

2017 WSU Variety Testing SW Spring Wheat Trial, Reardan

| Variety Name<br><i>Club Italicized</i> | 2017            |                     |                |             | 2 Year            | 3 Year*           | 5 Year**          |
|--|-----------------|---------------------|----------------|-------------|-------------------|-------------------|-------------------|
|  | YIELD<br>(BU/A) | TEST WT<br>(LBS/BU) | PROTEIN<br>(%) | PLANT<br>HT | AVERAGE<br>(BU/A) | AVERAGE<br>(BU/A) | AVERAGE<br>(BU/A) |
| <b>RELEASED VARIETIES</b>              |                 |                     |                |             |                   |                   |                   |
| WB6341                                 | 70              | 62.5                | 9.5            | 30          | 66                | 55                |                   |
| Babe                                   | 69              | 63.8                | 11.1           | 32          | 61                | 51                | 60                |
| Tekoa (WA 8189)                        | 69              | <b>64.4</b>         | 10.6           | 32          | 73                | 58                |                   |
| Louise                                 | 69              | 62.2                | 9.7            | 34          | 71                | 58                | 65                |
| Melba                                  | 66              | 63.3                | 10.0           | 29          | 76                | 61                |                   |
| Diva                                   | 65              | 62.7                | 11.0           | 33          | 70                | 59                | 66                |
| Ryan (WA 8214)                         | 65              | 62.6                | 10.5           | 30          | 71                | 59                |                   |
| SY Saltese (SY 04PN3024-2)             | 64              | 63.5                | 10.5           | 33          | 70                |                   |                   |
| WB6430                                 | 62              | 63.1                | 10.2           | 27          |                   |                   |                   |
| Whit                                   | 62              | 62.9                | 11.2           | 31          | 63                | 54                | 62                |
| Seahawk                                | 62              | 63.3                | 11.0           | 30          | 73                | 59                | 64                |
| JD                                     | 61              | <b>64.0</b>         | 11.1           | 32          | 68                | 55                | 60                |
| WB6121                                 | 58              | 62.7                | 11.8           | 29          | 64                |                   |                   |
| WB-1035CL+                             | 55              | 62.7                | 12.5           | 28          | 52                | 46                | 53                |
| <b>EXPERIMENTAL LINES</b>              |                 |                     |                |             |                   |                   |                   |
| 14-FAC-2043                            | 66              | 60.8                | 10.6           | 32          |                   |                   |                   |
| WA 8265 CL+                            | 65              | 62.5                | 10.3           | 33          | 63                |                   |                   |
| WA 8266 CL+                            | 65              | 62.0                | 10.4           | 31          | 65                |                   |                   |
| WA 8278                                | 64              | 62.3                | 10.7           | 33          |                   |                   |                   |
| WA 8277                                | 64              | <b>64.2</b>         | 11.2           | 32          |                   |                   |                   |
| 14-SW-1059                             | 64              | 61.0                | 11.7           | 31          | 77                |                   |                   |
| YS-603                                 | 60              | 63.1                | 12.1           | 31          |                   |                   |                   |
| WA 8236 CL+                            | 58              | 63.7                | 11.0           | 31          | 64                |                   |                   |
| 14-SW-1030                             | 58              | 61.3                | 11.4           | 32          | 74                |                   |                   |
| IDO1403S                               | 53              | 62.0                | 12.0           | 27          |                   |                   |                   |
| C.V. %                                 | 6               | 1                   | 4              | 3           | 6                 | 6                 | 6                 |
| LSD (0.05)                             | 5               | 0.5                 | 0.6            | 1           | 4                 | 3                 | 2                 |
| Average                                | 63              | 62.8                | 10.9           | 31          | 68                | 56                | 61                |
| Highest                                | 70              | 64.4                | 12.5           | 34          | 77                | 61                | 66                |
| Lowest                                 | 53              | 60.8                | 9.5            | 27          | 52                | 46                | 53                |

**Agronomic Information**

|  |           |
|--|-----------|
| Planting Date:                         | 4/24/2017 |
| Harvest Date:                          | 9/12/2017 |
| Seeding Rate (seeds/ft <sup>2</sup> ): | 20        |
| Previous Crop:                         | Chickpeas |
| Spring soil test:                      |           |
| N (lb/ac) 4-ft sample                  | 47        |
| P (ppm-bicarb) 2-ft sample             | 48        |
| S (lb/ac) 2-ft sample                  | 23        |
| pH (top six inches)                    | 5.5       |
| Herbicide:                             |           |
| Huskie, Tilt applied on 6/20           |           |

**Trial Notes:**

1. The Reardan nursery was located about 7 miles west of Reardan, WA . All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This is a no-till location and fertilizer applied at planting (not accounted for in the soil sample) was: 65#N, 11#P, 11#S.
3. This trials seemed to handle the heat better than others, producing good TW and decent yields.

**Cooperator:** H. Johnson

\* 3-Year average from 2017, 2016, 2014

\*\* 5-Year average from 2017, 2016, 2014, 2013, 2012