

2021 WSU Variety Testing Soft Winter Wheat Trial, Connell

| Variety Name<br><i>Club Italicized</i> | 2021            |                     |                |                  |              | 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>Released Varieties</i>              |                 |                     |                |                  |              |                   |                   |                   |
| LCS Shine                              | 55              | 60.6                | 11.7           | 22               | 133          | 59                | 62                |                   |
| Stingray CL+                           | 52              | 59.2                | 13.8           | 27               | 135          | 50                |                   |                   |
| SY Command                             | 50              | 58.2                | 11.9           | 27               | 133          | 57                | 61                | 63                |
| Norwest Tandem                         | 49              | 59.2                | 12.3           | 23               | 132          | 53                | 58                | 58                |
| Piranha CL+ (WA8305 CL+)               | 48              | 58.5                | 12.4           | 28               | 136          | 53                | 60                |                   |
| VI Frost                               | 47              | 59.5                | 13.9           | 26               | 134          | 50                | 55                | 58                |
| Resilience CL+                         | 47              | 60.2                | 13.4           | 25               | 135          | 47                |                   |                   |
| VI Presto CL+ (UIL 17-6451 CL+)        | 47              | 60.7                | 13.7           | 30               | 135          | 53                | 56                |                   |
| Norwest Duet                           | 47              | 56.6                | 13.4           | 29               | 138          | 58                | 60                | 64                |
| M-idas                                 | 46              | 59.1                | 12.1           | 23               | 131          | 56                |                   |                   |
| Appleby CL+                            | 46              | 60.0                | 13.9           | 28               | 131          | 51                | 56                |                   |
| LCS Hulk                               | 46              | 58.5                | 13.5           | 27               | 135          | 57                | 61                | 62                |
| Jasper                                 | 45              | 57.8                | 13.5           | 27               | 135          | 55                | 59                | 62                |
| Purl                                   | 45              | 59.3                | 12.7           | 26               | 134          | 53                |                   |                   |
| AP Dynamic                             | 44              | 58.5                | 13.3           | 27               | 138          | 54                | 60                |                   |
| Devote                                 | 44              | 60.4                | 13.5           | 26               | 137          | 55                | 61                | 62                |
| Otto                                   | 44              | 59.6                | 13.4           | 28               | 139          | 52                | 55                | 58                |
| UI Magic CL+                           | 43              | 59.3                | 14.1           | 24               | 134          | 50                | 56                | 57                |
| Puma                                   | 43              | 57.5                | 13.4           | 28               | 137          | 52                | 57                | 60                |
| <i>Pritchett</i>                       | 43              | 60.3                | 12.9           | 27               | 136          | 54                | 57                | 63                |
| WB1529                                 | 43              | 60.6                | 13.9           | 24               | 134          | 51                | 55                | 58                |
| M-press                                | 42              | 58.5                | 12.9           | 26               | 135          | 55                | 59                |                   |
| Puma + Zn                              | 41              | 57.6                | 13.6           | 27               | 136          |                   |                   |                   |
| LCS Sonic                              | 40              | 56.5                | 13.9           | 27               | 135          | 54                | 57                | 60                |
| <i>ARS-Crescent</i>                    | 40              | 57.3                | 13.4           | 25               | 139          | 56                | 58                | 59                |
| <i>ARS-Castella</i>                    | 38              | 58.3                | 12.9           | 22               | 136          | 47                | 53                | 60                |
| Mela CL+                               | 37              | 60.1                | 13.3           | 25               | 138          | 51                | 56                | 61                |
| VI Voodoo CL+ (UIL 17-6268 CL+)        | 37              | 58.7                | 13.4           | 21               | 134          |                   |                   |                   |
| Curiosity CL+                          | 35              | 59.0                | 13.2           | 26               | 138          | 49                | 55                | 60                |
| YSC-93                                 | 35              | 56.3                | 13.1           | 25               | 132          |                   |                   |                   |
| YSC-215                                | 32              | 55.6                | 13.7           | 26               | 135          |                   |                   |                   |
| WB1783                                 | 31              | 58.1                | 14.4           | 26               | 135          | 43                | 51                | 52                |
| <i>Experimental Lines</i>              |                 |                     |                |                  |              |                   |                   |                   |
| UIL 17-7706 CL+                        | 51              | 58.3                | 12.9           | 22               | 135          |                   |                   |                   |
| WA8334                                 | 50              | 59.4                | 12.2           | 26               | 136          |                   |                   |                   |
| WA8332                                 | 46              | 57.4                | 13.7           | 29               | 138          |                   |                   |                   |
| UIL 13-553051A                         | 45              | 56.9                | 13.7           | 24               | 135          |                   |                   |                   |
| GS2                                    | 45              | 60.3                | 13.6           | 29               | 139          |                   |                   |                   |
| WA8333                                 | 45              | 59.1                | 12.7           | 28               | 136          |                   |                   |                   |
| WA8331                                 | 45              | 57.4                | 12.7           | 28               | 138          |                   |                   |                   |
| LWW18-5080                             | 45              | 57.7                | 12.7           | 23               | 135          |                   |                   |                   |
| OR2130755                              | 44              | 58.3                | 13.0           | 26               | 134          | 51                |                   |                   |
| 09PN118-02 CL2                         | 44              | 57.1                | 13.6           | 27               | 136          |                   |                   |                   |
| <i>ARSX12097-8D</i>                    | 43              | 57.6                | 13.2           | 26               | 140          |                   |                   |                   |
| IDO2008                                | 43              | 58.0                | 13.4           | 26               | 137          |                   |                   |                   |
| LWW17-5815                             | 43              | 58.5                | 13.4           | 26               | 138          | 50                |                   |                   |

|                       |    |             |      |    |     |    |    |    |
|-----------------------|----|-------------|------|----|-----|----|----|----|
| <b>LWW17-5877</b>     | 42 | 57.0        | 13.1 | 24 | 131 |    |    |    |
| <b>LWW17-8185</b>     | 40 | 58.0        | 12.4 | 26 | 133 |    |    |    |
| <b>ORI2190025 CL+</b> | 39 | 57.8        | 13.4 | 26 | 132 |    |    |    |
| OR5170022             | 37 | 58.3        | 15.0 | 23 | 135 | 49 |    |    |
| <b>LWW18-0587</b>     | 36 | 58.2        | 13.6 | 26 | 135 |    |    |    |
| WA8317                | 36 | <b>58.8</b> | 14.0 | 25 | 138 | 50 |    |    |
| <b>WA8290</b>         | 36 | 58.6        | 12.6 | 28 | 136 | 47 | 54 |    |
| ARSX12015-68CBW       | 32 | 54.5        | 13.6 | 24 | 139 | 47 |    |    |
| <b>C.V.</b>           | 11 | 1.8         | 2.5  | 5  | 1   | 13 | 11 | 10 |
| <b>LSD</b>            | 7  | 2.0         | 0.5  | 2  | 1   | 7  | 5  | 4  |
| <b>Average</b>        | 43 | 58.4        | 13.3 | 26 | 136 | 52 | 58 | 60 |
| <b>Highest</b>        | 55 | 60.7        | 15.0 | 30 | 140 | 59 | 62 | 64 |
| <b>Lowest</b>         | 31 | 54.5        | 11.7 | 21 | 131 | 43 | 51 | 52 |

#### Agronomic Information

|   |           |
|---|-----------|
| Planting Date:                                    | 9/11/2020 |
| Harvest Date:                                     | 7/12/2021 |
| Seeding Rate (seeds/ft <sup>2</sup> ):            | 12.5      |
| Previous Crop:                                    | Fallow    |
| Spring soil test:                                 |           |
| N (lb/ac) 4-ft sample                             | 186       |
| P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample | 146       |
| S (lb/ac) 2-ft sample                             | 18        |
| pH (top 6 inches)                                 | 5.6       |

#### Trial Notes:

1. The Connell nursery was located 7 miles SE of Connell, WA.
2. The nursery was fertilized prior to seeding at a rate of 80N, 10S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 30% lower than 2020 and test weight was 1.2 lb/bu less.

**Cooperator: Luke Van Hollebeke**

Herbicide: Aproach Prima (5oz), Embed Xtra (12oz), Wide R Match (14oz) and Liberate were applied on April 2, 2021. Metribuzin (0.5lb) was applied on April 29, 2021.