

2022 WSU Variety Testing Soft White Winter Wheat Trial, Farmington

| 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 | Lodging<br>(%) | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <b>Released Varieties</b>              |                 |                     |                |                  |              |                |                   |                   |                   |
| LCS Blackjack                          | 149             | 60.6                | 11.1           | 39               | 173          | 0              | 118               | 120               | 116               |
| Sockeye CL+                            | 143             | 59.4                | 10.1           | 46               | 174          | 17             | 115               | 123               |                   |
| YSC-215                                | 142             | 61.2                | 10.3           | 42               | 174          | 0              | 108               | 113               |                   |
| Stingray CL+                           | 141             | 60.6                | 10.9           | 42               | 174          | 0              | 114               | 116               | 111               |
| WB1621                                 | 140             | 63.8                | 10.8           | 43               | 173          | 0              |                   |                   |                   |
| AP Exceed                              | 139             | 61.6                | 10.8           | 40               | 170          | 0              | 108               |                   |                   |
| LCS Hulk                               | 138             | 62.2                | 10.7           | 42               | 173          | 0              | 105               | 113               | 111               |
| Piranha CL+                            | 138             | 60.3                | 10.5           | 46               | 173          | 17             | 115               | 123               |                   |
| Norwest Duet                           | 137             | 61.5                | 10.8           | 49               | 175          | 0              | 111               | 115               | 114               |
| AP Dynamic                             | 136             | 60.8                | 10.6           | 44               | 174          | 0              | 111               | 111               |                   |
| LCS Jefe (LWW17-8185)                  | 136             | 60.5                | 10.0           | 41               | 173          | 0              | 110               |                   |                   |
| ARS-Selbu 2.0                          | 136             | 61.9                | 11.1           | 43               | 174          | 0              | 102               |                   |                   |
| SY Dayton                              | 135             | 60.8                | 10.9           | 41               | 172          | 0              | 109               | 112               | 111               |
| SY Assure                              | 135             | 60.9                | 11.3           | 40               | 166          | 0              |                   |                   |                   |
| LCS Shine                              | 135             | 62.2                | 11.8           | 35               | 172          | 0              | 110               | 116               |                   |
| Norwest Tandem                         | 135             | 60.8                | 10.7           | 35               | 170          | 0              | 110               | 116               | 110               |
| Resilience CL+                         | 135             | 61.1                | 10.9           | 40               | 174          | 0              | 108               | 109               | 105               |
| VI Voodoo CL+                          | 134             | 59.5                | 10.8           | 37               | 174          | 0              | 114               | 121               |                   |
| Cameo (ARSX09492-6C)                   | 133             | 60.1                | 11.5           | 42               | 174          | 0              | 108               | 116               |                   |
| Purl                                   | 131             | 61.1                | 10.8           | 44               | 171          | 0              | 104               | 111               | 108               |
| UI Magic CL+                           | 131             | 60.9                | 11.2           | 38               | 172          | 0              | 110               | 112               | 107               |
| AP Iliad                               | 130             | 59.8                | 11.5           | 41               | 169          | 0              | 107               | 110               |                   |
| ARS-Crescent                           | 129             | 60.7                | 10.1           | 45               | 177          | 17             | 99                | 108               | 106               |
| WB1720                                 | 128             | 63.4                | 11.6           | 43               | 175          | 0              |                   |                   |                   |
| TMC M-Press                            | 127             | 61.2                | 10.8           | 41               | 173          | 0              | 101               | 111               | 107               |
| Appleby CL+                            | 127             | 61.9                | 11.1           | 43               | 172          | 0              |                   |                   |                   |
| TMC M-Pire (TMC2021SWW)                | 124             | 62.3                | 11.2           | 36               | 170          | 0              |                   |                   |                   |
| Pritchett                              | 123             | 58.3                | 10.5           | 43               | 175          | 27             | 97                | 109               |                   |
| VI Presto CL+                          | 116             | 62.4                | 11.7           | 44               | 174          | 0              | 98                |                   |                   |
| WB1529                                 | 116             | 62.9                | 12.4           | 40               | 170          | 0              |                   |                   |                   |
| Castella                               | 111             | 62.5                | 11.0           | 44               | 174          | 57             | 93                | 103               | 105               |
| <b>Experimental Lines</b>              |                 |                     |                |                  |              |                |                   |                   |                   |
| WA8307                                 | 145             | 61.1                | 11.1           | 44               | 175          | 0              | 113               | 114               |                   |
| LWW19-6219                             | 145             | 61.8                | 11.2           | 42               | 174          | 0              |                   |                   |                   |
| LWW17-5877                             | 145             | 61.1                | 10.8           | 40               | 169          | 0              | 122               |                   |                   |
| LWW19-6591                             | 142             | 61.5                | 10.4           | 39               | 173          | 0              |                   |                   |                   |
| UIL14-085001A                          | 140             | 60.0                | 10.8           | 45               | 174          | 0              |                   |                   |                   |
| WA8336                                 | 140             | 59.1                | 9.8            | 41               | 173          | 27             | 111               |                   |                   |
| GS3                                    | 139             | 59.7                | 10.8           | 43               | 175          | 0              |                   |                   |                   |
| 09PN118-02 CL2                         | 138             | 61.9                | 11.1           | 42               | 174          | 0              | 109               |                   |                   |
| OR2130755                              | 137             | 60.7                | 10.6           | 45               | 172          | 0              |                   |                   |                   |
| UIL15-028024                           | 136             | 62.9                | 10.4           | 41               | 175          | 0              | 113               |                   |                   |
| ARSX09500-17CBW                        | 135             | 61.8                | 10.7           | 42               | 173          | 0              | 112               |                   |                   |
| WA8349 AX                              | 135             | 61.9                | 11.1           | 43               | 170          | 20             |                   |                   |                   |
| WA8345 AX                              | 135             | 61.4                | 10.6           | 45               | 173          | 3              |                   |                   |                   |
| YSC-93                                 | 134             | 60.4                | 10.2           | 41               | 172          | 30             | 110               |                   |                   |
| UIL17-7706 CL+                         | 134             | 61.6                | 10.7           | 40               | 173          | 0              | 115               |                   |                   |
| WA8346 AX                              | 133             | 60.3                | 10.7           | 44               | 174          | 20             |                   |                   |                   |
| WA8370                                 | 129             | 61.5                | 10.8           | 42               | 173          | 10             |                   |                   |                   |
| ARS14DH1014-C                          | 128             | 60.5                | 10.0           | 43               | 176          | 33             |                   |                   |                   |
| WA8366                                 | 128             | 60.4                | 10.6           | 42               | 175          | 0              |                   |                   |                   |
| OR5180071                              | 126             | 60.9                | 10.8           | 39               | 176          | 0              |                   |                   |                   |
| WA8347 AX                              | 126             | 62.6                | 11.4           | 45               | 173          | 27             |                   |                   |                   |

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|----------------------------------------|-----------------|---------------------|----------------|------------------|--------------|----------------|-------------------|-------------------|-------------------|
|                                        | Yield<br>(Bu/A) | Test WT<br>(Lbs/Bu) | Protein<br>(%) | Plant HT<br>(In) | Head<br>Date | Lodging<br>(%) | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <b>OR2190025CL+</b>                    | 119             | 60.6                | 11.5           | 40               | 170          | 0              | 104               |                   |                   |
| <b>OR2190027 CL+</b>                   | 116             | 61.0                | 11.8           | 40               | 172          | 0              |                   |                   |                   |
| <b>C.V.</b>                            | 5               | 0.9                 | 2.7            | 4                | 1            | 162            | 7                 | 7                 | 8                 |
| <b>LSD</b>                             | 15              | 1.1                 | 0.6            | 3                | 2            | 16             | 8                 | 8                 | 6                 |
| <b>Average</b>                         | 133             | 61.1                | 10.9           | 42               | 173          | 6              | 109               | 114               | 109               |
| <b>Highest</b>                         | 149             | 63.8                | 12.4           | 49               | 177          | 57             | 122               | 123               | 116               |
| <b>Lowest</b>                          | 111             | 58.3                | 9.8            | 35               | 166          | 0              | 93                | 103               | 105               |

**Agronomic Information**

|                                                   |           |
|---------------------------------------------------|-----------|
| Planting Date:                                    | 10/4/2021 |
| Harvest Date:                                     | 8/20/2022 |
| Seeding Rate (seeds/ft <sup>2</sup> ):            | 23.75     |
| Previous Crop:                                    | Peas      |
| Spring soil test:                                 |           |
| N (lb/ac) 4-ft sample                             | 212       |
| P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample | 204       |
| S (lb/ac) 2-ft sample                             | 23        |
| pH (top 6 inches)                                 | 5.2       |

**Herbicides:** Anthem Flex was applied by the cooperator in the fall.

Nexicor (13oz) was applied on June 22.

**Trial Notes:**

1. The nursery was located approximately 4 miles northeast of Garfield, WA.
2. The nursery was fertilized prior to seeding by the cooperator. An additional 81N was applied on November 8.
3. Overall yield was 58% greater and test weight was 4.0 lb/bu more than 2021.

**Cooperator: Andrew Nelson**