

## Host List of Indiana Aphids (*Homoptera: Aphididae*)

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### Abstract

A list that gives the common and/or scientific names of 173 plant species, which are hosts for 218 species of aphids in Indiana is presented. Included are 8 species of aphids reported in Indiana for the first time.

Accompanying an alphabetical list of hosts are the names of aphid species occurring on each. Eight new records of aphids from the state are listed with annotations. Some of these species, it is believed, have been referred to previously in the literature by other investigators under general nomenclature but not by their scientific names. The hosts are cross referenced by common name with the corresponding scientific names where known.

### New Indiana Records of Aphids

Unless noted, all collections were made by the author.

*Aphis abbreviata* (Patch). Buckthorn Aphid.

*Aphis rhamni* Fonscolombe.

*Aphis frangulae* Kalt.

Okra. Elkhart Co., Sept. 26, 1974.

*Cinara glabra* (Gillette & Palmer).

*Lachnus glabra* (Gillette & Palmer).

Austrian Pine, *Pinus niger* Arnold, Clinton Co., July 21, 1969.

*Cinara sibiricae* (Gillette & Palmer). American Juniper Aphid.

*Lachnus sibiricae* (Gillette & Palmer).

Prostrate juniper, *Juniperus horizontalis* L. Grant Co., June 3, 1969.

*Cinara thatcheri* Knowlton & Smith.

Austrian pine, *Pinus niger* Arnold, County not noted. July 9, 1968.

*Cinara winonkae* Hottes. American Arbor-vitae Aphid.

American arbor-vitae, *Thuja occidentalis* L, Vanderburgh Co., Aug. 17, 1972.

*Dysaphis tulipae* (Fonscolombe).

*Aphis iridis* Del Guercio.

*Gladiolus* sp., LaPorte Co., July 30, 1971.

*Mastopoda pteridis* Oestlund. Viburnum—Fern Aphid.

Common bracken fern, Elkhart Co., Aug. 30, 1972.

*Tuberolachnus saligna* (Gmel.). Giant Willow Aphid.

Wisconsin Willow, *Salix* sp., Howard Co., 1974.

### Hosts and Associated Aphids

Numbers following aphid species refer to the author's original article. "Preliminary Annotated List of Indiana Aphididae", Proc. Indiana Acad. Sci. 82:242-263. 1972. Species reported as new records are indicated as such. Additions will be made to this list.

1. *Acalypha virginica*  
*Aphis miadiradicis* Forbes. 249
2. *Achillea* sp.  
*Macrosiphum frigidicola*  
(Gillette & Palmer). 255
3. *Agrostis stalinifera*  
*Sipha flava* (Forbes). 247
4. Alfalfa, *Medicago* sp.  
*Macrosiphum creelii* Davis. 254
5. *Anemone cylindria*, Windflower.  
*Neomyzus circumflexus*  
(Buckton). 257
6. Apple, *Pyrus malus*.  
*Aphis avenae* Fab. 248  
*Dysaphis plantaginea*  
(Passerini). 251  
*Myzus persicae* (Sulzer). 257
7. *Aquilegia* sp.  
*Myzus essigi* (Gillette & Palmer).  
257
8. Arbor-vitae, American (*Thuja*)  
*occidentalis* (L.).  
*Cinara winonkae* Hottes. New
9. Ash, *Fraxinus* sp.  
*Prociphilus venafuscus*  
(Patch). 260
10. Ash, Mountain, *Pyrus americana*  
*Eriosoma lanigerum*  
(Hausmann). 258
11. *Aster* sp.  
*Aphis maidiradicis* Forbes. 249  
*Dactynotus rudbeckiae* (Fitch). 251  
*Prociphilus erigeronensis*  
(Thomas). 259
12. Barley, *Hordeum sativum*  
*Geaica squamosa* (Hart). 259
13. Basswood, *Tilia americana*  
*Chaitophorus smithiae*  
(Monell). 247  
*Longistigma longistigma*  
Wilson. 244  
*Setaphis viridis* van der Goot. 247
14. Bean, *Phaseolus* sp.  
*Aphis medicaginis* Koch. 249  
*Prociphilus erigeronensis*  
(Thomas). 259  
*Trifidaphis phaseoli*  
(Passerini). 260
15. *Begonia* sp.  
*Macrosiphum begoniae* Shout. 254
16. Birch, *Betula* sp.  
*Euceraphis betulae* (Koch). 245  
*Hamemielates spinosus* Shimer. 261
17. Black Locust, *Robinia pseudo-acacia*  
*Aphis medicaginis* Koch. 249
18. Blue Grass  
*Rhopalosiphum poae* Gillette. 252
19. Boxelder, *Acer negundo*  
*Drepanaphis acerifoliae*  
(Thomas). 246  
*Periphyllus negundinis*  
(Thomas). 247
20. *Brassica* sp., Brussel Sprouts  
*Brevicorone brassicae* (L.). 251
21. *Brassica* sp., Cabbage  
*Hyadaphis pseudobrassicae*  
(Davis). 253
22. *Bryophyllum* sp.  
*Myzus persicae* (Sulzer). 257
23. Calendula  
*Macrosiphum euphorbiae*. 254
24. *Callirhoe alcoeoides*  
*Aphis gossypii*. Glover. 248
25. Cannas  
*Macrosiphum euphorbiae*  
(Thomas). 254
26. *Capsella* sp., Shepherd Purse  
*Aphis maidiradicis* Forbes. 249
27. Carrot, Wild, *Daucus carota* L.  
*Rhopalosiphum melliferum*  
(Hottes). 252
28. Cherry, *Prunus* sp.  
*Aphis feminea* Hottes. 248  
*Aphis persicae-niger* Smith. 249  
*Myzus cerasi* (Fab.). 256
29. *Cineraria* sp.  
*Myzus persicae* (Sulzer). 257
30. Clover, Red, *Trifolium* sp.  
*Therioaphis trifolii* (Monell). 246
31. Cocklebur, *Xanthium* sp.  
*Prociphilus erigeronensis*  
(Thomas). 259
32. Corn, *Zea Mays*  
*Aphis armoraciae* Cowen. 248  
*Aphis maidiradicis* Forbes. 249  
*Rhopalosiphum maidis* (Fitch). 252
33. Coteaster  
*Aphis pomi* DeGreer. 249
34. Cotton, *Gossypium* sp.  
*Macrosiphum euphorbiae*  
(Thomas). 254
35. Cowpeas, *Vigna catjang*  
*Aphis medicaginis* Koch. 249
36. *Crataegus* sp., Crabapple  
*Aphis bakeri* Cowen. 248  
*Aphis brevis* Cowen. 248  
*Aphis pomi* DeGreer. 249
37. Crabgrass, *Digitaria sanguinalis*  
*Amphorophora singularis*  
Hottes & Frison. 253  
*Aphis maidiradicis* Forbes. 249
38. Currants, *Ribes* sp.  
*Cryptomzus ribis* (L.). 253
39. *Dahlia* sp.  
*Macrosiphum euphorbiae*  
(Thomas). 254  
*Prociphilus erigeronensis*  
(Thomas). 259  
*Rhopalosiphum maidis*  
(Fitch). 252
40. Dandelion, *Taraxacum* sp.  
*Anoecia corni* Fab. 243  
*Aphis maidiradicis* Forbes. 249

- Forda formicaria* Heyden. 260  
*Forda olivacea* Rohwer. 260  
*Trama rara* Mordvilko. 244  
*Trama troglodytes* Heyden. 244
41. Daucus carota L., see Wild carrot.  
 42. *Delphinium* sp.  
     *Pemphigus populitransversus*  
     (Riley). 259  
 43. Dock, *Rume* sp.  
     *Aphis maidiradicis* Forbes. 249  
 44. Dog-bane, *Apocynum* sp.  
     *Aphis lutescens* Monell. 249  
 45. Eggplant, *Solanum melongena*  
     *Macrosiphum euphorbiae*  
     (Thomas). 254  
 46. Elder, *Sambucus* sp.  
     *Aphis sambuci* L. 250  
 47. *Eleagnus austrifolia*  
     *Capitophorus hippophaes*  
     (Walker). 254  
     *Myzus claeagni* Del Guercio. 257  
 48. *Elymus canadense*  
     *Eriosoma americanum* (Riley). 258  
     *Gobaishia ulmifusus*  
     (Walsh & Riley). 258  
     *Rhopalosiphum rhois* Monell. 252  
 49. *Elymus virginicus*  
     *Forda occidentalis* Hart. 260  
 50. *Erigeron canadensis*  
     *Aphis middletonii* (Thomas). 249  
 51. *Euonymus europea*  
     *Aphis caliginosa*  
     Hottes & Frison. 248  
 52. *Euphorbia corollata*  
     *Macrosiphum euphorbiae*  
     (Thomas). 254  
 53. Fern, *Bracken* sp.  
     *Mastopoda pteridis* Oestlund. New  
 54. Fescue  
     *Geioica radiciola* (Essig). 259  
 55. *Forsythia* sp.  
     *Aphis gossypii* Glover. 248  
 56. Foxglove, *Digitalis* sp.  
     *Myzus persicae* (Sulzer). 257  
 57. Foxtail grass, *Setaria glauca*  
     *Aphis maidiradicis* Forbes. 249  
 58. Funkia lily, *Hosta* sp.  
     *Aphis gossypii* Glover. 248  
     *Rhopalosiphum maidis*  
     (Fitch). 252  
 59. *Gladiolus* sp.  
     *Aphis gladioli* Felt. 248  
     *Aphis gossypii* Glover. 248  
     *Dysaphis tulipae*  
     (Fonscolombe). New  
     *Myzus solani* (Kalt.). 257  
 60. Golden Glow, *Rudbeckia*  
     *laciniata* var. *hortensis*  
     *Dactynotus rudbeckiae* (Fitch). 251  
 61. Golden-rod  
     *Macrosiphum solidaginis*  
     (Fab.). 256
62. Gooseberry, *Ribes hirtellum*  
     *Cryptomzus ribis* (L.). 253  
     *Kakimia houghtonensis*  
     (Troop). 254  
 63. Grape, *Vitis* sp.  
     *Aphis illinoisensis* Shimer. 249  
     *Hyadaphis pseudobrassicae*  
     (Davis). 253  
     *Monellia caryae* (Monell). 245  
 64. Grapefruit, *Citrus grandis*  
     *Aphis gossypii* Glover. 248  
 65. Grasses, Misc. sp.  
     *Aphis maidiradicis* Forbes. 249  
     *Rhopalosiphum maidis* (Fitch). 252  
     *Neoceruraphis viburnicola*  
     (Gillette). 251  
     *Hyalopterus pruni* (Geoffroy). 252  
     *Colopha ulmisacculi* (Patch). 258  
     *Forda formicaria* Heyden. 260  
 66. Hens-and-Chickens  
     *Rhopalosiphum maidis* (Fitch). 252  
 67. Ivy, *Hedra helix*  
     *Aphis pseudohederae* Theobald. 250  
 68. Ivy, English  
     *Aphis hederae* Kalt. 249  
 69. Ivy, German  
     *Myzus monardae* (Davis). 257  
 70. Honeylocust, *Gleditsia triacanthos*  
     *Phenacaspis spiricola* D & M. 261  
 71. Honeysuckle, *Lonicera* sp.  
     *Aphis gossypii* Glover. 248  
 72. Horse Radish, *Radicula armoracia*  
     *Hyadaphis pseudobrassicae*  
     (Davis). 253  
 73. *Hibiscus* sp.  
     *Myzus persicae* (Sulzer). 257  
 74. Jimpson Weed, *Datura* sp.  
     *Macrosiphum euphorbiae*  
     (Thomas). 254  
 75. *Juniperus horizontalis*  
     *Cinara sibiricae*  
     (Gillette & Palmer). New  
 76. Kale, (*Brassica oleracea*)  
     *Brevicoryne brassicae* (L.). 251  
 77. Lamb's quarters, *Chenopodium* sp.  
     *Aphis gossypii* Glover. 248  
     *Aphis persicae-niger* Smith. 249  
     *Hyalopterus atriplicis* (L.). 252  
 78. *Lepidium rumex altissima*, Cress or  
     Peppergrass.  
     *Aphis maidiradicis* Forbes. 249  
 79. Lily, *Lilium* sp.  
     *Neomyzus circumflexus*  
     (Buckton). 257  
 80. *Lymus* sp.  
     *Forda occidentalis* Hart. 260  
 81. Mahonia, Oregon grape.  
     *Rhopalosiphum berberidis*  
     (Kalt). 252  
 82. Maple, Black, *Acer nigrum*.  
     *Drepanaphis monelli* (Davis). 246

83. Maple, Norway, *Acer plantoides*.  
*Drepanaphis monelli* (Davis). 246  
*Neoprociphilus aceris* (Monell). 259
84. Maple, soft, *Acer saccharum*.  
*Prociphilus tessellatus* (Fitch). 260
85. Melon, *Cucurbits*, sp.  
*Aphis gossypii* Glover. 248
86. Milkweed, *Asclepias* sp.  
*Aphis lutescens* Monell. 249  
*Myzocallis discolor* (Monell). 245  
*Myzocallis maureri* Swain. 245  
*Rhopalosiphum maidis* (Fitch). 252
87. Millet, *Panicum milaceum* L.  
*Sipha flava* (Florbes). 247
88. *Muhlenbergia* sp., (grass).  
*Anoecia querci* (Fitch). 243  
*Sipha flava* (Forbes). 247  
*Toxoptera muhlenbergiae*  
Phillips & Davis. 253
89. Mulberry, Red  
*Macrosiphum euphorbiae*  
(Thomas). 254
90. Nasturtiums, *Tropaeolum* sp.  
*Aphis gossypii* Glover. 248
91. *Nicotiana*, sp., Flowering.  
*Macrosiphum euphorbia*  
(Thomas). 254  
*Myzocallis aonidis* (Kalt.). 245  
*Myzocallis punctata*  
(Monell). 245  
*Periphyllus populicola*  
(Thomas). 247  
*Rhopalosiphum maidis* (Fitch). 252
92. Oak, *Quercus* sp.  
*Longistigma longistigma*  
Wilson. 244  
*Stegophylla quercicola*  
(Monell). 244
93. Oak, *Quercus palustris*  
*Drepanaphis acerifoliae*  
(Thomas). 246  
*Myzocallis bella* (Walsh). 245
94. Oak, *Quercus rubra*  
*Myzocallis punctata* (Monell). 245  
*Myzocallis walshii* (Monell). 246
95. Oak, *Quercus alba*  
*Neosymydobias albasiphus*  
(Davis). 246
96. Oats, *Avena* sp.  
*Schizaphis graminum*  
(Rondani). 253
97. Okra  
*Aphis abbreviata* (Patch). New
98. *Onchus* sp.  
*Dactynotus rudbeckiae*  
(Fitch). 251
99. Onions  
*Brevicoryne brassicae* (L.). 251
100. Palm  
*Cerataphis lataniae*  
(Boisduval). 260
101. *Panicum milaceum* L., see Millet.
102. Parsnip  
*Hyadaphis pastinacae* (L.). 253
103. *Parthenocissus quinquefolia*.  
*Aphis folsomii* Davis. 248
104. *Pastinaca sativa*  
*Hyadaphis siphocoryne*  
Xylaster. 253  
*Hyadaphis pastinacae* (L.). 253
105. Peanuts  
*Aphis bakeri* Cowen. 248
106. Peppers, green  
*Myzus persicae* (Sulzer). 257
107. Philodendron, cut-leaf  
*Macrosiphum euphorbiae*  
(Thomas). 254
108. Pigweed  
*Aphis maidiradicis* Forbes. 249
109. Pine, Austrian  
*Cinara pinea* (Mordvilko). 243  
*Cinara glabra* (Bill & Pal.). New  
*Cinara thatcheri*  
Knowlton & Smith. New  
*Eulachnus agilis* (Kalt.). 243  
*Neoprociphilus attenuatus*  
(Osborn & Serrine). 259
110. Pine, Jersey  
*Cinara schwarzi* (Wilson). 244
111. Pine, Red  
*Eulachnus rileyi* (Williams). 243
112. Pine, Scotch  
*Cinara pinea* (Mordvilko). 244
113. Plum  
*Aphis persicae-niger* Smith. 249
114. *Polygonum* sp.  
*Aspidaphis polygoni* Patch. 250
115. *Polygonum cristatum*  
*Macrosiphum venaefuscae*  
Davis. 250
116. *Polygonum* roots  
*Prociphilus erigeronensis*  
(Thomas). 259
117. *Polymiria canadensis*  
*Neomyzus circumflexus*  
(Buckton). 257
118. Poplar sp.  
*Longistigma caryae* Harris. 244  
*Mordvilkoja vagabunda*  
(Walsh). 259  
*Pemphigus populivenae*  
(Fitch). 259
119. *Populus carolina*  
*Mordvilkoja vagabunda*  
(Walsh). 259
120. *Populus deltoides*  
*Chaitophorus smithiae*  
(Monell). 247
121. Poppy  
*Aphis rumicis* L. 250  
*Macrosiphum euphorbiae*  
(Thomas). 254
122. Potato  
*Aphis gossypii* Glover. 248



- Hyalopterus atriplicis* (L.). 252  
*Macrosiphum euphorbiae*  
 (Thomas). 254  
*Rhopalosiphum fitchii*  
 (Sanderson). 252
124. Radish  
*Hyadaphis pseudobrassicae*  
 (Davis). 253
125. Ragweed  
*Aphis helianthi* Monell. 249  
*Dactynotus rudbeckiae*  
 (Fitch). 251  
*Prociphilus erigeronensis*  
 (Thomas). 259
126. Rhubarb  
*Aphis gossypii* Glover. 248  
*Macrosiphum euphorbiae*  
 (Thomas). 254  
*Myzus persicae* (Sulzer). 257
127. Romisae polium  
*Aphis lutescens* Monell. 249
128. *Rosa* sp.  
*Macrosiphum euphorbiae*  
 (Thomas). 254  
*Macrosiphum porosum*  
 (Sanderson). 256  
*Macrosiphum pseudodirhodum*  
 Patch. 255  
*Macrosiphum pseudorosae*  
 Patch. 255  
*Macrosiphum rosae* (L.). 255  
*Myzus lycopersici* (Clark). 257
129. *Rudbeckia laciniata*  
*Neomyzus circumflexus*  
 (Buckton). 257
130. Rye, *Lolium* sp.  
*Forda occidentalis* Hart. 260  
*Forda olivacea* Rohwer. 260  
*Macrosiphum granarium*  
 (Kirby). 255  
*Sipha flava* (Forbes). 247
131. Salsify  
*Prociphilus erigeronensis*  
 (Thomas). 259
132. *Silphium perfoliatum*  
*Dactynotus rudbeckiae* (Fitch). 251
133. Snapdragon  
*Myzus persicae* (Sulzer). 257
134. Smartweed, roots  
*Aphis maidiradicis* Forbes. 249
135. Snow-on-the-Mountain  
*Rhopalosiphum maidis* (Fitch). 252
136. Solidago  
*Pemphigus lactucae* Fitch. 259
137. *Sonchus oleraceus*  
*Rhopalosiphum sonchi*  
 Oestlund. 253
138. Sorghum  
*Rhopalosiphum maidis* (Fitch). 252
139. Soybeans  
*Aphis gossypii* Glover. 248
140. Spanish Needle  
*Prociphilus erigeronensis*  
 (Thomas). 259
141. *Spartina michauxiana*  
*Colopha graminis* (Monell). 258
142. Spirea, Anthony-water  
*Aphis gossypii* Glover. 248
143. *Spirea* sp.  
*Aphis spiraeophila* Patch. 250
144. Spruce, *Picea excelsa*  
*Cinara fornacula* Hottes. 243  
*Lachnus hyalinus*. 244
145. Sunflower  
*Rhopalosiphum maidis*  
 (Fitch). 252
146. Sweet Pea  
*Prociphilus erigeronensis*  
 (Thomas). 259
147. Sweet sultana  
*Aphis maidiradicis* Forbes. 249  
*Prociphilus erigeronensis*.  
 (Thomas). 259
148. Swiss Chard  
*Macrosiphum euphorbiae*  
 (Thomas). 254
149. Sycamore  
*Longistigma longistigma*  
 Wilson. 244
150. Thistle, Bull  
*Macrosiphum solidaginis*  
 (Fab.) 255
151. Tobacco  
*Muzus persicae* (Sulzer). 257
152. Tomato  
*Macrosiphum euphorbiae*  
 (Thomas). 254  
*Rhopalosiphum maidis* (Fitch). 252
153. Trumpet Vine  
*Anocia quercii* (Fitch). 243  
*Aphis helianthi* Monell. 249
154. Tulips  
*Macrosiphum euphorbiae*  
 (Thomas). 254
155. Turnips  
*Brevicoryne brassicae* (L.). 251  
*Hyadaphis pseudobrassicae*  
 (Davis). 253
156. *Verbena alternifolia*  
*Macrosiphum frigidae*  
 (Oestlund). 255
157. *Verbena* sp.  
*Myzus convolvuli* (Kalt.). 256
158. *Vernonia* sp.  
*Aphis vernoniae* Thomas. 250
159. *Viburnum dentatum*  
*Aphis viburniphila* Patch. 250
160. *Viburnum* sp.  
*Neoceruraphis viburnicola*  
 (Gill). 251
161. *Viburnum opulus*  
*Aphis spiraeicola* Patch. 250

162. *Vinca minor*  
*Neomyzus circumflexus*  
 (Buckton). 251
163. Watermelon  
*Aphis gossypii* Glover. 248
164. Willow, *Salix* sp.  
*Lachus salignus* (Gmelin). 244  
*Longistigma caryae* Harris. 244  
*Trioza maura* Patch. 261  
*Tuberolachnus saligna*  
 (Gmelin.). New
165. Willow, weeping, *Salix*, sp.  
*Chaitophorus populifoliae*  
 (Fitch). 247  
*Chaitophorus viminalis*  
 (Monell). 247
166. Wheat  
*Aphis avenae* Fab. 248  
*Forda occidentalis* Hart. 260  
*Rhopalosiphum fitchii*  
 (Sanderson). 252
167. Wild Lettuce  
*Dactynotus rudbeckiae* (Fitch). 251  
*Macrosiphum ambrosiae*  
 (Thomas). 254  
*Macrosiphum euphorbiae*  
 (Thomas). 254
- Rhopalosiphum maidis* (Fitch). 252  
*Trifidaphis phaseoli*  
 (Passerini). 250
168. Wild Mustard  
*Hyadaphis pseudobrassicae*  
 (Davis). 253
169. Wild Raspberry  
*Amphorophora senoriata*  
 Mason. 253
170. *Zinnia* sp.  
*Aphis maidiradicis* Forbes. 249  
*Prociphilus erigeronensis*  
 (Thomas). 259
171. *Yucca* sp.  
*Rhopalosiphum maidis* (Fitch). 252
172. Misc-  
 Ant's Nest  
*Aphis maidiradicis* Forbes. 249  
*Colopha ulmicola* (Fitch). 258  
*Erisoma lanigerum*  
 (Hausmann). 258  
*Forda formicaria* Heyden. 260  
*Prociphilus erigeronensis*  
 (Thomas). 259  
*Trifidaphis phaseoli*  
 (Passerini). 260
173. Fruits Misc-  
*Capitophorus minor* (Forbes). 254