

**411 200 03\_\_ Conservation**, an educational exhibit relating to conservation of **water and marine life**.

**411 200 04\_\_ Conservation**, an educational exhibit relating to conservation of **forest and wildlife**.

**411 200 05\_\_ Conservation**, an educational exhibit relating to conservation and ecology of native **amphibians and reptiles**.

## 4-H ENTOMOLOGY

1. 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 exhibits. At least 50% of those displayed by Juniors second and third year, Intermediates and Seniors must have been collected in the current year.
2. An insect information sheet, titled Information on New Insects in Collection for Current 4-H Project Year, is required with Intermediate and Senior insect collections. This sheet should be completed only for the new insects collected in the current project year. Make additional copies of page 2 as needed to list the new insects in the current year. The form is available on line at <http://oregon.4h.oregonstate.edu/natural-science>. Attach the completed sheets to the bottom of the collection box in an unsealed envelope for the judge to read at fair.
3. 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 (821-01). Both are available at the County Extension Offices and on the State 4-H website.
4. 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.
5. 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. In the event of a discrepancy this reference will be considered the correct information source.

**821 100 011 Entomology, Junior First Year**, 10 insects, from at least 8 orders.

**821 100 021 Entomology, Junior Second and Third Year**, 16-20 insects, from at least 10 orders.

**821 100 012 Entomology, Intermediate First Year**, 16 to 30 insects, at least 12 orders.

**821 100 022 Entomology, Intermediate Second and Third Year**, 26-36 insects, at least 12 orders.

**821 100 013 Entomology, Senior First Year**, 26-40 insects, at least 15 orders.

**821 100 023 Entomology, Senior Other**, 36-50 insects from at least 15 orders.

## **OTHER ENTOMOLOGY EXHIBITS**

1. 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.
2. Judging will be based on condition of specimens, mounting, labeling, including correct spelling of names, attractiveness, correct number of specimens, correct identification and

educational value of exhibit. 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 Offices and on the state 4-H website Size dimensions are 30" wide, 24" deep, 36" high. Include explanation to the judge as outlined under Educational Display in fair book.

3. 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 for the updated "Insect Orders, Meanings, Common Names"
4. **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. In the event of a discrepancy this reference will be considered the correct information source.

**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 age level.

**1 Junior** (10 to 20 different insects)

**2 Intermediate** (15 to 35 different insects)

**3 Senior** (no more than 50 different insects)

**4 Club** (two or more members working together)

**821 100 52\_\_ Other Entomology Exhibits**, exhibit in categories of Insects attracted to lights; Garden insects; or **Beneficial insects** (e.g., pollinators or predators) **NOTE:** Honeybee topics should be entered as a Honeybee Exhibit; please see the exhibit description in the following section.

**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, Educational**, size: 30" wide, 24" deep (front to back) and 36" high.

Examples could include experiments, surveys, photographs, life histories, purchased insects, etc.

**821 100 56\_\_ Other Entomology Exhibits**, Spiders and other insect relatives exhibit. Exhibit can include a collection of spiders, centipedes, millipedes, ticks, mites, scorpions or a combination of insect relatives and/or an educational display about them. Examples for a display could include experiments, surveys, photographs, life histories, etc. Live spiders or insect relatives may not be displayed. Specimen Collections should be a collection of identified labeled specimens in alcohol bottles fastened into a box. Exhibitors making a collection using alcohol bottles should follow the guidelines for insect specimens in the entomology manual. Educational displays may not exceed 30" in width, 24" deep (front to back), and 36" high.