

## 2022 WSU Variety Testing Soft White Winter Wheat Trial, Anatone

| Variety Name<br><i>Club Italicized</i> | 2022            |                     |                |                  |              | 2 Year            | 3 Year            | 5 Year            |
|----------------------------------------|-----------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|-------------------|
|                                        | Yield<br>(Bu/A) | Test WT<br>(Lbs/Bu) | Protein<br>(%) | Plant HT<br>(In) | Head<br>Date | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <b>Released Varieties</b>              |                 |                     |                |                  |              |                   |                   |                   |
| LCS Shine                              | 85              | 58.7                | 6.7            | 33               | 165          |                   |                   |                   |
| TMC M-Press                            | 80              | 59.3                | 6.7            | 34               | 164          | 57                | 62                | 67                |
| ARS-Crescent                           | 80              | 60.4                | 6.5            | 41               | 170          | 59                | 65                | 73                |
| YSC-215                                | 80              | 60.9                | 6.9            | 35               | 166          | 50                | 58                |                   |
| Norwest Tandem                         | 80              | 60.7                | 7.0            | 32               | 163          | 57                | 60                | 66                |
| Sockeye CL+                            | 78              | 59.9                | 6.8            | 39               | 166          |                   |                   |                   |
| LCS Jefe (LWW17-8185)                  | 78              | 60.6                | 6.5            | 35               | 167          | 57                |                   |                   |
| LCS Hulk                               | 78              | 60.7                | 7.2            | 33               | 166          | 55                | 64                | 72                |
| Pritchett                              | 78              | 59.4                | 6.4            | 36               | 166          | 55                | 61                | 68                |
| Piranha CL+                            | 78              | 60.3                | 6.7            | 37               | 164          | 61                | 66                |                   |
| Mela CL+                               | 76              | 61.4                | 6.8            | 41               | 171          | 55                | 56                | 62                |
| AP Exceed                              | 75              | 60.7                | 6.6            | 34               | 162          |                   |                   |                   |
| Otto                                   | 75              | 60.4                | 7.0            | 40               | 171          | 49                | 53                | 59                |
| Castella                               | 74              | 61.1                | 7.1            | 42               | 164          |                   |                   |                   |
| Devote                                 | 73              | 62.1                | 7.2            | 35               | 169          | 53                | 57                | 62                |
| Curiosity CL+                          | 72              | 61.0                | 6.8            | 38               | 171          | 51                | 54                | 61                |
| Norwest Duet                           | 72              | 60.8                | 6.7            | 42               | 168          | 52                | 58                | 68                |
| TMC M-Pire (TMC2021SWW)                | 71              | 60.7                | 7.4            | 33               | 161          |                   |                   |                   |
| LCS Blackjack                          | 70              | 57.2                | 7.1            | 34               | 166          |                   |                   |                   |
| UI Magic CL+                           | 70              | 60.8                | 7.4            | 33               | 162          | 52                | 57                | 64                |
| WB1529                                 | 70              | 62.2                | 7.7            | 35               | 163          | 47                | 52                | 62                |
| LCS Sonic                              | 68              | 58.9                | 7.0            | 36               | 164          | 55                | 62                | 70                |
| Stingray CL+                           | 68              | 60.3                | 6.7            | 33               | 164          | 55                | 59                |                   |
| VI Frost                               | 68              | 60.3                | 7.4            | 36               | 166          | 50                | 57                | 65                |
| VI Presto CL+                          | 67              | 61.1                | 7.3            | 37               | 166          | 52                | 59                |                   |
| AP Iliad                               | 66              | 59.5                | 7.5            | 35               | 163          |                   |                   |                   |
| VI Voodoo CL+                          | 65              | 59.2                | 7.2            | 31               | 163          | 55                |                   |                   |
| Appleby CL+                            | 63              | 61.0                | 7.8            | 33               | 162          | 47                | 55                |                   |
| AP Dynamic                             | 63              | 60.4                | 7.3            | 37               | 168          | 52                | 60                |                   |
| <b>Experimental Lines</b>              |                 |                     |                |                  |              |                   |                   |                   |
| ARS12097-12C                           | 79              | 60.4                | 6.3            | 42               | 171          |                   |                   |                   |
| WA8348 AX                              | 78              | 60.4                | 6.5            | 40               | 165          |                   |                   |                   |
| LWW19-6219                             | 77              | 61.0                | 7.5            | 35               | 166          |                   |                   |                   |
| YSC-93                                 | 76              | 60.0                | 6.8            | 37               | 164          | 56                |                   |                   |
| WA8347 AX                              | 76              | 60.9                | 7.1            | 41               | 165          |                   |                   |                   |
| WA8363                                 | 76              | 60.9                | 6.9            | 38               | 166          |                   |                   |                   |
| LWW17-5877                             | 75              | 60.4                | 7.6            | 31               | 159          | 56                |                   |                   |
| WA8334                                 | 74              | 61.5                | 6.8            | 39               | 171          | 54                |                   |                   |
| GS3                                    | 74              | 59.7                | 6.6            | 38               | 166          |                   |                   |                   |
| WA8346 AX                              | 73              | 59.8                | 6.7            | 39               | 165          |                   |                   |                   |
| LWW19-6591                             | 73              | 60.0                | 7.1            | 35               | 165          |                   |                   |                   |
| LWW19-2232                             | 73              | 60.8                | 6.6            | 42               | 166          |                   |                   |                   |
| UIL 17-7706 CL+                        | 73              | 60.8                | 7.4            | 36               | 165          | 59                |                   |                   |
| OR2130755                              | 72              | 60.3                | 6.8            | 40               | 165          | 57                |                   |                   |
| WA8345 AX                              | 71              | 60.2                | 6.8            | 39               | 166          |                   |                   |                   |

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|                                        | Yield<br>(Bu/A) | Test WT<br>(Lbs/Bu) | Protein<br>(%) | Plant HT<br>(In) | Head<br>Date | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <b>OR2190027 CL+</b>                   | 71              | 59.6                | 7.4            | 35               | 162          |                   |                   |                   |
| <i>ARS141114-64C</i>                   | 71              | <b>61.7</b>         | 6.9            | 50               | 166          |                   |                   |                   |
| <b>WA8364</b>                          | 70              | 61.2                | 6.4            | 35               | 167          |                   |                   |                   |
| <b>UIL 15-028024</b>                   | 69              | <b>61.4</b>         | 7.4            | 37               | 169          |                   |                   |                   |
| <b>WA8365</b>                          | 69              | 60.9                | 6.6            | 32               | 168          |                   |                   |                   |
| <b>OR5180071</b>                       | 68              | 60.8                | 7.1            | 32               | 168          |                   |                   |                   |
| <i>ARS13659-4C</i>                     | 67              | 59.9                | 7.3            | 48               | 171          |                   |                   |                   |
| <b>UIL 14-085001A</b>                  | 67              | 60.1                | 7.1            | 39               | 167          |                   |                   |                   |
| <b>09PN118-02 CL2</b>                  | 64              | 59.9                | 7.4            | 34               | 167          | 52                |                   |                   |
| <b>OR2190025 CL+</b>                   | 62              | 58.1                | 7.5            | 33               | 161          | 44                |                   |                   |
| <b>C.V.</b>                            | 8               | 0.6                 | 4.0            | 4                | 1            | 13                | 12                | 10                |
| <b>LSD</b>                             | 11              | 0.8                 | 0.5            | 3                | 3            | 8                 | 6                 | 5                 |
| <b>Average</b>                         | 73              | 60.4                | 7.0            | 37               | 166          | 54                | 59                | 65                |
| <b>Highest</b>                         | 85              | 62.2                | 7.8            | 50               | 171          | 61                | 66                | 73                |
| <b>Lowest</b>                          | 62              | 57.2                | 6.3            | 31               | 159          | 44                | 52                | 59                |

### Agronomic Information

|                                                   |           |
|---------------------------------------------------|-----------|
| Planting Date:                                    | 9/16/2021 |
| Harvest Date:                                     | 8/8/2022  |
| Seeding Rate (seeds/ft <sup>2</sup> ):            | 21.5      |
| Previous Crop:                                    | Fallow    |
| Spring soil test:                                 |           |
| N (lb/ac) 2-ft sample                             | 158       |
| P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample | 117       |
| S (lb/ac) 2-ft sample                             | 16        |
| pH (top 6 inches)                                 | 6.3       |

**Herbicides:** Zidua (4oz) was applied on September 17.

Metribuzin (3oz) was applied on November 2.

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), Tilt (2oz), and Thiosulfate (0.5 gal/ac) were applied on March 24.

Metribuzin (3oz) was applied on April 20.

Nexicor (13oz) was applied on June 9.

### Trial Notes:

1. The nursery was located approximately 5.5 miles northeast of Anatone, WA.
2. The nursery was fertilized at planting at a rate of 15N, 36P, 9K, 9S, 7Cu. An additional 37N was applied on November 5.
3. Overall yield was 97% greater than 2021 and test weight was 4.1 lb/bu more.
4. Heavy cheatgrass pressure may have reduced yield and/or grain protein.

**Cooperator:** Brit Ausman