



UNIVERSITY of NEBRASKA  
LINCOLN

## Red Willow County Rainfed 2020 Winter Wheat Variety Trial

| Name            | Company                    | Yield (bu/ac) <sup>1</sup> | Test Weight (lb/bu) | Protein (%) <sup>2</sup> |
|-----------------|----------------------------|----------------------------|---------------------|--------------------------|
| WB4595          | WestBred                   | 97.7                       | 59.3                | 11.4                     |
| NW13493         | UNL-Experimental           | 93.0                       | 56.6                | 11.6                     |
| CP7010          | CROPLAN by Winfield United | 92.4                       | 58.4                | 11.8                     |
| NW15443         | UNL-Experimental           | 86.7                       | 56.8                | 11.8                     |
| WB4462          | WestBred                   | 86.7                       | 59.9                | 12.1                     |
| SY Sunrise      | AgriPro-Syngenta           | 86.6                       | 58.1                | 11.9                     |
| SY Rugged       | AgriPro-Syngenta           | 86.4                       | 56.3                | 11.4                     |
| WB4418          | WestBred                   | 85.9                       | 57.5                | 12.0                     |
| Canvas          | PlainsGold                 | 84.7                       | 57.6                | 10.9                     |
| Settler CL      | NuPride Genetics           | 83.9                       | 58.8                | 11.6                     |
| LCS Valiant     | Limagrain Cereal Seeds     | 83.7                       | 56.8                | 12.5                     |
| WB4792          | WestBred                   | 83.4                       | 53.6                | 11.8                     |
| Wesley          | Husker Genetics            | 83.0                       | 56.4                | 12.9                     |
| CP7017CA        | CROPLAN by Winfield United | 81.6                       | 57.8                | 11.2                     |
| KS Western Star | Kansas Wheat Alliance      | 81.2                       | 55.0                | 12.1                     |
| LCS Chrome      | Limagrain Cereal Seeds     | 81.1                       | 59.3                | 12.5                     |
| NHH144913-3     | UNL-Experimental           | 79.7                       | 55.6                | 12.7                     |
| WB-Grainfield   | WestBred                   | 79.4                       | 57.4                | 11.7                     |
| AP 18AX         | AgriPro-Syngenta           | 78.1                       | 56.5                | 11.5                     |
| CP7869          | CROPLAN by Winfield United | 77.5                       | 60.8                | 11.9                     |
| SY Legend CL2   | AgriPro-Syngenta           | 76.4                       | 58.9                | 12.6                     |
| LCS Link        | Limagrain Cereal Seeds     | 76.0                       | 60.8                | 11.8                     |
| Long Branch     | Dyna-Gro Seed              | 74.2                       | 57.8                | 11.6                     |
| NE15410         | UNL-Experimental           | 73.3                       | 57.6                | 11.8                     |
| KS Dallas       | Kansas Wheat Alliance      | 73.3                       | 58.4                | 12.0                     |
| Tatanka         | Kansas Wheat Alliance      | 72.6                       | 57.7                | 11.1                     |
| NE14434         | UNL-Experimental           | 71.6                       | 54.4                | 12.0                     |
| SY Wolverine    | AgriPro-Syngenta           | 71.1                       | 59.7                | 12.1                     |
| NE14691         | UNL-Experimental           | 70.8                       | 54.5                | 12.7                     |
| Ruth            | Husker Genetics            | 70.5                       | 59.3                | 12.2                     |
| Robidoux        | Husker Genetics            | 69.4                       | 58.4                | 12.3                     |
| NE15624         | UNL-Experimental           | 68.8                       | 57.2                | 13.0                     |
| Freeman         | Husker Genetics            | 67.5                       | 55.7                | 12.6                     |
| SY Monument     | AgriPro-Syngenta           | 67.4                       | 57.9                | 11.9                     |

<sup>1</sup> Yield values corrected to 12% moisture.

<sup>2</sup> Protein corrected to 14% moisture, the correction factor used in analytical standards.

|                  |                            |      |      |      |
|------------------|----------------------------|------|------|------|
| <b>CP7050CA</b>  | CROPLAN by Winfield United | 67.2 | 58.7 | 12.4 |
| <b>Siege</b>     | NuPride Genetics           | 64.7 | 61.0 | 12.9 |
| <b>SY 517CL2</b> | AgriPro-Syngenta           | 64.1 | 54.7 | 12.5 |
| <b>Scout 66</b>  | Check                      | 63.0 | 54.9 | 12.8 |
| <b>CP7909</b>    | CROPLAN by Winfield United | 61.2 | 59.4 | 12.2 |
| <b>Turkey</b>    | Check                      | 60.1 | 57.6 | 13.3 |
| <b>NE16562</b>   | UNL-Experimental           | 57.4 | 58.0 | 12.9 |
|                  |                            |      |      |      |
|                  | <b>Standard Error</b>      | 7.7  | 1.5  | 0.4  |
|                  | <b>LSD<sup>3</sup></b>     | 12.8 | 2.6  | 0.6  |
|                  | <b>Mean<sup>4</sup></b>    | 76.4 | 57.6 | 12.1 |
|                  | <b>CV<sup>5</sup></b>      | 12.4 | 3.1  | 4.6  |
|                  | <b>Reps</b>                | 4    | 4    | 2    |

## SITE INFORMATION

Collaborator: Randy Peters; McCook, NE  
 Planting Date: September 23, 2019  
 Seeding Rate: 900,000 seeds/acre  
 Harvest Date: July 6, 2020  
 Fertility: 91 lb N, 6 lb K, 13 lb S, 10 lb Cl, 0.2 Zn in April; 5 lb N in May  
 Herbicide/Fungicides: 0.56 oz Amber fall applied, 8 oz Nexicor in May  
 Soil Type: Holdrege silt loam  
 GPS: 40.156667, -100.806389  
 Notes: Minimum tillage into fallowed corn. Some damage from spring freezes and limited rainfall. Due to combine equipment errors, some of the test weight data was unreliable and not used in the final analysis. For plots with unreliable test weight data, the site average test weight of 56 lb/bu was used in yield calculations. Consulting of other West Central Trials and Regional/Multi-Year averages strongly recommended.

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<sup>3</sup> For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

<sup>4</sup> Mean performance of all entries in the trial.

<sup>5</sup> Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial. For CV>15, there was higher than expected variability in the field or the data and the results should be used with caution.