

INSECT IDENTIFICATION

Contest Description:	Individual contestants will take a written test including identification of insects. Correct spelling of common name and order will be a factor in scoring.
Superintendent(s):	Dr. Nathan Lord
Award:	Louisiana 4-H Educational Trip
Grade/Age Requirement(s):	Must be enrolled in 8 th to 12 th Grade as of August 1, 2021.
Team or Individual Contest:	Individual
Number of Entries Per Parish:	Two (2) entries

Contest Rules:

1. Refer to Louisiana 4-H University General Rules and Guidelines for a complete set of event rules and guidelines.
2. Contestants will be required to identify twenty five (25) insects of economic importance by common name and scientific order, and whether the insect is a pest or beneficial. Insect orders must be spelled correctly and capitalized to receive full credit.
Note on order names: According to current classification, the order Homoptera has been dissolved into the order Hemiptera, the order Isoptera has been dissolved into the order Blattodea, and the order Thysanura is now known as Zygentoma. Many resources may still use the older, incorrect names. However, in these two cases, either previously accepted (*e.g.*, Homoptera; Isoptera; Thysanura) or currently accepted (*e.g.*, Hemiptera; Blattodea; Zygentoma, respectively) will be considered correct on this examination.
3. Contestants will be required to answer questions of a practical nature regarding the habits, food, etc., of all insects in a written exam. Questions will be taken from a Golden Nature Guide listed below.
4. Reference for study is the Golden Nature Guide "Insects." It may be purchased on-line at www.amazon.com.
5. Score will be based on
 1. Insect Identification: 100 points
 2. Written Exam: 20 points

TOTAL: 120 POINTS
6. The following page list from which the 25 insects for identification will be selected.

Contest Resource(s):

INSECT IDENTIFICATION – ORDERS & COMMON NAME**Order Coleoptera**

Bean leaf beetle
 Black blister beetle
 Striped blister beetle
 Carpet beetle
 Cigarette beetle
 Colorado potato beetle
 Spotted cucumber beetle
 Striped cucumber beetle
 Grape colaspis
 Ground beetle (beneficial)
 May beetle (june bug)
 Convergent lady beetle (beneficial)
 Mexican bean beetle
 Banded cucumber beetle
 Tiger beetle (beneficial)
 Rice weevil
 Rove beetle (beneficial)
 Striped flea beetle
 Tortoise beetle
 Vegetable weevil
 White-fringed beetle
 Yellow margined leaf beetle
 Sweet potato weevil

Order Hemiptera

Lace bug
 Assassin bug (beneficial)
 Chinch bug
 Rice stink bug
 Squash bug
 Southern green stink bug
 Tarnished plant bug
 Cicada
 Leafhopper

Order Odonata

Dragonfly (beneficial)
 Damselfly (beneficial)

Order Dermaptera

Earwig

Order Siphonaptera

Flea

Order Ephemeroptera

Mayfly (beneficial)

Order Isoptera

Termite

Order Thysanura

Silverfish

Order Trichoptera

Caddisfly

Order Hymenoptera

Black carpenter ant
 Bumble bee (beneficial)
 Honey bee (beneficial)
 Imported fire ant
 Mud dauber (beneficial)
 Yellow jacket
 Paper wasp (beneficial)
 Carpenter bee

Order Diptera

Deer fly
 Flesh fly
 Green bottle fly
 Horn fly
 Horse fly
 House fly
 Mosquito
 Robber fly (beneficial)
 Stable fly
 Syrphid fly (beneficial)

Order Lepidoptera

Imported cabbage worm adult
 Corn earworm adult
 Cabbage looper adult
 Monarch butterfly
 Squash vine borer adult
 Beet armyworm adult

Order Blattaria

German cockroach
 Smokey brown cockroach

Order Orthoptera

Grasshopper
 Field cricket
 Mole cricket

Order Mantodea

Praying mantid (beneficial)

Order Plecoptera

Stonefly (beneficial)

Order Phthiraptera

Chicken louse
 Hog louse

Order Mecoptera

Scorpionfly (beneficial)

Order Neuroptera

Dobsonfly adult (beneficial)
 Lacewing (beneficial)
 Ant lion adult (beneficial)