



NATIONAL CORN YIELD CONTEST

SUPERVISOR TRAINING GUIDE

A step-by-step reference for approved supervisors verifying contest yields — from pre-harvest inspection through the recheck.

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01

BEFORE YOU START

Who the supervisor is, what the role protects, and who is not permitted to serve.

WELCOME

SUPERVISOR QUALIFICATIONS

SUPERVISOR DISQUALIFICATIONS

WELCOME

THANK YOU FOR SERVING AS A SUPERVISOR

The Yield Contest has earned its reputation for integrity and credibility largely because of the network of supervisors who verify the accuracy of every submitted yield.

As a supervisor, your attention to detail directly contributes to the contest's success. This guide walks you through exactly what that role involves.

INTEGRITY

ACCURACY

TRUST

ELIGIBILITY

SUPERVISOR QUALIFICATIONS

NCGA will approve supervisors who are active or retired from any of the following positions:

- FFA Advisor / Vocational Agricultural Instructor
- FSA employees
- Bank ag loan officer
- ASFM accredited farm manager
- State corn association and checkoff staff
- County Extension Agent or Assistant
- SWCD employees
- Private crop consultant or agronomist
- Crop insurance agents / adjustors
- NRCS employees
- Farm Credit System employees
- College of Agriculture instructor
- NCGA Corn Board and state board members

A supervisor profile — name, address, business, job title, phone, and email — must be loaded in the contest database before the supervisor can be selected.

ELIGIBILITY

SUPERVISOR DISQUALIFICATIONS

The following may **not** serve as a supervisor on an entry:

AGRIBUSINESS TIES

Anyone with a financial or direct business tie to a company that sells agribusiness supplies — such as seed, biologicals, or chemical reps, or farm equipment salesmen.

ENTRANT'S CIRCLE

An employee or relative of the contest entrant.

THE ENTRANT

The contest entrant may never supervise their own entry.

02

PRE-HARVEST

What to confirm in the field before a single row is harvested.

FIELD REQUIREMENTS

SUPERVISOR CHECKLIST

MEASURING THE PLOT

FIELD REQUIREMENTS — PRE-HARVEST INSPECTION

- 1** The contest plot must be **10 continuous acres** of the same hybrid brand and hybrid number, and may be any shape.
- 2** Inspect field conditions to confirm the tillage practice meets the class qualification.
- 3** All end rows and turning rows, plus an equal number of outermost rows on each side, are excluded from the harvested area.
- 4** Have the operator run the combine and transfer auger empty to confirm no corn remains before harvesting the plot.
- 5** Check and confirm all trucks are empty before harvesting the contest plot.

REFERENCE

SUPERVISOR CHECKLIST

Three sections – visual pre-harvest, visual harvest, and visual post-harvest – to be worked through in the field.

PRINTABLE PDF

www.ncga.com/yield-contest

SUPERVISOR CHECKLIST

Visual Pre-Harvest

- ☐ YES ☐ NO Does the planting practice match the Entry class?
- ☐ YES ☐ NO End rows/turning rows pre-harvested?
- ☐ YES ☐ NO Harvester and auger were run to make certain no corn was mistakenly present?
- ☐ YES ☐ NO Is all transportation equipment empty?

Visual Harvest

- ☐ YES ☐ NO Harvester was always in view?
- ☐ YES ☐ NO Transportation equipment always in view?
- ☐ YES ☐ NO Transfer of grain started and completed with supervisor present?
- ☐ YES ☐ NO If row length(s) measure by wheel, was the calibration checked?
- ☐ YES ☐ NO A minimum of 1.25 acres harvested?

Visual Post-Harvest

- ☐ YES ☐ NO Transporting of equipment was always in view when being moved to the scales?
- ☐ YES ☐ NO Viewed samples being taken for moisture and calculation completed?
- ☐ YES ☐ NO Scale is state certified?
- ☐ YES ☐ NO Observed all unloading, weighing and dumping?
- ☐ YES ☐ NO Were harvest rules provided by the entrant?
- ☐ YES ☐ NO Has the certified weigh station provided a printout listing the gross, tare and moisture for the supervisor to sign.

IMPORTANT: Supervisor must sign BOTH the weigh ticket and yield calculations worksheet

MEASURING

MEASURING THE PLOT

All measurements must be made with one of the following approved methods:

TAPE

Standard measuring tape.

CHAIN

Traditional surveyor's chain.

WHEEL

Measuring wheel – must be calibrated, and used only while walking it.

LASER

Straight and flat fields only.

NOT ACCEPTED GPS systems are **not** accepted as a measuring device.

03

HARVEST

The part of the process that cannot be delegated:
presence, documentation, and signature.

SUPERVISOR MUST BE PRESENT

HARVESTING THE CONTEST PLOT

ACREAGE HARVEST WORKSHEET

THE RULE THAT MATTERS MOST

THE SUPERVISOR MUST BE PRESENT — AND MUST SIGN

The supervisor is responsible for recording all computations and field measurements, and for signing both the weigh ticket and the Acreage Harvest Worksheet. Unwitnessed or unsigned documents cannot be accepted.

ATTENDANCE REQUIRED

THE SUPERVISOR MUST BE PRESENT DURING

STAGE 1

HARVESTING

The length of each pass and the number of rows harvested must be documented on the Acreage Harvest Worksheet.

STAGE 2

TRANSPORTING

The supervisor accompanies the load from the field to the scale.

STAGE 3

WEIGHING

The supervisor signs the weigh ticket – gross, tare, and moisture readings. The Acreage Harvest Worksheet must also carry the supervisor's signature.

The supervisor is responsible for recording all computations and field measurements.

HARVEST PROCEDURE

HARVESTING THE CONTEST PLOT

MINIMUM HARVESTED

1.25

ACRES

Harvest a minimum of 1.25 acres of the contest plot with one supervisor present to record the number of rows on the header and the length of each pass taken.

The supervisor signs the acreage harvested record.

RECHECK
TRIGGER

350.0000

bu/ac or greater on the first check requires a **recheck**, with **two supervisors** present to sign both recheck documents.

HARVEST PROCEDURE

HARVEST PATTERN EXAMPLES

Harvest a set of rows, then skip three times that number. Repeat until 1.25 acres or more has been harvested.

FOUR-ROW HEADER

4 harvest **12** skip

Repeat as needed.

SIX-ROW HEADER

6 harvest **18** skip

Repeat as needed.

EIGHT-ROW HEADER

8 harvest **24** skip

Repeat as needed.

REFERENCE

ACREAGE HARVEST WORKSHEET WITH SIGNATURE

Take the printed worksheet to the field, record every pass, and sign it. Upload and attach it to the online harvest entry.

PRINTABLE PDF

www.ncga.com/yield-contest

Acreage Harvest Worksheet with Signature

Grower Name: _____ Date: _____ Hybrid: _____

Row width: (based on spacing of the planter row units, this should be the same as listed on entry)

Row spacing between planter row units = _____ inches + 12 = _____ feet of row width

*Row length in feet: Record each pass through the field separately. Record all calculations to four decimal places.

**Ref: Harvest Rules, Measuring

1,250 Harvested in one continuous pass:
$$\frac{\text{\# of rows harvested with row length row header pass}}{\text{Row length}} \times \text{ft} = \text{Total}$$

Multiple passes to harvest 1,250 minimum: 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 1,250 or more acres have been harvested.

Example of multiple passes:

Six-row harvester: Harvest six rows – skip eighteen – harvest six – skip eighteen – repeat as needed.

$$\frac{\text{\# of rows harvested with header pass}}{\text{Row length}} \times \text{ft} = \text{Total row length one}$$

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Total length of all rows = _____ ft

**Total length of all rows harvested _____ $\times$ row width _____ = 43,560 (Eq. Ft. in an acre)

(square feet in one acre) = _____ acres harvested. (Min of 1.25 acres)

**Ref: Harvest Rules, Calculating Acres Harvested

RECHECKS ONLY: Record number of shucked back ears from the Yield Verification Photo _____

This printable worksheet contains signature lines and can be taken with you to the field to be later uploaded and attached to your online harvest entry. Calculations recorded on any document are also acceptable provided they are approved with Supervisor signature(s).

Submit final yield information via NCGA's ONLINE harvest entry at www.ncga.com/ncg

SUPERVISOR SIGNATURE
Initial check

2nd SUPERVISOR SIGNATURE
Recheck

04

CALCULATIONS

Every figure carried to four decimal places, and every moisture reading taken on an approved device.

CALCULATING THE YIELD

YIELD CALCULATION FORMULA

MOISTURE TESTING

CALCULATIONS

CALCULATING THE YIELD

The yield calculation draws on five recorded figures:

- 01 Row length
- 02 Row width – planter row spacing
- 03 Number of rows harvested per header pass
- 04 Square feet in one acre – 43,560
- 05 Moisture percentage – no hand-held moisture readers allowed

Harvest calculations must be carried out to **four decimal places**.

REFERENCE

YIELD CALCULATION FORMULA

Work the formula load by load. This worksheet does not need to be uploaded with the online entry.

PRINTABLE PDF

www.ncga.com/yield-contest

YIELD CALCULATION FORMULA

(This document does not need to be uploaded and attached to the online entry)

- 1) Total length of all rows harvested _____ X row width _____
÷ 43,560 (square feet in one acre) = _____ acres harvested (Minimum 1.25 acres)
- 2) **Load A:** Gross _____ minus tare _____ = _____ pounds of corn
Actual corn moisture percent _____ (2 decimal places only)
Pounds of corn _____ X adjusted moisture (100% - %) moisture) _____
÷ 47.32 (pounds of completely dry corn/bushel) = _____ bushels harvested.
- Load B:** Gross _____ minus tare _____ = _____ pounds of corn
Actual corn moisture percent _____ (2 decimal places only)
Pounds of corn _____ X adjusted moisture (100% - %) moisture) _____
÷ 47.32 (pounds of completely dry corn/bushel) = _____ bushels harvested.
- 3) _____ bushels harvested ÷ _____ acres harvested = _____ bushels per acre

MOISTURE TESTING — APPROVED DEVICES

PERMITTED

- A state-certified testing device at a grain handling facility.
- A tabletop tester located on the farm or at a grain handling facility.

NOT PERMITTED

No hand-held moisture testers are allowed.

An entry will be disqualified if one is used.

MOISTURE TESTING — SUPERVISOR SIGN-OFF

1

Supervisor(s) must be present through **sampling, weighing, and moisture testing** so they can sign the weigh tickets verifying gross, tare, and moisture.

2

Supervisor(s) must sign off on the **printed moisture reading** – or the hand-written reading if a printout isn't available.

05

SUBMISSION

Getting the documented harvest into the contest system.

ONLINE ENTRY OF THE HARVEST

SUBMISSION

ONLINE ENTRY OF THE HARVEST

The supervisor, grower, or sales rep may complete the online harvest entry. Whoever submits must have a copy of the harvest documents available to upload and attach to the entry.

Confirmation copies are stored on the grower's profile page throughout the contest. Keeping your own copy is recommended.

NEED A RECHECK?

350.0000

If the first check yields 350.0000 bu/ac or greater, a recheck must be performed – and NCGA must be notified.

06

RECHECK

Required when the first check reaches 350.0000 bu/ac or greater. Two supervisors, one photo, and a full second set of documents.

HARVESTING THE RECHECK

PHOTO ILLUSTRATION GUIDE

RECHECK PLOT PHOTO EXAMPLE

RECHECK PROCEDURE

BEFORE YOU BEGIN THE RECHECK

TWO SUPERVISORS

Two supervisors must be present if the first harvest yields 350.0000 bu/ac or greater.

1

Take a photo of a 36-inch length of the recheck plot **before** harvesting it. Photo requirements follow on the next slides.

2

Contact NCGA to report all initial yields exceeding 350.0000 bu/ac – and again to report the recheck results. **Failure to report will result in disqualification.**

RECHECK PROCEDURE

HARVESTING AND DOCUMENTING THE RECHECK

3

Begin the recheck harvest in the rows next to the first harvest, continuing the pattern until **1.25 acres or more** has been harvested.

4

The yield worksheet – rows on the header platform and the length of each pass – must be recorded by the supervisor and **signed by both supervisors**.

5

Yield worksheets, weigh tickets, and the photo are uploaded and attached to the online harvest entry after manual data entry.

PHOTO REQUIREMENTS

COMPOSING THE VERIFICATION PHOTO

- A 3-ft. sample section of the recheck rows to be harvested – **no outside rows.**
- Ears in the photo must be shucked back. For twin-row corn, both rows must be shucked back.
- Include one diameter of a broken ear next to the 36" parameter to capture kernel depth.
- A 36" length of tape measure may be used if a yardstick is unavailable.
- A straight shot of two supervisors holding either end of a yardstick at corn ear level.
- Cut stalks off above the shucked-back ears.
- Supervisors' faces must be visible.

PHOTO REQUIREMENTS

RECORDING AND SUBMITTING THE PHOTO

1

The supervisor must count and record the number of ears captured in the photo on the Acreage Harvest Worksheet.

2

The photo is submitted as an attachment when submitting the recheck yield online.

REMEMBER

Contact NCGA to report a first-check or recheck yield of 350.0000 bu/ac or greater – and text the photo to **636-675-3562**.

REFERENCE

PHOTO ILLUSTRATION OF THE RECHECK PLOT

Two supervisors, faces visible, holding a 36-inch measure at ear level across the shucked-back rows.



THANK YOU

FOR HELPING OUR MEMBER GROWERS

If you have any questions along the way, please
contact NCGA.

yieldcontest@ncga.com | 636-733-5512

