



UNIVERSITY of NEBRASKA
LINCOLN

Clay County Rainfed 2020 Winter Wheat Variety Trial

| Name | Company | Yield (bu/ac) ¹ | Test Weight (lb/bu) | Protein (%) ² |
|-----------------|----------------------------|----------------------------|---------------------|--------------------------|
| LCS Link | Limagrain Cereal Seeds | 87.7 | 62.3 | 13.4 |
| CP7017CA | CROPLAN by Winfield United | 86.9 | 59.4 | 12.2 |
| Wesley | Husker Genetics | 86.7 | 61.4 | 13.7 |
| NHH144913-3 | UNL-Experimental | 85.5 | 55.1 | 13.4 |
| NW13493 | UNL-Experimental | 84.0 | 61.7 | 13.5 |
| WB-Grainfield | WestBred | 83.8 | 59.0 | 13.5 |
| WB4595 | WestBred | 83.7 | 62.3 | 12.4 |
| SY Monument | AgriPro-Syngenta | 82.4 | 59.5 | 12.5 |
| SY Wolverine | AgriPro-Syngenta | 82.0 | 61.4 | 13.2 |
| WB4792 | WestBred | 81.4 | 60.7 | 12.3 |
| LCS Chrome | Limagrain Cereal Seeds | 80.8 | 59.7 | 13.9 |
| NW15443 | UNL-Experimental | 80.6 | 60.4 | 13.0 |
| NE15624 | UNL-Experimental | 80.1 | 59.3 | 14.0 |
| KS Western Star | Kansas Wheat Alliance | 79.3 | 60.6 | 12.5 |
| WB4699 | WestBred | 78.4 | 60.5 | 12.3 |
| CP7909 | CROPLAN by Winfield United | 78.1 | 60.2 | 13.3 |
| Long Branch | Dyna-Gro Seed | 78.0 | 58.6 | 13.1 |
| Freeman | Husker Genetics | 77.8 | 57.9 | 13.2 |
| LCS Valiant | Limagrain Cereal Seeds | 77.7 | 60.9 | 14.3 |
| SY Benefit | AgriPro-Syngenta | 77.5 | 61.7 | 13.5 |
| NE16562 | UNL-Experimental | 77.2 | 58.3 | 13.3 |
| NE14434 | UNL-Experimental | 75.7 | 58.8 | 13.2 |
| WB4303 | WestBred | 75.6 | 56.2 | 14.0 |
| CP7010 | CROPLAN by Winfield United | 75.4 | 58.3 | 13.2 |
| WB4269 | WestBred | 75.1 | 61.2 | 13.5 |
| CP7869 | CROPLAN by Winfield United | 73.5 | 60.7 | 13.3 |
| AM Cartwright | AgriMaxx Wheat Company | 72.3 | 59.9 | 14.9 |
| Siege | NuPride Genetics | 71.5 | 60.7 | 14.0 |
| Ruth | Husker Genetics | 71.5 | 60.6 | 13.9 |
| CP7050CA | CROPLAN by Winfield United | 67.8 | 59.5 | 15.5 |
| Zenda | Kansas Wheat Alliance | 67.8 | 59.1 | 14.0 |
| Scout 66 | Check | 62.4 | 55.4 | 14.1 |
| Turkey | Check | 58.6 | 56.4 | 14.3 |
| | | | | |

¹ Yield values corrected to 12% moisture.

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

| | | | | |
|--|-------------------------|------|------|------|
| | Standard Error | 4.4 | 1.3 | 0.3 |
| | LSD³ | 7.3 | 2.2 | 0.5 |
| | Mean⁴ | 77.5 | 59.6 | 13.5 |
| | CV⁵ | 8.6 | 3.1 | 5.4 |
| | Reps | 4 | 4 | 2 |

SITE INFORMATION

Collaborator: South Central Agricultural Lab; Clay Center, NE
 Planting Date: September 26, 2019
 Seeding Rate: 1,000,000 seeds/acre
 Harvest Date: July 7, 2020
 Fertility: 150 lb/acre 11-52-0 preplant; 15 gal/acre 10-32-0 in spring
 Herbicide/Fungicides: 2,4-D
 Soil Type: Crete silt loams
 GPS: 40.573056, -98.129444
 Notes: Conventional tillage following fallowed corn

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

⁴ Mean performance of all entries in the trial.

⁵ 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.