

## 2022 WSU Variety Testing Spring Barley Trial, Fairfield

| 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 Willis</i>                      | 4620             | 50.1                | 10.9           | 96.3         | 27.9             | 187          |                   |                   |                   |
| <i>KWS Jessie</i>                      | 4610             | 50.9                | 10.8           | 96.0         | 25.8             | 186          | 3134              | 4254              |                   |
| <i>BC Lexy</i>                         | 4580             | 49.8                | 10.8           | 95.7         | 28.2             | 188          |                   |                   |                   |
| <b>Lenetah</b>                         | 4580             | 52.9                | 11.1           | 94.3         | 29.5             | 187          | 2957              | 3730              | 3937              |
| <b>Claymore</b>                        | 4570             | 50.9                | 11.0           | 93.3         | 33.4             | 188          | 3321              | 3961              | 3790              |
| <b>Altorado</b>                        | 4570             | 51.6                | 11.5           | 90.0         | 28.1             | 187          | 3176              | 3918              | 4238              |
| <b>Oreana</b>                          | 4550             | 52.1                | 11.8           | 93.3         | 26.4             | 187          | 3272              | 4200              | 4258              |
| <b>Lyon</b>                            | 4520             | 51.7                | 11.6           | 94.7         | 28.4             | 186          |                   |                   |                   |
| <i>KWS Amadora</i>                     | 4350             | 52.6                | 11.0           | 95.0         | 23.7             | 187          | 3064              | 3950              |                   |
| <i>BC Leandra</i>                      | 4260             | 49.6                | 11.7           | 97.3         | 25.7             | 189          | 2984              |                   |                   |
| <i>LCS Opera</i>                       | 4260             | 49.7                | 11.3           | 95.0         | 28.7             | 190          | 3162              | 3869              | 4248              |
| <i>BC Ellinor</i>                      | 4190             | 49.9                | 12.0           | 92.7         | 28.5             | 188          | 3141              |                   |                   |
| <i>Palmer</i>                          | 4180             | 51.5                | 12.7           | 95.3         | 33.5             | 187          | 2910              | 3219              | 3583              |
| <i>LCS Odyssey</i>                     | 4060             | 52.0                | 11.9           | 94.7         | 27.3             | 188          | 2990              | 3744              | 3928              |
| <i>ACC Synergy</i>                     | 3950             | 50.4                | 11.3           | 95.3         | 30.3             | 187          |                   |                   |                   |
| <i>CDC Copeland</i>                    | 3950             | 50.7                | 11.7           | 95.3         | 33.3             | 188          |                   |                   |                   |
| <b>Survivor</b>                        | 3890             | 51.9                | 12.4           | 93.3         | 28.4             | 188          | 2932              | 2987              | 3270              |
| <i>ACC Connect</i>                     | 3750             | 51.0                | 12.2           | 92.0         | 33.2             | 186          |                   |                   |                   |
| <b>Experimental Lines</b>              |                  |                     |                |              |                  |              |                   |                   |                   |
| <b>HO516-429</b>                       | 4780             | 51.9                | 11.5           | 93.7         | 32.1             | 188          |                   |                   |                   |
| <i>14WAI/F-3613.2</i>                  | 4530             | 51.9                | 11.9           | 94.0         | 29.2             | 186          |                   |                   |                   |
| <b>HO516-579</b>                       | 4480             | 52.5                | 11.3           | 87.3         | 26.2             | 188          | 3395              | 4329              |                   |
| <i>14WAI/M-3604.29</i>                 | 4140             | 50.2                | 11.8           | 93.7         | 29.0             | 188          |                   |                   |                   |
| <i>14WAI/M-3620.68</i>                 | 3420             | 51.0                | 12.7           | 94.0         | 31.9             | 190          |                   |                   |                   |
| <b>C.V.</b>                            | 6                | 1.9                 | 4.3            | 1.6          | 4.7              | 1            | 9                 | 8                 | 13                |
| <b>LSD</b>                             | 500              | 2.1                 | 1.1            | 3.3          | 2.7              | 3            | NS                | 288               | 362               |
| <b>Average</b>                         | 4280             | 51.1                | 11.6           | 94.0         | 29.4             | 188          | 3110              | 3833              | 3906              |
| <b>Highest</b>                         | 4780             | 52.9                | 12.7           | 97.3         | 36.0             | 190          | 3395              | 4329              | 4258              |
| <b>Lowest</b>                          | 3420             | 49.6                | 10.8           | 87.3         | 23.7             | 186          | 2910              | 2987              |                   |

### Agronomic Information

|                                                   |              |
|---------------------------------------------------|--------------|
| Planting Date:                                    | 4/25/2022    |
| Harvest Date:                                     | 9/8/2022     |
| Seeding Rate (seeds/ft <sup>2</sup> ):            | 20           |
| Previous Crop:                                    | Spring Wheat |
| Spring soil test:                                 |              |
| N (lb/ac) 4-ft sample                             | 209          |
| P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample | 108          |
| S (lb/ac) 2-ft sample                             | 30           |
| pH (top 6 inches)                                 | 4.9          |

### Trial Notes:

1. The nursery was located approximately 5.5 miles east of Fairfield, WA.
2. The nursery was fertilized at seeding at a rate of 24N, 6P, 15K, 15S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 130% greater test weight was 1.4 lb/bu more than in 2021.

**Cooperator: David Degon**

**Herbicides:** Axial (16.4oz), Huskie (15oz), Miravis Ace (7oz), Tilt (2oz), and Zidua (4oz) were applied on June 7.  
 Nexicor (13oz) was applied on June 30.