

**2020**

## **ENTOMOLOGY**

Entomology exhibits give 4-H'ers the opportunity to demonstrate their knowledge about insects and insect displays. This category has multiple projects that allows 4-H'ers to progress over numerous years.

\*Denotes State Fair Entry

**Purple, \$4; Blue, \$3.50; Red, \$3; White, \$2.50**

Specimens should be mounted properly and labeled with the location of collection and date, name of collector, and order name. Follow mounting and labeling instructions in the Nebraska 4-H Entomology Manual. Exhibitors are limited to one entry per class. Boxes to be not more than 12 inches high by 18 inches wide by 3 inches deep. Purchase of commercially-made boxes is allowed.

\*H800001 Entomology Display, First-Year Project (Class 1) – Collection to consist of a minimum of 25 or more different kinds (species) of insects representing at least six orders. Limit of one box.

\*H800002 Entomology Display, Second-Year Project (Class 2) - Collection to consist of a minimum of 50 kinds (species) of insects representing at least eight orders. Replace damaged or poorly mounted specimens. At least 25 species should be present from after July 1 of the previous year. Limit two boxes.

\*H800003 Entomology Display, Third-Year or More Project (Class 3)- Collection to consist of a minimum of 75 kinds (species) of insects representing at least 10 orders. Replace damaged or poorly mounted specimens. At least 25 species should be present from after July 1 of previous year. Limit of three boxes.

\*H800004 Special Interest or Advanced Insect Display (Class 4) — Educational display developed according to individual interest and abilities. Each display should be self-explanatory so that the audience can understand it without help. Examples include a collection from specific insect group (e.g. butterflies, grasshoppers, dragonflies, scarab beetles, etc) or by subject (e.g. insect pests of corn, aquatic insects, insect mimicry, etc.). Other displays include a research project with a report, a journal of an entomological activity, a poster display, an insect scrapbook, or artwork. Research project reports should discuss methods, results, and what was learned. Poster displays should be no larger than 22 inches by 28 inches. Three-dimensional displays such as artwork, models, and dioramas are restricted to a base area no larger than 22 inches by 28 inches and a height of no more than 24 inches. Artwork should include brief information about the work.

\*H800005 Insect Habitats (Class 5) – Habitats consist of any hand-crafted objects, made of natural or artificial materials, placed outdoors, which promote or conserve insects in the environment. Insects may include bee pollinators, butterflies, beneficial insects, etc. A one-page report must accompany the exhibit.

\*H800006 Macrophotography (Class 6) – Subjects should be insects, spiders, or other arthropods, or any nests, webs or constructions they make. All exhibit prints should be 8.5 inches by 11 inches and mounted on rigid, black 11 inches by 14 inches poster or matt board. Either orientation is acceptable. No frames are allowed. A short caption explaining the subject, printed on white paper, should be glued below the print on the poster or matt board.

\*H800007 Insect Poster/Display Exhibits – Exhibits can be posters or 3 Dimensional displays, and artistic creativity is encouraged. Posters should be no larger than 22"x28". They should be instructional and can be attractive and have pictures, drawings, charts, or graphs. Posters and display may show any aspect of insect life, habitat, or related conservation or management. Examples include life history and other facts about an insect; insect anatomy; how to manage insects in a farm, home, lawn, or garden setting; experiences rearing one kind of insect; survey of an important insect; insect behavior (ex. nesting, finding food, mobility, defenses, etc.); habitats (ex. forests, grasslands, wetlands, rivers, or lakes) and what insects are found there, etc. Three dimensional displays, such as dioramas, sculptures, models or decorative boxes should have a page explanatory information accompany them and fit within a 22"x28" area.

\*H800008 Reports or Journals – Reports and journals should be in a 3 ring binder. A report may be informational, that is, an original article about a favorite insect, a history of insect outbreaks, diseases caused by insects, insects as food, etc. Or, it may be a research report about an investigation or experiment done in a scientific manner. It then should have a basic introduction of the insect studied, methods used, observations, and results of the project. Tables, graphs and images are helpful to include. A journal is an observational study over a period of time with personal impressions. It may cover watching changes of kinds of butterflies over the summer, rearing a specific insect from egg to adult, managing a bee hive, observations of insects in a specific habitat, accounts of insects behavior in a forest or flower garden, etc.

**Purple, \$2; Blue, \$1.50; Red, \$1; White, \$0.50**

H800009 You be the Teacher — Share with others what you learned in the project. Exhibit may be a three-dimensional display, scrapbook, charts, pictures, photographs, a file of ideas, research study, etc. A display may not exceed a total space of 12 inches deep, 15 inches wide and 10 inches high. Pictures, models, plaster, papier-mâché,

etc., may be used in your exhibit. Attach the entry tag to the upper right hand corner of the entry. This exhibit must be educational.

H800010 Poster — 14 inches by 22 inches, either vertical or horizontal arrangement. Poster may be in any medium — watercolor, ink, crayon, etc. — as long as they are not three-dimensional. Posters using copyrighted material will not be accepted. Entry card must be stapled in upper right hand corner. The 4-H member's name, age, full address, county and years in project(s) must be on the back of the poster.