

ENTOMOLOGY

Purpose:

To provide the opportunity for 4-H members to increase and test their knowledge of insect identification.

Eligibility:

The general rules for eligibility will apply. Enrollment in the entomology project is not required.

General Information:

Each county is allowed to bring two novice and two junior teams to the district contest. A junior team may be mixed ages, novice and junior. A novice team may be novice age contestants only. The county team score will be the sum of the three highest scores. If a county does not have a team, they may bring individuals in each category. Individuals can compete only for high point individual.

A team consists of three or four members. Team scores will be the sum of the three highest placing individuals of the team.

Novice Contest Guidelines

Novice contestants will identify 25 insects by their common name. Each correct name is worth 4 points - a total of 100 points possible. Twenty-five minutes will be allowed for identification.

Junior Contest Guidelines

Junior contestants will identify 25 insects by their common name and give their type of mouthparts. Each correct name is worth 4 points and each correct mouthpart is worth 2 points - a total of 150 points possible. Twenty-five minutes will be allowed for name identification and another twenty-five minutes allowed for mouthparts.

Awards:

First through fifth place ribbons will be awarded the winning team members and high point individuals. Medals will go to the first-place teams and high point individuals.

Tie-Breaker

1. Most correctly spelled names.
2. Most correct mouth parts ID.

Reference Materials:

A Field Guide to the Insects of America North of Mexico by D.J. Borror and R.E. White, 1970. Houghton Mifflin Company, Boston. (A Peterson Field Guide Series)

100 Common Insects of New Mexico by David Richman, Ph.D. and Carol Sutherland, Ph.D., 1987

"Making an Insect Collection," videotape #473, by Carol Sutherland, Ph.D., and David Richman, Ph.D. Produced by New Mexico State University Agricultural Information Department, 1986.

Revised 1995

NOVICE INSECT IDENTIFICATION LIST

COMMON NAME

1. Ambush bug
2. American cockroach
3. Ant
4. Aphid
5. Assassin bug
6. Bark beetle
7. Blister beetle
8. Braconid wasp
9. Camel cricket
10. Centipede
11. Click beetle
12. Darkling beetle
13. Dermestid beetle
14. Dragonfly
15. Earwig
16. Flea
17. Flesh fly
18. German cockroach
19. Gossamer-winger
butterfly
20. Green lacewing
21. Honey bee
22. Horse fly
23. Jerusalem cricket
24. Ladybird beetle
25. Leaf-footed plant bug
26. Leafhopper
27. Long-horned beetle
28. Long-horned
grasshopper
29. Mantid
30. Mosquito
31. Noctuid moth
32. Oriental cockroach
33. Planthopper
34. Robber fly
35. Scarab beetle
36. Short-horned grasshopper
37. Silverfish
38. Sowbug
39. Sphinx mouth
40. Spider

41. Stink bug
42. Suckling louse
43. Swallowtail
44. Termite
45. Treehopper
46. Velvet ant
47. Vespid wasp
48. Walking stick
49. Water boatman
50. Waterstrider

CLASS

- A. Arachnida
- B. Chilopoda
- C. Crustacea
- D. Diplopoda
- E. Insecta

ORDER

- F. Acarina
- G. Araneida
- H. Anoplura
- I. Coleoptera
- J. Dermaptera
- K. Diptera
- L. Hemiptera
- M. Homoptera
- N. Hymenoptera
- O. Isoptera
- P. Lepidoptera
- Q. Neuroptera
- R. Odonata
- S. Orthoptera
- T. Scorpionida
- U. Siphonaptera
- V. Thysanura

METAMORPHOSIS

- Simple
Complete

MOUTHPARTS

- Chewing
Sucking

JUNIOR INSECT IDENTIFICATION LIST COMMON NAME

1. Ambush bug
2. American cockroach
3. Ant
4. Antlion
5. Aphid
6. Assassin bug
7. Blackswimmer
8. Bark beetle
9. Bee fly
10. Black fly
11. Blister beetle
12. Blow fly
13. Braconid wasp
14. Brush-footed Butterfly
15. Camel cricket
16. Carrion beetle
17. Centipede
18. Chalcid wasp
19. Checkered beetle
20. Cicada
21. Click beetle
22. Cricket
23. Damsel bug
24. Damselfly
25. Darkling beetle
26. Dermestid beetle
27. Diving beetle
28. Dragon fly
29. Earwig
30. Flea
31. Flesh fly
32. Geometer moth
33. German cockroach
34. Giant silkworm moth
35. Gossamer-winged butterfly
36. Green lacewing
37. Ground beetle
38. Halicid bee
39. Hister beetle
40. Honey bee
41. Horse fly
42. Ichneumon wasp
43. Jerusalem cricket
44. Ladybird beetle
45. Leaf beetle
46. Leafcutting bee
47. Leaf-footed plant bug
48. Leafhopper
49. Long-horned beetle
50. Long-horned grasshopper
51. Louse fly
52. Mantid
53. Metallic wood-boring beetle
54. Millipede
55. Mosquito
56. Muscid fly
57. Noctuid moth
58. Oriental cockroach
59. Picture-winged fly
60. Plant or leaf bug
61. Planthopper
62. Pyralid moth
63. Robber fly
64. Rove beetle
65. Sap beetle
66. Scale insect
67. Scarab beetle
68. Scoliid wasp
69. Scorpion
70. Seed bug
71. Short-horned Grasshopper
72. Silverfish
73. Skipper
74. Snout beetle
75. Soft-winged flower beetle
76. Soldier beetle
77. Sowbug
78. Sphecid wasp
79. Sphinx mouth
80. Spider
81. Spider wasp
82. Stink bug
83. Sucking louse
84. Sulfur butterfly
85. Swallowtail
86. Syrphid fly
87. Tachinid fly
88. Termite
89. Tick
90. Tiger beetle
91. Tiger moth
92. Tiphiid wasp
93. Treehopper
94. Twigborer
95. Velvet ant
96. Vespid wasp
97. Walkingstick
98. Water boatman
99. Water scavenger beetle
100. Waterstrider

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