

2023 Ellsworth, Kansas Dryland Winter Wheat Performance Test, Ellsworth County

| BRAND | NAME | YIELD (bu/a) | PAVG (%) | TW (lb/bu) | MOIST (%) |
|------------|-------------------------|-----------------|-------------|---------------|--------------|
| PLAINSGOLD | WHISTLER | 57.6 | 155.1 | 53.0 | 11.8 |
| KWA | KS PROVIDENCE | 50.4 | 135.8 | 53.8 | 12.0 |
| KANSAS | KS MAKO (KS16DH0010-17) | 48.5 | 130.5 | 55.7 | 10.7 |
| PLAINSGOLD | CANVAS | 48.0 | 129.2 | 53.2 | 15.9 |
| PLAINSGOLD | KIVARI AX | 47.5 | 127.7 | 53.6 | 12.5 |
| ARMOR | EXP55 | 46.1 | 124.2 | 53.1 | 15.5 |
| LIMAGRAIN | LCS JULEP | 43.8 | 117.8 | 53.5 | 12.3 |
| AGRIPRO | BOB DOLE | 42.4 | 114.1 | 52.5 | 13.7 |
| POLANSKY | HIGH COUNTRY | 42.1 | 113.2 | 53.6 | 13.1 |
| WESTBRED | WB4422 | 41.1 | 110.6 | 53.0 | 14.3 |
| CROPLAN | CP7017AX | 40.7 | 109.4 | 52.6 | 12.6 |
| CROPLAN | CP7869 | 40.4 | 108.8 | 54.3 | 10.9 |
| AGSECO | AG ICON | 39.9 | 107.5 | 53.8 | 10.9 |
| LIMAGRAIN | LCH19DH-152-6 | 39.5 | 106.4 | 53.0 | 13.8 |
| WESTBRED | WB4699 | 39.3 | 105.6 | 53.1 | 11.4 |
| POLANSKY | ROCKSTAR | 39.0 | 105.1 | 51.3 | 15.9 |
| OGI | OK18510 | 39.0 | 104.9 | 53.7 | 11.7 |
| PLAINSGOLD | GUARDIAN | 38.5 | 103.6 | 54.4 | 11.0 |
| AGSECO | AG RADICAL | 37.5 | 100.9 | 53.3 | 11.4 |
| AgriMAXX | Cartwright | 37.4 | 100.5 | 54.7 | 12.1 |
| LIMAGRAIN | LCS STEEL AX | 37.0 | 99.7 | 50.8 | 15.2 |
| OGI | SHOWDOWN | 37.0 | 99.6 | 52.6 | 12.7 |
| ARMOR | EXP65AX | 36.3 | 97.8 | 52.4 | 12.6 |
| LIMAGRAIN | LCS VALIANT | 36.1 | 97.1 | 52.9 | 11.8 |
| POLANSKY | PARADISE | 35.2 | 94.7 | 52.5 | 12.8 |
| OGI | DOUBLESTOP CL+ | 35.0 | 94.1 | 52.2 | 13.8 |
| KWA | ZENDA | 34.9 | 94.0 | 52.9 | 12.7 |
| AGRIPRO | AP EverRock | 34.9 | 93.9 | 53.0 | 10.6 |
| AGRIPRO | AP BIGFOOT | 34.9 | 93.8 | 53.6 | 11.4 |
| AGRIPRO | AP18 AX | 34.8 | 93.6 | 50.8 | 12.9 |
| LIMAGRAIN | LCS HELIX AX | 34.5 | 92.9 | 52.9 | 13.2 |
| LIMAGRAIN | LCS ATOMIC AX | 34.4 | 92.6 | 54.7 | 11.3 |
| CROPLAN | CP7266AX | 33.9 | 91.2 | 52.5 | 11.5 |
| WESTBRED | WB4401 | 32.8 | 88.3 | 53.3 | 11.8 |
| LIMAGRAIN | LCS GALLOWAY AX | 32.8 | 88.2 | 54.2 | 10.8 |
| LIMAGRAIN | LCS CHROME | 32.6 | 87.7 | 51.5 | 14.6 |
| WESTBRED | WB4632 | 32.3 | 87.0 | 52.7 | 10.4 |
| AGRIPRO | AP PROLIFIC | 32.3 | 86.9 | 52.3 | 14.2 |
| WESTBRED | WB4523 | 32.2 | 86.6 | 54.5 | 10.2 |
| PLAINSGOLD | CRESCENT AX | 30.6 | 82.3 | 53.2 | 10.9 |
| CROPLAN | CP7050AX | 30.5 | 82.1 | 50.8 | 13.0 |
| CROPLAN | CP7909 | 29.8 | 80.2 | 51.8 | 13.6 |
| KWA | KS HATCHETT | 29.5 | 79.5 | 52.6 | 11.3 |

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|--------------|--------------|-------------------------|---------------------|-----------------------|----------------------|
| KWA | KS AHEARN | 26.9 | 72.4 | 51.0 | 12.8 |
| AGRIPRO | SY WOLVERINE | 26.2 | 70.6 | 51.3 | 13.0 |
| MERIDIAN | MS MAVERICK | 23.1 | 62.2 | 52.6 | 14.3 |
| | AVERAGE | 37.2 | 100.0 | 52.9 | 12.8 |
| | CV (%) | 7.2 | 7.2 | 1.9 | 1.8 |
| | LSD (0.05)* | 6.6 | 17.7 | 1.1 | 1.9 |

*Yields must differ by more than the LSD value to be considered statistically different.

Top LSD group in bold.

Private Farm: 38.56483955, -98.6313194

Planted: 10/5/22

Dryland, minimum tillage, continuous wheat

Soil Analysis

| | |
|---------------------------------|----------------|
| OM(%) | 2.5 |
| Phosphorus (ppm)-P ₁ | 41 |
| Phosphorus (ppm)-P ₂ | 56 |
| K (ppm) | 369 |
| Mg (ppm) | 348 |
| Ca (ppm) | 2616 |
| pH | 6.6 |
| CEC (meq/100g) | 18 |
| Soil Texture | Silt Clay Loam |

2022-2023 Precipitation

| | |
|--------------------|--------|
| Normal (10/1-7/10) | 21.06" |
| Obs | 12.66" |
| Difference | -8.4" |