

# 2025 Kentucky Extension Wheat Production Contest

Reported Yield

## Entry Form

Deadline: postmarked July 31, 2025. Please include agronomic data

**Agronomic Data** (Incomplete Data Could Lead to Disqualification of Entry)

Producer \_\_\_\_\_ County \_\_\_\_\_ Harvest Date mm/dd/yy \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

Town \_\_\_\_\_ KY Zip \_\_\_\_\_ Mobile \_\_\_\_\_

Check Division: **Division I, Tillage** includes conventional & minimum till

**Division II, No Tillage**

Previous Crop \_\_\_\_\_ Wheat Variety \_\_\_\_\_ Row Width (inches) \_\_\_\_\_

Planting Date mm/dd/yy \_\_\_\_\_ Seeding Rate (seeds/A or lb/A) \_\_\_\_\_

Fall Fertilizer (lb/acre) N lb/A \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> lb/A \_\_\_\_\_ K<sub>2</sub>O lb/A \_\_\_\_\_

Winter/Spring Nitrogen (N) Date: \_\_\_\_\_ N lb/A: \_\_\_\_\_ Date: \_\_\_\_\_ N lb/A: \_\_\_\_\_

Other fertilizers \_\_\_\_\_  
(type, rate, timing) \_\_\_\_\_

Biologicals, Other \_\_\_\_\_

Manure used within the last 18 months Type: \_\_\_\_\_ Tons/A: \_\_\_\_\_ Date: \_\_\_\_\_

Growth Regulator(s) product & timing \_\_\_\_\_

Pest Management products Fall: \_\_\_\_\_

include herbicides, fungicides Spring: \_\_\_\_\_  
& insecticides \_\_\_\_\_

Heading/Flowering: \_\_\_\_\_

Tillage Used \_\_\_\_\_

## Wheat Yield Determination

Exact size of measured area in nearest half or whole feet from which yield is determined with minimum of 1.50 acres, (65,340 sq. ft.). Draw diagram of field on page 2 if the harvest area is not uniform.

### Harvest Area

Length (ft) \_\_\_\_\_ x Width (ft) \_\_\_\_\_ = \_\_\_\_\_ (ft<sup>2</sup>) ÷ 43,560 ft<sup>2</sup> = \_\_\_\_\_  
(round to 0.5ft) (round to 0.5ft) (round to 0.5ft<sup>2</sup>) Acres (2 decimals)

### Grain Characteristics

Grain Moisture, % \_\_\_\_\_ = \_\_\_\_\_ Test Weight \_\_\_\_\_  
(1 decimal) (1 decimal) (1 decimal) (1 decimal) (lb/bushel) (1 decimal)

If using a certified moisture tester, only 1 reading is needed. If using a handheld device, use the average of 3 readings.

### Calculation of Official Yield (see examples on next page)

\_\_\_\_\_ x [(100-% Moisture) / 86.5] / 60 / \_\_\_\_\_ = \_\_\_\_\_  
lbs of wheat acres Bu/Acre (2 decimals)

### Signed:

\_\_\_\_\_  
Producer Signature Date Supervisor Signature Date

\_\_\_\_\_  
Producer Print Name Supervisor Print Name

### PLEASE ATTACH WEIGH TICKET HERE

Send completed form to: Chad Lee  
423 Plant Science Building  
1405 Veterans Drive  
Lexington, KY 40546-0312

Profession \_\_\_\_\_  
phone \_\_\_\_\_  
email \_\_\_\_\_

## Example Calculations

**Example: 1**

*9,000 lbs of wheat, 17.5% grain moisture, 1.53 acres*

$$9,000 \text{ lbs} \times [(100 - 17.5) / 86.5] / 60 \text{ lb/bu} / 1.53 \text{ acres} = \underline{93.51} \text{ bu/acre}$$

**Example: 2**

*11,000 lbs of wheat, 16.5% grain moisture, 1.53 acres*

$$11,000 \text{ lbs} \times [(100 - 16.5) / 86.5] / 60 \text{ lb/bu} / 1.53 \text{ acres} = \underline{115.67} \text{ bu/acre}$$

**Field Diagrams Here, if needed**

# 2025 Kentucky Extension Wheat Production Contest Rules

- I. **About:** The Kentucky Extension Wheat Contest is administered by the University of Kentucky and in partnership with the Kentucky Small Grain Promotion Board and numerous agribusinesses.
- II. **Objectives:** The objectives of the contest are (1) to emphasize those production practices necessary for efficient and profitable wheat production, (2) to encourage producers to strive for higher, efficient yields, (3) to determine which practices produced the highest yields, and (4) to recognize those producers who achieved superior yields.
- III. **Who is Eligible to Enter:** An eligible contestant includes any person who produces ten (10) acres or more of wheat in Kentucky. A producer may make more than one entry if the entries are from different fields or farms. However, a producer or farming unit will only be eligible for one (1) award.
- IV. **Contest Classes:** The contest is divided into two (2) Divisions:
  - a. **Division I:** Conventional or Minimum tillage, and
  - b. **Division II:** No-tillage, defined as "wheat seeded into undisturbed soil (no preplant tillage of any form allowed) following harvest of corn or soybeans in the fall. The corn stalks may be chopped in some manner."
- V. **Contest Requirements:**
  - a. **Production Practices.** A record of all production practices must be submitted with the yield certification form.
  - b. **Field Requirements.** The contest field must be at least five (5) contiguous acres of wheat of a single variety.
  - c. **Harvested Acres.** A minimum of 1.5 acres of contiguous wheat, all in Kentucky, must be harvested from a continuously planted area with four straight sides if possible. **Reasonable** variations will be acceptable. Harvest area cannot include end rows or turning rows or the outermost rows of the field. The supervisor will use a measuring wheel or measuring tape to determine the size of the harvest area.
  - d. **Yield Determination.** Official yields shall consist of the weight of the harvested wheat on certified public scales, corrected to 13.5% moisture and converted to bushels per acre. If a certified moisture tester is used, then only one reading is needed for grain moisture. If a handheld moisture tester is used, then three measurements should be taken and the average moisture reading shall be used for the contest. The County Extension Agent for Agriculture or designated representative is responsible for supervising harvest in person, verifying the yield and agronomic data of each entry from that county. The contestant is responsible for ensuring that the wheat contest entry was submitted to the state office.
  - e. **Grain Sample.** Each entrant is asked to collect 5 pounds of wheat. That sample will be shipped to Colette Laurant, 348 University Drive, Princeton, KY 42445. Each sample will be evaluated for soft red winter wheat quality. All grain samples should be delivered by **July 31, 2025**.
  - f. **Entry Deadlines.** The Certified Agronomic Data and Yield Form should be completed and sent to the state office as soon as possible after harvest but no later than **July 31, 2025** by the supervisor.
- VI. **Awards:** (There **may** be a cash award to the Agent with the Highest Entry) Cash awards will be made only to those who attend the Annual Awards Banquet.
  - a. **State Awards: Yield** The top entry in each Division will be awarded with the State Award. An appropriate trophy/plaque is awarded to the highest yield. The Traveling Trophy will be presented to the producer with the overall highest yield.
    - i. 1<sup>st</sup> Place State Champion: Division I – Tillage
    - ii. 1<sup>st</sup> Place State Champion: Division II – No-Tillage
  - b. **Area Awards: Yield** Top entry in each area not a state winner will be recognized. Awards will be given if enough entries are submitted.
    - i. Area 1 – Purchase and Pennyrile Areas
    - ii. Area 2 – Green River Area
    - iii. Area 3 – Mammoth Cave Area
    - iv. Area 4 – Rest of State

**c. State Awards: Grain Quality**

- i. 1<sup>st</sup> Place and 2<sup>nd</sup> Place for highest quality grain.

**d. Supervisor Awards** Two supervisor (2) awards shall be given

- i. Top Average Yield: resulting from highest three (3) yields by one supervisor  
ii. Most Entries: must be at least four (4) entries to qualify

## Supervisor Checklist

- ☐ Check combine harvester to ensure bin, augers, threshing unit, and header are empty. Have the contestant run the combine with thresher, header and auger engaged for at least 30 seconds.
- ☐ Check the grain cart and grain truck to ensure both are empty. Run the auger on the grain cart for at least 30 seconds.
- ☐ Encourage the contestant to keep the harvest area in a rectangle or square if possible.
- ☐ The harvest area is now only 1.5 acres in size. Harvest slightly more to avoid harvesting too small of an area.
- ☐ Measure each side of the harvest area with a tape or a measuring wheel.
- ☐ Observe the official weight of the harvested grain.
- ☐ Observe or directly conduct the grain moisture.
- ☐ Conduct the calculations.
- ☐ Get the agronomic data from the farmer and/or crop consultant.
- ☐ Send forms to Chad Lee, 423 Plant Science Bldg., Lexington, KY 40546-0312 or email to [Chad.Lee@uky.edu](mailto:Chad.Lee@uky.edu) to be received by July 31, 2025
- ☐ Send or deliver grain samples to Colette Laurent, 348 University Drive, Princeton, KY 42445 to be received by July 31, 2025.

## Examples of Harvest Area

1.50 acres = 65,340 square feet

The harvested area example includes widths and lengths that are easy to measure. If any of these scenarios are used, then the harvested area will be large enough for the contest.

Harvest Area Length, ft	Harvest Area Width, ft	Square Feet	Acres
1,700	40	68,000	1.56
1,100	60	66,000	1.52
750	90	67,500	1.55
550	120	66,000	1.52
440	150	66,000	1.52
410	160	65,600	1.51
370	180	66,600	1.53
330	200	66,000	1.52

Kentucky Wheat Contest Counties Listed By Area					
County	Area	County	Area	County	Area
Ballard	1	Anderson	4	Laurel	4
Calloway	1	Bath	4	Lawrence	4
Carlisle	1	Bell	4	Lee	4
Fulton	1	Boone	4	Leslie	4
Graves	1	Bourbon	4	Letcher	4
Hickman	1	Boyd	4	Lewis	4
Marshall	1	Boyle	4	Lincoln	4
McCracken	1	Bracken	4	Livingston	4
Caldwell	1	Breathitt	4	Madison	4
Christian	1	Breckinridge	4	Magoffin	4
Crittenden	1	Bullitt	4	Marion	4
Hopkins	1	Campbell	4	Martin	4
Lyon	1	Carroll	4	Mason	4
Todd	1	Carter	4	McCreary	4
Trigg	1	Casey	4	Meade	4
		Clark	4	Menifee	4
		Clay	4	Mercer	4
Daviess	2	Clinton	4	Montgomery	4
Hancock	2	Cumberland	4	Morgan	4
Henderson	2	Elliott	4	Nelson	4
McLean	2	Estill	4	Nicholas	4
Muhlenberg	2	Fayette	4	Oldham	4
Ohio	2	Fleming	4	Owen	4
Union	2	Floyd	4	Owsley	4
Webster	2	Franklin	4	Pendleton	4
		Gallatin	4	Perry	4
		Garrard	4	Pike	4
Adair	3	Grant	4	Powell	4
Allen	3	Grayson	4	Pulaski	4
Barren	3	Green	4	Robertson	4
Butler	3	Greenup	4	Rockcastle	4
Edmonson	3	Hardin	4	Rowan	4
Hart	3	Harlan	4	Russell	4
Logan	3	Harrison	4	Scott	4
Metcalfe	3	Henry	4	Shelby	4
Monroe	3	Jackson	4	Spencer	4
Simpson	3	Jefferson	4	Taylor	4
Warren	3	Jessamine	4	Trimble	4
		Johnson	4	Washington	4
		Kenton	4	Wayne	4
		Knott	4	Whitley	4
		Knox	4	Wolfe	4
		LaRue	4	Woodford	4

## 2025 Kentucky Extension Wheat Production Contest

### Wheat Sample Label

Please collect five (5) pounds of wheat from the harvest for the Kentucky contest.

Producer

Yield, bu/A

Wheat Contest Division

I, Tillage

II, No-Tillage

Wheat Variety

Date Harvested

**Send Wheat Sample to Colette Laurent, 348 University Drive, Princeton, KY 42445**