

# **ENTOMOLOGY**

## **Novice Age Group**

### **I. Eligibility**

- A. Two teams per county or a maximum of four (4) participants.

### **II. Procedure**

- A. Insect Information: There will be twenty-five (25) specimens chosen from fifty (50) common insects of New Mexico. The participant will I.D. and answer one question per specimen taken from 100 Common Insects of New Mexico 200 J-11. Scoring will consist of one point per question.
- B. Mounting Procedure Examination: A test of 25 questions concerning collection and mounting techniques taken from Entomology I Project material. Each question is worth one point.
- C. No talking is allowed during the contest. Offenders may lose points.
- D. Tie will be broken by I.D. of insects.

### **III. References**

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.

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

### **IV. Awards**

First through fifth place ribbons will be awarded to the winning team members and high point individuals. Medals will go to the first place team and the high point individual. In case of a tie, the tie will be broken on identification of insects.

## INSECT IDENTIFICATION LIST - NOVICE

### COMMON NAME

- |                               |                              |
|-------------------------------|------------------------------|
| 1. Ambush bug                 | 26. Leafhopper               |
| 2. American cockroach         | 27. Long-horned beetle       |
| 3. Ant                        | 28. Long-horned grasshopper  |
| 4. Aphid                      | 29. Mantid                   |
| 5. Assassin bug               | 30. Mosquito                 |
| 6. Bark beetle                | 31. Noctuid moth             |
| 7. Blister beetle             | 32. Oriental cockroach       |
| 8. Braconid wasp              | 33. Planthopper              |
| 9. Camel cricket              | 34. Robber fly               |
| 10. Centipede                 | 35. Scarab beetle            |
| 11. Click beetle              | 36. Short-horned grasshopper |
| 12. Darkling beetle           | 37. Silverfish               |
| 13. Dermestid beetle          | 38. Sowbug                   |
| 14. Dragonfly                 | 39. Sphinx moth              |
| 15. Earwig                    | 40. Spider                   |
| 16. Flea                      | 41. Stink bug                |
| 17. Flesh fly                 | 42. Sucking louse            |
| 18. German cockroach          | 43. Swallowtail              |
| 19. Gossamer-winged butterfly | 44. Termite                  |
| 20. Green lacewing            | 45. Treehopper               |
| 21. Honey bee                 | 46. Velvet ant               |
| 22. Horse fly                 | 47. Vespid wasp              |
| 23. Jerusalem cricket         | 48. Walkingstick             |
| 24. Ladybird beetle           | 49. Water boatman            |
| 25. Leaf-footed plant bug     | 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

- Complete
- Simple

### MOUTHPARTS

- Chewing
- Sucking

# **ENTOMOLOGY**

## **JUNIOR AGE GROUP**

### **I. Eligibility**

- A. Two teams per county or a maximum of four (4) participants.

### **II. Procedure**

- A. Insect Information: There will be twenty-five (25) specimens chosen from one hundred (100) common insects of New Mexico. The participant will I.D. and answer two to three questions per specimen taken from 100 Common Insects of New Mexico 200 J-11.

Scoring will consist of one point per question.

- B. Mounting Procedure Examination: A test of 25 questions concerning collection and mounting techniques taken from Entomology I and II project material. Each question is worth one point.
- C. No talking is allowed during the contest. Offenders may lose points.
- D. Ties will be broken by I.D. of insects.

### **III. References**

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.

Videotape - "Making An Insect Collection," by Carol Sutherland, Ph.D., and David Richman, Ph.D. Produced by New Mexico State University Agricultural Information Department, 1986.

*January 2004*

Reviewed 2021

## INSECT IDENTIFICATION LIST - JUNIOR

### COMMON NAME

1. Ambush bug
2. American cockroach
3. Ant
4. Antlion
5. Aphid
6. Assassin bug
7. Backswimmer
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. Halictid 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 moth
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. Tiphid wasp
93. Treehopper
94. Twig borer
95. Velvet ant
96. Vespid wasp
97. Walkingstick
98. Water boatman
99. Water scavenger beetle
100. Waterstrider

### CLASS

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

### ORDER

- F. Acarina
- G. Araneida
- H. Anoplura
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- J. Dermaptera
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- Q. Neuroptera
- R. Odonata
- S. Orthoptera
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- U. Siphonaptera
- V. Thysanura

### METAMORPHOSIS

- Complete
- Simple

### MOUTHPARTS

- Chewing
- Sucking

### JUNIOR ENTOMOLOGY ANSWER SHEET

Contestant Number \_\_\_\_\_ County \_\_\_\_\_ Score \_\_\_\_\_

Each correct name-4 pts, mouth part-2 pts. Twenty-five min. allowed-each part.

<u>Common Name</u>	<u>Mouth Parts</u>
1.	1
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.
11.	11.
12.	12.

**JUNIOR ENTOMOLOGY ANSWER SHEET**

<b><u>Common Name</u></b>	<b><u>Mouth Parts</u></b>
13.	13.
14.	14.
15.	15.
16.	16.
17.	17.
18.	18.
19.	19.
20.	20.
21.	21.
22.	22.
23.	23.
24.	24.
25.	25.