

2023 WSU Variety Testing Spring Barley Trial, Reardan

| Variety Name <i>Malt Italicized</i> | 2023 | | | | | | 2 Year* | 3 Year* | 4 Year* |
|--|------------------|---------------------|----------------|--------------|------------------|--------------|--------------------|--------------------|--------------------|
| | Yield (Lbs/A) | Test WT (Lbs/Bu) | Protein (%) | Plump (%) | Plant HT (In) | Head Date | Average (Lbs/A) | Average (Lbs/A) | Average (Lbs/A) |
| Released Varieties | | | | | | | | | |
| <i>LCS Diablo</i> | 3030 | 49.7 | 10.7 | 98 | 22 | 173 | | | |
| <i>KWS Fantex</i> | 2830 | 51.1 | 11.2 | 98 | 21 | 171 | 1910 | 3060 | |
| Altorado | 2710 | 52.2 | 11.4 | 93 | 21 | 172 | 1760 | 2950 | 2920 |
| Oreana | 2690 | 52.2 | 11.6 | 98 | 22 | 173 | 1870 | 2950 | 2830 |
| <i>BC Lexy</i> | 2680 | 51.1 | 11.5 | 98 | 22 | 174 | | | |
| Claymore | 2660 | 52.2 | 11.1 | 96 | 23 | 173 | 1790 | 2860 | 2780 |
| Survivor | 2600 | 52.5 | 11.7 | 98 | 22 | 173 | 1880 | 2740 | 2700 |
| <i>BC Leandra</i> | 2580 | 50.6 | 10.5 | 99 | 20 | 173 | 1660 | | |
| <i>KWS Willis</i> | 2490 | 49.9 | 10.9 | 99 | 21 | 173 | | | |
| <i>KWS Thalix</i> | 2450 | 52.1 | 11.2 | 98 | 20 | 171 | 1760 | | |
| <i>KWS Jessie</i> | 2400 | 51.2 | 11.4 | 98 | 20 | 172 | 1750 | 3000 | |
| Lenetah | 2400 | 52.0 | 10.8 | 96 | 23 | 174 | 1800 | 3130 | 2960 |
| Carleton (HO517-245) | 2260 | 52.2 | 9.6 | 96 | 19 | 172 | | | |
| <i>ACC Connect</i> | 2130 | 51.2 | 11.8 | 97 | 21 | 171 | | | |
| OSU Successor | 1630 | 53.7 | 11.5 | 98 | 19 | 166 | | | |
| Experimental Lines | | | | | | | | | |
| HO516-429 | 2790 | 52.7 | 10.2 | 97 | 23 | 173 | | | |
| <i>S15009-41615</i> | 2790 | 51.8 | 11.7 | 99 | 20 | 172 | | | |
| <i>LGBU17-8509-B</i> | 2760 | 50.1 | 11.3 | 98 | 22 | 173 | | | |
| <i>S14230-41513</i> | 2720 | 51.6 | 11.3 | 99 | 21 | 173 | | | |
| YU518-415 | 2710 | 52.2 | 11.6 | 92 | 21 | 171 | | | |
| <i>20WAM-721.1</i> | 2410 | 51.8 | 10.5 | 98 | 22 | 173 | | | |
| <i>20WAM-783.1</i> | 2400 | 52.5 | 11.3 | 99 | 21 | 171 | | | |
| <i>20WAM-487.1</i> | 2280 | 52.0 | 12.0 | 98 | 22 | 171 | | | |
| <i>20WAM-248.1</i> | 2070 | 52.3 | 11.5 | 97 | 20 | 171 | | | |
| C.V. | 8 | 0.7 | 4.6 | 2 | 5 | 0 | 10 | 11 | 12 |
| LSD | 270 | 0.5 | 0.7 | 3 | 1 | 1 | NS | 250 | NS |
| Average | 2520 | 51.7 | 11.2 | 97 | 21 | 172 | 1800 | 2960 | 2840 |
| Highest | 3030 | 53.7 | 12.0 | 99 | 23 | 174 | 1910 | 3130 | 2960 |
| Lowest | 1630 | 49.7 | 9.6 | 92 | 19 | 166 | 1660 | 2740 | 2700 |

*2023, 2021, 2020, and 2019 used in multi-year analyses.

Agronomic Information

| | |
|---|--------------|
| Planting Date: | 4/14/2023 |
| Harvest Date: | 8/24/2023 |
| Seeding Rate (seeds/ac): | 1,045,000 |
| Previous Crop: | Winter Wheat |
| Spring soil test: | |
| N (lb/ac) 4-ft sample | 77 |
| P ₂ O ₅ (lb/ac) 1-ft sample | 158 |
| S (lb/ac) 2-ft sample | 35 |
| pH (top 6 inches) | 5.0 |

Trial Notes:

1. The nursery was located approximately 7 miles west of Reardan, WA.
2. The nursery was fertilized at seeding at a rate of 11N, 26P, 13K, 7S, and 10Cl. No additional fertilizer was applied after spring soil sampling.
3. Yield was 171% greater and test weight was 6.2 lb/bu more compared to 2021. 2022 data not published.

Cooperator: Hal Johnson/Ryan Wiater/Todd Carstens

Herbicides: Axial (15oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 23, 2023.