



# Lahoma Wheat Variety Trial

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|                                                                 |                                          |
|-----------------------------------------------------------------|------------------------------------------|
| Cooperator: OSU North Central Research Station                  | Extension Educator: Rick Nelson          |
| Planting & harvest dates: 10/25/2024 & 06/10/2025               | Previous crop: Austrian winter peas      |
| Management: Grain-only, conventional tillage                    | Soil Type: Pond Creek silt loam          |
| Seeding rate: 60 lbs/acre                                       | Soil test: pH=4.9, N= 92, P= 150, K= 492 |
| Nitrogen: 6 lbs/ac 10-34-0 at planting and 40 lbs/ac on 2/26/25 |                                          |
| Fungicide: none                                                 |                                          |

| Licensee      | Variety            | Grain Yield       |        |        | Test Weight | Wheat Protein |
|---------------|--------------------|-------------------|--------|--------|-------------|---------------|
|               |                    | 2024-25           | 2-Year | 3-year | 2024-25     | 2024-25       |
|               |                    | ----- bu/ac ----- |        |        | -- lb/bu -- | -- % --       |
| LCS           | LCS Steel AX       | 78                | 74     | 70     | 57.9        | 13.4          |
| KWA           | KS Territory       | 75                | --     | --     | 60.2        | 13.9          |
| PlainsGold    | Crescent AX        | 75                | 69     | 69     | 60.0        | 13.1          |
| KWA           | KS Bill Snyder     | 74                | --     | --     | 60.1        | 13.4          |
| Westbred      | WB4422             | 74                | 69     | 68     | 59.2        | 14.4          |
| OGI           | Orange Blossom CL+ | 73                | 69     | --     | 61.6        | 15.9          |
| PlainsGold    | Kivari AX          | 73                | 71     | 71     | 58.6        | 12.5          |
| AgriPro       | AP Sunbird         | 72                | --     | --     | 60.6        | 12.8          |
| LCS           | LCS Cowie AX       | 72                | --     | --     | 59.9        | 13.7          |
| AgriPro       | AP24 AX            | 71                | 74     | --     | 57.7        | 13.6          |
| LCS           | LCS Radar          | 70                | 72     | --     | 58.7        | 14.3          |
| OGI           | High Cotton        | 70                | 69     | 66     | 59.6        | 14.4          |
| KWA           | KS Mako            | 69                | 67     | --     | 61.5        | 13.6          |
| LCS           | LCS Helix AX       | 69                | 67     | 67     | 60.7        | 13.5          |
| Croplan       | CP7462             | 68                | --     | --     | 57.6        | 13.6          |
| KWA           | KS Providence      | 68                | 66     | 70     | 55.5        | 14.6          |
| AgriPro       | AP Bigfoot         | 67                | 65     | 63     | 59.8        | 13.6          |
| OGI           | Green Hammer       | 67                | 61     | 62     | 59.7        | 17.1          |
| LCS           | LCS Warbird AX     | 67                | 69     | --     | 59.2        | 14.2          |
| Armor         | AR Iron Eagle 22AX | 66                | 67     | --     | 59.5        | 12.6          |
| Westbred      | WB4347             | 66                | --     | --     | 61.6        | 13.9          |
| AGSECO        | AG Radical         | 66                | 61     | 65     | 57.1        | 14.4          |
| OGI           | Showdown           | 66                | 69     | 68     | 57.5        | 13.7          |
| AgriPro       | AP Roadrunner      | 66                | 71     | --     | 56.7        | 14.0          |
| PlainsGold    | Canvas             | 65                | 70     | 70     | 57.8        | 13.5          |
| LCS           | LCS Runner         | 65                | 64     | --     | 59.2        | 13.5          |
| PlainsGold    | Sheridan           | 65                | --     | --     | 59.8        | 13.6          |
| Westbred      | WB4792             | 64                | 62     | 60     | 62.0        | 13.1          |
| Westbred      | WB4445CLP          | 64                | --     | --     | 57.9        | 14.3          |
| AgriPro       | AP Prolific        | 64                | 62     | 65     | 57.4        | 14.5          |
| LCS           | LCS Atomic AX      | 63                | 64     | 64     | 59.4        | 13.5          |
| OGI           | Strad CL+          | 62                | 66     | 62     | 59.4        | 15.9          |
| OGI           | OK Corral          | 62                | 65     | 63     | 56.1        | 14.6          |
| OGI           | Firebox            | 61                | 62     | 62     | 60.5        | 15.4          |
| OGI           | Smith's Gold       | 61                | 62     | 61     | 60.1        | 13.9          |
| Croplan       | CP7869             | 60                | 63     | --     | 58.2        | 14.4          |
| OGI           | Doublestop CL+     | 60                | 63     | 62     | 60.7        | 16.7          |
| Croplan       | CP7017AX           | 60                | 63     | 63     | 59.0        | 12.9          |
| AGSECO        | AG Golden          | 59                | 64     | 65     | 53.6        | 13.3          |
| Armor         | AR Turret 25       | 57                | 61     | --     | 57.4        | 14.3          |
| OGI           | Gallagher          | 55                | 65     | 65     | 56.6        | 14.5          |
| OGI           | Paradox            | 55                | 67     | 68     | 54.4        | 14.4          |
| OGI           | Uncharted          | 51                | 55     | 53     | 59.4        | 15.6          |
| Experimentals |                    |                   |        |        |             |               |
| OSU           | OK21DTR1705-91     | 71                | --     | --     | 58.7        | 14.6          |
| OSU           | OK23D89076X        | 68                | --     | --     | 57.9        | 13.1          |
| OSU           | OK20708            | 67                | 73     | --     | 58.7        | 14.3          |
| PlainsGold    | CO19D087R          | 66                | --     | --     | 58.4        | 13.5          |
| PlainsGold    | CO18042RA          | 65                | --     | --     | 59.5        | 13.6          |
| Mean          |                    | 66                | 66     | 65     | 58.8        | 14.1          |
| LSD (0.05)    |                    | 7                 | 7      | 5      | 1.1         | 0.4           |

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. High wheat streak mosaic virus (WSMV) pressure was observed in Paradox, Gallagher, and AR Turret 25. Double-dashes"--" = data not available.