

# 1. American Cockroach

- Order:
  - Blattodea
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





## 2. Antlion

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial









# 3. Antlion Larvae

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





# 4. Aphid

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Pest







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# 5. Armored Scale

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Pest







# 6. Assassin Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Beneficial





# 7. Backswimmer

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Beneficial







# 8. Bagworm

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 9. Banded Wing Grasshopper

- Order
  - Orthoptera
- Metamorphosis
  - Hemimetabolous
- Mouth Part
  - Chewing
- Significance
  - Pest





# 10. Bed Bug

- Order
  - Hemiptera
- Metamorphosis
  - Hemimetabolous
- Mouthparts
  - Pierce – Suck
- Significance
  - Pest









# 11. Beet Armyworm Larva

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 12. Big-Eyed Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Beneficial







# 13. Biting Louse

- Order:
  - Phthiraptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 14. Black Widow Spider

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Pest







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# 15. Blister Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest



C. S. Lewallen, Oklahoma 2002



# 16. Blow Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Sponging
- Significance:
  - Pest





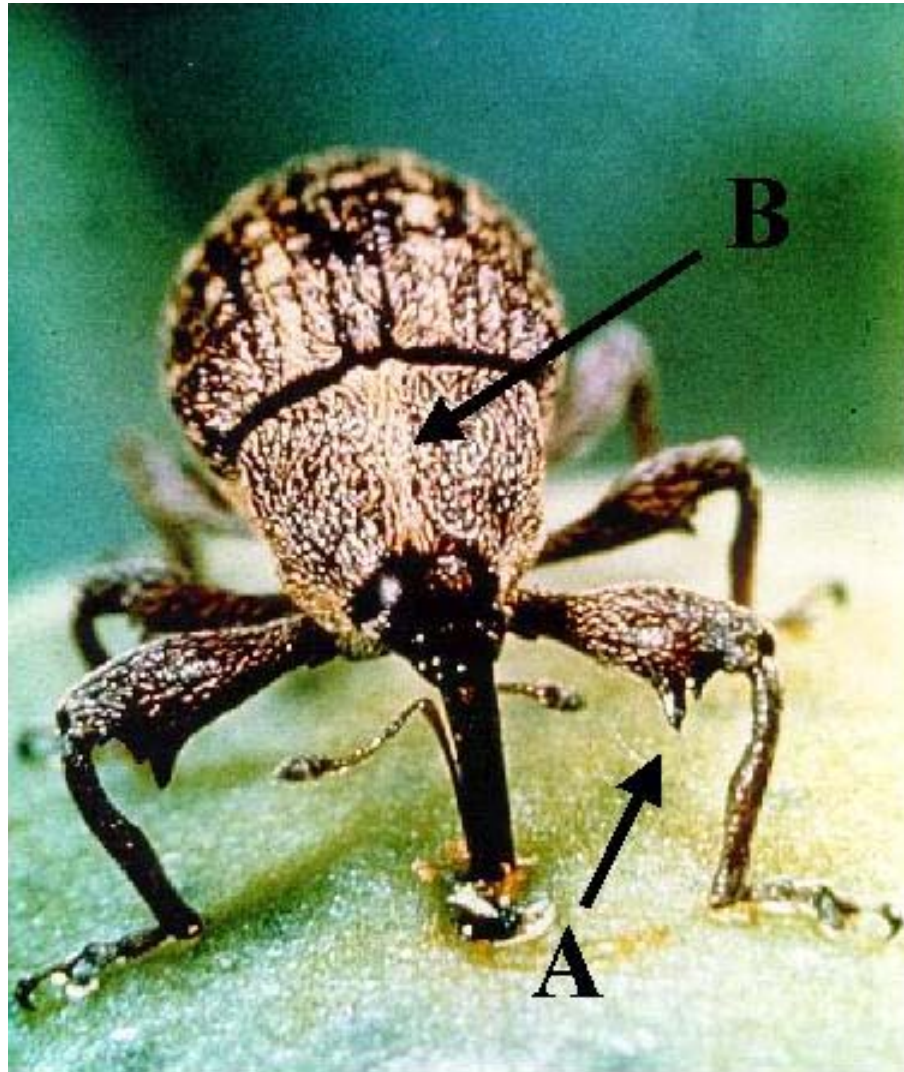


**N** University of Nebraska  
Department of Entomology

# 17. Boll Weevil

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 18. Bollworm

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 19. Boxelder Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Pest





## 20. Booklouse

- Order
  - Psocoptera
- Metamorphosis
  - Ametabolous
- Mouthparts
  - Chewing
- Significance
  - Pest







# 21. Brown Dog Tick

- Order:
  - Non-insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Pest





## 22. Brown Recluse Spider

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Pest







# 23. Bumble Bee

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing/Lapping
- Significance:
  - Variable







# 24. Cabbage Looper

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest



*Photo from "Pests of the Garden and Small Farm: A Grower's Guide to Using Less Pesticide" by Mary Louise Flint, University of California Publication 3332*

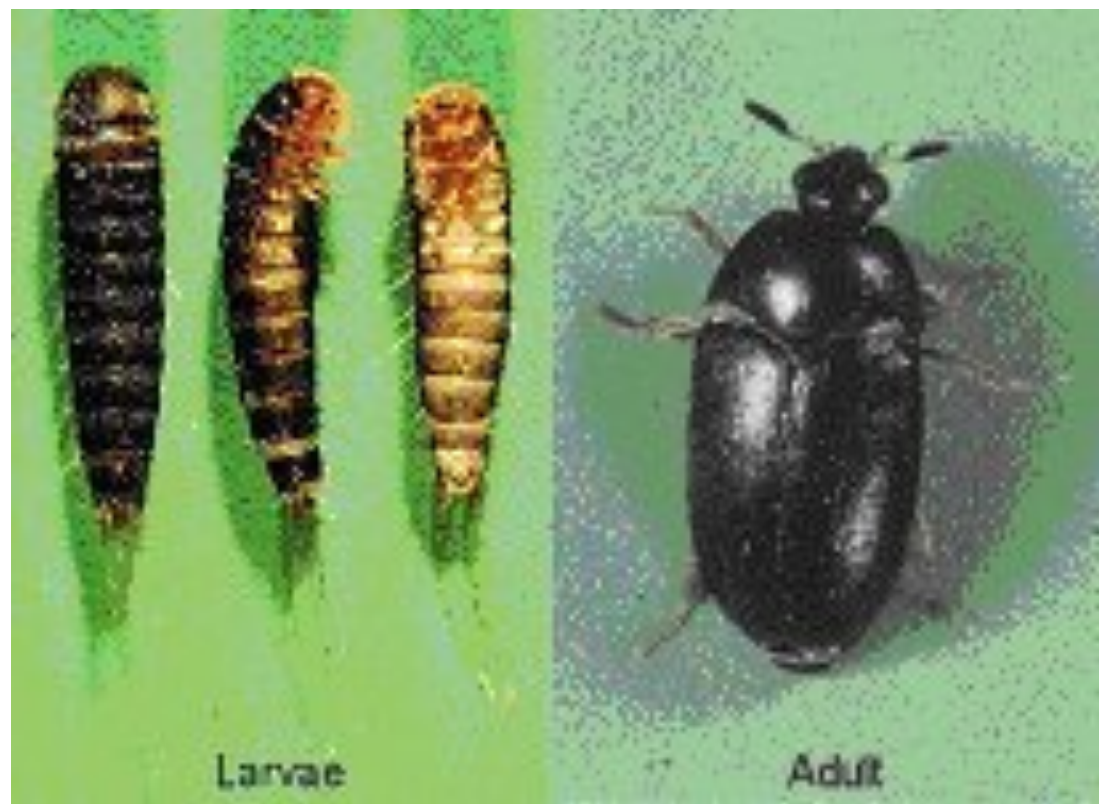




# 25. Carpet Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





Larvae

Adult

# 26. Carrion Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 27. Cattle grub

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





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# 28. Centipede

- Order:
  - Non-insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Variable







# 29. Cicada

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Variable







# 30. Cicada Killer

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







UGA3226055

# 31. Cigarette Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





B. Cabrera UF

## 32. Click Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 33. Colorado Potato Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 34. Crab Spider

- Order:
  - Non-insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Beneficial







# 35. Crane Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Variable





# 36. Damsel Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Beneficial









# 37. Damselfly

- Order:
  - Odonata
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





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# 38. Damselfly Nymph

- Order:
  - Odonata
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 39. Darkling Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable





# 40. Deer Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Cutting-Sponging
- Significance:
  - Pest







marlin '02

# 41. Deer Ked

- Order
  - Diptera
- Metamorphosis
  - Holometabolous
- Mouthparts
  - Pierce – Suck
- Significance
  - Pest







J. D. Hopkins

# 42. Dobsonfly

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







EASTERN DOBSONFLY 2004

# 43. Dragonfly

- Order:
  - Odonata
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





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# 44. Dragonfly Nymph

- Order:
  - Odonata
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 45. Dung Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





# 46. Earwig

- Order:
  - Dermaptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 47. Elm Leaf Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 48. Fall Webworm

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 49. Field Cricket

- Order:
  - Orthoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 50. Firefly

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 51. Flea

- Order:
  - Siphonaptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Piercing/Sucking
- Significance:
  - Pest





# 52. Flea Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 53. Flesh Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Sponging
- Significance:
  - Pest





# 54. Garden Spider

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Beneficial







# 55. German Cockroach

- Order:
  - Blattodea
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 56. Giant Water Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Beneficial







# 57. Gray Hairstreak

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Pest





# 58. Green June Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 59. Green Lacewing

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial



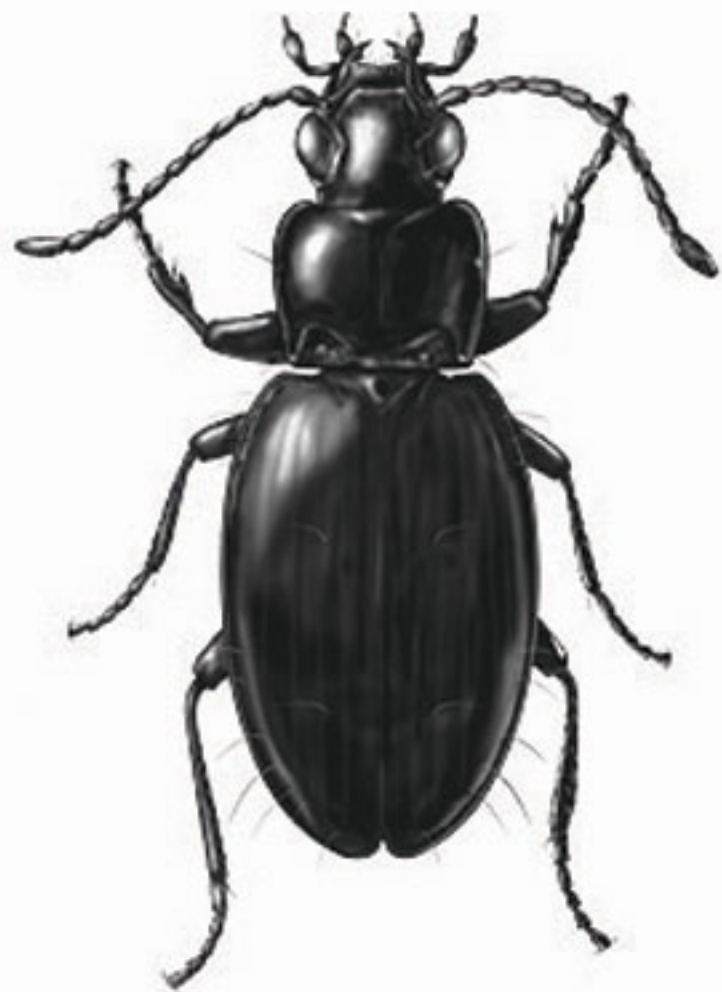


# 60. Ground Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 61. Harlequin Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





## 62. Harvestman

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Variable







# 63. Hellgrammite

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 64. Honey Bee

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing-Lapping
- Significance:
  - Beneficial







# 65. Horn Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Cutting-Lapping
- Significance:
  - Pest





# 66. Horntail Wasp

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 67. Horse Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Cutting -Sponging
- Significance:
  - Pest







marlin'05

# 68. House Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Sponging
- Significance:
  - Pest







University of Nebraska  
Department of Entomology

# 69. Ichneumon Wasp

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





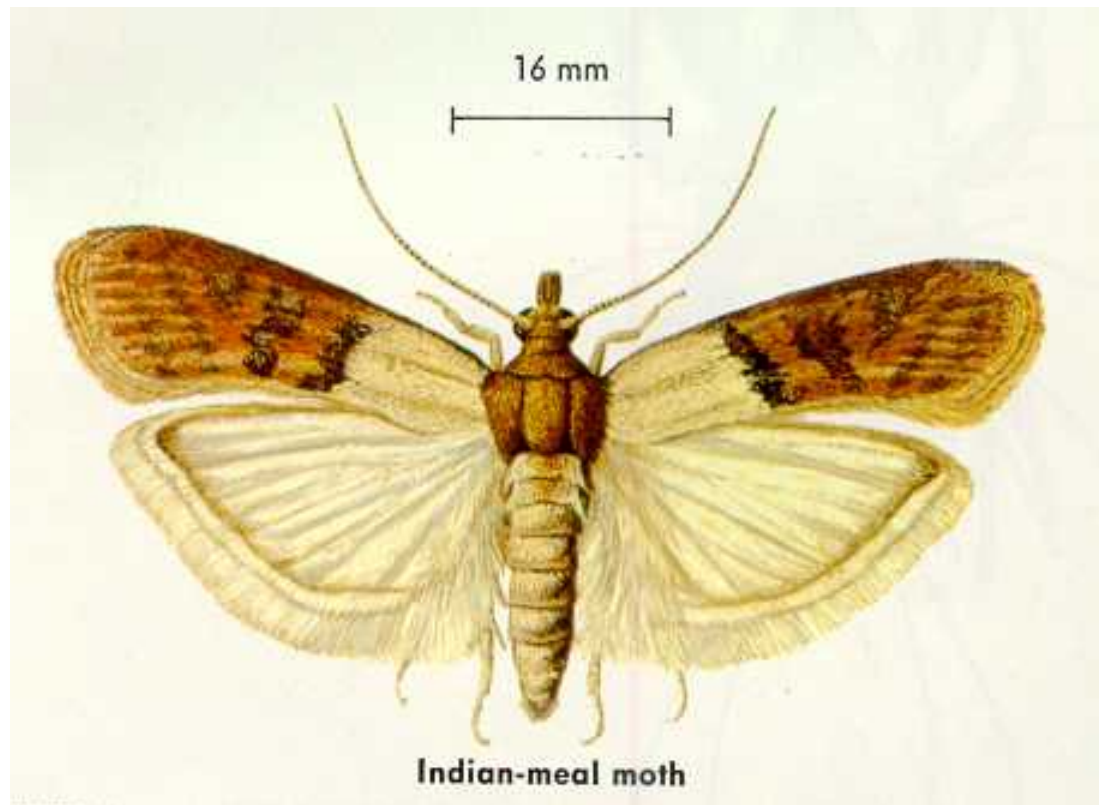


# 70. Indian Meal Moth

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Pest







# 71. Ironclad Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable





# 72. Jerusalem Cricket

- Order:
  - Orthoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 73. Jumping Spider

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - N/A
- Significance:
  - Beneficial

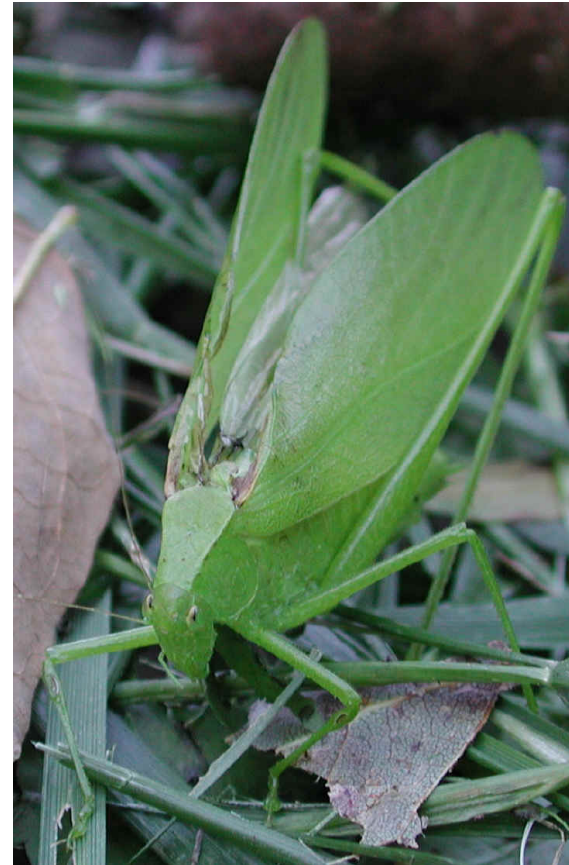






# 74. Katydid

- Order:
  - Orthoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 75. Lace Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





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# 76. Lacewing Larva

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 77. Ladybird Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





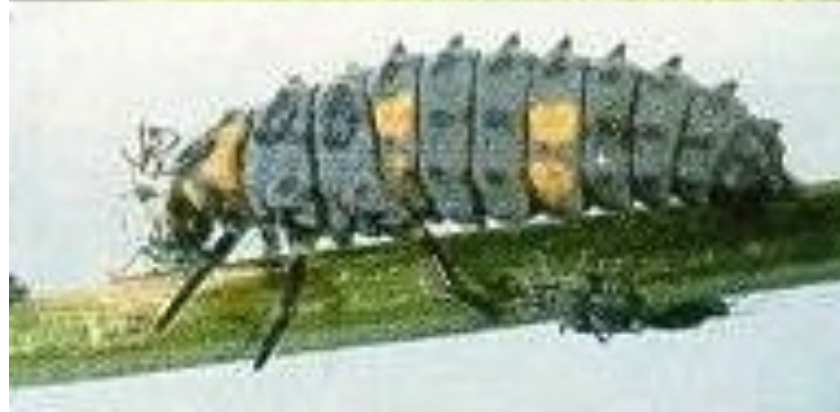


# 78. Ladybird Beetle Larva

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 79. Leaf-Footed Bug

- Order
  - Hemiptera
- Metamorphosis
  - Hemimetabolous
- Mouth Parts
  - Pierce-sucking
- Significance
  - Pest





# 80. Leafhopper

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest







© Pennsylvania Tree Fruit Guide

# 81. Longhorned Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





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## 82. Luna Moth

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Beneficial







# 83. Mantidfly

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





# 84. May Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 85. Mayfly

- Order:
  - Ephemeroptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Vestigial
- Significance:
  - Beneficial





# 86. Mealybug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest







# 87. Metallic Woodboring Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 88. Milkweed Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest







# 89. Millipede

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





# 90. Minute Pirate Bug

- Order
  - Hemiptera
- Metamorphosis
  - Hemimetabolous
- Mouth Part
  - Pierce- sucking
- Significance
  - Beneficial







# 91. Mole Cricket

- Order:
  - Orthoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





**UF/Choate**

# 92. Monarch Butterfly

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Beneficial







# 93. Sweet Potato Weevil

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 94. Mosquito

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest







# 95. Mud-Dauber Wasp

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







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# 96. Oriental Cockroach

- Order:
  - Blattodea
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 97. Painted Lady

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Beneficial







# 98. Paper Wasp

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 99. Pill Bug

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable





# 100. Praying Mantis

- Order:
  - Mantodea
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 101. Predaceous Diving Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





# 102. Red Admiral

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Beneficial







# 103. Red Flour Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 104. Red Harvester Ant

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 105. Red Imported Fire Ant

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





*photo (c) Alex Wild*

# 106. Rice Weevil

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 107. Robber Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Beneficial





# 108. Rove Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial



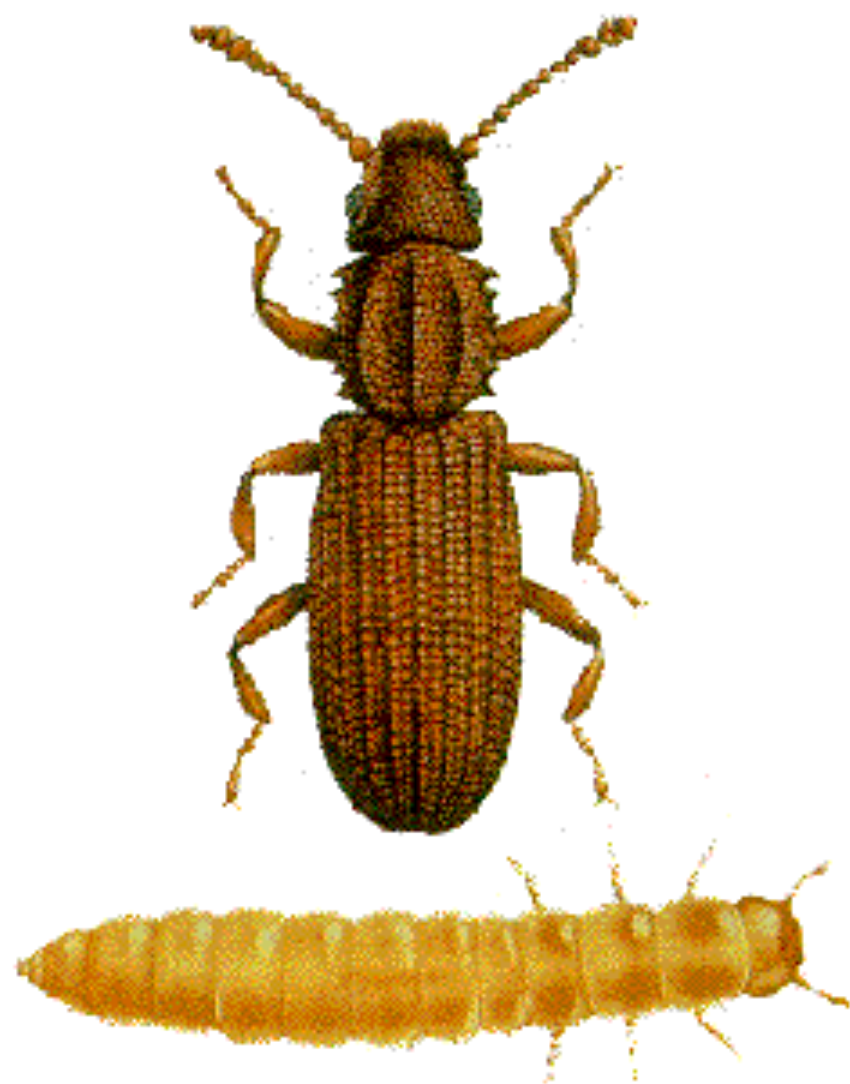




# 109. Sawtoothed Grain Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 110. Scorpion

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 111. Scorpionfly

- Order:
  - Mecoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 112. Silverfish

- Order:
  - Thysanura
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 113. Skipper Butterfly

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Variable





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# 114. Snakefly

- Order:
  - Neuroptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial





# SNAKEFLY

Genus *Agulla*

Found in a pear orchard

Peshastin Creek, WA



# 115. Soft Scale

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





# 116. Soldier Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 117. Southwestern Corn Borer

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 118. Sphinx Moth

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Variable







# 119. Spider Mite

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest



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# 120. Spinose Ear Tick

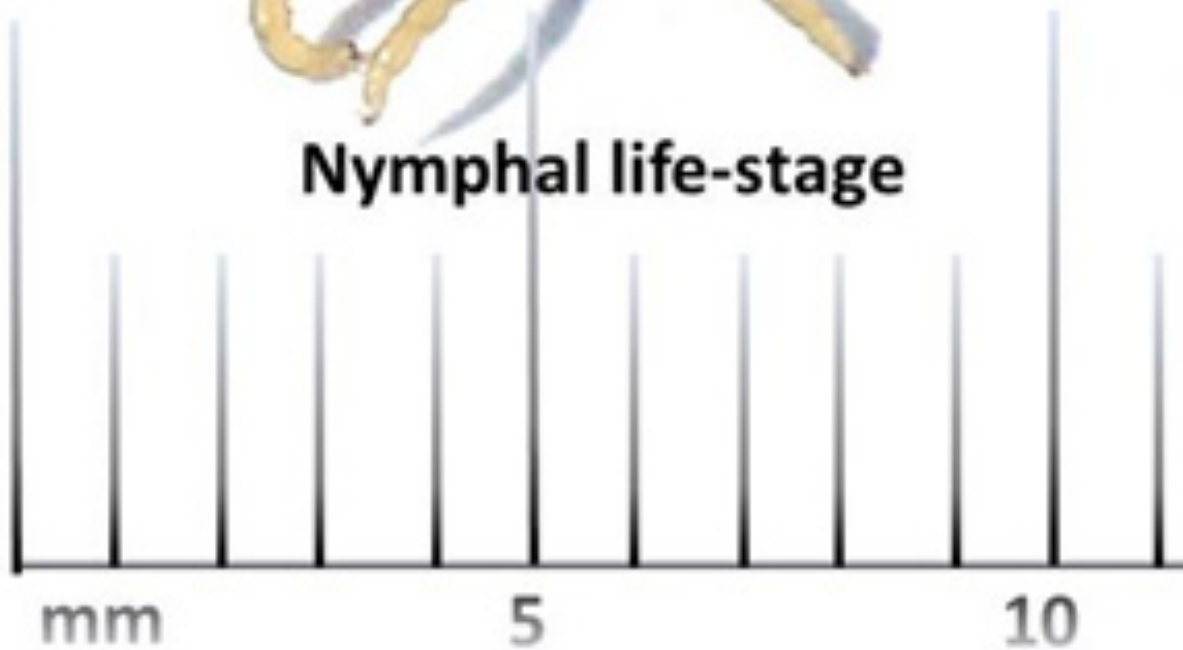
- Order:
  - Non-insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Pierce-Sucking
- Significance:
  - Pest







**Nymphal life-stage**



# 121. Spittle Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





# 122. Spotted Cucumber Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







# 123. Springtail

- Order:
  - Collembola
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable





# 124. Squash Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest







# 125. Stag Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 126. Stonefly

- Order:
  - Plecoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 127. Sucking Louse

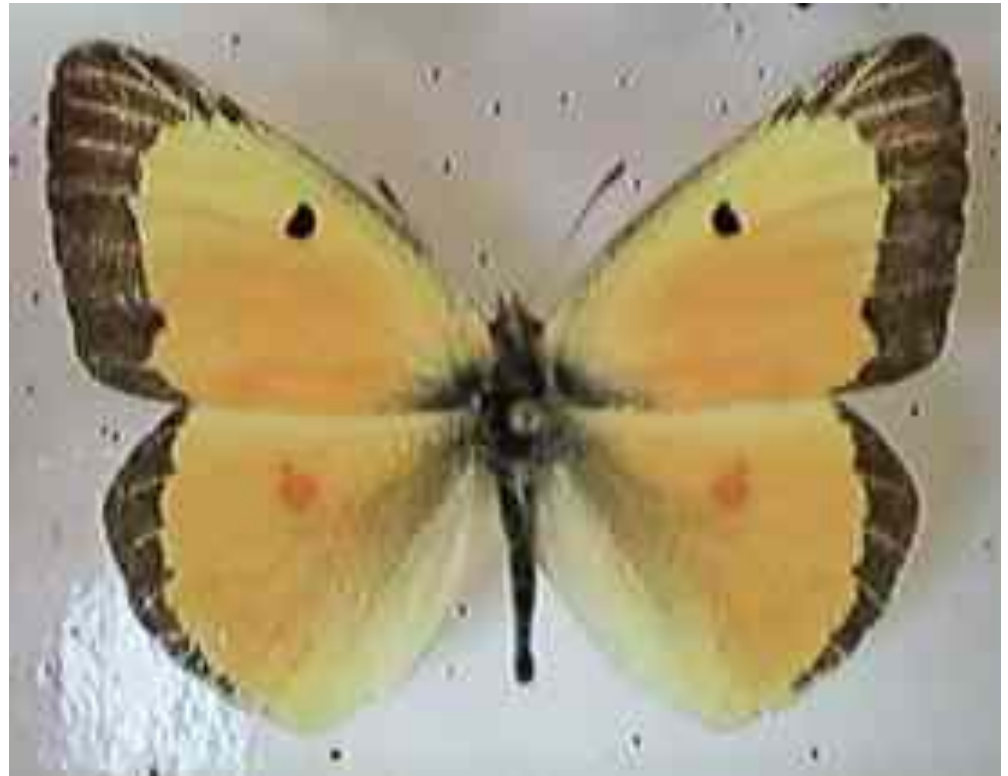
- Order:
  - Phthiraptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





# 128. Sulphur Butterfly

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Pest







# 129. Swallowtail Butterfly

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Beneficial







# 130. Syrphid Fly

- Order:
  - Diptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Sponging
- Significance:
  - Variable







# 131. Tarantula Hawk

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable





# 132. Tarnished Plant Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest







# 133. Termite

- Order:
  - Isoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 134. Thrips

- Order:
  - Thysanoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Rasping-Sucking
- Significance:
  - Variable







# 135. Tiger Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 136. Toad Bug

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Beneficial







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# 137. Tobacco Hornworm

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest







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# 138. Tree Cricket

- Order:
  - Orthoptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 139. Treehopper

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





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# 140. Trichogramma Wasp

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 141. Tumbling Flower Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 142. Velvet Ant

- Order:
  - Hymenoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







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# 143. Viceroy Butterfly

- Order:
  - Lepidoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Siphoning
- Significance:
  - Beneficial









# 144. Vinegaroon

- Order:
  - Non-Insect
- Metamorphosis:
  - Ametabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable







# 145. Walking Stick

- Order:
  - Phasmatodea
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Variable





# 146. Water Boatmen

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Beneficial







# 147. Water Strider

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Beneficial





# 148. Whirligig Beetle

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Beneficial







# 149. White Grub Larva

- Order:
  - Coleoptera
- Metamorphosis:
  - Holometabolous
- Mouth Parts:
  - Chewing
- Significance:
  - Pest





# 150. Whitefly

- Order:
  - Hemiptera
- Metamorphosis:
  - Hemimetabolous
- Mouth Parts:
  - Piercing-Sucking
- Significance:
  - Pest





