

**2019 Kentucky Soybean Production Contest**



University of Kentucky  
College of Agriculture,  
Food and Environment  
Cooperative Extension Service

<b>Committee Use Only</b>	State Entry #: _____
Official Yield: _____	Oil: _____ Protein: _____

**FORM A**

**Agronomic Data Form\***

1. Farm Name \_\_\_\_\_ Contact Name \_\_\_\_\_

2. Address: (Route/Street/Hwy. No.) \_\_\_\_\_

(City, State) \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone: Area Code (\_\_\_\_) \_\_\_\_\_ County \_\_\_\_\_

3. **Division Entered** (check):  Division I (Single-Crop)  Non-Irrigated  
 Division II (Double-Crop)  Irrigated

4. **Quality Contest Entered** (check):  Yes  No

1. **Planting Information: Planting Date** \_\_\_\_\_ **Harvest Date** \_\_\_\_\_

**Soybean Brand/Variety** \_\_\_\_\_

**Herbicide Tolerance Technology:** (check all that apply)

Roundup Ready 2 Yield  Roundup Ready 2 Xtend  GT27  
 DuPont STS  Liberty Link  BOLT  Enlist

**Seed Treatment:**  Yes  No  
 Product (if used) \_\_\_\_\_

**Seed Inoculated:**  Yes  No  
 Product (if used) \_\_\_\_\_

**Row Width** (inches) \_\_\_\_\_

**In-Furrow Treatment:**  Yes  No  
 Product (if used) \_\_\_\_\_

**Planting Rate** \_\_\_\_\_  
 (seeds/acre)

**Previous Year's Crop** (if Division I) \_\_\_\_\_  
**Previous Winter Crop** (if Division II) \_\_\_\_\_

2. **Fertility Program:** \_\_\_\_\_ Pounds Per Acre Applied to Soybean Crop

N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_ Manure \_\_\_\_\_ Other \_\_\_\_\_

6. **Weed Control:** Herbicides Used

a. Preemergence Applied \_\_\_\_\_

b. Postemergence Applied \_\_\_\_\_

7. **Insect Control:**  
Foliar Insecticide used:  Yes  No  
 Product (if used) \_\_\_\_\_

8. **Disease Control:**  
Foliar Fungicide used:  Yes  No  
 Product (if used) \_\_\_\_\_

• **Soil Preparation and Tillage:** Circle if No-Till

	Fall	Spring	No. Times	
_____ Disc	_____	_____	_____	Describe other: _____
_____ Chisel	_____	_____	_____	
_____ Plow	_____	_____	_____	
_____ Other	_____	_____	_____	

10. **Other Products Used:** \_\_\_\_\_

**\* Forms A, B, & C Must Be ENTIRELY Completed and Submitted on Time to be eligible for awards.**



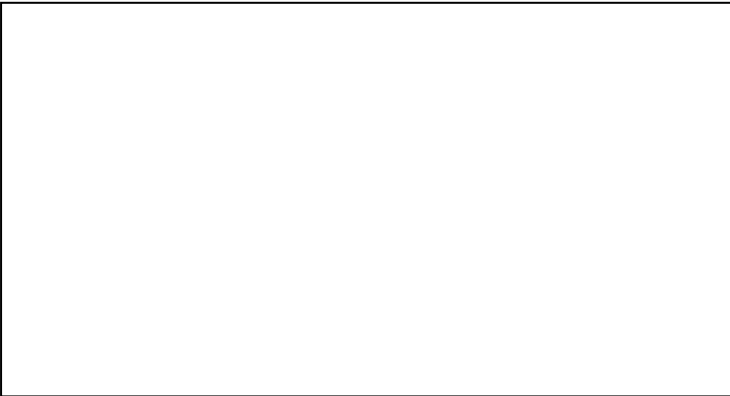
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# 2019 Kentucky Soybean Production Contest

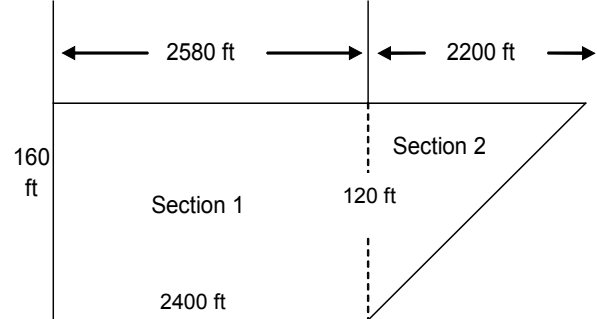
## FORM B Soybean Field Diagram

Farm Name \_\_\_\_\_ County \_\_\_\_\_

Draw a Diagram of the Soybean Field & harvested area. Include all measurements of the harvested area.



*Example:*



For irregularly shaped fields calculate the area of the largest possible rectangle. The remaining area(s) can be calculated as area of triangles.

For decimal point, from numbers 1-4 leave number and for number 5-9, round-up.

Example:                    4.10941 – round to 4.1094  
(with 4 decimals)        4.10947 – round to 4.1095

### CALCULATION OF YIELD

Area of Rectangles:

_____	Section _____	Length (ft.) X _____	Width (ft.)	=	_____ ft <sup>2</sup>
_____	Section _____	Length (ft.) X _____	Width (ft.)	=	_____ ft <sup>2</sup>
_____	Section _____	Length (ft.) X _____	Width (ft.)	=	_____ ft <sup>2</sup>
	4 decimals		4 decimals		4 decimals

Area of Triangles:

_____	Section _____	Height (ft.) X _____	Width (ft.) X 0.5	=	_____ ft <sup>2</sup>
_____	Section _____	Height (ft.) X _____	Width (ft.) X 0.5	=	_____ ft <sup>2</sup>
_____	Section _____	Height (ft.) X _____	Width (ft.) X 0.5	=	_____ ft <sup>2</sup>
	4 decimals		4 decimals		4 decimals

Total Area:

\_\_\_\_\_ Total ft<sup>2</sup>     ÷   43,560 ft<sup>2</sup>   =   \_\_\_\_\_ Acres  
3 decimals

### EXAMPLE

Area of Rectangles:

_____	1 Section _____	Length (ft.) X _____	Width (ft.)	=	_____ ft <sup>2</sup>
	$\frac{2580+2400}{2}$		$\frac{160+120}{2}$		348,600
	4 decimals		4 decimals		4 decimals

Area of Triangles:

_____	2 Section _____	Height (ft.) X _____	Width (ft.) X 0.5	=	_____ ft <sup>2</sup>
	120		2200		132,000
	4 decimals		4 decimals		4 decimals

Total Area:

\_\_\_\_\_ 480,600 Total ft<sup>2</sup>     ÷   43,560 ft<sup>2</sup>   =   \_\_\_\_\_ Acres  
3 decimals

**2019 Kentucky Soybean Production Contest  
FORM C  
Harvest Report –Yield Certification**

Farm Name \_\_\_\_\_ County \_\_\_\_\_ Quality Entry Number \_\_\_\_\_

**Calculation of YIELD at 13% grain moisture:**

Calculate Bushels of Soybeans at 13% Grain Moisture

**lbs. soybeans** =  $\frac{\quad}{60} = \frac{\quad}{60}$  = \_\_\_\_\_ bushels  
(4 decimals)

Calculate Grain Moisture Correction Factor (CF)

CF =  $\frac{(100 - \text{actual grain moisture})}{(100-13)}$  =  $\frac{100 - 87}{87}$  = \_\_\_\_\_  
(4 decimals)

\_\_\_\_\_ bushels x CF \_\_\_\_\_ = \_\_\_\_\_ bu (4 decimals) = \_\_\_\_\_ bu/A  
(4 decimals) (4 decimals) A (3 decimals) (2 decimals)

**EXAMPLE**

(Calculate Grain Moisture Correction Factor (CF))

CF =  $\frac{(100 - \text{actual grain moisture})}{(100-13)}$  =  $\frac{100 - 13.3}{87}$  =  $\frac{0.9966}{(4 \text{ decimals})}$

Calculate Bushels per of Soybeans at 13% Grain Moisture

**lbs. soybeans** =  $\frac{49,595}{60} = \frac{826.5833}{(4 \text{ decimals})}$  bushels

$\frac{826.5833}{(4 \text{ decimals})}$  bushels x CF  $\frac{0.9966}{(4 \text{ decimals})}$  =  $\frac{823.7730}{11.033}$  bu (4 decimals) =  $\frac{74.66}{(2 \text{ decimals})}$  bu/A  
A (3 decimals)

**ATTACH WEIGH  
TICKET HERE**

**CERTIFICATION:** I certify that the data submitted on this form is accurate and in accordance with the 2019 Kentucky Soybean Production Contest rules.

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Chairman, County Soybean Contest Committee

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Person who supervised harvest procedure

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Second supervisor for "100 or 80 bu Club" Entries

Send Completed Forms to:  
**Dr. Carrie Knott  
UKREC  
1205 Hopkinsville St  
P.O. Box 469  
Princeton, KY 42445**

**Harvest Re-Check Report**

Entries equal to or greater than **100 bu/A** for Division I (full-season crop) or **80 bu/A** for Division II (double-crop) entries must have a re-check **if only one supervisor is present**. The re-check must be at least **2 acres** in the same field as the initial entry. Re-check must be measured, harvested, weighed, moisture tested and calculated for yield as outlined above. An average of the initial entry and the re-check will constitute the official contest yield. Re-checks are NOT necessary if two supervisors are present and independently verify the entry.

**Map of Re-Check**

Include entire field and proximity to initial yield plot.

Area:

\_\_\_\_\_ Length (ft.) X \_\_\_\_\_ Width (ft.) = \_\_\_\_\_ ft<sup>2</sup>  
 \_\_\_\_\_ Length (ft.) X \_\_\_\_\_ Width (ft.) = \_\_\_\_\_ ft<sup>2</sup>  
 \_\_\_\_\_ Length (ft.) X \_\_\_\_\_ Width (ft.) x 0.5 = \_\_\_\_\_ ft<sup>2</sup>  
 4 decimals 4 decimals 4 decimals

\_\_\_\_\_ Total ft<sup>2</sup> ÷ 43,560 ft<sup>2</sup> = \_\_\_\_\_ Acres  
3 decimals

**RE-CHECK CERTIFICATION:**

I certify that the data submitted on this form is accurate and in accordance with the 2019 Ky Soybean Production Contest rules.

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Chairman, County Soybean Contest Committee

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Person who supervised harvest procedure

Yield:

$\frac{\quad}{60} = \frac{\quad}{(4 \text{ decimals})} \times \frac{(100 - \quad)}{87} = \frac{\quad}{(4 \text{ decimals})}$  bu ÷ \_\_\_\_\_ A  
= \_\_\_\_\_ bu/A

**ATTACH RE-CHECK  
WEIGH TICKET**



# 2019 Kentucky Soybean Production Contest

## CONTEST CATEGORIES, RULES and AWARDS

### OBJECTIVES:

The Kentucky Soybean Production Contest was organized to: (1) recognize producers who achieve high soybean yields and superior quality soybeans (oil and protein), (2) document production practices used in the contest, and (3) promote the use of sound cultural practices to increase soybean profitability.

### SPONSORS:

The contest is sponsored by the University of Kentucky Cooperative Extension Service, the Kentucky Soybean Association with support from the Kentucky Soybean Promotion Board, and participating Agribusinesses related to soybean production.

### CONTEST CATEGORIES:

The soybean production contest is divided into two contest categories:

- 1) **Soybean Yield Contest**
- 2) **Soybean Quality Contest** (oil and protein)

## SOYBEAN YIELD CONTEST

### ELIGIBILITY:

Any producer (owner-operator, tenant, or tenant-landlord) who produces ten (10) acres or more of soybeans in Kentucky is eligible to enter. A producer may make more than one yield entry per Division, **if the entries are from different fields**. A producer with more than one entry will be eligible for only one award in each Division. There are no restrictions on management practices.

### FIELD REQUIREMENTS:

A contest field must be at least ten (10) continuous acres. **A minimum of three (3) acres** must be harvested from this area. Field measurement and yield determination must be made under the supervision of a county committee representative (See Field Measurement and Yield Determination rules and remarks).

### FIELD MEASUREMENTS:

The field or portion of a field entered (a minimum of three acres or 130,680 square feet) **must be one continuous area** and **preferably with four straight sides** (*irregular shapes cause problems with yield determination*) unless the entire field is included in the harvested area. In measuring, plot width will be measured from the first harvested row on the left to the first unharvested row on the right (to assure the inclusion of the equivalent of one-half the average row width beyond the outside harvested row on each side). The measurements will be made by an approved supervisor. All measurements must be with a steel or fiberglass tape, or measuring wheel **and recorded in feet**. Record each measurement on the field map diagram on Form B. **If a whole field** is harvested and entered in the contest (and due to the irregular shapes and dimensions of whole fields), the acreage determination for the whole field will be accepted from the County FSA Office as determined from official USDA aerial photographs. A letter from the County FSA Office verifying the whole field acreage must accompany the entry.



## 2019 Kentucky Soybean Production Contest

### **YIELD DETERMINATION:**

1. At least one member of the County Soybean Contest Committee **must be present** to supervise measuring, harvesting and weighing of the yield for each entry. If a 100 bushel Division I or 80 bushel Division II entry is suspected, it is encouraged that **TWO supervisors be present**. If only one supervisor is present a re-check will be required.
2. Before the soybean contest area is harvested, the person supervising the harvest must ensure the entrant has emptied the combine so no soybeans have been left in it and that the wagons and/or trucks in which the contest yield will be weighed are empty.
3. Harvested soybeans must be weighed on a certified scale. A **weigh ticket must be attached** to the completed entry form and signed by the person doing the weighing. A representative sample must be taken immediately for determining moisture content.
4. Yields will be calculated on the basis of No. 1 soybeans and will consist of the weight of harvested soybeans, corrected to 13% moisture, and converted to bushels per acre. Percent moisture should be determined by a local elevator operator or take an average of 3 moisture samples. Foreign matter does not need to be determined.

### **YIELD CONTEST DEADLINE:**

Completed entries (Forms A, B C, and a valid weigh ticket) must be received by the State Soybean Contest Committee **on or before December 1, 2019**. Make copies of each entry for your own records.

### **SUPERVISORS:**

The County Soybean Contest Committee will be under the direction of the County Agent for Agriculture who can approve all supervisors. Supervisors should be representatives of agricultural agencies. This committee should select a chairman for the purpose of certifying Form C (usually the County Agriculture Agent).

The County Committee will determine: (1) that the acreage planted meets the minimum requirements, (2) the yield entry has been produced within the specifications of the contest rules, (3) the weights are made on certified scales, (4) a representative sample is drawn for moisture, (5) all field measurements and yield computations are accurate, and (6) the final results of all applicants are certified and sent to the Chairman of the State Committee.

Counties are responsible for encouraging soybean growers to enter the state contest.

### **STATE COMMITTEE:**

The State Soybean Contest Committee will consist of the following:

- Two Grain Crops Extension Specialists, University of Kentucky
- Executive Director of Kentucky Soybean Association
- One County Agricultural Extension Agent

The State Contest Committee shall have the authority to arbitrate any point of contention that might develop in the administration of this program and their decision will be final. They may make any changes in awards for the contest deemed necessary as dictated by funds.

Any irregularities in regard to the requirements of the program as outlined will be just cause for disqualification.

## 2019 Kentucky Soybean Production Contest

### **YIELD CONTEST AWARDS:**

Awards are sponsored by the Kentucky Soybean Association, Kentucky Soybean Promotion Board and participating soybean agribusinesses. (Kentucky Soybean Promotion Board and Kentucky Soybean Association board members may enter the Soybean Production Contest but are **NOT** eligible for any cash award.) Winners will be announced and awards presented at the 2020 annual Kentucky Commodity Conference. **Cash awards** may be adjusted due to available funding and **will be presented only to those winners who attend the Awards Banquet**. The Kentucky Soybean Promotion Board will provide lodging for all producer winners attending the Awards Banquet and also a 1-year membership in the Kentucky Soybean Association.

### **A. STATE YIELD AWARDS:**

1. **State Champion:** Highest Yield Per Acre in State regardless of Division  
A **traveling trophy** has been donated by the Kentucky Soybean Association for the **State Champion**. Each year the winner's name will be engraved on it and will be displayed for one year in that winner's County Extension office.
2. **Division I: Single-Crop Soybeans**  
**Non-Irrigated**  
Champion ..... Plaque and \$1,000 cash award.  
Second Place ..... Plaque and \$500 cash award.  
**Irrigated**  
Champion ..... Plaque and \$1,000 cash award.  
Second Place ..... Plaque and \$500 cash award.
3. **Division II: Double-Crop Soybeans**  
**Non-Irrigated**  
Champion ..... Plaque and \$1,000 cash award.  
Second Place ..... Plaque and \$500 cash award.  
**Irrigated**  
Champion ..... Plaque and \$1,000 cash award.  
Second Place ..... Plaque and \$500 cash award.

- B. AREA YIELD AWARDS:** State award winners will not receive area awards. The producer with the highest yield per acre (regardless of Division and not a state award winner) in each of the four (4) areas listed below will receive a plaque and a \$100 cash award. Cash awards may be adjusted due to available funds.

- Area 1 – Purchase and Pennyrite Areas
- Area 2 – Green River Area
- Area 3 – Mammoth Cave Area
- Area 4 –Rest of State

### **C. YIELD CERTIFICATES:**

1. Each participant with a yield of 70, 80 or 90 bushels per acre or more will receive a special certificate for high yield achievement.
2. Participation Certificates are given to entries that yield less than 70 bushels per acre.

## 2019 Kentucky Soybean Production Contest

### D. SUPERVISOR INCENTIVE AWARDS (Soybean Yield Contest):

Awards will be presented to Supervisors to recognize their achievements and to encourage submission of entries in the State Soybean Yield Contest. Awards will be determined annually based on funding availability provided by KSPB. (Supervisors that serve on the Kentucky Soybean Association may submit entries to the Soybean Production Contest but are **NOT** eligible for cash awards.)

- 1) **Supervisor of State Champion:** **\$250 cash award**
- 2) **Supervisor Award:** **Plaque and \$250 cash award**  
The Supervisor who submits the highest average yield for the top 3 entries.
- 3) **Supervisors with most entries:** **\$500 cash award**  
In the event of a tie, the award will be divided equally among supervisors.
- 4) **Supervisors with 3 or more entries:** **\$100 cash award**  
Supervisors with 3 or more entries and **did not receive** any other award. If more than 10 supervisors meet this criteria, the award money will be prorated to not exceed more than an overall total of \$1,000.

### **KENTUCKY 120 BUSHEL CLUB**

The "Kentucky 120 Bushel Club" will provide incentive for Kentucky soybean producers to document 120 bushel per acre soybean yields in the state. The first Kentucky Soybean Production Contest entry that documents a 120 bu/A yield (or higher) will receive a **\$2,500 cash award** and two jackets embroidered with "KY 120 Bushel Club".

If more than one entry documents a 120 bu/A double-crop soybean yield (or higher) the producer with the highest yield will receive the cash award.

Every 120 bu/A (or higher) entry will receive two embroidered "KY 120 Bushel Club" jackets.

### **KENTUCKY DOUBLE-CROP 100 BUSHEL CLUB**

The "Kentucky Double-Crop 100 Bushel Club" will provide incentive for Kentucky double-crop soybean producers to document 100 bushel per acre soybean yields in the state. The first Kentucky Soybean Production Contest entry to document a 100 bu/A yield (or higher) for double-crop soybean crop will receive a **\$2,500 cash award** and two jackets embroidered with "KY Double-Crop 100 Bushel Club".

If more than one entry documents a 100 bu/A double-crop soybean yield (or higher) the producer with the highest yield will receive the cash award.

Every 100 bu/A (or higher) double-crop entry will receive two embroidered "KY Double-Crop 100 Bushel Club" jackets.



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### **KENTUCKY 100 BUSHEL CLUB**

All Kentucky Soybean Production Contest entries that document 100 to 119 bu/A will receive two jackets embroidered with “KY 100 Bushel Club”.

### **KENTUCKY DOUBLE-CROP 80 BUSHEL CLUB**

All Kentucky Double-Crop Soybean Production Contest entries that document 80 to 99 bu/A will receive two jackets embroidered with “KY Double-Crop 80 Bushel Club”.

## **SOYBEAN QUALITY CONTEST**

### **ELIGIBILITY:**

The Soybean Quality Contest is optional to enter. **However**, a producer **must enter** the Soybean Yield Contest in order to enter the Soybean Quality Contest. No soybean quality entries will be accepted if that producer entry did not also enter the Soybean Yield Contest.

### **COLLECTING PROCEDURE:**

- 1) The sample for soybean quality (% oil and % protein) must be taken from the soybeans that were harvested for the Soybean Yield Contest.
- 2) **A one pound sample is needed for testing.** Collecting a volume of at least three 8 oz. cups (24 oz. total volume) should ensure that enough soybeans have been collected for the needed one pound sample.

### **SOYBEAN QUALITY SAMPLE IDENTIFICATION:**

- 1) Soybean quality samples need to be properly identified by producer name when collected to avoid mis-identification, particularly if multi-samples are collected from a county.
- 2) **See Form D** (attached) for explanation of using identification codes when samples are submitted for testing.

### **SUBMITTING SOYBEAN QUALITY SAMPLES:**

- 1) Soybean quality samples are to be submitted in **heavier (freezer type) zip-lock plastic bags** (~ one quart size should be more than sufficient).
- 2) A **one pound sample** from the soybeans collected for each entry is required.
- 3) **Filling the zip-lock plastic bag with 3 cups of soybeans is equivalent to ~ one pound.**
- 4) Make sure the zip-lock plastic bag (when filled) is securely sealed.
- 5) If the soybean quality sample collected has a high initial moisture content, it may be best to air dry the sample before enclosing it in the zip-lock plastic bag.

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- 6) For each sample, write **(with permanent magic marker)** the county identification code on the zip-lock plastic quality sample bag that corresponds to the ID code for that entry from Form C.

### **INFORMATION CONCERNING FORM D:**

- 1) Form D **must be filled out** by each county and **included** with the soybean quality samples when they are sent to the KSA office.
- 2) Make two additional copies of completed Form D before it is sent to the KSA office.
  - Keep a copy for your own records.
  - **Include a copy of Form D** when you submit your completed Yield Contest entry forms (Forms A, B & C) to the State Contest Committee.

### **WHERE TO SEND SOYBEAN QUALITY SAMPLES:**

Send the soybean quality samples to the KSA office. All samples received by the deadline date will then be shipped to the University of Minnesota to be tested for % oil and % protein content. The cost for testing each sample will be paid by the Kentucky Soybean Promotion Board.

Send soybean quality samples (including Form D) to: **Kentucky Soybean Association  
1000 US Highway 62 West  
P.O. Box 30  
Princeton, KY 42445**

### **SOYBEAN QUALITY CONTEST DEADLINE:**

Soybean quality samples (including Form D) must be at the KSA office no later than **November 27, 2019**. Soybean quality samples received after that date will not be accepted or submitted for quality testing. The earlier deadline for the Soybean Quality Contest is to ensure that tests are completed and results received in time to allow finalization of the 2019 Kentucky Soybean Production Contest.

### **SOYBEAN QUALITY TEST RESULTS:**

- 1) The soybean quality test results (% oil and % protein) when completed by the University of Minnesota will be sent to the KSA office. Because of time constraints, **the KSA office will send the soybean quality data directly to the State Soybean Contest Committee** (c/o Carrie Knott) for summarization and finalization of awards.

### **SOYBEAN QUALITY CONTEST AWARDS:**

The awards are sponsored by the Kentucky Soybean Association, Kentucky Soybean Promotion Board and participating soybean agribusinesses. (Kentucky Soybean Promotion Board and Kentucky Soybean Association board members may enter the Soybean Quality Contest but are **NOT** eligible for any cash award.) Winners will be announced and awards given at the 2020 annual Kentucky Commodity Conference. The Kentucky Soybean Promotion Board will provide lodging for all producer winners attending the Awards Banquet and also a 1-year membership in the Soybean Association. Monetary awards are provided by the Kentucky Soybean Promotion Board.

**Four soybean quality awards** will be presented: 1) The two highest % oil content in the state; 2) The two highest % protein content in the state. In the event of a tie, yield (total pounds of oil or protein per acre) will be used as the tie-breaker for each soybean quality award. A producer with more than one quality entry will be eligible for only one award for % oil and one award for % protein.

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### **STATE SOYBEAN QUALITY AWARDS:**

#### **1. Highest % Oil Content:**

- a. First Place in State ..... Plaque and \$500 cash award.
- b. Second Place in State ..... Plaque and \$250 cash award.

#### **2. Highest % Protein Content:**

- a. First Place in State ..... Plaque and \$500 cash award.
- b. Second Place in State ..... Plaque and \$250 cash award.