

Entomology

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Location: Remote/Virtual

Contest Date: Wednesday, May 5th, 1:30-3 p.m.

General Information

This year, the written exam and the identification exam are combined into an online format. Each student may take the exam only once. **Students must have the identification list provided below in order to complete the identification portion of the exam.** The exam will be open for 90 minutes for students to complete both the multiple choice and specimen identification sections.

Exam

For the identification section of the exam, there will be 50 questions. A single picture of the insect will be shown for each question. Students will use the identification list for this year to type the corresponding NUMBER of the insect name in order to receive credit. When typing the number, write it without punctuation or letters. For example, if shown an image of a **praying mantis**, the student should type in “77”. The identification list is provided with these guidelines and available upon request. Students should study from kits previously purchased from the KSU Popenoe Entomology Club, the *Insects in Kansas* text, and the provided “Household Pests of Kansas” extension publication (also available at <https://entomology.k-state.edu/extension/insect-information/household-pests.html>).

For the written portion of the exam, there will be 40 multiple choice questions. The questions will be drawn from the following texts: *Insects of Kansas* (available for purchase from KSU Popenoe Entomology Club), “Household Pests of Kansas” (provided), and “FFA Entomology Contest Information and Study Material” (provided).

Information drawn as test material from *Insects in Kansas* will vary based on how specific the insect name on the official list is. That is, if the name on the official list is a general name for a group of insects, such as “Lady Beetle” or “Leafhopper”, only the introductory material presented in *Insects in Kansas* for those insects might be used on the test. For example, “Lady Beetle” is listed as one of the official insects, but *Insects in Kansas* discusses 7 species of lady beetles. Thus any test questions drawn for “Lady Beetle” from *Insects in Kansas* would be from the introductory section on the Coccinellidae. Conversely, because “Western Corn Rootworm” and “Boxelder Bug” are individual species on the official insect list and have specific information sections in the book, test material might be drawn from the information given for that specific individual species. Purchase of *Insects of Kansas* is not required, but highly suggested as it provides additional information and pictures for each specimen found on the list.

If there are any questions, please email popenoe@ksu.edu

The list below includes the order names and the common names of the representative species. Remember there can be variation in size and general appearance among specimens within a group.

*18. Water beetles may include one of the following specimens: predacious diving beetles (Dytiscidae), whirling beetles (Gyrinidae), water scavenger beetle (Hydrophilidae).

**Note: there might not be consecutive numbers accompanying each insect name. Numbers are used as a reference for FFA officers



Coleoptera

1. Bean leaf beetle
2. Blister beetle
3. Click beetle
4. Colorado potato beetle
5. Carrion beetle
6. Dermestid beetle
7. Green June beetle
8. Firefly
9. Ground beetle
10. Lady beetle
11. Long horned beetle
12. May/June beetle
13. Weevil
14. Alfalfa weevil
15. Soldier beetle
16. Spotted cucumber beetle
17. Tiger beetle
18. Water beetles*
19. Flour beetle
20. Japanese beetle
76. Rove beetle**

Diptera

21. Blow Fly
22. Flower fly
23. Horse fly
24. House fly
25. Mosquito
26. Midges
58. Robber fly**
71. Fruit fly**
72. Tachinid fly**
73. Crane fly**

Hemiptera

27. Scentless plant bugs
28. Chinch bug
29. Lace bug
30. Assassin bug
31. Squash bug
32. Stink bug
33. Tarnished plant bug
34. Water strider
75. Leaf-footed bugs**

Homoptera

35. Cicada
36. Leafhopper
37. Planthopper
38. Scale insect
39. Aphids
74. Treehopper**

Hymenoptera

40. Ant
41. Bumble bee
42. Honey bee
43. Ichneumon wasp
44. Sphecid wasp
45. Sweat bee
46. Vespid wasp
47. Carpenter bee

Isoptera

48. Termite

Lepidoptera

49. Alfalfa caterpillar butterfly
50. Bagworm
51. Cutworm
52. Corn earworm moth
53. Painted lady
54. Indian meal moth
55. Tomato/tobacco hornworm moth

Neuroptera

56. Lacewing

Thysanoptera

57. Thrips

Odonata

59. Damselfly
60. Dragonfly

Orthoptera

61. Cricket
62. Shorthorned grasshoper
63. Longhorned grasshopper

Blattodea

64. American cockroach
65. German cockroach

Plecoptera

67. Stonefly

Tricoptetra

68. Caddisfly

Ephemeroptera

69. Mayfly

Siphonaptera

70. Flea

Mantodea

77. Praying mantis

