



2018 Irrigated Winter Wheat Variety  
Performance Trial at Fort Collins

| Variety                   | Brand/Source                   | Market Class | Yield        | Test Weight | Plant Height | Heading                          |
|---------------------------|--------------------------------|--------------|--------------|-------------|--------------|----------------------------------|
|                           |                                |              | bu/ac        | lb/bu       | in           | days from trial avg <sup>a</sup> |
| Long Branch               | Dyna-Gro Seed                  | HRW          | <b>108.1</b> | 58.4        | 35           | -2                               |
| WB4303                    | WestBred Monsanto              | HRW          | 107.2        | 55.1        | 32           | 0                                |
| WB4418                    | WestBred Monsanto              | HRW          | 106.6        | 58.2        | 33           | -1                               |
| Denali                    | PlainsGold                     | HRW          | 104.4        | 61.0        | 34           | 2                                |
| SY Wolf                   | AgriPro Syngenta               | HRW          | 104.2        | 59.5        | 33           | 2                                |
| SY Sunrise                | AgriPro Syngenta               | HRW          | 100.1        | 60.5        | 31           | 1                                |
| LCS Chrome                | Limagrain Cereal Seeds         | HRW          | 99.4         | 59.5        | 35           | 0                                |
| Breck                     | PlainsGold                     | <b>HWW</b>   | 99.4         | 60.7        | 34           | 0                                |
| Sunshine                  | PlainsGold                     | <b>HWW</b>   | 99.0         | 60.5        | 34           | -2                               |
| Thunder CL                | PlainsGold                     | <b>HWW</b>   | 98.8         | 58.6        | 35           | -1                               |
| WB-Grainfield             | WestBred Monsanto              | HRW          | 96.4         | 59.2        | 34           | -3                               |
| Brawl CL Plus             | PlainsGold                     | HRW          | 96.2         | 60.5        | 34           | -2                               |
| Underwood                 | Dyna-Gro Seed                  | HRW          | 93.3         | 59.6        | 32           | 0                                |
| WB4458                    | WestBred Monsanto              | HRW          | 90.6         | 59.6        | 34           | -1                               |
| AM Eastwood               | AgriMaxx Wheat                 | HRW          | 90.4         | 59.2        | 31           | -1                               |
| <b>Experimentals</b>      |                                |              |              |             |              |                                  |
| CO14A136                  | Colorado State University exp. | HRW          | <b>110.9</b> | 60.2        | 34           | -1                               |
| CO15D098R                 | Colorado State University exp. | HRW          | <b>110.6</b> | 60.5        | 36           | 1                                |
| CO14A050                  | Colorado State University exp. | HRW          | <b>110.2</b> | 61.0        | 35           | -2                               |
| CO14A070                  | Colorado State University exp. | HRW          | <b>109.9</b> | 60.2        | 35           | -1                               |
| CO15D129R                 | Colorado State University exp. | HRW          | <b>109.7</b> | 61.3        | 33           | 0                                |
| CO15D027RC                | Colorado State University exp. | HRW          | <b>108.9</b> | 61.1        | 36           | 2                                |
| CO12D1770                 | Colorado State University exp. | HRW          | <b>108.8</b> | 61.8        | 32           | 1                                |
| CO13D1383                 | Colorado State University exp. | <b>HWW</b>   | <b>108.5</b> | 59.6        | 33           | 1                                |
| CO13D1299                 | Colorado State University exp. | <b>HWW</b>   | <b>108.3</b> | 60.3        | 33           | -1                               |
| CO12D296                  | Colorado State University exp. | HRW          | <b>107.9</b> | 61.5        | 31           | 1                                |
| CO15D127R                 | Colorado State University exp. | HRW          | 107.3        | 58.7        | 31           | 2                                |
| CO13007                   | Colorado State University exp. | HRW          | 107.1        | 60.5        | 36           | 0                                |
| CO15D094R                 | Colorado State University exp. | HRW          | 106.4        | 60.7        | 36           | 0                                |
| CO12D597                  | Colorado State University exp. | HRW          | 106.3        | 60.0        | 35           | 1                                |
| CO15A018                  | Colorado State University exp. | HRW          | 106.1        | 58.7        | 32           | -2                               |
| CO15D130W                 | Colorado State University exp. | <b>HWW</b>   | 103.8        | 59.0        | 31           | -2                               |
| CO13D1486                 | Colorado State University exp. | <b>HWW</b>   | 103.6        | 60.3        | 34           | 0                                |
| CO13D1638                 | Colorado State University exp. | <b>HWW</b>   | 102.0        | 58.7        | 34           | 2                                |
| CO13D0787                 | Colorado State University exp. | HRW          | 100.6        | 59.8        | 34           | 1                                |
| CO13D1164                 | Colorado State University exp. | <b>HWW</b>   | 100.4        | 59.3        | 35           | 0                                |
| CO15D092R                 | Colorado State University exp. | HRW          | 100.3        | 60.6        | 33           | -2                               |
| CO13D1714                 | Colorado State University exp. | <b>HWW</b>   | 98.0         | 60.0        | 35           | -1                               |
| CO15D063RC                | Colorado State University exp. | HRW          | 95.2         | 59.8        | 33           | -1                               |
| <b>Average</b>            |                                |              | <b>103.3</b> | <b>59.8</b> | <b>34</b>    | <b>0</b>                         |
| <sup>b</sup> LSD (P<0.30) |                                |              | 3.5          |             |              |                                  |

<sup>a</sup>Varieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average.

<sup>b</sup>If the difference between two variety yields equals or exceeds the LSD value, there is a 70% chance the difference is significant. Variety yields in bold are in the top LSD group.

**Site Information**

Cooperator: CSU Wheat Improvement Team and the Agricultural Research, Development and Education Center (ARDEC)  
 Harvest date: July 18, 2018  
 Planting date: September 22, 2017  
 Trial Comments: Planted into good moisture and 1.1" rain received day after planting. Trial had very good stands by early November and lush growth. Trial received moisture during winter and more precipitation in late April (0.45"). Trial was irrigated regularly starting in mid March as needed until July 1. No disease or insect pest issues noted in the trial.

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