

**2017 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\***

- Farm Name \_\_\_\_\_ Contact Name \_\_\_\_\_
- Address: (Route/Street/Hwy. No.) \_\_\_\_\_  
(City, State) \_\_\_\_\_ Zip Code \_\_\_\_\_  
Telephone: Area Code (\_\_\_\_) \_\_\_\_\_ County \_\_\_\_\_
- Division Entered** (check):  Division I (Single-Crop)  Non-Irrigated  
 Division II (Double-Crop)  Irrigated
- Quality Contest Entered** (check):  Yes  No

- Planting Information: Planting Date** \_\_\_\_\_ **Harvest Date** \_\_\_\_\_

**Soybean Variety** \_\_\_\_\_

**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) \_\_\_\_\_

- 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 \_\_\_\_\_

- Weed Control:** Herbicides Used  
a. Preemergence Applied \_\_\_\_\_  
b. Postemergence Applied \_\_\_\_\_

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

- Disease Control:**  
Foliar fungicide used:  Yes  No  
Product (if used) \_\_\_\_\_

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

	<u>Fall</u>	<u>Spring</u>	<u>No. Times</u>	
_____ Disc	_____	_____	_____	Describe other: _____
_____ Chisel	_____	_____	_____	
_____ Plow	_____	_____	_____	
_____ Other	_____	_____	_____	

- Other Products Used:** \_\_\_\_\_

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



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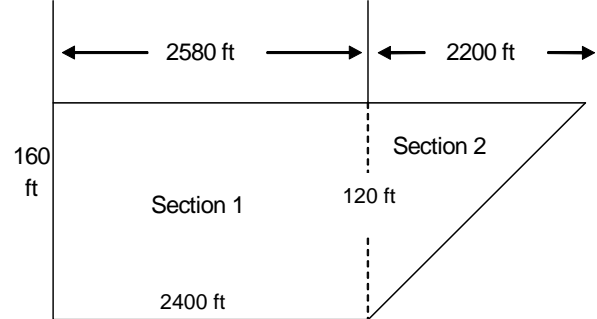
# 2017 Kentucky Soybean Production Contest

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

Area of Triangles:

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

Total Area:

\_\_\_\_\_ 480,600 Total ft<sup>2</sup>     ÷   43,560 ft<sup>2</sup>   =   \_\_\_\_\_ 11.033 Acres  
3 decimals

**2017 Kentucky Soybean Production Contest  
FORM C  
Harvest Report – Certification of Yield**

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

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

Calculate Bushels of Soybeans at 13% Grain Moisture

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

Calculate Grain Moisture Correction Factor (CF)

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

$\frac{\text{_____}}{60}$  bushels x CF  $\frac{\text{_____}}{87}$  = \_\_\_\_\_ bu (4 decimals) = \_\_\_\_\_ bu/A  
(4 decimals) (4 decimals) A (3 decimals) (2 decimals)

**EXAMPLE**

(Calculate Grain Moisture Correction Factor (CF))

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

Calculate Bushels per of Soybeans at 13% Grain Moisture

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

$\frac{826.5833}{60}$  bushels x CF  $\frac{0.9966}{87}$  =  $\frac{823.7730}{11.033}$  bu (4 decimals) =  $\frac{74.66}{11.033}$  bu/A  
(4 decimals) (4 decimals) A (3 decimals) (2 decimals)

**ATTACH WEIGH  
TICKET HERE**

**CERTIFICATION:** I certify that the data submitted on this form is accurate and in accordance with the 2017 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.

**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 2017 Ky Soybean Production Contest rules.

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

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

Yield:

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

**ATTACH RE-CHECK  
WEIGH TICKET**



# 2017 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 the County Agent for Agriculture or designated person(s). 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.



## 2017 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 public 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, 2017**. Make copies of each entry for your own records.

### **COUNTY COMMITTEE:**

The County Soybean Contest Committee will be under the direction of the County Agent for Agriculture who can appoint other committee members. Other county committee members 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 public 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.

## 2017 Kentucky Soybean Production Contest

### **YIELD CONTEST AWARDS:**

Awards are sponsored by the Kentucky Soybean Association, Kentucky Soybean Promotion Board and participating soybean agribusinesses under the supervision of the University of Kentucky Cooperative Extension Service. (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 2018 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 Soybean Association.

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

1. **State Champion:** Highest Yield Per Acre in State (Division I or II) ..... Up to \$2000 will be provided by the KSPB for travel, lodging, and registration expenses for the Commodity Classic Annual Meeting, a plaque, and a \$1,000 cash award.  
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 (Not State Champion)**  
**Non-Irrigated**  
First Place Highest Yield Per Acre ..... Plaque and \$750 cash award.  
Second Place Highest Yield Per Acre ... Plaque and \$400 cash award.  
**Irrigated**  
First Place Highest Yield Per Acre ..... Plaque and \$750 cash award.  
Second Place Highest Yield Per Acre ... Plaque and \$400 cash award.
3. **Division II: Double-Crop Soybeans (Not State Champion)**  
**Non-Irrigated**  
First Place Highest Yield Per Acre ..... Plaque and \$750 cash award.  
Second Place Highest Yield Per Acre ... Plaque and \$400 cash award.  
**Irrigated**  
First Place Highest Yield Per Acre ..... Plaque and \$750 cash award.  
Second Place Highest Yield Per Acre ... Plaque and \$400 cash award.

- B. AREA YIELD AWARDS:** State award winners will not receive district 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

## 2017 Kentucky Soybean Production Contest

### 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.

### D. EXTENSION AGENT INCENTIVE AWARDS (Soybean Yield Contest):

Awards will be presented to County Agricultural Extension Agents in several categories to recognize their achievements and to encourage submission of entries in the State Soybean Yield Contest. Awards (categories and monetary amounts) will be determined annually based on funding availability provided by KSPB. (County Agricultural Extension Agents that serve on the Kentucky Soybean Association may submit entries to the Soybean Production Contest but are **NOT** eligible for any cash award.)

- 1) **Agent with State Champion:** **\$250 cash award**
- 2) **Agricultural Agent Award:** **Plaque and \$250 cash award**  
The Agricultural Extension Agent who submits completed entries having the highest average yield for the top 3 entries from different fields or farms in their county.
- 3) **Agent with most entries:** **\$500 cash award**  
Only completed entries (Form A, Form B and a valid weigh ticket) will count for this category. In the event of a tie, the cash award will be divided equally among those agricultural extension agents.
- 4) **Agents with 3 or more entries from their county:** **\$100 cash award**  
Any Agricultural Extension Agent who has 3 or more completed entries submitted from their county (**and who did not receive** one of the other three agent state awards listed above) will receive up to a \$100 cash award. If more than 10 agents meet this criteria, the award money will be prorated to not exceed more than an overall total of \$1,000.

## KENTUCKY 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) will receive a **\$3,000 cash award**, two jackets embroidered with "KY 100 Bushel Club", and be asked to speak at the *Intensive Soybean Management* workshops in February 2018.

If more than one entry documents a 100 bu/A or higher yield, the entry with the highest yield will receive the cash award.

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



## 2017 Kentucky Soybean Production Contest

# KENTUCKY DOUBLE-CROP 80 BUSHEL CLUB

The “Kentucky Double-Crop 80 Bushel Club” will provide incentive for Kentucky double-crop soybean producers to document 80 bushel per acre soybean yields in the state. The first Kentucky Soybean Production Contest entry to document a 80 bu/A yield (or higher) for double-crop soybean crop will receive a **\$1,500 cash award**, two jackets embroidered with “KY Double-Crop 80 Bushel Club” and be asked to speak at the *Intensive Soybean Management* workshops in February 2018.

If more than one entry documents a 80 bu/A double-crop soybean yield (or higher) the producer with the highest yield will receive the cash award.

Every 80 bu/A (or higher) double-crop entry will receive two embroidered “KY Double-Crop 80 Bushel Club” jackets.

## 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.
- 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.

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### **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  
1001 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 22, 2017**. 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 2017 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.
- 2) The KSA office will also send the soybean quality test results to the ANR agent in each county that submitted entries. The ANR agent is expected to provide the quality test results to each producer in their county who entered the Soybean Quality Contest.  
**Reminder:** the ANR Agent does not need to submit the results of the soybean quality tests to the State Soybean Contest Committee (read #1 above).

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

The awards are sponsored by the Kentucky Soybean Association, Kentucky Soybean Promotion Board and participating soybean agribusinesses under the supervision of the University of Kentucky Cooperative Extension Service. (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 2017 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.

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**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.

### **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.