

North Carolina Wheat Yield Contest Rules

These rules take effect January 1, 2013

OBJECTIVES

- a. To determine which production practices produce the highest wheat yields for a given location.
- b. To give recognition to those growers who do an outstanding job of producing wheat and to their Cooperative Extension agents.

CONTEST OVERSIGHT: The North Carolina wheat yield contest is conducted by the Cooperative Extension Service through the small grain Extension program at North Carolina State University. At the county level, the county Extension director/agent with small grain responsibilities is responsible for overseeing all contest entries. The county Extension director/agent with small grain responsibilities should form a committee of at least three persons who will be responsible for evaluating acreage and settling any differences of opinion regarding the entries. This committee should consist of at least one county agent, and one farmer or business person associated with small grains industries. The third committee member could be a second county agent, county Extension director, another producer, or impartial non-Extension personnel. The county Extension director/agent with small grain responsibilities may also wish to appoint CES personnel from outside their county, or non-CES personnel (e.g., FSA personnel, Vo-Ag teachers, licensed surveyors, NCDA agronomists) to assist growers in entering the contest, but in such a case, the local director is still responsible for, and must sign, the entry. This makes it possible for county directors, in regions where small grains responsibilities have not been assigned, to find impartial and responsible personnel to assist growers in entering the contest.

WHO IS ELIGIBLE TO ENTER: Any person who produces wheat in North Carolina.

REQUIREMENTS

- a. **Production Records** - A record of production practices will be required on the entry form furnished by the Small Grains Extension program (available at: <http://www.smallgrains.ncsu.edu/Contest/ContestEntryForm.pdf>).
- b. **Acreage** - The harvested area must be located entirely in North Carolina and be from 3 or more continuous acres with **four straight sides**. Entries with only 3 sides, or with 5 or more sides will be disqualified. **All four sides of the acreage must be measured** in either feet and inches (with a tape or measuring wheel), or in chains and links. Measuring with a GPS is not allowed. When the field is similar in shape to a square or rectangle a good area estimate can generally be made from the dimensions of the four sides. However, if the field is irregularly shaped, estimating the area using only the length of the four sides will generally overestimate the area. **In such a case, a diagonal** may also be measured to divide the field into two triangles for which the area can be correctly determined. Measuring a diagonal is optional but will result in the best area estimate that generally results in a higher yield estimate for the entry.

Official land areas will be computed at the Small Grains Extension Office. **If an entry is being made for an irregularly shaped field**, making an on-the-site estimate of the land area can help to prevent choosing a field that is too small. In such a case, all four sides and a diagonal should be measured.

- c. **Yield Measurements** - The County Extension Director/Agent with small grains responsibilities or their appointee will a) help and be responsible for the measurement of each field, b) will help submit all information required on the entry form, and c) check to make sure trucks and combines are empty and clean before harvesting and weighing. Report the weight of the harvested wheat on certified public scales, the percent moisture of the harvested grain, and the test weight. Official yields will be computed at the NCSU extension office after correcting moisture to 13.5%.
- d. **Deadline for Entry – Entries can be made in TWO ways:**
 - a. Entry forms may be hand delivered: In this case they must be received in the Small Grains office no later than July 7th at 5:00 PM.
 - b. Entry forms can be mailed by 1st class US mail, UPS, or FedExed to: Wheat Yield Contest, c/o Dr. Randy Weisz, 2409 Williams Hall, Box 7620, N.C. State University, Raleigh, N.C. 27695-7620. If sent by mail the entry must be post marked no later than July 7th at midnight.

THERE WILL BE NO EXCEPTIONS MADE FOR LATE ENTRIES FOR ANY REASON! Field Faculty who want to make sure that their entries have been received should send them early and follow up with a phone call in plenty of time to send them again in case they were lost.

AWARDS: Individual growers may submit as many entries into the contest as they wish. However, only the entry with the highest yield will be eligible for an award. For example:

- if John Doe makes two entries from his farm in Wilson County and a third entry from a second farm he has in Greene County, only the single entry with the highest yield will be used in the competition.

- if Bill Smith makes an entry from his farm, and a second entry is received from "Smith Brothers" (one of whom is Bill), only the entry with the highest yield will be used in the competition even if these are from two different farms.

From the pool of eligible entries the top three yielding entries from each region will be determined resulting in 9 award winners as follows:

1st Place State-Wide Winner – The entry with the highest state-wide yield will receive a large plaque and \$175.

2nd Place State-Wide Winner – The entry with the 2nd highest state-wide yield will receive a medium plaque and \$150.

3rd Place State-Wide Winner – The entry with the 3rd highest state-wide yield will receive a medium plaque and \$100.

The remaining six award winning entries will each receive one of the following:

1st Place Regional Winner – a small plaque and \$75.

2nd Place Regional Winner – a small plaque and \$50.

3rd Place Regional Winner – a small plaque and \$25.

GRAND PRIZE: The nine award winners will each be eligible for the grand prize awarded by the North Carolina Small Grain Growers Association. One of these 9 winners will be selected at random to win a trip for two to the commodity classic with all expenses paid (up to a maximum of \$2,500).

COUNTY AGENT AWARD: The county Extension agents responsible for the 9 winning entries will each receive a plaque, and one of these Extension agents will be selected at random to win a trip for two to the commodity classic with all expenses paid (up to a maximum of \$2,500) courtesy of the North Carolina Small Grain Growers Association.

100 BUSHEL CLUB AWARDS: All growers that harvest 100 or more bushels per acre will receive a plaque welcoming them into the 100 Bushel Per Acre Wheat Producers Club of North Carolina.

STATE COMMITTEE: The state committee will have authority to make decisions on any points of contention that may occur during the contest. Irregularities that do not conform to the requirements and objectives of this contest will be just cause for disqualification. The decision of the state committee will be final.

EQUATIONS USED: The following equations are used by the small grains office. They are given here for your reference.

Area of a Triangle: Given a Triangle with sides A, B, and C: Let $S = (A + B + C)/2$. Then the area of the triangle is given by:

$$Area = \sqrt{[S \times (S - A) \times (S - B) \times (S - C)]}$$

Conversion of Chains to Feet: $Feet = Chains \times 66$

Yield in Bushels per Acre: $Yield_{Bu/ac} = PoundsHarvested \div LandArea_{acres} \div 60$

Yield Adjusted To 13.5 % Moisture: $AdjustedYield_{Bu/ac} = Yield_{Bu/ac} \times (100 - Moisture) \div 86.5$