

Natural Science



Entomology

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Note: Each exhibit piece must be labeled with the member's name, county and class number. All insects must be collected in the current year for Juniors First Year. At least 50% of those displayed by Juniors Second and Third Year, Intermediates and Seniors must have been collected in the current year.

- 821 100 011 Entomology, Junior First Year**, 10 insects, at least 8 orders.
- 821 100 021 Entomology, Junior Second and Third Year**, 20 insects, at least 10 orders.
- 821 100 012 Entomology, Intermediate First Year**, 15 to 35 insects, at least 12 orders.
- 821 100 022 Entomology, Intermediate Second and Third Year**, 35 insects, at least 12 orders.
- 821 100 013 Entomology, Senior First Year**, 25-50 insects, at least 15 orders.
- 821 100 023 Entomology, Senior Second and Third Year**, 50 insects at least 15 orders.

Judging will be based on condition of specimens, mounting, labeling, attractiveness, correct number of specimens, correct identification and educational value of exhibit. Additional information is found in the Entomology Project Manual (4H3221L July 1995). Judging criteria are outlined on the Entomology Exhibit Score Card (40-605), available at the county Extension Office or on the State 4-H website at: <http://oregon.4h.oregonstate.edu/fair-exhibit-and-contest-materials>

Some of the orders have changed in Entomology by combining old orders or making new ones. Be sure to use the current order names for the insects check with the Extension office or go to the State 4-H website at: <http://oregon.4h.oregonstate.edu/natural-science> for the updated "Insect Orders, Meanings, Common Names". **Recommended reference for entomology orders** for labels of specimens, *Borror and DeLong's Introduction to the Study of Insects 7th Edition* written by Charles A. Triplehorn and Norman F. Johnson.

OTHER ENTOMOLOGY EXHIBITS

Note: Each exhibit piece must be labeled with the member's name, county and class number. First year exhibitors in an exhibit category may use insects collected in previous years. Succeeding years exhibits in the same exhibit category must include some insects collected in the current year.

- 821 100 511 Other Entomology Exhibits**, First Year Junior Member, exhibit 10 to 20 different insects in the categories of beneficial insects, harmful insects, insects attracted to lights, soil insects, aquatic insects, forest insects, specialize in an insect order, garden insects, insect plant damage (Riker mount) or other educational display.

Note: Fill in blank in class number () with corresponding number for Junior, Intermediate or Senior.

- 1 Junior** (10 to 20 different insects)
- 2 Intermediate** (15 to 35 different insects)
- 3 Senior** (no more than 50 different insects)

- 821 100 52_ Other Entomology Exhibits**, exhibit in categories of Beneficial insects (e.g., pollinators or predators); Insects attracted to lights; Garden insects
- 821 100 53_ Other Entomology Exhibits**, exhibit in categories of Harmful insects (e.g., parasite, pest or disease); Insects plant damage (Riker mount); Specialize in an insect order
- 821 100 54_ Other Entomology Exhibits**, exhibit in categories of Soil insects; Forest insects; Aquatic insects

821 100 55_ Other Entomology Exhibits, exhibit in category of Other Educational Display, size: 30" wide, 24" deep (front to back) and 36" high. Examples could include experiments, surveys, photographs, life histories, purchased insects, etc.

For those exhibits that will fit, members may use the standard collection boxes and label insects according to the directions under "Insect Collections" in the 4-H Entomology Project (4-H 3220). For those not applicable, such as insect plant damage and life histories, they may be mounted as Riker mounts. Follow instructions on page 18 in the 4-H Entomology Manual (4-H 3221) for Riker mounts. In addition, the collections should be labeled to explain their educational value and will be judged based on the scoring used for entomology exhibits Entomology Exhibit Score Card (40-605) and Educational Display check sheet (40-463) available from the county Extension office or on the state 4-H website at, <http://oregon.4h.oregonstate.edu/resources/materials> Size dimensions are 30" wide, 24" deep, 36" high. Include explanation to the judge as outlined under Educational Display in fair book.

Some of the orders have changed in Entomology by combining old orders or making new ones. To be sure of the correct current order names for the insects in the collection, check with the Extension office or go to the website at: <http://oregon.4h.oregonstate.edu/natural-science> for the updated "Insect Orders, Meanings, Common Names"

Recommended reference for Entomology orders for identification of specimens, *Borror and Delong's Introduction to the Study of Insects 7th Edition* written by Charles A. Triplehorn and Norman F. Johnson.

SPECIAL AWARDS

BioQuip, will present a \$50 gift certificate to the "best overall collection" as determined by the judge.

Clever Clover Club and Lynn Royce will award an appropriate item in all classes as selected by the judges. No member will receive more than one award.

The Oregon Beekeepers' Association will award \$10.00 to a blue award exhibit or \$5.00 to a red award exhibit in the Educational Displays - Natural Resources class (400 200 00_) relating to honey bees or beekeeping.