# Lahoma Wheat Variety Trial

## Standard vs. Intensive Management Comparison

Cooperator: OSU North Central Research Station  
Extension Educator: Rick Nelson  
Previous crop: Wheat  
Soil Type: Pond Creek silt loam  
Soil test: pH=5.3, N= 110, P= 118, K= 412

Nitrogen: 6 lbs/ac 10-34-0 at planting, 40 lbs/ac on 2/14/22, 50 lbs/ac 3/15/22.

Fungicide: 4 fl oz/ac Tebucure 3.6 at jointing on 3/29/22 and 13 fl oz/ac Nexicor at flag leaf boot stage on 4/14/22

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<td>Wheat Protein: 14% Protein in a high yield Wheat</td>
<td>Wheat Variety Trial</td>
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<th>Grain Yield</th>
<th>Test Weight</th>
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<td>Intensive</td>
<td>Diff</td>
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<td>bu/acre</td>
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<td>%</td>
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**Table:**

- **Grain Yield:**
  - Standard: 93 bu/acre
  - Intensive: 95 bu/acre
  - Diff: 2 bu/acre

- **Test Weight:**
  - Standard: 59.6 lb/acre
  - Intensive: 60.7 lb/acre
  - Diff: 1.1 lb/acre

- **Wheat Protein:**
  - Standard: 14.1%
  - Intensive: 14.9%
  - Diff: 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. The crop experienced drought stress during the season and received a few timely rains late winter and in the spring, which enhanced realized yield in this particular environment relative to the statewide yield average. There were no diseases observed in this trial. This was the first year to conduct an intensive management (IM) trial at Lahoma. Due to this addition and the use of a different experimental design, data from previous years will not be comparable with the current year to provide long-term averages. Data from the trials conducted at Lahoma with and without fungicide in the 2020-2021 growing season are shown only for varieties planted in the 2021-2022 growing season. The 2-year yield averages include the 2020 and 2021 harvest years.

Butler’s Gold late-planted was planted on 12/3/2021 at 1.4 million seeds/acre. Double-dashes “—” data not available.

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**Oklahoma State University**

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**Source:** wheat.okstate.edu