

2018 WSU Variety Testing Soft Spring Wheat Trial, St. John

| Variety Name<br><i>Club Italicized</i> | 2018            |                     |                |                  |              | 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) |
| <b>Released Varieties</b>              |                 |                     |                |                  |              |                   |                   |                   |
| <b>Tekoa</b>                           | 104             | 62.3                | 10.5           | 34               | 173          | 87                | 66                | 68                |
| <b>Louise</b>                          | 104             | 61.3                | 10.8           | 38               | 171          | 91                | 67                | 67                |
| <b>Ryan</b>                            | 102             | 61.5                | 10.9           | 35               | 168          | 89                | 69                |                   |
| <i>Melba</i>                           | 100             | 61.9                | 10.1           | 32               | 172          | 91                | 69                | 68                |
| <b>Whit</b>                            | 100             | 61.1                | 10.7           | 35               | 168          | 85                | 65                | 65                |
| <b>Babe</b>                            | 100             | 61.7                | 11.3           | 34               | 170          | 88                | 68                | 65                |
| <b>WB6341</b>                          | 99              | 60.9                | 9.5            | 32               | 168          | 89                | 69                |                   |
| <b>Seahawk</b>                         | 97              | 61.5                | 10.6           | 35               | 175          | 85                | 65                | 65                |
| <b>SY Saltese</b>                      | 95              | 61.9                | 10.2           | 35               | 168          | 85                |                   |                   |
| <b>Diva</b>                            | 94              | 61.1                | 10.9           | 36               | 170          | 85                | 64                | 69                |
| <i>JD</i>                              | 93              | 62.6                | 11.7           | 39               | 171          | 84                | 64                | 64                |
| <b>WB6121</b>                          | 89              | 62.4                | 11.8           | 30               | 168          | 74                | 58                |                   |
| <b>WB-1035CL+</b>                      | 85              | 60.3                | 12.1           | 32               | 168          | 73                | 56                | 57                |
| <b>Experimental Lines</b>              |                 |                     |                |                  |              |                   |                   |                   |
| <b>08PN2001-07</b>                     | 104             | 59.9                | 10.1           | 37               | 171          |                   |                   |                   |
| <b>WA 8298 CL+</b>                     | 100             | 61.8                | 11.0           | 38               | 168          |                   |                   |                   |
| <b>WA 8277</b>                         | 99              | 63.2                | 11.4           | 38               | 168          |                   |                   |                   |
| <b>WA 8266 CL+</b>                     | 96              | 61.2                | 10.5           | 36               | 174          | 85                |                   |                   |
| <b>14-FAC-2043</b>                     | 95              | 59.2                | 10.7           | 34               | 173          |                   |                   |                   |
| <b>14-SW-1059</b>                      | 93              | 57.9                | 10.8           | 35               | 176          | 85                |                   |                   |
| <b>WA 8297 CL+</b>                     | 93              | 61.2                | 11.1           | 31               | 170          |                   |                   |                   |
| <i>WA 8295 CL+</i>                     | 92              | 62.1                | 11.1           | 37               | 171          |                   |                   |                   |
| <b>WA 8296 CL+</b>                     | 91              | 61.2                | 10.6           | 35               | 171          |                   |                   |                   |
| <b>11PN2532-507</b>                    | 89              | 61.0                | 11.8           | 37               | 169          |                   |                   |                   |
| <b>IDO1403S</b>                        | 78              | 60.2                | 11.9           | 32               | 174          |                   |                   |                   |
| <b>C.V. %</b>                          | 5               | 0.5                 | 4.3            | 4                | 1            | 6                 | 6                 | 6                 |
| <b>LSD (0.05)</b>                      | 7               | 0.4                 | 0.6            | 2                | 2            | 5                 | 4                 | 3                 |
| <b>Average</b>                         | 96              | 61.2                | 10.9           | 35               | 171          | 85                | 65                | 65                |
| <b>Highest</b>                         | 104             | 63.2                | 12.1           | 39               | 176          | 91                | 69                | 69                |
| <b>Lowest</b>                          | 78              | 57.9                | 9.5            | 30               | 168          | 73                | 56                | 57                |

**Agronomic Information**

|  |              |
|--|--------------|
| Planting Date:                         | 4/23/2018    |
| Harvest Date:                          | 8/30/2018    |
| Seeding Rate (seeds/ft <sup>2</sup> ): | 20           |
| Previous Crop:                         | Winter Wheat |
| Spring soil test:                      |              |
| N (lb/ac) 4-ft sample                  | 50           |
| P (ppm-bicarb) 2-ft sample             | 96           |
| S (lb/ac) 2-ft sample                  | 18           |
| pH (top 6 inches)                      | 5.3          |

**Trial Notes:**

1. The St. John nursery was located about 4 miles northwest of St. John, WA.
2. The nursery was fertilized prior to seeding with 80N 10S.
3. The St. John spring nursery was lost in 2017.

**Cooperator: M. Mills**

\* 2-Year average from 2018, 2016

\*\* 3-Year average from 2018, 2016, 2015

\*\* 5-Year average from 2018, 2016, 2015, 2014, 2013

Herbicide:

Huskie, Axial XL, Tilt on 05/31/18