 8309                      | 133             | 59.8                | 11.6           | 35               | --           | 118               |                   |                   |
| OR2160011R                   | 132             | 62.9                | 11.3           | 34               | --           | 114               |                   |                   |
| OR2170052H                   | 132             | 64.0                | 11.1           | 35               | --           |                   |                   |                   |
| LWH17-5083                   | 128             | 63.6                | 12.1           | 35               | --           |                   |                   |                   |
| CO15D098R                    | 124             | 66.0                | 11.8           | 34               | --           |                   |                   |                   |
| OR2160008R                   | 123             | 62.0                | 11.9           | 34               | --           | 108               |                   |                   |
| OR2150100R                   | 119             | 64.1                | 12.3           | 36               | --           |                   |                   |                   |
| OR2150065H                   | 119             | 63.8                | 12.4           | 35               | --           |                   |                   |                   |
| OR2150168H                   | 115             | 63.0                | 12.0           | 34               | --           | 106               |                   |                   |
| IDO 1806                     | 109             | 65.5                | 12.0           | 35               | --           |                   |                   |                   |
| MTCL1732                     | 109             | 64.0                | 11.9           | 35               | --           |                   |                   |                   |
| IDO 1906                     | 105             | 63.4                | 12.1           | 36               | --           |                   |                   |                   |
| OR2150169R                   | 101             | 60.7                | 11.4           | 35               | --           | 98                |                   |                   |
| MTCL1737                     | 96              | 63.2                | 12.1           | 35               | --           |                   |                   |                   |
| C.V. %                       | 9               | 1.0                 | 2.4            | 2                | --           | 8                 | 8                 | 7                 |
| LSD (0.05)                   | 22              | 1.7                 | 0.8            | 2                | --           | 11                | 9                 | 6                 |
| Average                      | 119             | 63.5                | 11.9           | 35               | --           | 106               | 110               | 116               |
| Highest                      | 134             | 66.0                | 13.2           | 36               | --           | 119               | 125               | 130               |
| Lowest                       | 95              | 59.0                | 10.6           | 33               | --           | 89                | 95                | 97                |

**Agronomic Information**

|  |            |
|--|------------|
| Planting Date:                         | 10/16/2019 |
| Harvest Date:                          | 7/28/2020  |
| Seeding Rate (seeds/ft <sup>2</sup> ): | 21         |
| Previous Crop:                         |            |
| Spring soil test:                      |            |
| N (lb/ac) 4-ft sample                  | 362        |
| P (ppm-bicarb) 2-ft sample             | 19         |
| S (lb/ac) 2-ft sample                  | 28         |
| pH (top 6 inches)                      | 5.3        |

**Trial Notes:**

1. The Walla Walla nursery was located about 3 miles SW of Dixie, WA.
2. Overall yield was 31% greater than 2019 and test weight was 0.6 lb/bu greater.

Cooperator: Jay Nowogroski and Jason Lynch