Trial/Pilot Event

Contact the organizers of your tournament to find out what trial/pilot events will be held.

ADVENTURES IN AG

Division C

DESCRIPTION: Students in this event will be challenged on their knowledge in areas of agricultural engineering, facts about the production of certain farm animals, horticulture, crop identification, national wildlife management, and wood engineering. No portion of this event will allow or require outside resources such as guidebooks, maps, charts, or graphs.

A TEAM OF UP TO: 2

APPRQXIMATE TIME: 45 minutes

THE COMPETITION:

Students will cycle through each of the nine 4-minute stations:

Stations 1.2 - Wood Engineering. Identification of certain types of woods without the use of a guidebook or other resources. Wood types will be cherry, pine, balsa, oak, mahogany, spruce, cedar, redwood, hemlock, fir, or hemfir.

Stations 3.4 - National Wildlife Management. Consists of a quiz on identification of America's endangered species. Students should be able both to identify the species by a picture or description, and to name one state in which this species can be found. Species to know are: Alabama Sturgeon Atlantic Salmon Attwater's Prairie-Chicken Canada Lynx
Grey Wolf Houston Toad
Mexican Wolf Mexican Spotted Owl Peregrine Falcon Piping Plover
Some helpful information about these species can be obtained at httpJ/www.fws.gov/

Station 5 - Horticulture. A multiple-choice 10-question quiz on general knowledge of the following: Tissue Culture Reproductive parts of plants Stages of Photosynthesis Plant uses of today
Plant Cell Parts (golgi bodies, cell wall, cell membrane, nucleus, vacuole, chloroplasts, mitochondria)

Stations 6.7 - Crop Identification. Presents samples or pictures of different grain crops grown in the US. Crops analyzed will be wheat, oat, barley, corn, rye, sorghum, and sunflower. No guidebooks or resources may be used.

Station 8 - Agricultural Engineering. Consists of a 5-question multiple-choice test of engineering skills, and includes general facts and basic problems utilizing vectors. Also, there will be one hypothetical situation or problem in which engineering must be used. Students must choose the best solution out of3 described.

Station 2 - Farm Feeds. Requires the identification of 5 different types of cow and horse feeds with the use of sight, smell, and touch. Samples will be in plastic bags. Students may touch and smell the samples, but not taste or harm samples in any way. Students will be expected to identify the samples with as much specificity as possible. More points will be given to more specific answers. For example, identifying a sample as "barley" may earn 1 point; "malting barley" may earn 2 points. No guidebooks or other resources may be used.

Once students have moved from a station, they may not go back to a previous station, or communicate with students at other stations.

SCORING: Each station will have a pre-determined number of points and a one-minute tiebreaker question will be administered once the time has run out for the last station and used later only if a tie exists. The judges hold the final authority in conflicts about questions or credit.