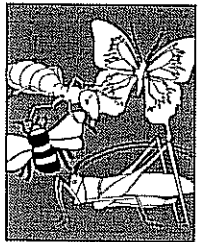


# ENTOMOLOGY



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In all collections look for a balance of different types of insects, size, color, etc. Note the age and experience of the 4-H member. Beginners' collections should have the minimum number of specimens required. More experienced exhibits (advanced collectors) should meet a higher standard advanced collectors may emphasize a special order or collection. Objectives for the 4-H entomology exhibits are to encourage beginning entomologists to remain in the project and to encourage more advanced youth to strive for excellence in their insect studies.

When judging entomology exhibits, refer to the project manuals. All specimens collected should be pinned, labeled and put into a collecting box. The following steps may be helpful in judging:

1. Review basic exhibit requirements
  - A. Size and number of boxes
  - B. Number of insects required for each age group
  - C. Number of insect orders represented
  
2. Check each exhibit or group of exhibits for overall impression and assign tentative ratings. Consider the following points:
  - A. Neatness of collection
    - Proper alignment of rows and columns
    - Consistent orientation of specimens and labels
    - Neatness of lettering
    - Condition of specimens (no broken or missing parts; wings of butterflies and moths should not have holes or be torn and should have good color)
    - Size of display box
    - Inside of display box and top clean
  - B. Attractiveness
    - Specimens in good condition
  - C. Pinning and mounting
    - Placed in neat rows
    - Correct location of pins
    - Heads of the insects toward the rear of the box
    - Sufficient space between specimens
    - Specimens at a uniform height on pins and "square with the world"
    - Small insects mounted straight and at the tips of paper points
    - Moths and butterflies mounted with proper wings spread
    - Paper mounting done correctly
  - D. Labeling
    - Neat and easy to read
    - Print on labels
    - Two labels should be placed on the pin below the insect specimen
    - The top label should state the location (county and state) in which the insect was collected, the collection date and the name of the collector
    - The lower label should show the correct name of the insect
    - Labels should face the proper direction
    - Both labels should be lined up parallel to the length of the body of the insect, with pointed specimens the label should be parallel to the length of the point, the

insect head should be at the left and the label should read from left to right  
Information on the labels should be spelled correctly

E. Correct identification of the specimens to the order

F. Other points

Specimens should not be moldy or infected with insect pests

Collections should be protected from insect pests, small beetles and their larvae

3. Assign points with a total of 100 points possible. Collections may be scored as follows:

Basic requirements                      20 points

Correct identification                    30 points

Labeling                                    15 points

Pinning                                    15 points

Overall neatness                        20 points

4. Determine final placing and assign ribbon

## NATURAL RESOURCE COLLECTIONS

In all collections and displays, look for a balance in them as to the different types of items, size, etc. Note the age and experience of the 4-H member. Beginners' collections should have the minimum number of items required. More experienced exhibits (advance collectors) should meet higher standards. Objectives for the natural resource exhibits are to encourage beginners to continue in the project and to encourage more experienced youth to strive for excellence in their natural resource projects.

When judging natural resource collections and displays, refer to the project manuals. All items should be labeled and mounted properly. The following steps may be helpful in judging:

1. Review the basic exhibit requirements
  - A. Size and number of items required
  - B. Number of different orders represented, such as bark and leaf collections
  
2. Check each exhibit or group of exhibits for overall impression and assign tentative ratings.

Consider the following:

  - A. Neatness of collection
    - Proper alignment of rows, columns, or page
    - Consistent orientation of collection and labels
    - Neatness of the lettering
    - Condition of the collection (no broken or damaged items)
  - B. Attractiveness
    - Collection is in good condition
  - C. Mounting
    - Placed in neat rows
    - Sufficient space between items
  - D. Labeling
    - Neat and easy to read
    - Print on labels
    - Labels should face proper direction
    - Information of the labels should be correctly spelled
  - E. Correct identification of items in the collection
  
3. Assign points with a total of 100 points possible. Collections may be scored as follows:

Basic requirements	20 points
Correct identification	30 points
Labeling	15 points
Overall neatness	15 points
Educational value	20 points
  
4. Determine final placing and assign ribbon