

2016 Kentucky Soybean Production Contest



Committee Use Only	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) Quality Contest
 Division II (Double-Crop) Yes No

1. **Planting Information: Planting Date** _____ **Harvest Date** _____

Soybean Variety _____ **Irrigated:** Yes ___ No ___

Seed Treatment used: Yes No **Seed Inoculated:** Yes No
 Product (if used) _____ Product (if used) _____

Row Width (inches) _____ **In-Furrow Treatment:** Yes No
 Product (if used) _____

Planting Rate _____ **Previous Year's Crop** (if Division I) _____
 (seeds/acre) **Previous Winter Crop** (if Division II) _____

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

N _____ P₂O₅ _____ K₂O _____ 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) _____

9. **Soil Preparation and Tillage:** Circle if No-Till
 _____ Fall _____ Spring _____ No. Times _____
 _____ Disc _____
 _____ Chisel _____
 _____ Plow _____ Describe other: _____
 _____ Other _____

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

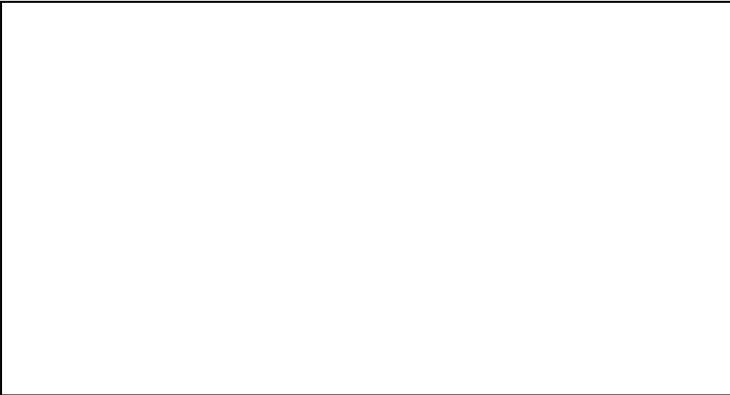


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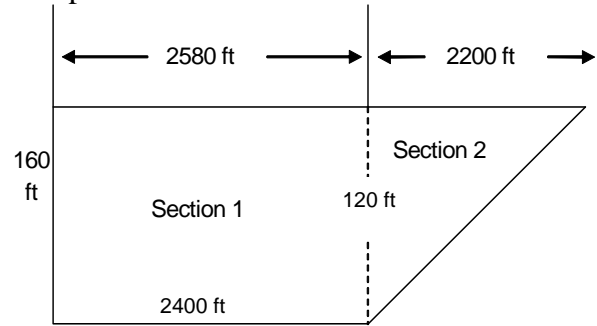
**2016 Kentucky Soybean Production Contest
FORM B
Soybean Field Diagram**

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 ²
_____	Section	_____	Length (ft.)	X	_____	Width (ft.)	=	_____	ft ²
_____	Section	_____	Length (ft.)	X	_____	Width (ft.)	=	_____	ft ²
		4 decimals			4 decimals			4 decimals	

Area of Triangles:

_____	Section	_____	Height (ft.)	X	_____	Width (ft.)	X 0.5	=	_____	ft ²
_____	Section	_____	Height (ft.)	X	_____	Width (ft.)	X 0.5	=	_____	ft ²
_____	Section	_____	Height (ft.)	X	_____	Width (ft.)	X 0.5	=	_____	ft ²
		4 decimals			4 decimals				4 decimals	

Total Area:

_____ Total ft² ÷ 43,560 ft² = _____ Acres
3 decimals

EXAMPLE

Area of Rectangles:

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

Area of Triangles:

_____	2 Section	$\frac{120}{2}$	Height (ft.)	X	$\frac{2200}{2}$	Width (ft.)	X 0.5	=	<u>132,000</u>	ft ²
		4 decimals			4 decimals			4 decimals		

Total Area:

480,600 Total ft² ÷ 43,560 ft² = 11.033 Acres
3 decimals

**2016 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 = $\frac{(100 - \text{actual grain moisture})}{(100-13)}$ = $\frac{100 - 87}{87}$ = _____
(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 = $\frac{(100 - \text{actual grain moisture})}{(100-13)}$ = $\frac{100 - 13.3}{87}$ = $\frac{0.9966}{87}$
(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 2016 Kentucky Soybean Production Contest rules.

Signed _____ Date _____
Chairman, County Soybean Contest Committee

Signed _____ Date _____
Person who supervised harvest procedure

Signed _____ Date _____
Second supervisor for 100/80 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.) = _____ ft²
 _____ Length (ft.) X _____ Width (ft.) = _____ ft²
 _____ Length (ft.) X _____ Width (ft.) x 0.5 = _____ ft²
 4 decimals 4 decimals 4 decimals

_____ Total ft² ÷ 43,560 ft² = _____ Acres
3 decimals

RE-CHECK CERTIFICATION:

I certify that the data submitted on this form is accurate and in accordance with the 2016 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)
 = _____ bu/A

**ATTACH RE-CHECK
WEIGH TICKET**

**2016 Kentucky Soybean Production Contest
FORM D
Soybean Quality Contest**

This form must be completed and submitted with the soybean quality samples that are sent to the KSA office to be tested for protein and oil content.

COUNTY: _____ (Place county name above) _____ (ANR Agent name)

List below: The Entry name and a county identification code for each sample submitted.

Producer/Farm Entry name as appears on Yield contest forms (A & B)	Identification Code** (County + number)	(Do not fill in – State Committee Use Only)	
		% Oil	% Protein
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____

**** Important:** Each sample submitted must contain a county identification code (consisting of the county name plus a number). This is particularly important for multiple samples submitted from a county (or producer) to ensure correct identification. Example: multiple samples from Union County would be coded as: Union-1, Union-2, Union-3, etc.

- 1) **For each sample make sure the County ID code written on Form D is also written (permanent magic marker) on the corresponding plastic sample bag for that entry.**
- 2) **Include a copy of Form D** (That was sent to the KSA office) when you submit your completed Yield Contest entry forms (Forms A, B & C).
- 3) **Also write the County ID code on Form C** (Harvest Report-Certification of Yield form) for those yield contest entries that also entered the Soybean Quality Contest.



2016 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**
 - a. 100 Bushel Club
 - b. 80 Bushel Club
- 2) **Soybean Quality Contest** (oil and protein)

SOYBEAN YIELD CONTEST

YIELD CONTEST DIVISIONS:

The soybean yield contest will be divided into two Divisions:

Division I) Single-Crop Soybeans

Division II) Double-Crop Soybeans: Defined as soybeans planted after a preceding winter crop of small grains or canola that was harvested for grain.

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.



2016 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.
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, 2016**. 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:

3. Two Grain Crops Extension Specialists, University of Kentucky
4. Executive Director of Kentucky Soybean Association
5. 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.

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 2017 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.

2016 Kentucky Soybean Production Contest

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)**
 - a. First Place Highest Yield Per Acre Plaque and \$750 cash award.
 - b. Second Place Highest Yield Per Acre Plaque and \$400 cash award.
3. **Division II: Double-Crop Soybeans (Not State Champion)**
 - a. First Place Highest Yield Per Acre Plaque and \$750 cash award.
 - b. 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

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 bu/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 from their county \$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 completed entries from their county \$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 who submit 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.

2016 Kentucky Soybean Production Contest

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 2017.

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.

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 2017.

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.

2016 Kentucky Soybean Production Contest

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.

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 23, 2016**. 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 2016 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.

2016 Kentucky Soybean Production Contest

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.