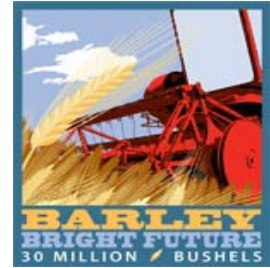


BARLEY BIN BUILDER YIELD CONTEST



2009 KENTUCKY BARLEY YIELD CHALLENGE HARVEST REPORT FORM



Attach weight ticket and field map.

THIS FORM AND THE ACCOMPANYING MANAGEMENT INFORMATION FORM MUST BE RETURNED BY JULY 15, 2009 TO QUALIFY FOR THE CONTEST.

Note: You must have this form completed by a contest supervisor who must be one of the following: Vocational Ag Instructor, State or Private College agricultural staff person, County Agent, Nutrient Management Specialist, NRCS staff person, FSA staff person, representative of Production Credit association or Farmers Home Administration, Federal Land Bank fieldman, agricultural loan officer at local bank or a person retired from one of these occupations.

The supervisor may not be a relative, employee or manager of the contestant or represent any product used in the contest field. The supervisor must be present during harvest to make all field measurements and computations to oversee the weight and moisture testing and report the results.

Please Print

1. Name of Grower

Name of Farm

Address

Phone ()

City

State

Zip

email:

2. Location of Contest Field:

3. Entry Class: Barley

4. Size of contest field in acres (Must be at least 10 continuous acres)

5. Size of the harvested area within the contest field, computed to two decimal places (from item 7 on this form). Harvested Area must be at least 3 continuous acres.

6. Yield (bu./acre from item 8 or 9 on the back of this form)

7. Map of contest field showing harvested area: (draw a map of the field or attach a current aerial map with the field marked).

FIELD MEASUREMENTS
(Diagram of area harvested)

A steel or fiberglass tape can be used to measure distances. Measuring wheels are permitted that have large wheels and non-slip surfaces. The supervisor must verify the accuracy of the wheel under field conditions by checking the wheel against a tape.

$$\frac{\text{length (ft)} \times \text{width (ft.)}}{\text{sq ft.}} = \frac{\text{sq.ft}}{43,560} = \text{acres}$$

harvested. (Copy the number of acres harvest to line 5 of this form).

Harvested area may also be determined by handheld GPS units.

8. Barley Entry Yield, bu./acres dry basis (see below) _____

Yield determination: Prior to harvest, the supervisor should verify that the combine grain tank is empty by having the operator run unloading auger for one minute. The supervisor must be present during all harvest and weighing. All wagons or trucks must be checked to make certain they are empty.

The grain obtained from the harvest area can be weighed on a certified scale. Alternatively, a weigh wagon can be used to measure yield. The accuracy of the weigh wagon should be verified by the supervisor weighing one or two people with a reasonably known weight standing on the weigh wagon at several places. Another alternative is to use "truck scales" under each wheel or weigh point. The supervisor must operate and record the weights obtained. In all cases, a sample of the grain shall be taken to a certified grain buying station for moisture and test weight determination. All barley yields determined to be in excess of 120 bu/acre shall be verified by weighing on an official scale. Yield must be corrected for moisture content by subtracting the average moisture from 100% then multiplying that number by the total pounds of barley harvested. Divide that sum by 41.0 (lb. of dry barley in 1 bu.). Divide corrected bushels by acres to get bushels per acre. PLEASE SHOW YIELD CALCULATIONS BELOW

Example: a 5-acre barley contest field yielded 25,200 lbs. of 15% moisture barley.

$$100\% - 15\% \text{ (moisture)} = 85\% \text{ (.85} \times 25,200 \text{ lbs.} = 21,420\text{lbs.)}$$

$$21,420 \text{ lb.} \div 41.0 \text{ lbs} = 522.44 \text{ bu.}$$

$$522.44 \text{ bu.} \div 5 \text{ acres} = 104.49 \text{ bu./acre}$$

YOUR BARLEY YIELD CALCULATIONS _____

_____ acres harvested yielded _____ lbs of barley at _____ % moisture.

100% - _____ % (moisture in barley) = _____ % x _____ lbs. = _____ lbs

_____ lbs. ÷ 41.0 lbs = _____ bushels.

_____ bushels ÷ _____ acres harvested = _____ bu/acre contest yield.

(Copy the calculated yield to line 6 on the front of the form)

SUPERVISOR
Please Print

Name _____ Title _____
Road _____ Phone _____
City _____ State _____ Zip _____

I, the undersigned supervised the harvesting procedure of this contest field as described in the rules and regulations of the 2008 Kentucky Barley Yield Challenge and find this report to be complete and accurate.

Signature of Supervisor _____ Signature of Contestant _____

2009 Kentucky Barley Yield Challenge Management Information

Please Print - Failure to complete this form may cause entrant to be disqualified.

Contest class entered _____ Barley

1. Planting Date: _____ Harvest Date: _____

2. Variety: _____

3. Certified Seed: _____ Yes _____ No

4. Seed Treatment: _____ Yes _____ No

What Treatment? _____

5. Seeding Rate: _____ (Please indicate unit of measure used below)
_____ lb/acre _____ seeds/acre _____ seeds/row foot

6. Row Width: _____

7. Do you have tramlines? _____ Yes _____ No

8. Previous Crop: _____ 9. Soil Type: _____

10. Tillage System (check one): _____ No-til _____ Minimum Till _____ Conventional Till

11. Check type and indicate number of field operations performed since last crop was harvested.

Moldboard plow _____	Light Disk _____	Stalk Shredder _____
Chisel _____	Field Cultivator _____	Rotary Mower _____
Off-Set Disk _____	Other _____	

(please specify)

12. Fertilizer (applied since last crop): Please attach a copy of a recent soil sample from this field and tissue sample result if samples were taken.

Date	Method*	Analysis	N**	P ₂ O ₅ **	K ₂ O**	Trace Elements (specify)

* Broadcast or Stream, Etc.

**Rate in Actual lbs/acre

13. Manure (lb/acre) within last 18 months, include application date

14. Herbicides		

Product Name	Rate/Acre	Date Applied
15. Insecticides		
Product Name	Rate/Acre	Date Applied
16. Fungicides		
Product Name	Rate/Acre	Date Applied
17. Growth Regulator		
Product Name	Rate/Acre	Date Applied
18. Other Applied Inputs		
Product Name	Rate/Acre	Date Applied

19. Please describe any unique machinery modifications or production practices used on the contest field:

This Harvest Report Form, weight tickets and the management information should be mailed within 14 days of harvest to: Dr. Chad Lee, University of Kentucky, Plant Science Building, 1405 Veterans Drive (Office 423) Lexington, Kentucky 40546-0312 cdlee2@uky.edu

The entry must be received by July 15, 2009. If you have any questions, contact Dr. Chad Lee at (859) 257-3203 cdlee2@uky.edu.

2009 Kentucky Barley Yield Challenge Contest Rules

1. CONTEST CLASSES

Winners will be selected from qualifying barley yield entries. Three (3) state awards will be given.

2. CONTEST QUALIFICATIONS

The entrant must be at least 18 years old and be actively engaged in wheat production. The entrant agrees to provide a record of all production practices, including number and type of tillage operations, the amount and grade of fertilizer used, the type of seed used along with the date and rate of planting, the rate and application of insecticides, herbicides, fungicides and growth regulators.

Each barley yield contest entry shall submit a barley sample for testing of protein, starch, oil, ash and fiber content. Samples can be collected in a pint size freezer bag and submitted with the entry application.

3. FIELD QUALIFICATIONS

The contest field must be 10 or more continuous acres in size. A minimum of three or more continuous acres from within the contest field must be harvested as the actual contest entry. This harvested area must be at least one combine - swath from the edge of the field, must have four straight sides and must be measured by the contest supervisor. Note: Measure all 4 sides with a tape or calibrated measuring wheel or the total with handheld GPS. The unit can be used to calculate the total area.

The contest field must be owned or leased by the contestant.

4. CONTEST SUPERVISORS

The entrant must contact and request that a qualified supervisor be present at harvest to record the harvest report. This supervisor must make all field measurements and oversee the weighing, moisture testing and determination of test weight. **The supervisor must be present during the entire harvest, weighing and computations to assure that the combine and truck are empty when harvest of the plot begins.**

Supervisors must be from the following list:

County extension agent
Vocational agricultural instructor
State or private college agricultural staff person
Farmers Home Administration representative
Production Credit Association representative
NRCS staff person
FSA staff person
Federal Land Bank field person
Bank Ag loan officer
Or a retired individual from one of these occupations

The supervisor may not be a relative, employee, employer or farm manager of the contestant. They also may not be a company representative of any product or service used in the contest field. Supervisors must complete and sign the Harvest Report Form. The entrant must then sign and mail the form to the Yield Committee.

5. JUDGING

Winning entries will be selected according to a harvested yield. In the event of a tie, the contestant harvesting and reporting the largest contest area will be the winner. The grain obtained from the harvest area can be weighed on a certified scale. Alternatively, a weigh wagon can be used to measure yields. The supervisor weighing one or two people with a reasonably known weight standing on the weigh wagon at several places should verify the accuracy of the weigh wagon. Another alternative is to use "truck scales" under each wheel or weigh point. The supervisor must operate and record the weights obtained. In all cases, a sample of the grain shall be taken to a certified grain buying station for moisture and test weight determination. **All barley yields determined to be in excess of 120 bu/acre shall be further verified by weighing on an official scale.**

6. **CONTEST AWARDS**

Plaques and cash will be presented to first, second, and third place winners. More than one entry can be submitted from a farm operation as long as the entries are materially different in production practices and entered by different people. There can be no more than two winning entries from one farm operation.

1st Prize	Kentucky	\$1,000
2nd Prize	Kentucky	\$ 750
3rd Prize	Kentucky	\$ 500

Kentucky Statewide winners will be determined based on the highest submitted yield, regardless of area contest results. Prizes in the statewide category may be in addition to prizes in the area (multi-state) category. All cash awards are sponsored by Osage Bio Energy, LLC. Validation of entry forms will be monitored by the University of Kentucky.

Awards will also be determined for multi-state (area) winners. The states in the area barley contest include Kentucky, Virginia, Delaware, Maryland, North Carolina and South Carolina. Area awards will be announced Thursday, Aug. 6 at the Virginia Ag Expo in King William County VA. Winners of the Area awards will be notified prior to the Virginia Ag Expo and must be present at the Virginia Ag Expo to receive Area awards.

7. **DEADLINES**

A Harvest Form and Management Information Form must be completed and postmarked to Yield Committee no later than **July 15, 2009**. The harvest forms can be obtained from the local Extension office and agribusinesses.

NOTE: All entries will be judged by Yield Committee.

All entries become the property of Yield Committee.
All decisions of Yield Committee are final.

8. **CONTEST SPONSORED BY:**

Contact representatives of any of the sponsors for copies of this information and/or the Harvest form.

Kentucky Cooperative Extension Service
Osage Bio Energy, LLC

9. **For further information about contest specifics, contact Dr. Chad Lee at cdlee2@uky.edu or Bill Scruggs, Osage Bio Energy at bill.scruggs@osagebioenergy.com**