

**AGRICULTURE
KNOWLEDGE
CDE**

Maryland FFA Association
Agriculture/Agribusiness Knowledge Contest

The Production Agriculture Bowl will become the Agriculture/Agribusiness Knowledge Contest and will be held during the Maryland State FFA Convention or other time designated by the Board of Directors.

The purpose of this contest is to test a team's knowledge of a broad range of topics relating to production agriculture in the following areas:

- animal production (livestock and poultry included)
- crop production of major agronomic crops
- agribusiness management
- soils, fertilizers, pesticides
- agricultural mechanics

Suggested references:

This contest will utilize references related to concepts related to production agriculture/agriculture. It is the intent to make questions broad natured so that most reference texts would agree upon general content. While other references may be used, the following references are suggested:

- Crop Production: Principles and Practices - Chapman & Carter
- The Nature and Properties of Soils - Brady
- Animal Science - Esminger
- Doane's Farm Management Guide - Doane's
- Agriscience: Fundamentals and Applications - Cooper
- Agricultural Mechanics: Fundamentals and Applications - Cooper
- The Stockman's Handbook - Esminger

The theme of this contest is to test the student's knowledge of fundamentals and basic principles in the above areas. Other references will be considered if they are fundamental in nature.

General:

1. Student contestants must meet the current eligibility requirements for competing in state FFA contests.
2. This is a contest in which a team requiring four students representing a chapter competes. A team must consist of four students from the same chapter.
3. Time allotted to a team's participation is 15 minutes.
4. A computerized test consisting of four sub parts will be administered to the team. One student from the team will be designated to take one of the four sub parts of the test. Each

student team member will take a different sub part of the test. Each of the four sub parts of the test will consist of 30 - 40 questions and three tie breaking questions related to that area. The tie breaking questions may be administered by computer or by paper and pencil.

5. One student should be adequately prepared to take one each of the following test sub parts. The four sub parts of the test are as follows:

- a. Crop production, fertilizers
- b. Animal production
- c. Agribusiness management
- d. Ag mechanics, soils, pesticides

5. Students will be given their portion of the test via a computer testing type program. Questions will be multiple choice, true/false, identification, and/or matching type questions.

Procedure of play:

1. Teams will draw for contest position. Times for the team to participate will be determined and posted. If the complete team of four is not present at the appointed time the team may be disqualified.
2. Instructions for any specifics concerning the computer testing program will be given to the team(s) at an orientation session or at the time the test is administered.
3. The computer testing program will be running. At a signal from the judges, time will begin. The student enters his/her name and begins answering the questions displayed on the computer screen.
4. The judges will call time at the end of the allotted time. Any questions not answered at the end of the expired time will be considered as an incorrect response.

Scoring

1. Each question answered correctly will score one point. The computer software program may develop a printout of student's correct and incorrect responses.
2. The student's individual score will be determined from the correct responses to the test questions taken. A percentage correct will be determined for individual recognition as explained below.
3. The team score will be tallied by summing the student individual scores of the four parts of the test taken by the student members.
4. Ties will be broken by reviewing the responses to the tie breaking questions of each of the four team members. A sudden death approach will be used to break ties, i.e. review responses to

tie breaking question number one of teams members involved. If the tie is not broken, proceed to question number two, etc.

5. The team with the highest score shall be declared the winner.
6. Team placings will be determined for appropriate team recognition.
7. Individual placings shall be determined by the percentage correct on the individual tests (not including tie breaking questions). Individuals shall be recognized as gold, silver, and bronze medal recipients as follows:

95 - 100%	Gold medal
90 - 94.99%	Silver medal
85 - 89.99%	Bronze medal