

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/entomology>. Scroll down to Unit 3 Insect Identification and click on the document "Insect Orders, Meanings. See the link to "UPDATE" under the heading First Year, next to the 4-H Entomology Manual (4H3221) 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. In the event of a discrepancy this reference will be considered the correct information source.

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

821 100 52_ Other Entomology Exhibits, exhibit in cate-

gories 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.

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.

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/node/1857> and <http://oregon.4h.oregonstate.edu/node/1853>. 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/node/1857> 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

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

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

- 1 Junior
- 2 Intermediate
- 3 Senior
- 4 Club

Exhibit: An educational exhibit relating to honeybees, honeybee keeping, honeybee products or honeybee information. I may not exceed 30" in width, 24" deep (front to back) and 36" high. It may not include live bees. An *Educational Display Exhibit Explanation Card* (000-01) must be attached to each exhibit.

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/node/1853>

AQUATIC ECOLOGY & SPORTS FISHING FLIES

Flies are defined as wet and dry. Dry flies are patterns used above the water line or in the surface film (e.g. adult insects, terrestrial insects, dry attractors, poppers, mouse, etc.). Wet flies are patterns used below the water line (e.g. nymphs, larvae, streamers, wet attractors, emergers, etc.). Materials (recipes) used may include but are not limited to: hackle, lead wire, dubbing, hook, copper wire, flash, quill, floss, chenille, thread, and hair. Entries may include but are not limited to: * Woolly Worm, Woolly Bugger, Hare's Ear, Scud, Caddis Pupa, Girdle Bug; ** Mickey Finn, Elk Hair Caddis, Bead Head Pheasant Tail, Parachute Adams; *** Royal Coachman, Grass Hopper, Stone Fly, Blue Winged Olive, Green Drake.

Flies must be labeled with name and displayed on an 8.5"x11" matte board. (*=low difficulty, **=moderate difficulty, ***=high difficulty)

The entries must be accompanied by a 4-H Aquatic Ecology & Angler Education Explanation Card (451-07, revised 2014) available on the state 4-H website at <http://oregon.4h.oregonstate.edu/node/1857>

451 200 131 Flies, Junior, 2 total (1 wet and 1 dry) use recipes requiring #4-6 hook.

451 200 132 Flies, Intermediate, 4 total (2 wet and 2 dry) use recipes requiring #6-8 hook.

451 200 133 Flies, Senior, 6 total (2 wet, 2 dry, and 2

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