

BUILDING EXHIBITS

Section H: Plant Pathology

GROUP A. GENERAL INSECT COLLECTIONS

Class No.

1. **FIRST YEAR PROJECT EXHIBITS**

- Must include a minimum of 20 specimens representing 5 insect orders.
- Classification need not be taken further than order names.
- Insects should be pinned properly and the wings of all butterflies and moths must be spread.

2. **SECOND YEAR PROJECT EXHIBITS**

- Must include a minimum of 40 specimens representing 9 insect orders.
- Twenty specimens must have been collected during the current year.
- Twenty specimens must also be identified to common name with the name written on a label and pinned separately near the specimen (easily visible) to aid in judging.
- Addition of scientific names is optional in this class.
- Insects should be pinned properly and the wings of all butterflies and moths must be spread and at least one small insect must be mounted on a point or minuten pin.

3. **THIRD YEAR PROJECT EXHIBITS**

- Must include a minimum of 60 specimens representing 12 orders.
- Thirty specimens must have been collected during the current year.
- Thirty specimens must be identified to common name.
- At least 5 specimens (representing at least five families) must be identified to their family.
- Scientific names (genus and species) should be included wherever possible, although insects from some orders will be difficult to identify to this level. Common names should be placed on a separate label pinned near the specimen as in Class No. 2.
- Insects should be pinned properly and the wings of all butterflies and moths must be spread and at least two small insects must be mounted on points or minuten pins.

4. **FOURTH YEAR (AND BEYOND) PROJECT EXHIBITS**

- Must consist of general collections.
- Must include 80 specimens representing at least 12 orders.
- Forty specimens must have been collected during the current year.
- Forty specimens must be identified to common name.
- At least 10 specimens (representing at least 10 families) must be identified to their family. Scientific names should be included wherever possible. Common names should be placed on a separate label, pinned near the specimen as in Class No. 2.
- Proper mounting (pinned properly, wings of Lepidoptera spread, two small insects on points or minuten pins) will be strongly emphasized.

GROUP B. ADVANCED INSECT COLLECTIONS

- For advanced insect collections Riker mounts may also be used.
- Complete collection data should accompany all exhibits (where collected, date, and by whom?); can be placed on back of exhibits as long as the evaluator can tell which label goes with each specimen. If you exchange specimens, label as completely as possible, giving location (country, state or province, nearest town), date collected; name of collector; plus any ecological information available such as plant or insect host, habitat, etc.
- Membership in the Young Entomologist's Society (Y.E.S.) will enable young people to exchange specimens from all over the world.
- Imagination and individuality are encouraged.
- The rules for mounting (as set up for general collections) do not have to be followed, if, by doing so, the advanced collection can be enhanced. The scientific aspects and educational value, appearance, quality and arrangement will be evaluated.
- A completed 3x5 card should contain educational value to you (what you learned) as well as what you see the educational value to others to be.

GROUP C. PHOTO SLIDE COLLECTIONS

Class No.

5. PHOTO SLIDES

- Pictures must be on 2"x2" slides.
- Minimum of 5 slides; maximum of 10.
- Slide subjects must be identified by common or Latin name.

GROUP D. CLUB AND COUNTY EXHIBITS

6. SINGLE COLLECTIONS PREPARED BY THE COMBINED EFFORTS OF A CLUB.

- May be any kind of insect collection or may represent a group activity that can be presented as an exhibit.
- Regional insect collections prepared for eventual donation to a museum may be entered in this class if prepared by more than one person; otherwise these should be entered under Class No. 4.
- Evaluation will be based on number of members and completeness of exhibit.

GROUP E. EXHIBITS OF LIVING INSECTS

7. LIVING INSECT EXHIBIT

- Exhibits must convey an educational message to the public and/or the educational opportunities in 4-H work in the field of Entomology.
- Exhibits are to be arranged by the county 4-H staff and members, and completed by the opening day of the county's time period. Those contemplating Class 8 entries must get approval from the Superintendent of Entomology, Section H.
- Live educational exhibits are encouraged. Possible exhibits include living adult butterflies, butterfly chrysalides from which the adults are emerging, caterpillars, ant farms and aquatic insects in water tanks. Showing of a living exhibit requires that the exhibitor be on hand to care for the needs of his or her "livestock" daily.
- Exhibits will be evaluated on: educational value; appearance; quality; and arrangement.
- Those planning to prepare exhibits should first make arrangements with the 4-H Educator.

8. **ENTOMOLOGY OPEN CLASS**

- Class is an option for exhibits deemed by the County Youth Educator to be worthwhile, but fall outside the categories described above. The decision to bring such exhibits is left to the discretion of the Extension 4-H Educator.

9. **HONEYBEE/APICULTURE EXHIBITS**

- Honey – 1 pound container.
- Bee/Honey products made from Beeswax – Example: candles (at least 2), lip wax, etc.
- Display/Poster – Individual/Group – a series of posters/photos or three dimensional exhibit representing any aspect of Beekeeping. Example: equipment, disease, bee colony management.
- Project Record Book for 4-H Beekeeping Project.
- See Group E for live exhibits. Exhibitor will be responsible for care and supervision of any live exhibit.