

## 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 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**, size: 30" wide, 24" deep (front to back) and 36" high. Examples could include experiments, surveys, photographs, life histories, purchased insects, etc.

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 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. In the event of a discrepancy this reference will be considered the correct information source.

## Honeybee

### WHO MAY EXHIBIT

Open to all 4-H members regardless of project enrollment.

### Honeybee Educational Display

Note: Each exhibit piece must be labeled with the member's name, county and class number. Club exhibits are to be entered under the club name but must include the names of all members and leaders. This may be on a separate paper securely attached to the back of the exhibit. Club exhibits will receive one ribbon per exhibit.

**821 200 00\_\_ Honeybee Educational Display**, an educational exhibit relating to honeybees.

**Fill in the blank in the class number ( ) with the corresponding number for Junior, Intermediate, Senior or Club.**

**1 Junior**

**2 Intermediate**

**3 Senior**

**4 Club**

**Exhibit:** An educational exhibit relating to honeybees, honeybee keeping, honeybee products or honeybee information. It may not exceed 30" in width, 24" deep (front to back) and 36" high. **It may not include live bees.** Include an explanation to the judge as outlined under Education Display in the fair book.

**Judging criteria** are outlined on the *4-H Educational Poster/Display Score Sheet (40-463)* available at the county Extension office or on the state 4-H website at <http://oregon.4h.oregonstate.edu/fair-exhibit-and-contest-materials>.

## Outdoor Science

Each exhibit piece must be labeled with the member's name, county and class number.

A project exhibit relating to the out-of-doors. May not exceed 30" in width, 24" deep (front to back), and 36" high. Include an explanation of such things as: how to use exhibit, how made, where found, identify parts, etc., if appropriate to exhibit. Example: A birdhouse exhibit could include plans for making it, where it would be used, for what birds, an actual picture of where it will be used, etc.

**451 200 011** Outdoors Science, Junior First Year

**451 200 021** Outdoors Science, Junior Second and Third Year

**451 200 012** Outdoors Science, Intermediate First Year

**451 200 022** Outdoors Science, Intermediate Second and Third Year

**451 200 013** Outdoors Science, Senior First Year

**451 200 023** Outdoors Science, Senior Second and Third Year

**451 200 024** Outdoors Science, Club

Judging criteria are outlined on 4-H Educational Display Check Sheet (40-463), available at the county Extension Office or on the state 4-H website, <http://oregon.4h.oregonstate.edu/fair-exhibit-and-contest-materials>.

## AQUATIC ECOLOGY & ANGLER EDUCATION

See website: <http://oregon.4h.oregonstate.edu/contest-materials-natural-science>

Aquatic Macro-Invertebrates Specimens Macro-invertebrates, regardless of developmental stage, serve as an energy source in fresh water (lakes, ponds, streams, rivers) fisheries. They include but are not limited to: eggs, larvae, nymphs, scuds, leeches, stoneflies, caddis flies, mosquitos, dragonflies, heligrammites, etc. Specimen photos or drawing of specimens may be displayed in a three ring binder. Photos and drawings must be the original work of the exhibitor. Preserved specimens are to be displayed in specimen jars in display boxes. Each specimen, including photos or drawings, requires a label be affixed to the display box or page for easy reading. Labels (3/4" x 1-1/2") on preserved specimens, photos or drawings are to include the name of the collector, date collected/photographed/drawn, order name, common name, name of body of water from which specimen was found, county, and state.

Label example:

Collector/Date: J. Smith 01/01/01

Order Name: Ephemeroptera

Common Name/Stage: Mayfly Adult or Nymph

Body of Water: Lost Lake

County/State: Hood River, OR

Phases are based on the number of specimens exhibited. Each collection is progressive. Exhibitors are expected to add 5 new preserved specimens, photographs, or drawings to their exhibit each year in addition to those exhibited the previous year. Exhibitors are not able to combine preserved specimens, photographs, or drawings as a single exhibit.

The entries must be accompanied by a 4-H Aquatic Ecology & Angle Education Explanation card (451-07, revised 2014) available on the state 4-H website at <http://oregon.4h.oregonstate.edu/contest-materials-natural-science>.

### Phase 1 Members display 10 to 20 specimens

**451 100 181** Preserved specimens displayed in specimen jars in display boxes

**451 200 181** Photographs of specimens displayed in a notebook

**451 300 181** Original Drawings of specimens displayed in a notebook

### Phase 2 Members display 21 to 35 specimens

**451 100 182** Preserved specimens displayed in jars in display boxes

**451 200 182** Photographs of specimens displayed in a notebook

**451 300 182** Original Drawings of specimens

### Phase 3 Members display 36 to 50 specimens

**451 100 183** Preserved specimens displayed in jars in display boxes

**451 200 183** Photographs of specimens displayed in a notebook

**451 300 183** Original Drawings of specimens

Judging criterias are outlined on an Aquatic Macro-invertebrates Score Sheet (451-01, revised 2014), available at the county Extension office or on the state 4-H website at <http://oregon.4h.oregonstate.edu/contest-materials-natural-science>.