2024 Corn Production Contest

Cooperative Extension Service

Form A - Harvest Entry

2024 Kentucky Extension Corn Production Contest
Harvest Report Form

Reported Yield _____

Any Kentucky producer may enter the contest. This is a separate contest from the NCGA corn contest. A copy of the NCGA entry form along with agronomic practices is a suitable replacement for Form A. Please, send that copy to the address on this form to be eligible for the Kentucky Extension Corn Production Contest. Thank you.

Kentucky Extension Corn Contest Deadline: **2 weeks after harvest or Postmarked December 2, 2024, whichever is first.**

1 KyCGA/NCGA Membership Number: _____ *(not required)*

Name and/or Farm Name _____

2 Address _____ Work Telephone _____

3 City _____ **, KY** Zip _____ Mobile Telephone _____

4 County of Contest Field _____ email _____

5 Division Entered ☐ Division I (Tillage, Non-Irrigated) ☐ Division III (White Corn, Non-Irrigated)

☐ Division II (No-Till, Non-Irrigated) ☐ Division IV (Irrigated)

6 Acres in Field _____ Brand & Hybrid Planted _____

7 Row Width _____ inches ÷ 12 = _____ feet

8 Row length per pass: (nearest whole foot)

Pass	# of Rows Harvested one Pass		Row Length (whole foot)			Total Row Length	
Example	*8*	*x*	*500*	*ft*	=	*4,000*	*ft*
1		x		ft	=		ft
2		x		ft	=		ft
3		x		ft	=		ft
4		x		ft	=		ft
5		x		ft	=		ft
6		x		ft	=		ft
7		x		ft	=		ft
8		x		ft	=		ft

Total length of all rows _____ ft

9 _____ (Total Length of all Rows (ft)) x _____ (Average Row Width (ft)) ÷ 43,560 (Sq. ft in one acre) = _____ (Acres harvested (4 decimals))

Row Width, inches	Row Width, feet	Total Feet of Row Needed to Equal 1.2500 acres
15	1.2500	43,560
20	1.6667	32,669
30	2.5000	21,780
36	3.0000	18,150

Conversion Chart
Inches = 4 decimals
1″ = .0833
2″ = .1667
3″ = .2500
4″ = .3333
5″ = .4167
6″ = .5000
7″ = .5833
8″ = .6667
9″ = .7500
10″ = .8333
11″ = .9167

Key Phone numbers: (859) 338-5500 or (859) 257-3203

Form A - Harvest Entry, continued

10 Total bushels of corn harvested

Load A

gross _____ minus tare _____ = _____ pounds of corn

actual corn moisture percent _____ (2 decimals only), average of 3 readings

pounds of corn _____ X adjusted moisture (100% - % actual moisture) _____

÷ 47.32 (pounds of dry corn/bushel) = _____ Bushels harvested
(Load A)

Load B

gross _____ minus tare _____ = _____ pounds of corn

actual corn moisture percent _____ (2 decimals only), average of 3 readings

pounds of corn _____ X adjusted moisture (100% - % actual moisture) _____

÷ 47.32 (pounds of dry corn/bushel) = _____ Bushels harvested
(Load B)

11 Test Weight of Corn _____
(1 decimal)

13 _____ ÷ _____ = _____ **Reported Yield**

total bushels harvested (from Line 10, total loads A + B) | acres harvested (from Line 9) | bushels per acre adjusted to 15.5% (2 decimals)

14 Date harvested _____

We, the undersigned, supervised the harvesting, weighing, moisture testing and reporting as prescribed in the rules and regulations of the 2024 Kentucky Extension Corn Production Contest. To the best of our knowledge, these figures are accurate. We do not have financial or direct business ties to a company that sells agribusiness supplies or services to this operation.

Supervisor 1 Name (signature)	**Supervisor 2 Name (signature)**
Supervisor 2 Name (written)	**Supervisor Name (written)**
Title	**Title**
Address	**Address**
Telephone	**Telephone**

Send your completed form to:

Chad Lee, Ph.D.
Kentucky Extension Corn Contest
423 Plant Science Bldg., 1405 Veterans Drive
Lexington, Kentucky 40546-0312

Please Staple Weigh Tickets Here

The contestant is responsible for mailing the forms to the Kentucky Extension Corn Contest.

Form B - Agronomic Data Form

This form must be completed and forwarded with the harvest report form. If you are submitting a copy of the NCGA yield form to the Kentucky Contest, then submit this Form B with that entry.

Reported Yield _____

1 Name and/or Farm Name _____

2 Planting Information

Previous Crop _____

Planting Date _____ Harvest Date _____

Planting Rate _____ Seeds/acre Harvest Population _____ Plants/acre

Corn Brand _____ Corn Hybrid _____

Hybrid Traits (RR2, HXX, VT3, etc) _____ Soil Type (Huntington, Pembroke, etc.) _____

3 Soil Fertility Last Soil Test (year) _____ Soil pH _____

Ag Lime _____ tons/acre applied Fall _____ or Spring _____ of _____

Fertilizer, pound/acre applied since last crop:

Nitrogen (N) _____ Phosphorus (P_2O_5) _____ Potassium (K_2O) _____

Zinc (Zn) _____ Sulfur (S) _____ Boron (B) _____

Other _____ (kinds & amounts) Manure _____ (kinds & amounts)

Fertilizer N Timing(s): ☐ Fall ☐ Spring Pre-Plant ☐ At Planting ☐ Side-dress

Was starter used? ☐ Yes ☐ No Starter Type _____

How was N applied? _____ Surface # times applied _____

_____ Incorporated # times applied _____

_____ Through Irrigation # times applied _____

Other Growth Regulators, Stimulants, etc. _____

4 Pest Management (if none used, please mark "none")

Seed Treatment(s) **1)** _____ **2)** _____

Herbicide(s)	Fungicide(s)	Insecticide(s)

5 Tillage Practices

Timing	Tillage Equipment Used	No. of Times
Fall		
Spring		
In-Season		

For No-Till:

a) No-Till Planter Set-up: (i.e. row cleaners, etc.) _____

b) Any Deep Tillage in a No-Till Field?

No ☐ Yes ☐ If yes, what tool did you use? _____

c) How many years has this field been in no-till? _____

6 Planting and Harvesting Equipment

Planter Make/Model _____

Harvester Make/Model _____

7 Cover Crops Planted in Last 3 Years _____

Timing of Cover Crop Removal (weeks before / after planting) _____

Contest Eligibility, Classes and Awards

The Kentucky Extension Corn Production Contest awards producers who use sound cultural practices to increase profitability of corn production in Kentucky. **Please read the rules carefully.** The Kentucky Cooperative Extension Service, the Kentucky Corn Growers Association, and cooperating seed companies and other agribusinesses sponsor the contest.

Kentucky Contest and the NCGA Contest

The Kentucky Extension Corn Production Contest and the NCGA Corn Contest are two separate contests. Rules for the two contests differ, including contest divisions, eligibility and supervisor requirements. The Kentucky Extension Contest will accept a copy of the NCGA Harvest Report form. However, that copy *must be mailed* to the proper Kentucky address by the posted deadline to be eligible for the Kentucky Extension Corn Production Contest. Also, Form B, (Agronomic Data) or a copy of the agronomic data on the NCGA entry, must be submitted with the copy of the NCGA Harvest Report form. A copy of NCGA agronomic information is acceptable as well.

Contest Classes

A. Division I: Tillage, Non-irrigated:

Corn hybrid grown in Kentucky without irrigation in a Conventional Tillage or Minimum Tillage system. Conventional Tillage and Minimum Tillage fields include soil disturbance from mechanical tillage anytime between the prior year's harvest through the harvest of this year's contest. Examples of mechanical tillage are fall disking, fall surface tillage, fall deep ripping, moldboard plow, chisel plow, disks, field cultivators, harrows, Turbo-Till, etc.

B. Division II: No-Till, Non-irrigated:

Corn hybrid grown in Kentucky without irrigation in a No-Tillage system. No-Tillage qualifications are as follows:

1) The soil residue is left undisturbed, no mechanical tillage, from the prior year's harvest through the harvest of this year's contest;
2) Planting units may use row cleaners but less than one-third of the row width is disturbed at planting**;** and
3) Weed control is accomplished with herbicides. (Note: these qualifications are like the NCGA No-Till qualifications.)

C. Division III: White Corn, Non-irrigated:

Corn hybrid grown in Kentucky designated as having a white kernel and grown without irrigation regardless of tillage type.

D. Division IV: Irrigated Corn:

Corn hybrid grown in Kentucky with Irrigation regardless of tillage type and kernel color.

Contestant Eligibility

Any producer (owner-operator, tenant, or tenant-landlord) who produces at least ten (10) continuous acres of corn in Kentucky may enter. A producer may make more than one entry per division if the entries are **different hybrids from different fields**. However, a producer with more than one entry will be eligible for only one award in Divisions I, II, III and IV. Members of the same family may enter separate entries, but these entries must be from separate fields. Producers may make entries as a single farming operation rather than a single person. A contestant can submit more than one entry, but each contestant will be eligible for only one (1) state award.

Field Eligibility

A contest field in the state of Kentucky must be ten (10) or more continuous acres of a **single** hybrid. Only one entry per field is eligible for the Kentucky Extension Corn Production Contest. A total of 1.2500 or more acres must be harvested as shelled corn with a multiple row harvester from the contest plot. The land must be owned or leased by the contestant. More details about the field are in the Harvesting Rules.

County Committee and Supervisor

The Kentucky Extension Corn Production Contest County Committee will be under the direction of the County Extension Agent for Agriculture and other members as appointed. Other county supervisors should be representatives of agricultural agencies and farmers. These individuals are responsible for all computations and field measurements

and should be present during harvesting, weighing and moisture testing. Counties are encouraged to sponsor individual county contests and be responsible for encouraging corn growers to enter the state contest.
A supervisor cannot be related to the contestant, be a seed corn representative, chemical dealer or be an employee, employer, or consultant of the contestant or of his/her farm.

State Committee

The Kentucky Extension Corn Production Contest State Committee shall consist of: 1) Two Grain Crops Extension Faculty, University of Kentucky, 2) One Corn Company Representative and 3) One County Agriculture Extension Agent.

The State Corn Contest Committee shall have the authority to arbitrate any point of contention that might develop in the administration of the program and State Corn Contest Committee decision will be final. Any irregularities regarding the requirements of the program as outlined will be just cause for disqualification.

Contest Awards

Winners will be announced, and awards given at the annual Kentucky Commodity Conference. Cash awards may be adjusted due to available funding and will be presented only to those winners who attend the Awards Celebration.

State Awards

Each contestant is eligible for only one (1) state award.

Divisions I and II (Non-Irrigated Tillage, and Non-Irrigated No-Tillage Corn)

Yields from Divisions I and II will be combined to identify the three highest yields per acre. Awards will be for 1st, 2nd and 3rd places and will include a trophy or plaque and possibly a monetary award. The State Champion will be engraved on Highest Non-Irrigated Corn Yield traveling trophy, sponsored by the Kentucky Corn Growers Association in honor of Jack Crowner that is to be displayed in the champion's county extension office for one year.

Division III (Non-Irrigated White Corn)

First place award, 2nd place award (if at least 10 entries were submitted) and 3rd place (if at least 15 entries were submitted). The state awards will include a trophy or plaque and possible a monetary award. The White Corn Champion name will be engraved on a traveling trophy, sponsored by Pioneer, that is to be displayed at the champion's county extension office for one year.

Division IV (Irrigated Corn)

First place award, 2nd place award (if at least 10 entries were submitted) and 3rd place (if at least 15 entries were submitted). The state awards will include a trophy or plaque and possible a monetary award. The Irrigated Corn Champion will be engraved on a traveling trophy, sponsored by Whayne Agri-Business that is to be displayed in the champion's county extension office for one year.

District Awards

State award winners will not receive district awards. Entrants for Division I and II are divided into the six districts listed below. The contestants in Divisions I and II with the highest yield per acre but not a state award winner in each District will receive an appropriate award. Those districts are as follows:

District	Area	District	Area(s)
1	Purchase	4	Mammoth Cave and Lincoln Trail
2	Pennyrile	5	Louisville, Northern Kentucky, Fort Harrod, Bluegrass, and Licking River
3	Green River	6	Lake Cumberland, Wilderness Trail, Quicksand, Northeast Kentucky

(Changes may be made at the discretion of the State Committee).

Certificates

1. 275 Bushel Club - A certificate for membership in the 275 Bushel Club will be presented to producers with yields of 275 bushels or more.
2. Certificate for Participation Recognition will be available for all completed entries that are not state or district winners.

Agent Awards

The Extension Agent for Agriculture and Natural Resources who has the highest average yield for the **top three** applications in EACH non-irrigated division will receive a plaque as recognition for superior accomplishments in the Kentucky Extension Corn Production Contest. If there are enough entries in the irrigated division, then a similar award will be given in this division.

Harvest Rules

Comparison Between Corn Contests

The NGCA Corn Contest is administered by the National Corn Growers Association and requires field entry before harvest.
The Kentucky Extension Corn Production Contest is administered by the University of Kentucky Cooperative Extension Service. Some of the key comparisons between the two include:

Key Comparisons Between the NCGA and Kentucky Extension Corn Contests.

NCGA Corn Contest	Kentucky Extension Corn Production Contest
Requires NCGA membership	Requires the field to be in Kentucky
Requires Field Entry in before July and then submission of the yield calculations after harvest.	Only requires the harvest entry and agronomic information after harvest.
Requires an Entry Fee.	No Entry Fee.
Nine classes including no-till non-irrigated, conventional non-irrigated, strip till non-irrigated, no-till irrigated, conventional irrigated and strip till irrigated.	Four divisions: Tillage, No-Tillage, White Corn, and Irrigated
Supervisor must contact NCGA for yields above 325.0000 bushels per acre. (4 decimals)	Supervisor must contact State Corn Committee for yields above 325.00 bushels per acre. (2 decimals)
Recheck Required for Yields Above 325.0000 bushels per acre	Recheck Required for Yields Above 325.00 bushels per acre if only one supervisor was present for the first check. If two supervisors were present for the first check above 325.00 bu/acre then a recheck is not needed.
The recheck is the final yield and will be used regardless of the first check.	The recheck is the final yield and will be used regardless of the first check.
Harvest a minimum of 1.2500 acres	Harvest a minimum of 1.25 acres
Calculations rounded to four decimal places .0000	Calculations rounded to two decimal places .00
Picture of the contest field is required.	Picture of the contest field is not required.
Contestant is responsible for submitting entries.	Contestant is responsible for submitting entries.
Harvest Entries submitted online at www.ncga.com/nyc	Harvest Entries mailed to University of Kentucky, 423 Plant Science Bldg., 1405 Veterans Drive, Lexington, KY 40546-0312
	A copy of the NCGA Harvest Form plus Agronomic Data is accepted as an entry into the Kentucky Extension Corn Contest. The copy MUST BE MAILED TO THE ABOVE ADDRESS TO BE ACCEPTED.
Send in harvest results within two weeks of the final supervised yield check per individual entry or no later than November 30, 2024, whichever is the earlier date.	Send in harvest results within two weeks of the final supervised yield check per individual entry or no later than December 2, 2024, whichever is the earlier date.
Photos of harvested entry must be submitted.	Photos not required.

Harvest Entry

The contest entry must be harvested in accordance with the harvest procedures defined by the Kentucky Extension Corn Production Contest.

- Send in harvest results within two weeks of the final supervised yield check per individual entry or no later than December 2, 2024, whichever is the earlier date.
- The Kentucky Corn Production Contest reserves the right to contact harvest supervisors to validate compliance with the rules.

It is the responsibility of the entrant to verify that his/her harvest entry (or entries) are properly completed and submitted by the designated deadlines. **Retain a copy** of your entry (or entries) for your records.

Harvest Area

The harvest area must be 10 acres or more of a single hybrid that is not harvested. The contest area may be any shape but mist be in one continuous block of corn.

- All end rows/turning rows and the equal number of outermost rows on each side may not be a part of the selected 10-acre contest plot. A minimum of one header pass must be harvested around the entire field and may not be a part of the selected 10-acre contest plot.
- A total of 1.25 or more acres must be harvested as shelled corn with a multiple row harvester from the contest field. Roundup up to get 1.25 acres is NOT ALLOWED.
- The designated 10 acre minimum is recommended in the event a recheck is needed.

Harvesting

The supervisors must have the entrant run the combine empty to make certain no corn has been left in the machine by mistake. All wagons and/or trucks must be checked to make certain they are empty. A set of rows shall be harvested, then three times that number skipped, another set harvested and three times that number skipped and so on until the required 1.25 or more acres have been harvested. **It is acceptable if the 1.25 acre minimum can be harvested in one continuous pass.**

Example:

Four row harvester:	**Harvest 4 rows, skip 12 rows, harvest 4, repeat as needed.**
Six row harvester:	**Harvest 6 rows, skip 18 rows, harvest 6, repeat as needed.**
Eight row harvester:	**Harvest 8 rows, skip 24 rows, harvest 8 rows, repeat as needed.**
Twelve row harvester:	**Harvest 12 rows, skip 36 rows, harvest 12, repeat as needed.**

Supervising Harvest

One (1) supervisor must oversee all computations and field measurements and must be present for the harvesting, measuring, weighing, moisture-testing and reporting to the State Corn Committee as required. A supervisor cannot be related to the contestant, be a seed corn representative, chemical dealer or be an employee, employer, or consultant of the entrant or the entrant's farm. The supervisor can have an assistant help him/her with the supervision. The assistant must follow the same guidelines as the supervisor.

The **ENTRANT IS RESPONSIBLE FOR MAILING** the completed form to: Chad Lee, Kentucky Extension Corn Contest, 423 Plant Science Bldg. Lexington, KY 40546-0312. A scanned copy of the entry may be emailed to Chad.Lee@uky.edu. Include "2024 KY Corn Contest [Entrant's Name]" in the title of the email.

Supervisor Responsibilities Include:

- To be present during harvesting and weighing to signature approve the gross, tare and moisture
- Make sure the entrants run the combine and the transfer auger empty so no corn is left behind.
- Field measurements: Documenting the number of rows on the header and the length of each pass to record on the Yield Worksheet.
- Important: Supervisor signatures are required on all weigh tickets as well as the yield worksheet which is the document containing the acreage harvested (number of rows on the header and the length of each pass)
- Moisture reading(s) must be detailed on the harvest documents submitted with the entry.
- Supervisor must contact Chad Lee on all initial yield results exceeding 325.00 bu./acre and again to report the recheck yield result of the reported plot. You may call Chad Lee at 859-257-3203. You may leave a message.
- If a recheck is performed but was not required, according to the rules based upon the number of supervisors' present and the yield outcome, the initial check will stand.
- The entrant is responsible for submitting the information, although, with permissions, the Supervisor can complete the forms and submit them. It is highly recommended that all parties retain copy of all confirmations for accurate verification.

Initial Check

A minimum of one header pass around the entire field must be harvested before starting an initial check. The entrant selects the rows for the first pass; however, supervisor need to agree that an acceptable number of rows remain to establish a harvest pattern. If the field is contoured or terraced, the area left unharvested must be in each contour or terrace interval, adjacent and equal to the area originally harvested. The entrant must harvest at least 1.25 acres to complete the initial check. The unharvested corn will be used for the recheck if required.

Recheck (For Kentucky Contest Entries, Only. NCGA Rules are Different)

A recheck of 1.25 acres or more using the same harvest pattern in the rows next to the completed initial check is required if yield exceeds 325.00 bushels per acre and only one supervisor was present for the first check. Both the initial check and the recheck must be submitted. The yield resulting from a required recheck will be considered the official yield if the initial check was harvested according to the requirements.

Mandatory - Supervisor is required to contact Chad Lee to report all initial yield results exceeding 325.00 bushels per acre and again to report the recheck yield (if needed). Phone: 859-257-3203. Leave a message.

If NCGA guidelines are followed for supervisors, yield checks and re-checks, they will be considered valid for the Kentucky Extension Corn Contest.

Measuring

Preferred measurement tools are a tape or chain. Measuring wheels are acceptable for measurements but cannot be operated from a motorized vehicle. Verify wheel calibration for accurate measuring. (If not measured and recorded properly, it may result in changes in your official yield). A laser may also be used to measure only if the rows are straight and the field is flat. The Laser must be able to hit point to point. If the field has any kind of curve or slope to it, a laser cannot be used to measure. Checking laser calibration accuracy is recommended. Each measurement must be recorded on the form submitted to the Kentucky Corn Contest. Proper tape and chain measurements are taken with the measurement tool pulled tight but not off the ground surface. GPS is not allowed to be used to measure row lengths. Entrants deviating from this rule may be disqualified from the contest.

- **Row Length:** If the rows are all the same length, measure the length of one row and record same length for each of the rows harvested. If the rows are not all the same length, measure down the center of each set harvested and record the length for each of the rows in the set. (On pivot irrigation do not subtract wheel space).

- **Row Width:** Record the row width based on spacing of the planter row units, such as 15", 20", 30", 36", 38", etc. NOTE: space between parallel outside planter row units must be reasonably close (not to exceed 120%) to the space between planter row units.

In the interest of Best Management Practices, grass waterways may be a part of the contest plot if the uniform planter row spacing is evident in the selected harvest acres. The length of the grass waterway will be included in the harvested row length if corn rows are planted in the waterway. If corn rows are not planted in the waterway, the actual length of each row shall not be included in the total row length

Calculating Acres Harvested

The total row length times the average row width divided by 43,560 (square feet in one acre) equals acres harvested.

- Example: twelve-row harvester:
- If 24 rows were harvested and each row is 910 feet long and the row width is 2.5 feet,
- then 910 ft x 24 rows = 21,840 ft x 2.5 ft divided by 43,560 = 1.2534 acres.

Row Width (inches)	Row Width (feet)	Total Feet of Row Needed to Equal 1.2500 acres
15	1.25	43,560
20	1.67	32,669
30	2.50	21,780
36	3.00	18,150

Weighing

All corn must be weighed on a state-inspected scale. The supervisor must weigh or oversee the weighing of the corn. A weigh ticket must be attached to the harvest report form. It must have the name of the company where the weighing was done and the name of the person doing the weighing written on it. Original weigh tickets are required, unless the entry is also an NCGA yield contest entry. Original weigh tickets must be submitted to NCGA for NCGA entries. Copies of NCGA entries are accepted for Kentucky Extension Yield Contest entries.

Moisture Testing

The grain moisture can be tested with a certified moisture tester and must be supervised. Or, ***three samples*** can be tested with a non-certified tester (including portable testers) that has been calibrated. The average of the three readings is the official moisture for the contest. The supervisor(s) must be present for moisture testing. (Note: NCGA Does not allow handheld moisture testers to be used.)

Calculating Yield

All calculations are carried to two decimal places. First, find the number of bushels of corn harvested, corrected to 15.5% moisture, then divide by the acres harvested to get bushels per acre.

To calculate bushels harvested, corrected to 15.5% moisture, take the total pounds of corn harvested, times the difference of 100% and the percent moisture in the corn, and divide by 47.32 (pounds of dry corn in one bushel of 15.5% corn).

Example: 19,000 pounds of corn at 21.35% moisture.

- Step 1: 100% - 21.35% = 78.65% = 0.7865
- Step 2: (19,000 x .7865) / 47.32 = 315.7967 bushels of corn at 15.5% moisture
- Step 3: 315.7967 ÷ 1.2534 acres = 251.95 bushels per acre

Signed Entries

Each supervisor who monitored the yield check must sign the harvest report form.

Completed Entries

The 2024 Harvest Report Form (Form A) and the Summary of Agronomic Data Form (Form B) should be completed and forwarded to the State Corn Contest Committee no later than **December 2, 2024**, by the county agricultural agent or other designated person.

Note: Entries in the NCGA Corn Contest may be copied and mailed to the Kentucky Extension Corn Contest. However, **please fill out *Form B* (Summary of Agronomic Data)** or provide a copy of the agronomic data submitted to NCGA and enclose it with a copy of the NCGA entry. The copy of the NCGA and Form B must be mailed to the State Corn Contest Committee to be eligible for the Kentucky Extension Corn Production Contest.

The contestant is responsible for mailing the forms to the Kentucky Extension Corn Contest.