

SECTION 016 -- ENTOMOLOGY PROJECTS

***PROJECT RECORD SHEETS REQUIRED FOR YOUTH BUILDING ENTRIES.**

A General Project Record or Cloverbud Project Record and an Exhibit Tag **must** accompany each exhibit entered in the Youth Building. A copy of the General Project Record and Cloverbud Project Record is enclosed in the fair book. Additional copies of the Project Records can be found in past issues of the 4-H Leaders' Digest, our web site at www.cce.cornell.edu/delaware/ or by visiting or calling the 4-H office.

Fair book classes that required a 3" x 5" index card attached to an entry in the past is no longer required. The Project Record Sheet will take the index card's place.

Class No.

- 2301 First Year Project Exhibits must include a minimum of 20 specimens representing 5 insect orders. Classification need not be taken further than order names. Mounting: The wings of all butterflies and moths must be spread.
- 2302 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. Mounting: 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.
- 2303 Third Year Project Exhibit 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 and at least five specimens (representing at least five families) must be identified to 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 and/or scientific names should be placed on a separate level pinned near the specimen as in Class No. 2302. Mounting: The wings of all butterflies and moths must be spread and at least two small insects must be mounted on points of minuten pins.
- 2304 Fourth Year (and beyond) Project Exhibit 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.

- 2305 Fungus Collections must have a minimum of 12 distinctly different kinds of fungi (mushrooms, toadstools or bracket fungi). For full credit the dried collection should contain, spring, summer, and autumn specimens and be labeled in the manner described in the 4-H project material "Fun with Fungi," M-11-5.
 - First year plant disease collections must include a minimum of 15 diseased leaves or stems. Each specimen should be labeled to give the name of the host plant, the name of the disease, if known, and the date and place collected.
 - 2306 Collections of Lichens: At least 5 specimens of foliose type, 5 of fruticose type and 5 of crustose type dried and glued to 3x5 or 4x6 inch file cards with data (state, county, town, city or village, road or street, date collected, collector's name and habitat/ecological information) written on the back of each card, the cards displayed in a Riker mount. Identification to common name, where possible, is encouraged. Specimens should be at least an inch in diameter.
 - 2307 Honey Bee/Apiculture Exhibit:
 - Honey – 1 pound container.
 - Bee/Honey products made from Beeswax– Examples: candles (at least 2), lip wax.
 - Display/Poster – Individual or Group – a series of posters/photos or three dimensional exhibit representing any aspect of Beekeeping. Examples: equipment, disease, bee colony management.
 - Project Record Book for 4-H Beekeeping Project.
- 2307 These exhibits must convey an educational message to the public and/or the educational opportunities in 4-H work in the field of Entomology. Live educational exhibits are encouraged. Possible exhibits including 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.