

UCCE Rice Yield Contest

Entry & Harvest Rules

Purpose

The purpose of the California Rice Yield Contest is to provide an opportunity for rice producers and UC scientists to share information about intensive rice production in California and to recognize individuals who have achieved the highest yields in the state.

Organization

The California Rice Yield Contest is run and operated by the University of California Cooperative Extension. If you have any questions please call Bruce Linqvist (530 752-3125), Whitney Brim-DeForest (530 822-7515) or Luis Espino (530 458-0578). Entry form, Rules and Harvest forms can all be viewed and downloaded from http://rice.ucanr.edu/Rice_Yield_Contest/.

Entry Rules

Contestant Entrant Functions and Qualifications

- Entrants must be at least eighteen (18) years of age or older at the time of entry.
- Entrants will only receive one award.
- Multiple entries from one person, family or farming operation are acceptable. Each entry must be on a separate Entry Form.
- The entrant is responsible for getting us the Entry form on time. In 2017 this will be August 30 (Annual Rice Field Day). Completed forms can be sent by:
 - mailing (or dropping off) to the UCCE office:
Rice Experiment Station
Attention: Ray Stogsdill (University of California Cooperative Extension)
P.O. Box 306
Biggs, CA 95917
 - drop off at Yield Contest booth at Rice Field Day
 - emailing completed form to Bruce Linqvist at balinqvist@ucdavis.edu
 - texting completed form to (530) 902-2943.
- The entrant agrees to provide information on crop management (see Harvest Form).

Competition Regions

- It is likely that yield potential varies by region within the valley. To help ensure growers are competing on a level playing field we have divided the Sacramento Region into 3 regions relative to the Sacramento River and Highway 20.

- Region 1: West of Sacramento River and North of Highway 20
- Region 2: East of Sacramento River and North of Highway 20
- Region 3: South of Highway 20

Contest Field

- The land entered in the contest must be owned or leased and farmed by the entrant.
- Contest entry must be in a field at least 20 continuous acres in size, may be larger. Contestants will select any 10 acre continuous portion within the field as the contest entry portion. The 10 acre portion cannot be divided by a levee and must be able to be harvested in straight rows.
- Field must be planted to a commercially available medium grain variety.

Entrant Selection

Contests are conducted under the supervision of two supervisors (see below). If the number of available supervisors is limited it may be necessary to limit the number of contestants. This will be done by:

- If an entrant has entered multiple field entries within the same region, we will limit that contestant to a single entry.
- Remaining entrants will be selected at random.

Supervisor Functions and Qualifications

- The supervisors are responsible for overseeing all computations and field measurements and must be present during harvesting, weighing, moisture testing and reporting.
- A supervisor or assistant cannot be related to the contestant, be a chemical dealer, sell seed, or be an employee, employer, manager or consultant of the contestant or of his/her farm.
- Only supervisors meeting one or more of the following qualifications will be approved
 - FFA advisors
 - Vocational Agricultural Instructor
 - County farm advisor or assistant
 - Natural Resources Conservation Service (NRCS) employees
 - College of agriculture instructor
 - Staff Research Associates (SRA) from universities
 - College students (seniors or graduate students studying agriculture)
 - Rice Experiment Station employees
 - Anyone who is retired from one of these positions

Supervisors cannot be the following:

- Anyone that has a financial or direct business tie to a company that sells agribusiness supplies (chemicals, seed, farm equipment, etc).
- The contestant entrant or an employee or relative of the contestant entrant

Harvest Rules

Harvest Report Forms

- The contest entry must be harvested in accordance with the harvest procedures set forth below
- The first part of the Harvest Report Form must be filled out by the entrant before harvest.
- It is the responsibility of the entrant to see that their Harvest Report Form is properly completed.

Review of Field Requirements

- From a field of 20 or more acres in size, the entrant shall select a plot of 10 or more acres of rice, of which no part has been harvested. The contest area must be in one contiguous block of rice.
- Entrants and supervisors are responsible for giving accurate row lengths, header width and total area harvested.
- A total of 3 or more acres must be harvested with a combine harvester from the contest plot.
- The combine will harvest a strip from within the plot. At the end of the plot, the combine will return (going opposite direction and skipping two combine harvest lengths). This will continue until at least 3 acres have been harvested AND there is enough grain in the trailer(s) to accurately sample at the drier. In the case of lodged rice, the combine may harvest all rows going the same direction. All harvest rows must be straight.

The Supervisors are responsible for:

- Being present during the complete time of harvest, weighing (gross and tare) and moisture testing.
- Bringing measurement tools (wheel and tape) and GPS to the harvest location.
- Taking all field measurements
- Completing all calculations.
- Checking combine, wagons, trailers, bankouts or trucks to make certain they are empty.

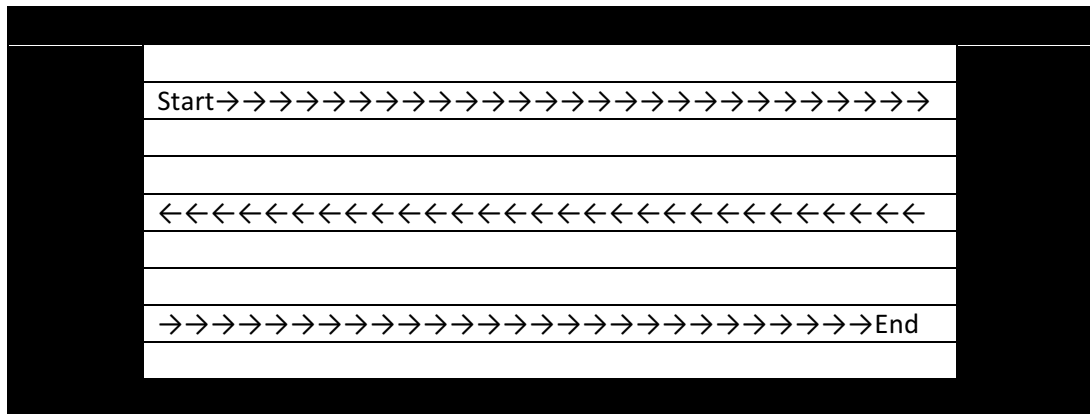
The Entrant is responsible for:

- Filling out the Entry form on time
- Filling out questions 1 to 17 on the Harvest Form before the harvest date.
- Providing a 1 week "heads up" as to when the entry plot will be harvested
- Confirming the day before that the entry plot will be harvested and provide an approximate time as to when harvesting can begin. Harvesting, grain weighing and moisture sampling all must be completed on the same day; therefore harvesting a test plot must begin before 1 pm.
- Before arrival of supervisor, have the area around the entry plot harvested and make sure the entrant plot is at least 10 acres in size.
- Have combines, bankouts, trailers and trucks empty before beginning the test.
- Contest trailer must be visible from the contest plot and not be close to other trailers.

- Identifying a certified warehouse beforehand that will weigh and take grain moisture samples.
- Establish a separate lot # for the yield contest plot and a separate lot # for rest of field.
- Provide copy of CalAgri grade certificate for both Contest plot and full field.

Initial Check

- Within a field of at least 20 acres, a portion of at least 10 ac in size (this is the entry portion) must be identified. The entry portion of the field must all be within the same basin and roughly rectangular in shape. The ends and sides of the entry plot area must be harvested in order that the supervisor can easily identify the entry portion. This is most easily accomplished by harvesting around the entry. This must be done before starting a supervised harvest and preferably before the supervisor arrives.
- All ending and turning rows must be harvested before starting initial check. The entrant selects the location of the first pass; however the supervisor needs to agree that by using the first pass there will be enough area for all passes. At least two (2) combine widths are required between passes. When harvesting multiple passes the combine will run in alternate directions with each pass. An exception to this may be made if there is severe lodging. All combine passes must be straight and parallel to one another.
- The diagram below indicates the harvest pattern which each row representing the width of the combine. The entrant does not have to complete the harvest of all rows but they must have harvested at least 3 acres. The unharvested rice area will be used for the recheck if required by the guidelines below.



Recheck

- A recheck is required if initial check yields exceed 125 cwt/acre (does not include dockage deduction).
- A recheck requires at least one of the initial supervisors being present as well as an additional approved supervisor. It is also possible to have two new supervisors.

- A recheck requires 3 acres or more to be harvested AND there is enough grain in the trailer(s) to accurately sample at the drier next to the rows in the completed first check. The harvest must use the same harvest pattern as the initial.
- Both the initial and recheck yields must be sent to UCCE. The yield resulting from the required recheck will be considered the official yield if the first check was harvested according to the requirements

Area Measurements

- Measurements will require a wheel for length of combine passes and a tape for width of combine. Wheels cannot be used from a vehicle. Each measurement must be recorded on the Harvest Form. All measurements of width, length and area should be to tenth (0.1) of a foot. Acres will be reported to 4 decimal places.
- Length: Measure the length of each combine pass row and record on Harvest Report Form. Do this even if the length of rows appear to be similar. This measurement is to be taken down the center of each harvest row.
- Width: Measure the width of the combine header using a tape measure. Make sure to accurately measure the harvesting width. Verify this width by measuring the width of the harvested row. This only needs to be done once.

Calculating acres harvested

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

Example:

Length: Three rows harvested being 2309.6 ft, 2308.2 ft, and 1669.0 ft for a total of 6286.8 ft.

Width: 22 ft

Harvested area: 6286.8 ft X 22 ft ÷ 43560 ft² = 3.1752 ac

Total row length (ft) needed to equal 3 acres for varying combine header widths (ft).

| Combine width (ft) | Length required (ft) | Combine width (ft) | Length required (ft) |
|--------------------|----------------------|--------------------|----------------------|
| 15 | 8712 | 23 | 5682 |
| 16 | 8168 | 24 | 5445 |
| 17 | 7687 | 25 | 5227 |
| 18 | 7260 | 26 | 5026 |
| 19 | 6878 | 27 | 4840 |
| 20 | 6534 | 28 | 4667 |
| 21 | 6223 | 29 | 4506 |
| 22 | 5940 | 30 | 4356 |

Weighing

The rice should be weighed as soon as possible after harvesting. The supervisor will accompany the harvested rice to the weigh station. All rice must be weighed at a certified warehouse with the supervisor(s) overseeing. The yield from this contest plot will have its own lot #. Original

weight ticket (no photocopies) must be attached to the Harvest Form Report. It must have the name of the company where the weighing was done and the name of the person doing the weighing. Supervisors MUST initial weigh tickets to show that they were present at the time of weighing. If a recheck is necessary, use the same lot # as the previous.

Moisture Determination

Sampling and taking a moisture sample needs to be done as soon after weighing as possible. An experienced person must make a moisture determination of a representative sample of the rice.

Calculating yield for purposes of a recheck

All calculations are to be carried out to four decimal places. Yield is calculated by the weight of the harvested rice, corrected to 14% moisture, and then dividing by the acres harvested to get pounds per acre.

Example:

39124 pounds of rice at 19.5% moisture from 3.1752 acres with a lot dockage of 0.77%.

The pounds of rice corrected to 14% moisture:

$$39124 \text{ lb} \times ((100\% - 19.5\%) \div (100\% - 14\%)) = 36621.8838 \text{ lb.}$$

Pounds of rice (at 14% moisture) per acre

$$36621.8838 \text{ lb} \div 3.1752 \text{ ac} = 11533.7251 \text{ lb/acre (115.3373 cwt). (NOTE: This would not require a recheck as it is less than 12,000 lb/ac or 120 cwt)}$$

Calculating final yields

Final yields will be determined based on the percent moisture, the CalAgri grade certificate for that lot according to the following formula.

$$\text{Final yield (lb/ac)} \text{ ______} = \text{Yield (lb/ac)} \text{ ______} - [\text{Yield (lb/ac)} \text{ ______} * \text{dockage(\%)/100} \text{ ______}]$$

Contest Awards

Awards will be awarded to the first place winners from each region.

Each entrant can only win one award. If an entrant enters more than one field in a county and more than one place as a winner or runner up, a trophy will only be awarded for the highest yielding field.

Winning growers will be recognized at the following winter grower meetings. Awards will be presented at the following Rice Field Day.