



Apache Intensive Wheat Management Variety Trial

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| Cooperator: Bryan Vail Planting & Harvest Dates: 10/16/2023 & 06/13/2024 Management: Grain-Only, no-till Seeding Rate: 1.2 million seeds/acre Nitrogen: 6 lbs/acre 10-34-0, 70 lbs/ac around 02/01/2024 Fungicide: 4 fl oz/ac Tebucure 3.6 at jointing on 03/14/2024 and 10 fl oz/ac MiCrop at flag leaf on 04/04/2024 | Extension Educator: Quentin Scott Previous Crop: Wheat Soil Type: Hollister silt loam Soil Test: pH=5.1, N=100, P=71, K=447 |
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| Licensee | Variety | Grain Yield | | | Test Weight | Wheat Protein |
|----------------------|------------------------------|-----------------|-----------|-----------|-------------|---------------|
| | | 2023-24 | 2-year | 3-year | | |
| | | -----bu/ac----- | | | -- lb/bu -- | -- % -- |
| PlainsGold | Canvas | 75 | 75 | 69 | 59.7 | 13.4 |
| Westbred | WB4632 | 75 | — | — | 59.7 | 13.4 |
| AGSECO | AG Golden | 71 | 73 | — | 57.4 | 13.2 |
| Croplan | CP7017AX | 70 | 73 | 66 | 59.5 | 13.7 |
| OGL | Paradox | 70 | 71 | — | 59.6 | 13.6 |
| PlainsGold | Kivari AX | 70 | — | — | 58.0 | 13.4 |
| OGL | High Cotton | 70 | 74 | — | 60.0 | 13.9 |
| AgriPro | AP Roadrunner | 69 | — | — | 58.0 | 14.3 |
| AgriPro | AP Bigfoot | 67 | 70 | — | 58.7 | 14.7 |
| OGL | Gallagher | 67 | 69 | 60 | 59.6 | 14.5 |
| OGL | Breadbox | 66 | — | — | 60.3 | 14.5 |
| OGL | Showdown | 66 | 73 | 69 | 58.1 | 14.1 |
| OGL | Unchartered | 64 | 69 | 60 | 57.7 | 14.6 |
| Croplan | CP7869 | 63 | — | — | 59.6 | 14.0 |
| Westbred | WB4401 | 63 | 63 | 56 | 59.5 | 13.9 |
| KWA | KS Providence | 63 | 71 | — | 58.9 | 14.3 |
| LCS | LCS Photon AX | 62 | 64 | 60 | 57.4 | 14.0 |
| OGL | Smith's Gold | 60 | 63 | 56 | 60.5 | 14.6 |
| LCS | LCS Galloway AX | 60 | — | — | 59.1 | 14.5 |
| OGL | Doublestop CL+ | 60 | 67 | 60 | 59.2 | 16.4 |
| LCS | LCS Atomic AX | 60 | 67 | 63 | 57.5 | 14.1 |
| OGL | Strad CL+ | 59 | 64 | 58 | 58.7 | 15.5 |
| OGL | OK Corral | 59 | 63 | 55 | 58.2 | 13.5 |
| OGL | Green Hammer | 59 | 66 | 60 | 59.0 | 15.9 |
| OGL | Butler's Gold (Late-planted) | 56 | 47 | 41 | 59.8 | 16.0 |
| OGL | Firebox | 56 | 66 | 62 | 59.5 | 14.5 |
| Experimentals | | | | | | |
| OSU | OK16107133-19-4 | 66 | — | — | 57.4 | 14.7 |
| OSU | OK20708 | 64 | — | — | 59.1 | 14.3 |
| OSU | OK16107133-19-3 | 62 | 68 | — | 58.7 | 14.8 |
| OSU | OK198417C | 61 | — | — | 60.3 | 15.0 |
| Mean | | 64 | 67 | 60 | 58.9 | 14.4 |
| LSD (0.05) | | 8 | 6 | 5 | 0.9 | 0.6 |

Notes: column. There was a low lodging severity in the trial. Butler's Gold late planted was planted on 12/04/2023. Test Double-dashes"--" = data not available.