

2022 WSU Variety Testing Spring Barley Trial, Pullman

| Variety Name<br><i>Malt Italicized</i> | 2022             |                     |                |              |                  |              | 2 Year            | 3 Year            | 5 Year            |
|----------------------------------------|------------------|---------------------|----------------|--------------|------------------|--------------|-------------------|-------------------|-------------------|
|                                        | Yield<br>(Lbs/A) | Test WT<br>(Lbs/Bu) | Protein<br>(%) | Plump<br>(%) | Plant HT<br>(In) | Head<br>Date | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <b>Released Varieties</b>              |                  |                     |                |              |                  |              |                   |                   |                   |
| <i>KWS Jessie</i>                      | 6610             | 48.3                | --             | 95.7         | 25               | 184          | 4480              |                   |                   |
| <i>KWS Willis</i>                      | 6170             | 47.2                | --             | 95.7         | 30               | 180          |                   |                   |                   |
| <b>Oreana</b>                          | 6030             | 48.3                | --             | 79.0         | 29               | 180          | 3940              | 4450              | 4500              |
| <i>BC Lexy</i>                         | 5970             | 46.1                | --             | 97.5         | 28               | 184          |                   |                   |                   |
| <i>KWS Amadora</i>                     | 5970             | 48.8                | --             | 91.3         | 27               | 185          | 4080              |                   |                   |
| <i>BC Leandra</i>                      | 5760             | 45.0                | --             | 89.3         | 28               | 184          | 3950              |                   |                   |
| <b>Lyon</b>                            | 5700             | 49.9                | --             | 89.0         | 34               | 175          |                   |                   |                   |
| <i>BC Ellinor</i>                      | 5640             | 44.8                | --             | 94.3         | 31               | 182          | 3910              |                   |                   |
| <i>LCS Opera</i>                       | 5600             | 42.4                | --             | 85.7         | 30               | 178          | 3950              | 4500              |                   |
| <i>LCS Odyssey</i>                     | 5510             | 44.8                | --             | 93.0         | 29               | 177          | 3810              | 4320              | 4340              |
| <b>Altorado</b>                        | 5420             | 48.1                | --             | 82.3         | 31               | 178          | 3620              | 4310              | 4790              |
| <b>Claymore</b>                        | 4910             | 45.9                | --             | 73.0         | 35               | 181          | 3340              | 4140              | 4300              |
| <i>ACC Synergy</i>                     | 4830             | 48.2                | --             | 91.3         | 36               | 175          |                   |                   |                   |
| <b>Lenetah</b>                         | 4780             | 48.6                | --             | 85.7         | 34               | 180          | 3280              | 4000              | 4330              |
| <i>Palmer</i>                          | 4620             | 48.2                | --             | 92.7         | 37               | 180          | 3290              | 3840              | 4270              |
| <i>ACC Connect</i>                     | 4580             | 47.7                | --             | 87.7         | 35               | 177          |                   |                   |                   |
| <b>Survivor</b>                        | 4550             | 49.3                | --             | 89.3         | 30               | 180          | 3480              | 4590              | 4500              |
| <i>CDC Copeland</i>                    | 3960             | 43.7                | --             | 81.0         | 33               | 185          |                   |                   |                   |
| <b>Experimental Lines</b>              |                  |                     |                |              |                  |              |                   |                   |                   |
| <b>HO516-579</b>                       | 5450             | 45.9                | --             | 58.3         | 29               | 180          | 3540              |                   |                   |
| <b>HO516-429</b>                       | 5240             | 46.1                | --             | 79.7         | 37               | 180          |                   |                   |                   |
| <i>14WAIM-3604.29</i>                  | 5210             | 47.3                | --             | 88.3         | 33               | 175          |                   |                   |                   |
| <i>14WAI/3613.2</i>                    | 4720             | 47.4                | --             | 80.0         | 34               | 175          |                   |                   |                   |
| <i>14WAIM-3620.68</i>                  | 4030             | 46.5                | --             | 78.0         | 35               | 174          |                   |                   |                   |
| <b>C.V.</b>                            | 12               | 2.9                 | --             | 5.4          | 8                | 0            | 15                | 12                | 19                |
| <b>LSD</b>                             | 860              | 1.9                 | --             | 6.4          | 3                | 1            | 640               | 430               | NS                |
| <b>Average</b>                         | 5270             | 46.9                | --             | 86.0         | 32               | 179          | 3760              | 4270              | 4430              |
| <b>Highest</b>                         | 6610             | 49.9                | --             | 97.5         | 37               | 185          | 4480              | 4590              | 4790              |
| <b>Lowest</b>                          | 3960             | 42.4                | --             | 58.3         | 25               | 174          | 3280              | 3840              | 4270              |

**Agronomic Information**

|                                                   |               |
|---------------------------------------------------|---------------|
| Planting Date:                                    | 4/25/2022     |
| Harvest Date:                                     | N/A           |
| Seeding Rate (seeds/ft <sup>2</sup> ):            | 20            |
| Previous Crop:                                    | Spring Barley |
| Spring soil test:                                 |               |
| N (lb/ac) 4-ft sample                             | 190           |
| P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample | 162           |
| S (lb/ac) 2-ft sample                             | 33            |
| pH (top 6 inches)                                 | 5.5           |

**Herbicides:** Huskie, Dagger, Axial Bold, and Tilt were applied on June 3.  
Tilt was applied on July 8.

**Trial Notes:**

1. The nursery was located approximately 2.5 miles southeast of Pullman, WA.
2. This nursery was maintained by the WSU Barley Breeding Program.
3. Overall yield was 161% greater and test weight was 0.7 lb/bu less than in 2021.

**Cooperator: Frank Anderson**