



Kildare Wheat Variety Trial

wheat.okstate.edu

Cooperator: Stan Claybaker
 Planting & harvest dates: 11/14/2023 & 06/17/2024
 Management: Grain-only
 Tillage: No-till

Extension Educator: Shannon Mallory
 Previous crop: soybeans
 Soil Type: Tabler silt loam
 Soil test: pH= 6.4, N = 98, P = 56, K= 302

| Licensee | Variety | Grain Yield | | | Test Weight | Wheat Protein | Stripe rust | Leaf rust |
|----------------------|-----------------|-------------------|-----------|-----------|-------------|---------------|-------------|-----------|
| | | 2023-24 | 2-Year | 3-Year | 2023-24 | 2023-24 | severity | severity |
| | | ----- bu/ac ----- | | | -- lb/bu -- | -- % -- | -- % -- | -- % -- |
| LCS | LCS Helix AX | 43 | 29 | -- | 60.3 | 15.2 | 80 | 5 |
| PlainsGold | Canvas | 42 | -- | -- | 59.3 | 14.7 | 60 | 20 |
| PlainsGold | Crescent AX | 41 | 31 | -- | 60.2 | 14.9 | 70 | 10 |
| OGI | High Cotton | 41 | 32 | -- | 58.2 | 15.8 | 10 | 5 |
| OGI | Showdown | 37 | 30 | 30 | 56.0 | 14.9 | 20 | 20 |
| OGI | OK Corral | 37 | 31 | 29 | 55.9 | 15.8 | 10 | 20 |
| OGI | Green Hammer | 37 | 32 | 34 | 57.5 | 18.7 | 25 | 10 |
| AgriPro | AP Prolific | 37 | 32 | -- | 56.1 | 16.7 | 60 | 10 |
| KWA | KS Providence | 37 | 33 | -- | 56.1 | 15.8 | 30 | 5 |
| OGI | Strad CL+ | 34 | 35 | 35 | 58.6 | 17.7 | 5 | 0 |
| OGI | Butler's Gold | 34 | 27 | -- | 58.9 | 17.5 | 20 | 5 |
| Westbred | WB4401 | 34 | 31 | -- | 58.4 | 15.2 | 40 | 5 |
| Westbred | WB4632 | 33 | 30 | -- | 58.1 | 14.2 | 80 | 10 |
| LCS | LCS Atomic AX | 32 | 24 | -- | 57.1 | 16.0 | 45 | 5 |
| OGI | Doublestop CL+ | 32 | 32 | 35 | 58.5 | 18.1 | 5 | 10 |
| OGI | Paradox | 32 | 32 | -- | 55.0 | 17.0 | 20 | 0 |
| LCS | LCS Steel AX | 32 | 21 | -- | 56.2 | 15.6 | 70 | 5 |
| OGI | Smith's Gold | 30 | 27 | 25 | 58.0 | 16.7 | 10 | 10 |
| AgriPro | AP Roadrunner | 30 | -- | -- | 53.7 | 16.2 | 20 | 0 |
| OGI | Bentley | 30 | 28 | 25 | 55.4 | 16.0 | 65 | 10 |
| AGSECO | AG Radical | 28 | 28 | -- | 55.9 | 16.0 | 60 | 10 |
| OGI | Breadbox | 28 | -- | -- | 56.0 | 17.7 | 20 | 0 |
| OGI | Big Country | 27 | 24 | 24 | 57.3 | 18.4 | 0 | 0 |
| OGI | Uncharted | 25 | 26 | 26 | 55.7 | 17.9 | 20 | 5 |
| OGI | Gallagher | 18 | 25 | 21 | 53.5 | 17.8 | 15 | 5 |
| Experimentals | | | | | | | | |
| OSU | OK20708 | 43 | -- | -- | 56.6 | 16.0 | 40 | 5 |
| OSU | OK198417C | 32 | -- | -- | 59.2 | 17.0 | 5 | 0 |
| OSU | OK16107133-19-4 | 30 | -- | -- | 54.3 | 17.7 | 10 | 5 |
| OSU | OK16107133-19-3 | 24 | 22 | -- | 54.5 | 17.6 | 10 | 5 |
| OSU | OK16103083 | 16 | 22 | -- | 50.8 | 16.9 | 60 | 0 |
| Mean | | 32 | 28 | 28 | 56.7 | 16.5 | 33 | 7 |
| LSD (0.05) | | 7 | 6 | 5 | 1.3 | 0.8 | -- | -- |

Notes: Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. There was no variety trial in the 2021-2022 growing season, thus 3-year averages represent results from 2024, 2023, and 2021 harvest year. There was a severe pressure of stripe rust and moderate pressure of leaf rust. Disease severity ratings were collected on May 5 (around milky ripe stage). The trial received 1.5" rainfall between harvest maturity and the time it could be harvested, and disease pressure was high, possibly driving down test weight. Double-dashes "--" = data not available.