



Morris Intensive Wheat Management Variety Trial

wheat.okstate.edu

Cooperator: Chris Ledbetter
Planting & harvest dates: 11/1/2022 & 06/14/2023
Management: Grain-only, Conventional
Seeding rate: 1.2 million seeds/acre
Nitrogen: 6 lbs/ac 10-34-0 at planting, 46 lbs/ac on 2/6/23, and 61 lbs/ac on 3/14/23
Other nutrient sources: 1.35 ton/acre chicken litter before planting on 9/8/22, 1 pt Boron, 1/2 pt Manganese, 1 pt Syntose suger/ac on 3/20/23
Insecticide: 1.4 fl oz/ac Imidacloprid 4SC on 4/22/23
Fungicide: 6.2 fl oz/ac Prosaro at flowering on 4/22/23

Extension Educator: Tanner Miller
Previous crop: Corn
Soil Type: Taloka silt loam
Soil test: pH=6.7, N= 250, P= 148, K= 279

| Licensee | Variety | Lodging 2022-23 | Grain Yield | | Test Weight 2022-23 | Wheat Protein 2022-23 |
|----------------------|---------------------|--------------------|-------------|--------|------------------------|--------------------------|
| | | | 2022-23 | 2-year | | |
| | | | -- bu/ac -- | | -- lb/bu -- | -- % -- |
| Westbred | WB4401 | 1 | 118 | 97 | 60.4 | 12.3 |
| AgriPro | Bob Dole | 3 | 108 | 99 | 62.3 | 14.4 |
| Westbred | WB4632 | 2 | 108 | -- | 61.6 | 12.5 |
| OGI | OK Corral | 1 | 106 | 96 | 60.1 | 13.7 |
| AgriPro | AP Bigfoot | 0 | 105 | -- | 61.7 | 13.2 |
| OGI | High Cotton | 0 | 105 | -- | 62.6 | 13.7 |
| KWA | KS Providence | 3 | 105 | -- | 60.4 | 13.4 |
| LCS | LCS Atomic AX | 1 | 105 | 94 | 60.6 | 13.3 |
| LCS | LCS Julep | 2 | 103 | 90 | 62.7 | 14.2 |
| AgriPro | AP EverRock | 1 | 102 | 88 | 60.9 | 14.5 |
| OGI | Uncharted | 2 | 101 | 92 | 61.5 | 13.6 |
| OGI | Big Country | 3 | 99 | 94 | 63.4 | 15.2 |
| Westbred | WB4523 | 0 | 98 | -- | 61.3 | 13.1 |
| KWA | KS Ahearn | 1 | 98 | 89 | 61.3 | 13.4 |
| OGI | Smith's Gold | 3 | 98 | 86 | 62.8 | 13.9 |
| OGI | Gallagher | 3 | 96 | 90 | 63.4 | 13.9 |
| LCS | LCS Photon AX | 1 | 96 | 85 | 61.5 | 15.0 |
| AgriMAXX | AM Cartwright | 0 | 95 | 86 | 59.7 | 15.0 |
| AGSECO | AG Radical | 4 | 87 | 80 | 58.7 | 14.2 |
| PlainsGold | Crescent AX | 4 | 85 | 81 | 60.8 | 14.0 |
| Croplan | CP7017AX | 4 | 83 | 80 | 59.8 | 14.0 |
| Experimentals | | | | | | |
| OSU | OK16107133-19-3 | 0 | 105 | -- | 63.1 | 14.1 |
| OSU | OK15MASBx7 ARS 8-29 | 3 | 103 | -- | 59.9 | 13.2 |
| OSU | OK16103083 | 4 | 92 | 85 | 61.3 | 14.9 |
| OSU | OK19225 | 4 | 85 | -- | 62.4 | 14.6 |
| Mean | | 2 | 99 | 89 | 61.4 | 13.9 |
| LSD (0.05) | | -- | 8 | 7 | 2.5 | 0.5 |

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. Lodging is reported on a 0 to 5 scale, with 0 indicating no lodging. Double-dashes"--" = data not available.