

2021 WSU Variety Testing Soft Winter Wheat Trial, Bickleton

| Variety Name <i>Club Italicized</i> | 2021 | | | | | 2 Year | 3 Year [†] | 5 Year [§] |
|--|-----------------|---------------------|----------------|------------------|--------------|-------------------|---------------------|---------------------|
| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Average (Bu/A) | Average (Bu/A) | Average (Bu/A) |
| Released Varieties | | | | | | | | |
| WB1529 | 20 | 53.6 | 12.9 | 19 | -- | 25 | 30 | |
| Piranha CL+ (WA8305 CL+) | 19 | 53.4 | 13.2 | 22 | -- | 26 | | |
| YSC-93 | 19 | 51.8 | 12.8 | 20 | -- | | | |
| Purl | 19 | 52.6 | 12.8 | 22 | -- | 23 | | |
| M-idas | 19 | 50.9 | 12.2 | 20 | -- | 21 | | |
| Norwest Tandem | 18 | 51.3 | 12.7 | 18 | -- | 25 | 30 | |
| Puma | 18 | 51.3 | 14.9 | 22 | -- | 22 | 27 | |
| LCS Shine | 18 | 50.3 | 11.4 | 16 | -- | 23 | | |
| LCS Sonic | 18 | 51.2 | 12.9 | 22 | -- | 24 | 28 | |
| Puma + Zn | 18 | 51.6 | 14.1 | 22 | -- | | | |
| AP Dynamic | 18 | 48.5 | 13.1 | 23 | -- | 23 | | |
| <i>Pritchett</i> | 18 | 54.0 | 13.8 | 20 | -- | 23 | 28 | |
| VI Presto CL+ (UIL 17-6451 CL+) | 18 | 53.9 | 13.8 | 21 | -- | 23 | | |
| M-press | 18 | 50.0 | 13.6 | 22 | -- | 23 | 28 | |
| SY Command | 18 | 50.2 | 13.2 | 21 | -- | 25 | 28 | |
| VI Voodoo CL+ (UIL 17-6268 CL+) | 18 | 52.7 | 13.6 | 19 | -- | | | |
| WB1783 | 18 | 56.0 | 13.2 | 21 | -- | 24 | 29 | |
| LCS Hulk | 18 | 51.1 | 13.2 | 22 | -- | 24 | 28 | |
| UI Magic CL+ | 17 | 53.9 | 14.0 | 21 | -- | 22 | 27 | |
| VI Frost | 17 | 52.8 | 14.3 | 21 | -- | 24 | | |
| Stingray CL+ | 17 | 52.4 | 13.6 | 21 | -- | 22 | | |
| Devote | 17 | 53.4 | 13.4 | 20 | -- | 21 | | |
| Norwest Duet | 16 | 51.1 | 13.0 | 23 | -- | 24 | 28 | |
| Jasper | 16 | 48.2 | 14.0 | 21 | -- | 22 | 26 | |
| YSC-215 | 16 | 52.1 | 13.1 | 22 | -- | 22 | | |
| Mela CL+ | 16 | 53.1 | 13.4 | 22 | -- | 23 | 26 | |
| Resilience CL+ | 16 | 53.0 | 14.6 | 21 | -- | 22 | 25 | |
| Appleby CL+ | 15 | 50.0 | 14.6 | 22 | -- | 21 | | |
| <i>ARS-Castella</i> | 15 | 51.2 | 13.7 | 20 | -- | 20 | 25 | |
| <i>ARS-Crescent</i> | 15 | 50.2 | 13.9 | 20 | -- | 21 | 26 | |
| Otto | 14 | 52.3 | 13.2 | 23 | -- | 20 | 25 | |
| Curiosity CL+ | 12 | 52.4 | 13.7 | 24 | -- | 20 | 26 | |
| Experimental Lines | | | | | | | | |
| LWW18-5080 | 22 | 53.3 | 12.7 | 20 | -- | | | |
| LWW17-5877 | 19 | 52.5 | 13.2 | 19 | -- | | | |
| GS2 | 19 | 53.8 | 12.6 | 22 | -- | | | |
| OR2130755 | 19 | 50.8 | 13.4 | 22 | -- | 23 | | |
| UIL 17-7706 CL+ | 19 | 50.4 | 13.9 | 19 | -- | | | |
| 09PN118-02 CL2 | 18 | 51.5 | 13.6 | 21 | -- | | | |
| LWW18-0587 | 18 | 49.8 | 14.0 | 22 | -- | | | |
| WA8333 | 18 | 52.5 | 13.3 | 22 | -- | | | |
| WA8332 | 18 | 48.8 | 13.4 | 21 | -- | | | |
| UIL 13-553051A | 18 | 50.4 | 13.4 | 19 | -- | | | |
| ORI2190025 CL+ | 17 | 49.2 | 13.8 | 21 | -- | | | |
| LWW17-5815 | 17 | 52.6 | 13.3 | 20 | -- | 22 | | |
| LWW17-8185 | 16 | 51.1 | 13.2 | 22 | -- | | | |
| IDO2008 | 16 | 53.3 | 13.6 | 21 | -- | | | |
| WA8334 | 16 | 51.1 | 12.9 | 23 | -- | | | |
| WA8290 | 16 | 52.4 | 13.8 | 20 | -- | 23 | | |

| | | | | | | | |
|------------------------|----|------|------|----|----|----|----|
| WA8331 | 15 | 50.5 | 13.4 | 23 | -- | | |
| <i>ARSX12097-8D</i> | 14 | 49.6 | 14.6 | 20 | -- | | |
| <i>WA8317</i> | 13 | 54.4 | 15.2 | 21 | -- | 19 | |
| <i>ARSX12015-68CBW</i> | 13 | 49.5 | 14.8 | 20 | -- | 18 | |
| <i>OR5170022</i> | 8 | 52.9 | 16.0 | 15 | -- | 14 | |
| C.V. | 6 | 1.3 | 4.8 | 7 | -- | 7 | 8 |
| LSD | 2 | 1.1 | 1.1 | 2 | -- | 2 | 2 |
| Average | 17 | 51.7 | 13.5 | 21 | -- | 22 | 27 |
| Highest | 22 | 56.0 | 16.0 | 24 | -- | 26 | 30 |
| Lowest | 8 | 48.2 | 11.4 | 15 | -- | 14 | 25 |

Agronomic Information

| | |
|---|-----------|
| Planting Date: | 11/2/2020 |
| Harvest Date: | 8/16/2021 |
| Seeding Rate (seeds/ft ²): | 12.5 |
| Previous Crop: | Triticale |
| Spring soil test: | |
| N (lb/ac) 3-ft sample | 120 |
| P ₂ O ₅ (lb/ac) 1-ft sample | 200 |
| S (lb/ac) 2-ft sample | 34 |
| pH (top 6 inches) | 5.2 |

Herbicide: Herbicides were applied by the cooperator.

Trial Notes:

1. The Bickleton nursery was located 2.5 miles NE of Bickleton, WA.
2. The nursery was fertilized prior to seeding at a rate of 50N, 10S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 40% lower than 2020. Test weight was not reported in 2020 due to high variability.

Cooperator: Andy & Ron Juris

[‡] 3 Year data from 2021, 2020, and 2018

[§] Only three years of data available.