

2023 WSU Variety Testing Spring Barley Trial, Lamont

| 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 | | | | | | | | | |
| Survivor | 3310 | 54.2 | 14.2 | 89 | 22 | 158 | 3710 | 3210 | |
| Carleton (HO517-245) | 3170 | 53.4 | 12.9 | 83 | 22 | 158 | | | |
| <i>KWS Willis</i> | 3110 | 53.6 | 14.0 | 98 | 24 | 160 | | | |
| OSU Successor | 3010 | 53.6 | 13.6 | 90 | 22 | 154 | | | |
| <i>KWS Fantex</i> | 2990 | 54.1 | 14.6 | 92 | 21 | 162 | 3550 | | |
| <i>BC Leandra</i> | 2890 | 52.7 | 14.2 | 89 | 20 | 160 | | | |
| Oreana | 2880 | 54.4 | 14.0 | 93 | 22 | 160 | 3370 | 2910 | |
| Lenetah | 2870 | 54.3 | 13.9 | 92 | 21 | 161 | 3630 | 3130 | |
| <i>KWS Jessie</i> | 2780 | 54.1 | 13.9 | 94 | 24 | 158 | 3650 | | |
| <i>KWS Thalís</i> | 2680 | 54.7 | 14.1 | 94 | 23 | 158 | | | |
| <i>LCS Diablo</i> | 2680 | 53.5 | 14.4 | 94 | 22 | 161 | 3580 | | |
| Claymore | 2680 | 52.2 | 14.7 | 87 | 22 | 160 | 3200 | 2770 | |
| Altorado | 2610 | 54.0 | 14.1 | 85 | 23 | 158 | 3650 | 3110 | |
| <i>ACC Connect</i> | 2550 | 52.7 | 15.0 | 86 | 22 | 162 | | | |
| <i>BC Lexy</i> | 2540 | 53.1 | 14.1 | 94 | 25 | 160 | | | |
| Experimental Lines | | | | | | | | | |
| YU518-415 | 2960 | 54.6 | 13.5 | 84 | 24 | 158 | | | |
| <i>20WAM-487.1</i> | 2910 | 53.2 | 14.8 | 92 | 23 | 158 | | | |
| <i>S14230-41513</i> | 2850 | 53.4 | 13.6 | 95 | 23 | 159 | | | |
| <i>S15009-41615</i> | 2800 | 53.5 | 14.1 | 94 | 22 | 160 | | | |
| <i>20WAM-721.1</i> | 2780 | 51.8 | 14.3 | 93 | 23 | 159 | | | |
| <i>20WAM-248.1</i> | 2780 | 53.5 | 14.7 | 89 | 24 | 159 | | | |
| <i>20WAM-783.1</i> | 2770 | 53.8 | 13.8 | 96 | 24 | 159 | | | |
| <i>LGBU17-8509-B</i> | 2700 | 52.5 | 14.8 | 95 | 23 | 161 | | | |
| HO516-429 | 2570 | 53.2 | 14.0 | 91 | 23 | 160 | | | |
| C.V. | 6 | 0.7 | 2.4 | 2 | 5 | 0 | 13 | 9 | |
| LSD | 250 | 0.5 | 0.5 | 3 | 2 | 1 | NS | 220 | |
| Average | 2830 | 53.5 | 14.1 | 91 | 23 | 159 | 3540 | 3020 | |
| Highest | 3310 | 54.7 | 15.0 | 98 | 25 | 162 | 3710 | 3210 | |
| Lowest | 2540 | 51.8 | 12.9 | 83 | 20 | 154 | 3200 | 2770 | |

*2023, 2020, and 2019 used in multi-year analyses. Not sufficient data for 4 year average.

Agronomic Information

| | |
|---|--------------|
| Planting Date: | 4/13/2023 |
| Harvest Date: | 8/2/2023 |
| Seeding Rate (seeds/ac): | 1,045,000 |
| Previous Crop: | Spring Wheat |
| Spring soil test: | |
| N (lb/ac) 4-ft sample | 174 |
| P ₂ O ₅ (lb/ac) 1-ft sample | 167 |
| S (lb/ac) 2-ft sample | 26 |
| pH (top 6 inches) | 5.6 |

Trial Notes:

1. The nursery was located approximately 4 miles west of Ewan, WA.
2. The nursery was fertilized prior to seeding at a rate of 86N, 50P, 19K, 20S, and 15Cl. No additional fertilizer was applied after soil sampling.
3. Yield was 28% lower and test weight was 5.6 lb/bu more compared to 2020. 2022 and 2021 data not published.

Cooperator: Rod Mills

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