

## 2021 WSU Variety Testing Spring Barley Trial, Pullman

| Variety Name<br><i>Malt Italicized</i> | 2021             |                     |                |              |                  |              | 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>              |                  |                     |                |              |                  |              |                   |                   |                   |
| <b>Survivor</b>                        | 2600             | 49.1                | 14.0           | 71.0         | 20               | 181          | 4300              | 4610              | 4740              |
| <i>KWS Thalís</i>                      | 2540             | 48.9                | 13.8           | 71.4         | 19               | 180          |                   |                   |                   |
| <i>KWS Fantex</i>                      | 2300             | 47.6                | 14.4           | 69.8         | 19               | 181          | 5370              |                   |                   |
| <i>LCS Opera</i>                       | 2290             | 47.5                | 13.5           | 83.8         | 20               | 181          | 4250              | 4610              |                   |
| <i>KWS Jessie</i>                      | 2220             | 48.2                | 13.8           | 81.4         | 20               | 181          | 3220              |                   |                   |
| <i>BC Leandra</i>                      | 2150             | 45.7                | 13.2           | 77.0         | 18               | 181          |                   |                   |                   |
| <i>BC Elinor</i>                       | 2120             | 47.0                | 14.1           | 79.6         | 22               | 180          |                   |                   |                   |
| <i>KWS Amadora</i>                     | 2050             | 47.5                | 13.4           | 69.9         | 19               | 180          | 3900              |                   |                   |
| <i>LCS Odyssey</i>                     | 1990             | 46.5                | 14.2           | 81.8         | 21               | 180          | 3590              | 4110              | 4290              |
| <i>Palmer</i>                          | 1900             | 46.9                | 15.3           | 73.9         | 22               | 180          | 3700              | 3990              | 4480              |
| <b>Oreana</b>                          | 1880             | 49.8                | 14.5           | 76.2         | 19               | 179          | 3550              | 4040              | 4420              |
| <b>Altorado</b>                        | 1820             | 47.6                | 14.9           | 60.3         | 18               | 180          | 3670              | 4080              | 4790              |
| <b>Lenetah</b>                         | 1820             | 48.9                | 14.5           | 74.1         | 19               | 183          | 4210              | 4400              | 4910              |
| <b>Claymore</b>                        | 1740             | 45.9                | 14.1           | 68.8         | 22               | 181          | 3830              | 4240              | 4400              |
| <b>Experimental Lines</b>              |                  |                     |                |              |                  |              |                   |                   |                   |
| <b>14WAIM-3604.24</b>                  | 2060             | 48.4                | 14.4           | 51.6         | 20               | 180          |                   |                   |                   |
| <b>14WAIM-3604.10</b>                  | 1860             | 46.1                | 14.5           | 64.4         | 19               | 181          |                   |                   |                   |
| <b>HO516-579</b>                       | 1750             | 47.1                | 15.0           | 48.2         | 18               | 180          | 3640              |                   |                   |
| <b>14WAIM-3619.7</b>                   | 1220             | 47.4                | 15.4           | 58.9         | 19               | 181          |                   |                   |                   |
| <b>C.V.</b>                            | 9                | 1.1                 | 2.7            | 5.1          | 6                | 1            | 14                | 12                | 14                |
| <b>LSD</b>                             | 310              | 0.9                 | 0.7            | 6.2          | 2                | 1            | 630               | 480               | 460               |
| <b>Average</b>                         | 2020             | 47.6                | 14.3           | 70.1         | 20               | 181          | 3940              | 4260              | 4570              |
| <b>Highest</b>                         | 2600             | 49.8                | 15.4           | 83.8         | 22               | 183          | 5370              | 4610              | 4910              |
| <b>Lowest</b>                          | 1220             | 45.7                | 13.2           | 48.2         | 18               | 179          | 3220              | 3990              | 4290              |

### Agronomic Information

Planting Date: 4/7/2021

Harvest Date:

Seeding Rate (seeds/ft<sup>2</sup>): 27

Previous Crop:

Spring soil test:

N (lb/ac) 4-ft sample

P<sub>2</sub>O<sub>5</sub> (lb/ac) 1-ft sample

S (lb/ac) 2-ft sample

pH (top 6 inches)

Herbicide: Herbicides were applied by the cooperator.

### Trial Notes:

1. The Pullman nursery was located 2.5 miles SE of Pullman, WA.
2. The nursery was fertilized prior to seeding by the cooperator. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 58% lower than 2019 (no 2020 data) and test weight was 6.4 lb/bu less.

**Cooperator: Spillman Farm**