

# 2018 VIRGINIA BARLEY YIELD CHALLENGE HARVEST REPORT FORM

*Attach weight ticket and field map. Entrants must be members of the  
Virginia Grain Producers Association*

**THIS FORM AND THE ACCOMPANYING MANAGEMENT INFORMATION FORM MUST BE  
RETURNED BY JULY 13, 2018 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; 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. \_\_\_\_\_ length (ft) X \_\_\_\_\_ width (ft.)

= \_\_\_\_\_ sq ft. \_\_\_\_\_ sq.ft.43,560 \_\_\_\_\_ =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 weighting 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: 1, 5-acre barley contest field yielded 25,200 lbs. of 15% moisture barley.

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

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

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

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 this number to line 6 on the front of the form.) \_\_\_\_\_

**SUPERVISOR**  
**Please Print**

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ 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 Virginia Barley Yield Challenge and find this report to be complete and accurate.

Signature of Supervisor \_\_\_\_\_ Signature of Contestant \_\_\_\_\_

**Entrants must be members of the Virginia Grain Producers Association. A check for \$75.00 for one year membership or \$200.00 for three year membership may be included with the entry form. Membership applications may be downloaded at [www.VirginiaGrains.com/Membership](http://www.VirginiaGrains.com/Membership)**

## 2018 Virginia 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

This entry **must** be from certified seed to qualify for cash prizes.

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**	K**	Trace Elements (specify)

\* Broadcast or Stream, Etc.

\*\*Rate in Actual lb/acre

13. Manure (lb/acre)

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:

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**This Harvest Report Form, weight tickets and the management information should be mailed within 14 days of harvest to:**

**Wade Thomason, Virginia Tech, 422 Smyth Hall (0403) Blacksburg, VA 24061.**

**The entry must be received by July 13, 2018. If you have any questions, contact Wade Thomason: 540-231-2988 or at [wthomaso@vt.edu](mailto:wthomaso@vt.edu)**

**Entrants must be members of the Virginia Grain Producers Association. Membership applications available at [www.VirginiaGrains.com/Membership](http://www.VirginiaGrains.com/Membership)**

## 2018 Virginia Barley Yield Challenge Contest Rules

### 1. CONTEST CLASSES

Winners will be selected from qualifying barley yield entries.

**Only certified seed or seed purchased from:**

**Eddie Mercer Agri-Services, Inc.  
Renwood Farms  
Southern States  
Virginia Crop Improvement Foundation Seeds**

that is readily available to the public can be used in the contest.

**All entrants must be members of the Virginia Grain Producers Association.**

### 2. CONTEST QUALIFICATIONS

The entrant must be a member of the Virginia Grain Producers Association. The entrant must be at least 18 years old and be actively engaged in small grain 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.

### 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. The prize money is provided by

the seed companies. **Note: To qualify for these prizes, the entry must be from a field planted with certified seed or seed purchased from a seed company listed in item 1. Proof of seed purchase must be provided.**

### **Statewide**

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**1st Prize        \$700**

**2nd Prize        \$500**

**3rd Prize        \$300**

7. **DEADLINES**

A Harvest Form and Management Information Form must be completed and postmarked to Yield Committee no later than **July 13, 2018**. 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.

**Eddie Mercer Agri-Services, Inc.**

**Renwood Farms**

**Southern States**

**Virginia Crop Improvement Foundation Seeds**

9. For further information about contest specifics, contact Wade Thomason (540-553-1776, wthomaso@vt.edu).

**All entrants must be members of the Virginia Grain Producers Association**