Agronomy

Event Rules

All members participating in this Career Development Event must meet the eligibility requirements and adhere to the rules of the Kentucky FFA Association as outlined in the Rules Governing FFA Activities document.

Number of members on a team: Four (All four scores count for team score)

Official Dress Appropriate: No

Regional Event: None

State Event: Kentucky State Fair

EQUIPMENT

Equipment provided by student:

- #2 Pencil
- Non-Graphing Calculator
- Clipboard
- Magnifying Glass (for insect identification component only)

Upon checking in for the event, participants will receive a scantron sheet to use. An example is provided on www.kyffa.org.

This event will consist of four components as outlined below. Each participant will have 20-25 minutes to complete each component.

Participants may not handle any of the identification materials used in this event.

CROP AND WEED IDENTIFICATION (150 POINTS)

Participants will identify 30 specimens in live form by plant or seed. The specimens will all be items that are grown in Kentucky. Participants will be provided a list of possible crops and weeds to use during the event.

The list of possible crops and weeds is posted on www.kyffa.org.

GENERAL KNOWLEDGE EXAMINATION (100 POINTS)

Participants will complete an examination consisting of 50 multiple choice questions, worth 2 points each. The references used to prepare the examination are posted on www.kyffa.org.

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INSECT IDENTIFICATION AND FERTILIZER PROBLEM (150 POINTS)

Participants will identify 10 insect specimens. For each insect, the participant must identify:

- The insect (4 points)
- Economic Impact - for the stage of the specimen provided (3 points)
- Mouth Part (3 points)

Participants will be provided with a list of possible insects to use during the event. This list is posted on www.kyffa.org.

For the fertilizer problem, participants will use a provided soil test and fertilizer costs to complete a series of fill in the blank questions. These answers will not be placed onto their scantron. Event officials will score the fertilizer problem and include it in the participant's final score after the event has concluded. An example of a fertilizer problem and corresponding key are available on www.kyffa.org.

IDENTIFICATION OF AGRONOMIC DISORDERS, MACHINERY, OR CROP GRADING (100 POINTS)

This component will consist of either identification of agronomic disorders, machinery identification, or crop grading. The announcement of the focus of this component will be made via email to all teachers by July 15th.

- Agronomic Disorders - Participants will be presented with 10 disorders. Participants will determine the agent causing the disorder (5 points) and what part(s) of the plant that is damaged when this disorder is present (5 points).
- Machinery Identification - Participants will identify 25 different pieces of machinery, each worth 4 points.
- Crop Grading - Participants will rank a set of four crops provided and will submit a set of written reasons defending their placement.

Each item to be identified will be in the form of actual item, modeled scale version, or visual picture.

Participants will be provided with a list of possible agronomic disorders and machinery to be identified for this components. These lists are posted on www.kyffa.org.

References on crop grading are posted on www.kyffa.org.

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Scoring

Possible score for each participant is 500 points, with a possible team score of 2,000 points.

All four team members' scores will count toward the team score.

Teams will be ranked in numerical order on the basis of the final team score.

Individuals will be ranked in numerical order on the basis of the final individual score.

TIEBREAKER

The high scoring individual on a team will be used to break team ties. If the high individual on tied teams should be tied, the second high scorer will be used to break the ties.

Individual ties will be broken by the score of each component, in the following order:

- General Knowledge Examination
- Crop and Weed Identification
- Insect Identification and Fertilizer Problem
- Identification of Agronomic Disorders/Machinery Identification/Crop Grading