



UNIVERSITY of NEBRASKA
LINCOLN

Kimball County Rainfed 2019 Winter Wheat Variety Trial

| Name | Source/ Brand | Means | | |
|----------------------------|-------------------------------|-------------------------------|-------------------------|----------------|
| | | Yield (bu/ac) ^a | Test Weight (lbs/bu) | Height (in) |
| SY AP 18AX | AgriPro | 66.4 | 57.2 | 35 |
| Cowboy | Wyoming | 64.2 | 57.5 | 38 |
| Whistler | PlainsGold | 61.9 | 55.3 | 37 |
| SY Monument | AgriPro | 60.6 | 56.3 | 33 |
| Spur | AgriPro | 60.1 | 54.3 | 31 |
| WB4595 (XB4520) | WestBred | 59.5 | 59.0 | 34 |
| WB4418 | WestBred | 59.1 | 57.4 | 29 |
| Crescent AX | PlainsGold | 58.2 | 58.5 | 34 |
| Langin | PlainsGold | 58.0 | 54.4 | 27 |
| Canvas | PlainsGold | 57.9 | 56.9 | 31 |
| LCS Link | Limagrain Cereal Seeds | 57.2 | 59.3 | 33 |
| SY Legend CL2 | AgriPro | 57.2 | 58.8 | 31 |
| Robidoux | Husker Genetics | 56.9 | 57.6 | 32 |
| SY Wolf | AgriPro | 56.8 | 57.6 | 31 |
| NHH144913-3 | UNL | 56.6 | 55.0 | 32 |
| LCS Revere | Limagrain Cereal Seeds | 56.5 | 58.3 | 33 |
| Settler CL | Husker Genetics | 56.5 | 57.7 | 32 |
| LCS Avenger | Limagrain Cereal Seeds | 56.1 | 57.9 | 27 |
| LCS Chrome | Limagrain Cereal Seeds | 55.8 | 57.5 | 32 |
| WB4792 | WestBred | 55.3 | 58.0 | 33 |
| Overland | Husker Genetics | 55.3 | 57.5 | 36 |
| WB4462 | WestBred | 55.0 | 58.3 | 35 |
| Freeman | Husker Genetics | 55.0 | 56.4 | 25 |
| Pronghorn | Check | 54.6 | 58.9 | 37 |
| NE15624 | UNL | 54.5 | 58.0 | 27 |
| CP7909 | CROPLAN | 54.5 | 57.5 | 28 |
| Panhandle | Husker Genetics | 54.1 | 57.9 | 38 |
| AM Eastwood | AgriMAXX | 53.3 | 58.0 | 30 |
| CP7869 | CROPLAN by Winfield United | 53.3 | 58.7 | 28 |
| Long Branch | Dyna-Gro | 53.0 | 57.9 | 34 |
| NE10478-1 | UNL | 52.9 | 57.7 | 47 |
| NW13493 | UNL | 51.9 | 58.8 | 33 |
| NE14696 | UNL | 51.7 | 57.6 | 37 |
| Breck | PlainsGold | 51.6 | 60.0 | 34 |
| SY Rugged | AgriPro | 51.5 | 57.3 | 30 |
| Infinity CL | Check | 51.5 | 58.2 | 36 |
| Winterhawk | WestBred | 51.5 | 57.4 | 35 |
| SY Wolverine (Exp 40-1) | AgriPro | 50.5 | 58.6 | 31 |
| NE14434 | UNL | 50.2 | 57.6 | 38 |
| Ruth | Husker Genetics | 49.8 | 58.6 | 35 |

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|-----------------|-------------------------------|-------------------------------|-------------------------|----------------|
| | | Yield (bu/ac) ^a | Test Weight (lbs/bu) | Height (in) |
| Mace | Check | 49.4 | 56.4 | 31 |
| CPCPX79-10 | CROPLAN by Winfield United | 49.1 | 56.9 | 30 |
| NE12561 (Seige) | UNL | 49.1 | 59.6 | 32 |
| Camelot | NuPride | 48.8 | 58.7 | 32 |
| Goodstreak | Check | 46.6 | 57.7 | 37 |
| Scout 66 | Check | 45.8 | 57.0 | 37 |
| WB-Grainfield | WestBred | 44.6 | 58.3 | 31 |
| Turkey | Check | 44.3 | 58.2 | 38 |
| NE14691 | UNL | 40.6 | 58.0 | 30 |
| | Standard Error | 1.8 | 0.5 | NA |
| | LSD ^b | 4.9 | 1.2 | NA |
| | Mean ^c | 54 | 57.7 | 33 |
| | CV ^d | 11 | 2.5 | NA |
| | Reps | 4 | 4 | 1 |

^aWheat yields were adjusted to 12% moisture.

^bFor differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 95%.

^cMean value of all plots in the trial

^dCoefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial

SITE INFORMATION

Collaborator: Mark Halstead, Dix
 Planting Date: 9/14/18
 Harvest Date: 7/31/19
 Fertilization: 20 lb/ac P, 35 lbs/ac N at planting
 Soil Type: Rosebud-Canyon loams
 GPS Coordinates: 41.062171, -103.458234
 Trial Notes: Conventional tillage after fallow in wheat-fallow rotation

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