



## **Insects and mites associated with Ontario forests: Classification, common names, main hosts and importance.**

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## **ABSTRACT**

This report was prepared to facilitate the use of scientific and common names of insects and mites dealt with by the forestry community of Ontario and includes most of the species recorded by the Forest Health Unit over the past 60 years. Insects and mites are arranged alphabetically by genus and species. Information provided for each entry includes order, family name, common name, host plant or insect type and a rating of current importance.

## **RÉSUMÉ**

Préparé en vue de faciliter l'emploi des noms scientifiques et vernaculaires des insectes et acariens auxquels les chercheurs forestiers de l'Ontario ont affaire, le présent rapport comporte la plupart des espèces enregistrées par la Unité de la santé des forêts au cours des 60 dernières années. La disposition adoptée est l'ordre alphabétique par genre et espèce. Pour chaque entrée l'information fournie comprend l'ordre, le nom de famille, le nom vernaculaire, la plante-hôte ou le type d'insecte et un paramètre d'importance courant.



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### Cover photos:

1. Cecropia moth, *Hyalophora cecropia*
2. Hiawatha Forest, Red pine plantation



## **PREFACE**

This report was originally prepared in 1971 and there have been several revisions to this report since then, the most recent being in 1994. It has been 12 years since the last revision and in those years there have been numerous nomenclature changes and several new insects have been identified in Ontario. These circumstances have compelled us to produce an update.

Previous editions of this report were available only in a printed format. The ongoing changes in scientific nomenclature, new insect collections, both native and alien, and printing costs have ultimately convinced us to produce this as an electronic publication. This new format will also allow for easier distribution and more frequent updates in the future.

We would like to acknowledge the previous authors, W.J. Miller, O.H. Lindquist, P.D. Syme and W.E. Britnell, for providing the foundation for this publication. We would also like to thank Karen Jamieson for her editorial guidance for this revision and to Mark Primavera for providing an updated cover.

Kathryn Nystrom and Isabelle Ochoa - November 2006





## INTRODUCTION

This report is an alphabetical listing by genus and species of most insects and mites received by the Forest Health Monitoring Unit, formerly, the Forest Insect and Disease Survey, in Ontario over the past 60 years. Also included are a few insects that are serious pests in other parts of Canada, but are not currently found in Ontario. The order and family name are given for each species. Only in one family, the Tortricidae (order Lepidoptera), have we attempted to separate subfamilies; we have used the term "Olethreutinae" where applicable. The scientific names are those in current use at the time of publication, and are taken from the most recent checklists, catalogues and other literature. Most of the names are those in current use at the Centre for Land and Biological Resources Research, formerly, the Biosystematics Research Centre, Agriculture Canada, which is the custodian of the Canadian National Collection of Insects. Common names were drawn from the entomological literature and in some cases in which no common name existed, a descriptive name was devised by the authors. Generalized names were used for less common species. In large part, the common names used have been approved by the Entomological Society of Canada and the Entomological Society of America. Great care has been taken to standardize the way in which authority names have been presented. The main host plant(s), if known, are listed for each species of phytophagous forest insect. The designation "general feeder" pertains to a combination of coniferous and deciduous hosts. Other non-phytophagous or subterranean forest insects as well as agricultural and household pests are, for the most part, classified only by insect type, such as parasite or predator. Each entry includes a current importance rating. These ratings are defined as follows:

- A of major importance, capable of killing or severely damaging trees or shrubs;
- B of moderate importance, capable of sporadic or localized injury to trees or shrubs;
- C of minor importance, not known to present a threat to living trees or shrubs;
- D beneficial, killing other insect pests;
- E of major importance in other parts of North America but not currently known to occur in Ontario;
- F insects of forest products or insects associated with the forest environment but not attacking forest trees or shrubs;
- G miscellaneous insects of no consequence in forestry.

This compilation should be useful to any individual who is periodically confronted with unfamiliar scientific names of forest insects and mites in Ontario. It should also serve as a general reference for stenographic and library staff, various other support groups of federal and provincial governments, and academic institutions in which forestry and related disciplines are taught. It is not intended as a nomenclatural authority for reporting of research.



## **1. ALPHABETICAL LISTING BY GENUS AND SPECIES**

**ALPHABETICAL LISTING BY GENUS AND SPECIES**

| Scientific name   | Order       | Family        | Common name                  | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|------------------------------|--------------------------------------|--------|
| <b><i>Abagrotis</i></b><br><i>alternata</i> (Grt.)  | Lepidoptera | Noctuidae     | mottled cutworm              | unknown                              | C      |
| <b><i>Abgrallaspis</i></b><br><i>ithacae</i> (Ferris)   | Homoptera   | Diaspididae   | hemlock scale                | spruce, fir, hemlock                 | C      |
| <b><i>Acalitus</i></b> (see also <b><i>Eriophyes</i></b> )<br><i>rudis</i> (Can.)                                     | Acari       | Eriophyidae   | birch budgall mite           | birch                                | C      |
| <b><i>Acantholyda</i></b><br><i>erythrocephala</i> (L.)   | Hymenoptera | Pamphiliidae  | pine false webworm           | pine                                 | A      |
| <i>luteomaculata</i> (Cress.)   | Hymenoptera | Pamphiliidae  | webspinning sawfly           | pine                                 | C      |
| <i>maculiventris</i> (Nort.)  | Hymenoptera | Pamphiliidae  | webspinning sawfly           | spruce, balsam fir                   | C      |
| <b><i>Aceria</i></b> (= <b><i>Eriophyes</i></b> in part)<br><i>campestricola</i> (Frauen.)                            | Acari       | Eriophyidae   | elm leafgall mite            | elm                                  | C      |
| [= <i>ulmi</i> (Gar.)]  |             |               |                              |                                      |        |
| <i>caulis</i> (Cook)  | Acari       | Eriophyidae   | velvet gall mite             | walnut                               | C      |
| <i>dispar</i> (Nal.)  | Acari       | Eriophyidae   | aspen leaf mite              | aspen                                | B      |
| <i>elongatus</i> (Hodg.)  | Acari       | Eriophyidae   | crimson erineum mite         | sugar maple                          | C      |
| <i>fraxiniflora</i> (Felt.)   | Acari       | Eriophyidae   | ash flower gall mite         | ash                                  | C      |
| [= <i>fraxinivorus</i> (Nal.)]  |             |               |                              |                                      |        |
| <i>negundi</i> (Hodg.)  | Acari       | Eriophyidae   | Manitoba maple gall mite     | Manitoba maple                       | C      |
| <i>parapopuli</i> (Keif.)   | Acari       | Eriophyidae   | poplar budgall mite          | poplar                               | C      |
| <i>populi</i> (Nal.)  | Acari       | Eriophyidae   | poplar gall mite             | poplar                               | C      |
| <i>semen</i> (Walsh)  | Acari       | Eriophyidae   | willow leafgall mite         | willow                               | C      |
| <b><i>Acericecis</i></b> (see also <b><i>Cecidomyia</i></b> and <b><i>Contarinia</i></b> )<br><i>ocellaris</i> (O.S.) | Diptera     | Cecidomyiidae | ocellate gall midge          | maple                                | C      |
| <b><i>Achatia</i></b> (= <b><i>Morrisonia</i></b> in part)<br><i>distincta</i> Hbn.                                   | Lepidoptera | Noctuidae     | owlet moth                   | deciduous                            | C      |
| <b><i>Acholla</i></b><br><i>multispinosus</i> (DeG.)  | Heteroptera | Reduviidae    | assassin bug                 | predator                             | D      |
| <b><i>Acleris</i></b> (= <b><i>Croesia</i></b> in part)<br><i>braunana</i> (McD.)                                     | Lepidoptera | Tortricidae   | alder leafroller             | alder, birch                         | C      |
| <i>caliginosana</i> (Wlk.)  | Lepidoptera | Tortricidae   | birch leafroller             | birch, alder                         | C      |
| <i>celiana</i> (Rob.)   | Lepidoptera | Tortricidae   | leafroller                   | deciduous                            | C      |
| <i>chalybeana</i> (Fern.)   | Lepidoptera | Tortricidae   | lesser maple leafroller      | maple                                | C      |
| <i>cornana</i> (McD.)   | Lepidoptera | Tortricidae   | dogwood leafroller           | dogwood, alder                       | C      |
| <i>emargana blackmorei</i> (Fab.)   | Lepidoptera | Tortricidae   | leafroller                   | willow, poplar                       | C      |
| <i>fuscana</i> (B. & Bsk.)  | Lepidoptera | Tortricidae   | small aspen leaftier         | deciduous                            | C      |
| <i>hudsoniana</i> (Wlk.)  | Lepidoptera | Tortricidae   | leafroller                   | general feeder                       | C      |
| <i>implexana</i> (Wlk.)   | Lepidoptera | Tortricidae   | leafroller                   | willow                               | C      |
| <i>kearfottana</i> (McD.)   | Lepidoptera | Tortricidae   | leafroller                   | ground plants                        | F      |
| <i>logiana</i> (Clerck)   | Lepidoptera | Tortricidae   | blackheaded birch leafroller | birch                                | C      |
| <i>maccana</i> (Tr.)  | Lepidoptera | Tortricidae   | leafroller                   | deciduous                            | C      |
| <i>minuta</i> (Rob.)  | Lepidoptera | Tortricidae   | yellowheaded fireworm        | leatherleaf                          | F      |
| <i>nigrolinea</i> (Rob.)  | Lepidoptera | Tortricidae   | leafroller                   | deciduous                            | C      |
| <i>nivisellana</i> (Wlsm.)  | Lepidoptera | Tortricidae   | leafroller                   | mountain-ash                         | C      |
| <i>oxycoccana</i> (Pack.)   | Lepidoptera | Tortricidae   | leafroller                   | blueberry                            | F      |
| <i>semiannulana</i> (Rob.)  | Lepidoptera | Tortricidae   | solitary birch leafroller    | birch                                | C      |
| [= <i>semiannula</i> (Rob.)]  |             |               |                              |                                      |        |
| <i>subnivana</i> (Wlk.)   | Lepidoptera | Tortricidae   | leafroller                   | oak                                  | C      |
| <i>variana</i> (Fern.)  | Lepidoptera | Tortricidae   | eastern blackheaded budworm  | spruce, balsam fir,<br>hemlock       | B      |

| Scientific name  | Order       | Family         | Common name                 | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|-----------------------------|--------------------------------------|--------|
| <b><i>Acmaeops</i></b> (see also <b><i>Gnathacmaeops</i></b> ) |             |                |                             |                                      |        |
| <b><i>p. proteus</i></b> (Kby.)                                | Coleoptera  | Cerambycidae   | longhorned beetle           | coniferous                           | C      |
| <b><i>Acordulecera dorsalis</i></b> Say                        | Hymenoptera | Tenthredinidae | sawfly                      | oak, nut trees                       | C      |
| <b><i>Acraspis erinacei</i></b> (Beut.)                        | Hymenoptera | Cynipidae      | gall wasp                   | oak                                  | C      |
| <b><i>Acrobasis</i></b>  |             |                |                             |                                      |        |
| <b><i>angusella</i></b> Grt.                                   | Lepidoptera | Pyralidae      | leafstem borer              | hickory, walnut                      | C      |
| <b><i>betulella</i></b> Hlst.                                  | Lepidoptera | Pyralidae      | birch tubemaker             | white birch                          | C      |
| <b><i>caryae</i></b> Grt.                                      | Lepidoptera | Pyralidae      | hickory shoot borer         | hickory                              | C      |
| <b><i>caryivorella</i></b> Rag.                                | Lepidoptera | Pyralidae      | shoot borer-and-tier        | hickory, walnut                      | C      |
| <b><i>comptoniella</i></b> Hlst.                               | Lepidoptera | Pyralidae      | sweetfern leaf casebearer   | sweetfern                            | F      |
| <b><i>demotella</i></b> Grt.                                   | Lepidoptera | Pyralidae      | walnut shoot moth           | hickory, walnut,<br>butternut        | A      |
| <b><i>juglandis</i></b> (LeB.)                                 | Lepidoptera | Pyralidae      | pecan leaf casebearer       | walnut, hickory                      | C      |
| <b><i>kearfottella</i></b> Dyar                                | Lepidoptera | Pyralidae      | tubemaker                   | hickory, butternut                   | C      |
| <b><i>rubrifasciella</i></b> Pack.                             | Lepidoptera | Pyralidae      | alder tubemaker             | alder                                | C      |
| <b><i>stigmella</i></b> Dyar                                   | Lepidoptera | Pyralidae      | hickory bud-and-shoot borer | hickory                              | C      |
| <b><i>sylviella</i></b> Ely                                    | Lepidoptera | Pyralidae      | ironwood tubemaker          | ironwood                             | C      |
| <b><i>tricolorella</i></b> Grt.                                | Lepidoptera | Pyralidae      | tubemaker                   | deciduous                            | C      |
| <b><i>Acrocercops albinatella</i></b> (Cham.)                  | Lepidoptera | Gracillariidae | leafminer moth              | red oak                              | C      |
| <b><i>Acronicta</i></b>  |             |                |                             |                                      |        |
| <b><i>afflicta</i></b> Grt.                                    | Lepidoptera | Noctuidae      | owlet moth                  | oak                                  | C      |
| <b><i>americana</i></b> (Harr.)                                | Lepidoptera | Noctuidae      | American dagger moth        | deciduous                            | C      |
| <b><i>clarescens</i></b> Gn.                                   | Lepidoptera | Noctuidae      | owlet moth                  | deciduous                            | C      |
| <b><i>dactylina</i></b> Grt.                                   | Lepidoptera | Noctuidae      | alder dagger moth           | deciduous                            | C      |
| <b><i>fragilis</i></b> (Gn.)                                   | Lepidoptera | Noctuidae      | fragile dagger moth         | deciduous                            | C      |
| <b><i>funeralis</i></b> G. & R.                                | Lepidoptera | Noctuidae      | paddle caterpillar          | deciduous                            | C      |
| <b><i>furcifera</i></b> Gn.                                    | Lepidoptera | Noctuidae      | forked dagger moth          | cherry                               | C      |
| <b><i>risea</i></b> Wlk.                                       | Lepidoptera | Noctuidae      | gray dagger moth            | cherry                               | C      |
| <b><i>haesitata</i></b> (Grt.)                                 | Lepidoptera | Noctuidae      | owlet moth                  | oak                                  | C      |
| <b><i>hasta</i></b> Gn.  | Lepidoptera | Noctuidae      | cherry dagger moth          | cherry                               | C      |
| <b><i>impleta</i></b> Wlk.                                     | Lepidoptera | Noctuidae      | owlet moth                  | deciduous                            | C      |
| <b><i>imprensa</i></b> Wlk.                                    | Lepidoptera | Noctuidae      | willow dagger moth          | deciduous                            | C      |
| <b><i>innotata</i></b> Gn.                                     | Lepidoptera | Noctuidae      | birch dagger moth           | deciduous                            | C      |
| <b><i>interrupta</i></b> Gn.                                   | Lepidoptera | Noctuidae      | owlet moth                  | deciduous                            | C      |
| <b><i>lanceolaria</i></b> (Grt.)                               | Lepidoptera | Noctuidae      | owlet moth                  | general feeder                       | C      |
| <b><i>leporina</i></b> (L.)                                    | Lepidoptera | Noctuidae      | poplar dagger moth          | deciduous                            | C      |
| <b><i>lepusculina</i></b> Gn.                                  | Lepidoptera | Noctuidae      | cottonwood dagger moth      | deciduous                            | C      |
| <b><i>lithospila</i></b> Grt.                                  | Lepidoptera | Noctuidae      | owlet moth                  | oak                                  | C      |
| <b><i>morula</i></b> G. & R.                                   | Lepidoptera | Noctuidae      | ochre dagger moth           | deciduous                            | C      |
| <b><i>oblinita</i></b> (J.E. Smith)                            | Lepidoptera | Noctuidae      | smear dagger moth           | general feeder                       | C      |
| <b><i>ovata</i></b> Grt.                                       | Lepidoptera | Noctuidae      | oak dagger moth             | oak                                  | C      |
| <b><i>quadrata</i></b> Grt.                                    | Lepidoptera | Noctuidae      | plum dagger moth            | cherry, plum                         | C      |
| <b><i>radcliffei</i></b> (Harv.)                               | Lepidoptera | Noctuidae      | owlet moth                  | deciduous                            | C      |
| <b><i>retardata</i></b> (Wlk.)                                 | Lepidoptera | Noctuidae      | maple dagger moth           | maple                                | C      |
| <b><i>sperata</i></b> Grt.                                     | Lepidoptera | Noctuidae      | owlet moth                  | deciduous                            | C      |
| <b><i>superans</i></b> Gn.                                     | Lepidoptera | Noctuidae      | owlet moth                  | deciduous                            | C      |
| <b><i>tristis</i></b> Sm.                                      | Lepidoptera | Noctuidae      | sad dagger moth             | beech, maple                         | C      |
| <b><i>vinnula</i></b> (Grt.)                                   | Lepidoptera | Noctuidae      | elm dagger moth             | white elm                            | C      |
| <b><i>Actebia fennica</i></b> (Tausch.)                        | Lepidoptera | Noctuidae      | black army cutworm          | general feeder                       | A      |

| Scientific name  | Order  | Family  | Common name  | Main host plant(s)<br>or insect type   | Rating                          |
|--|--|---|--|--|---------------------------------|
| <b>Actias</b><br><i>luna</i> (L.)  | Lepidoptera  | Saturniidae   | luna moth  | deciduous  | C                               |
| <b>Adalia</b><br><i>bipunctata</i> (L.)<br>[= <i>frigida</i> (Schn.)]  | Coleoptera   | Coccinellidae   | twospotted lady beetle   | predator   | D                               |
| <b>Adelges</b><br><i>abietis</i> (L.)  | Homoptera  | Adelgidae<br>(= Phylloxeridae)  | eastern spruce gall adelgid  | spruce   | B                               |
| <i>cooleyi</i> (Gill.)   | Homoptera  | Adelgidae   | Cooley spruce gall adelgid   | spruce, Douglas-fir  | C                               |
| <i>lariciatus</i> (Patch)  | Homoptera  | Adelgidae   | spruce gall adelgid  | spruce, larch  | B                               |
| <i>laricis</i> Vall.<br>[= <i>strobilobius</i> (Kltb.)]  | Homoptera  | Adelgidae   | pale spruce gall adelgid   | black spruce, larch  | C                               |
| <i>piceae</i> (Ratz.)  | Homoptera  | Adelgidae   | balsam woolly adelgid  | balsam fir   | E                               |
| <b>Adoxophyes</b><br><i>negundana</i> (McD.)   | Lepidoptera  | Tortricidae   | leafroller moth  | Manitoba maple   | C                               |
| <b>Adoxus</b> see <i>Bromius</i>   |  |   |  |  |                                 |
| <b>Aegeria</b> see <i>Sesia</i>  |  |   |  |  |                                 |
| <b>Aeshna</b><br><i>canadensis</i> Wlk.<br><i>umbrosa</i> Wlk.   | Odonata<br>Odonata   | Aeshnidae<br>Aeshnidae  | Canada damer<br>shadow damer   | predator<br>predator   | D<br>D                          |
| <b>Aethalura</b><br><i>intertexta</i> (Wlk.)   | Lepidoptera  | Geometridae   | loopers  | deciduous  | C                               |
| <b>Aethes</b> (see also <i>Phalonia</i> )<br><i>rutilana</i> (Hbn.)  | Lepidoptera  | Cochylidae  | pale juniper webworm   | juniper  | C                               |
| <b>Agathis</b><br><i>pumilus</i> (Ratz.)   | Hymenoptera  | Braconidae  | parasite   | larch casebearer   | D                               |
| <b>Aglais</b> see <i>Nymphalis</i>   |  |   |  |  |                                 |
| <b>Agonopterix</b><br><i>argillacea</i> (Wlsm.)<br><i>nigrinotella</i> (Bsk.)<br><i>robiniella</i> (Pack.)   | Lepidoptera<br>Lepidoptera<br>Lepidoptera  | Oecophoridae<br>Oecophoridae<br>Oecophoridae  | micro moth<br>micro moth<br>micro moth   | deciduous<br>hop-tree<br>locust  | C<br>C<br>C                     |
| <b>Agonum</b> see <i>Platynus</i>  |  |   |  |  |                                 |
| <b>Agrilus</b><br><i>anxius</i> Gory<br><i>bilineatus</i> (Web.)<br><i>egenus</i> Gory<br><i>liragus</i> B. & B.<br><i>planipennis</i> Fairmaire<br><i>politus</i> (Say)<br><i>ruficollis</i> (F.) | Coleoptera<br>Coleoptera<br>Coleoptera<br>Coleoptera<br>Coleoptera<br>Coleoptera<br>Coleoptera | Buprestidae<br>Buprestidae<br>Buprestidae<br>Buprestidae<br>Buprestidae<br>Buprestidae<br>Buprestidae | bronze birch borer<br>twolined chestnut borer<br>flatheaded wood borer<br>bronze poplar borer<br>emerald ash borer<br>willow gall limb borer<br>rednecked cane borer | birch<br>oak, chestnut<br>locust, hickory<br>poplar<br>ash<br>willow<br>blackberry | B<br>C<br>C<br>B<br>A<br>C<br>C |
| <b>Agriotes</b><br><i>collaris</i> (LeC.)<br><i>fucosus</i> (LeC.)<br><i>limosus</i> (LeC.)<br><i>mancus</i> (Say)<br><i>stabilis</i> (LeC.)   | Coleoptera<br>Coleoptera<br>Coleoptera<br>Coleoptera<br>Coleoptera                             | Elateridae<br>Elateridae<br>Elateridae<br>Elateridae<br>Elateridae                                    | click beetle<br>click beetle<br>little brown click beetle<br>wheat wireworm<br>click beetle  | soil insect<br>soil insect<br>soil insect<br>agricultural pest<br>soil insect      | F<br>F<br>F<br>F<br>F           |

| Scientific name                                       | Order       | Family         | Common name             | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|-------------------------|--------------------------------------|--------|
| <b>Agriphila</b> (= <i>Crambus</i> in part)           |             |                |                         |                                      |        |
| <i>uricolella</i> (Zell.)                             | Lepidoptera | Pyralidae      | webworm                 | grasses                              | F      |
| <i>vulgivagella</i> (Clem.)                           | Lepidoptera | Pyralidae      | vagabond crambus        | grasses                              | F      |
| <b>Agromyza</b>                                       |             |                |                         |                                      |        |
| <i>aristata</i> Mall.<br>(= <i>ulmi</i> Frost)        | Diptera     | Agromyzidae    | elm agromyzid leafminer | elm                                  | C      |
| <i>melampyga</i> (Loew)                               | Diptera     | Agromyzidae    | mock orange leafminer   | mock orange                          | C      |
| <b>Agroperina</b>                                     |             |                |                         |                                      |        |
| <i>dubitans cogitata</i> (Sm.)                        | Lepidoptera | Noctuidae      | cutworm                 | grass                                | F      |
| <i>d. dubitans</i> (Wik.)                             | Lepidoptera | Noctuidae      | cutworm                 | grass                                | F      |
| <b>Agrotis</b>  |             |                |                         |                                      |        |
| <i>ippsilon</i> (Hufn.)                               | Lepidoptera | Noctuidae      | black cutworm           | general feeder                       | C      |
| <i>mollis</i> Wik.                                    | Lepidoptera | Noctuidae      | cutworm                 | unknown                              | C      |
| <b>Alabama</b>  |             |                |                         |                                      |        |
| <i>argillacea</i> (Hbn.)                              | Lepidoptera | Noctuidae      | cotton leafworm         | unknown here                         | F      |
| <b>Alaus</b>  |             |                |                         |                                      |        |
| <i>oculatus</i> (L.)                                  | Coleoptera  | Elateridae     | eyed click beetle       | predator                             | D      |
| <b>Allantus</b>                                       |             |                |                         |                                      |        |
| <i>basalis</i> (Klug)                                 | Hymenoptera | Tenthredinidae | rose sawfly             | birch, rose                          | C      |
| <b>Alobates</b>                                       |             |                |                         |                                      |        |
| <i>pensylvanicus</i> (DeG.)                           | Coleoptera  | Tenebrionidae  | beetle                  | household pest                       | G      |
| <b>Alsophila</b>                                      |             |                |                         |                                      |        |
| <i>pometaria</i> (Harr.)                              | Lepidoptera | Geometridae    | fall cankerworm         | deciduous                            | A      |
| <b>Altica</b> (= <i>Macrohaltica</i> )                |             |                |                         |                                      |        |
| <i>ambiens</i> LeC.<br>(= <i>ambiens alni</i> Harris) | Coleoptera  | Chrysomelidae  | alder flea beetle       | alder                                | B      |
| <i>carinata</i> Germ.                                 | Coleoptera  | Chrysomelidae  | elm flea beetle         | elm                                  | B      |
| <i>chalybaea</i> Ill.                                 | Coleoptera  | Chrysomelidae  | grape flea beetle       | grape                                | F      |
| <i>corni</i> Woods                                    | Coleoptera  | Chrysomelidae  | dogwood flea beetle     | dogwood                              | C      |
| <i>populi</i> Brown                                   | Coleoptera  | Chrysomelidae  | poplar flea beetle      | poplar                               | C      |
| <i>rosae</i> Woods                                    | Coleoptera  | Chrysomelidae  | rose flea beetle        | rose                                 | C      |
| <i>subplicata</i> LeC.                                | Coleoptera  | Chrysomelidae  | willow flea beetle      | willow                               | C      |
| <i>tombacina</i> (Mann.)                              | Coleoptera  | Chrysomelidae  | flea beetle             | ground plants                        | F      |
| <i>ulmi</i> Woods                                     | Coleoptera  | Chrysomelidae  | elm flea beetle         | elm                                  | B      |
| <b>Alypia</b>   |             |                |                         |                                      |        |
| <i>langtoni</i> Couper                                | Lepidoptera | Noctuidae      | fireweed caterpillar    | fireweed                             | F      |
| <i>octomaculata</i> (F.)                              | Lepidoptera | Noctuidae      | eightspotted forester   | grapevine, virginia creeper          | C      |
| <b>Amara</b>  |             |                |                         |                                      |        |
| <i>interstitialis</i> Dej.                            | Coleoptera  | Carabidae      | ground beetle           | predator                             | D      |
| <b>Amathes</b> see <i>Xestia</i>                      |             |                |                         |                                      |        |
| <b>Amauronematus</b>                                  |             |                |                         |                                      |        |
| <i>fallax</i> (Lep.)                                  | Hymenoptera | Tenthredinidae | sawfly                  | white birch                          | C      |
| <i>gracilis</i> Marl.                                 | Hymenoptera | Tenthredinidae | sawfly                  | willow                               | C      |
| <i>histrion</i> (Lep.)                                | Hymenoptera | Tenthredinidae | sawfly                  | willow                               | C      |
| <i>neglectus</i> (Kby.)                               | Hymenoptera | Tenthredinidae | sawfly                  | willow                               | C      |

| Scientific name  | Order       | Family         | Common name                                 | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|---|--------------------------------------|--------|
| <b><i>Amblyptilia pica</i></b> (Wlsm.)                         | Lepidoptera | Pterophoridae  | plume moth                                  | unknown                              | C      |
| <b><i>Ametastegia recens</i></b> (Say)                         | Hymenoptera | Tenthredinidae | willow sawfly                               | deciduous                            | C      |
| <b><i>Ammophila arvensis</i></b> Lep.                          | Hymenoptera | Sphecidae      | wasp  | predator                             | D      |
| <b><i>Ampedus apicatus</i></b> (Say)                           | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>luctuosus</i></b> (LeC.)                                 | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>melanotoides</i></b> Brown                               | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>melsheimeri</i></b> (Leng)                               | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>mixtus</i></b> (Hbst.)                                   | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>pullus</i></b> Germ.                                     | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>semicinctus</i></b> (Rand.)                              | Coleoptera  | Elateridae     | click beetle                                | soil insect                          | F      |
| <b><i>Amphibolips confluenta</i></b> (Harr.)                   | Hymenoptera | Cynipidae      | spongy oakapple gall wasp                   | red oak                              | C      |
| <b><i>quercusinanis</i></b> (O.S.)                             | Hymenoptera | Cynipidae      | large oakapple gall wasp                    | red oak                              | C      |
| <b><i>Amphipyra pyramidoides</i></b> Gn.                       | Lepidoptera | Noctuidae      | rearhumped caterpillar,<br>copper underwing | deciduous                            | C      |
| <b><i>Anacamptodes (= Compsolechia) innocuella</i></b> (Zell.) | Lepidoptera | Gelechiidae    | darkheaded aspen leafroller                 | poplar                               | C      |
| <b><i>niveopulvella</i></b> (Cham.)                            | Lepidoptera | Gelechiidae    | paleheaded aspen leafroller                 | poplar                               | C      |
| <b><i>Anacamptodes</i></b> (see also <i>Iridopsis</i> )        |             |                |   |                                      |        |
| <b><i>ephyraria</i></b> (Wlk.)                                 | Lepidoptera | Geometridae    | looper                                      | deciduous                            | C      |
| <b><i>vellivolata</i></b> (Hlst.)                              | Lepidoptera | Geometridae    | looper                                      | coniferous                           | C      |
| <b><i>Anagasta</i></b> see <i>Ephestia</i>                     |             |                |   |                                      |        |
| <b><i>Anagoga occiduaria</i></b> (Wlk.)                        | Lepidoptera | Geometridae    | looper                                      | deciduous                            | C      |
| <b><i>Anagrapha falcifera</i></b> (Kby.)                       | Lepidoptera | Noctuidae      | celery looper                               | agricultural pest                    | G      |
| <b><i>Anaplectoides pressus</i></b> (Grt.)                     | Lepidoptera | Noctuidae      | dagger moth                                 | unknown                              | C      |
| <b><i>Anastrangalia (= Anoplodera) sanguinea</i></b> (LeC.)    | Coleoptera  | Cerambycidae   | longhorned beetle                           | unknown                              | C      |
| <b><i>Anathix puta</i></b> (G. & R.)                           | Lepidoptera | Noctuidae      | poplar catkin moth                          | poplar                               | C      |
| <b><i>Anatis labiculata</i></b> (Say)                          | Coleoptera  | Coccinellidae  | fifteenspotted lady beetle                  | predator                             | D      |
| <b><i>mali</i></b> (Say)                                       | Coleoptera  | Coccinellidae  | eyespotted lady beetle                      | predator                             | D      |
| <b><i>Anavitrinella pampinaria</i></b> (Gn.)                   | Lepidoptera | Geometridae    | cranberry spanworm                          | general feeder                       | C      |
| <b><i>Ancistronycha (= Cantharis) bilineata</i></b> (Say)      | Coleoptera  | Cantharidae    | twolined cantharid                          | predator                             | D      |



| Scientific name  | Order       | Family                         | Common name              | Main host plant(s)<br>or insect type | Rating |
|--|-------------|--------------------------------|--------------------------|--------------------------------------|--------|
| <b>Ancylis</b>   |             |                                |                          |                                      |        |
| <i>burgessiana</i> (Zell.)   | Lepidoptera | Tortricidae<br>(Olethreutinae) | oak leaffolder           | red oak                              | C      |
| <i>discigerana</i> (Wlk.)  | Lepidoptera | Tortricidae                    | yellow birch leaffolder  | birch                                | C      |
| <i>fuscociliana</i> (Clem.)  | Lepidoptera | Tortricidae                    | elm leaffolder           | elm, oak                             | C      |
| <i>mediofasciana</i> (Clem.)   | Lepidoptera | Tortricidae                    | serviceberry leaffolder  | serviceberry, cherry                 | C      |
| <i>mira</i> Heinr.   | Lepidoptera | Tortricidae                    | alder leaffolder         | alder                                | C      |
| <i>nubeculana</i> (Clem.)  | Lepidoptera | Tortricidae                    | cherry leaffolder        | deciduous                            | C      |
| <i>spiraefoliata</i> (Clem.)   | Lepidoptera | Tortricidae                    | ninebark leaffolder      | ninebark                             | C      |
| <i>subaequana</i> (Zell.)  | Lepidoptera | Tortricidae                    | willow leaffolder        | willow                               | C      |
| <b>Andricus</b>  |             |                                |                          |                                      |        |
| <i>quercusflocci</i> (Walsh)   | Hymenoptera | Cynipidae                      | gall wasp                | white oak                            | C      |
| <i>quercuspetiolicola</i> (Bass.)  | Hymenoptera | Cynipidae                      | gall wasp                | bur oak                              | C      |
| <i>quercussingularis</i> (Bass.)   | Hymenoptera | Cynipidae                      | small oakapple gall wasp | oak                                  | C      |
| <b>Androchirus</b>   |             |                                |                          |                                      |        |
| <i>erythropus</i> (Kby.)   | Coleoptera  | Tenebrionidae                  | combclawed beetle        | unknown                              | F      |
| <b>Anelaphus (= Elaphidionoides)</b>   |             |                                |                          |                                      |        |
| <i>parallelus</i> (Newm.)  | Coleoptera  | Cerambycidae                   | hickory twig pruner      | oak, hickory                         | C      |
| <i>villosus</i> (F.)   | Coleoptera  | Cerambycidae                   | twig pruner              | red oak                              | C      |
| <b>Anisocalvia</b> see <i>Calvia</i>   |             |                                |                          |                                      |        |
| <b>Anisota</b> (see also <i>Dryocampa</i> )  |             |                                |                          |                                      |        |
| <i>finlaysoni</i> Riotte   | Lepidoptera | Saturniidae                    | shorthorned oakworm      | oak                                  | A      |
| <i>senatoria</i> (J.E. Smith)  | Lepidoptera | Saturniidae                    | orangestriped oakworm    | oak                                  | A      |
| <i>stigma</i> (F.)   | Lepidoptera | Saturniidae                    | spiny oakworm            | oak                                  | C      |
| <i>virginiensis</i> (Drury)  | Lepidoptera | Saturniidae                    | pinkstriped oakworm      | oak                                  | B      |
| <b>Anobium</b>   |             |                                |                          |                                      |        |
| <i>punctatum</i> (DeG.)  | Coleoptera  | Anobiidae                      | furniture beetle         | dry wood                             | F      |
| <b>Anomoea</b>   |             |                                |                          |                                      |        |
| <i>latioclavia</i> (Först.)  | Coleoptera  | Chrysomelidae                  | claycoloured leaf beetle | deciduous                            | C      |
| <b>Anomogyna</b> see <i>Xestia</i>   |             |                                |                          |                                      |        |
| <b>Anopheles</b>   |             |                                |                          |                                      |        |
| <i>quadrimaculatus</i> Say   | Diptera     | Culicidae                      | common malaria mosquito  | biting flies                         | F      |
| <b>Anoplodera</b> see <i>Anastrangalia</i> , <i>Cosmosalia</i> , <i>Judolia</i> , <i>Lepturopsis</i> , <i>Metacmaeops</i> , <i>Pygoleptura</i> and <i>Strangalepta</i> |             |                                |                          |                                      |        |
| <b>Anoplonyx</b>   |             |                                |                          |                                      |        |
| <i>canadensis</i> Hgtn.  | Hymenoptera | Tenthredinidae                 | onelined larch sawfly    | larch                                | C      |
| <i>luteipes</i> (Cress.)   | Hymenoptera | Tenthredinidae                 | threelined larch sawfly  | larch                                | C      |
| <b>Anoplophora</b>   |             |                                |                          |                                      |        |
| <i>glabripennis</i> (Motschulsky)  | Coleoptera  | Cerambycidae                   | asian longhorned beetle  | maple, poplar, others                | A      |
| <b>Antaeotricha (= Stenoma)</b>  |             |                                |                          |                                      |        |
| <i>leucillana</i> (Zell.)<br>[= <i>algidella</i> (Wlk.)]   | Lepidoptera | Oecophoridae                   | micro moth               | deciduous                            | C      |
| <i>schlaegeri</i> (Zell.)  | Lepidoptera | Oecophoridae                   | micro moth               | birch                                | C      |
| <b>Anthaxia</b>  |             |                                |                          |                                      |        |
| <i>aeneogaster</i> Cast. & Gory  | Coleoptera  | Buprestidae                    | flatheaded wood borer    | unknown                              | C      |
| <i>viridicornis</i> (Say)<br>[= <i>viridifrons</i> (Gory)]   | Coleoptera  | Buprestidae                    | hickory twig borer       | elm, hickory                         | C      |

| Scientific name  | Order       | Family                         | Common name               | Main host plant(s)<br>or insect type | Rating |
|--|-------------|--------------------------------|---------------------------|--------------------------------------|--------|
| <b>Antheraea</b><br><i>polyphemus</i> (Cram.)                  | Lepidoptera | Saturniidae                    | polyphemus moth           | deciduous                            | C      |
| <b>Anthophyla</b> see <i>Choreutis</i>                         |             |                                |                           |                                      |        |
| <b>Anthophylax</b><br><i>attenuatus</i> (Hald.)                | Coleoptera  | Cerambycidae                   | mottled longhorned beetle | decaying hardwoods                   | C      |
| <i>cyaneus</i> (Hald.)<br>[= <i>malachiticus</i> (Hald.)]      | Coleoptera  | Cerambycidae                   | green longhorned beetle   | decaying hardwoods                   | C      |
| <b>Antispila</b><br><i>cornifoliella</i> Clem.                 | Lepidoptera | Heliozelidae                   | dogwood leafminer         | dogwood                              | C      |
| <i>nysaefoliella</i> Clem.                                     | Lepidoptera | Heliozelidae                   | tupelo leafminer          | blackgum                             | C      |
| <b>Apamea</b> (= <i>Crymodes</i> and <i>Protagrotis</i> )      |             |                                |                           |                                      |        |
| <i>amputatrix</i> (Fitch)                                      | Lepidoptera | Noctuidae                      | yellowheaded cutworm      | not known                            | F      |
| <i>devastator</i> (Brace)                                      | Lepidoptera | Noctuidae                      | glassy cutworm            | sod                                  | F      |
| <i>niveivenosa</i> (Grt.)                                      | Lepidoptera | Noctuidae                      | owlet moth                | unknown                              | C      |
| <b>Apantesis</b> see <i>Grammia</i>                            |             |                                |                           |                                      |        |
| <b>Apateticus</b>  |             |                                |                           |                                      |        |
| <i>bracteatus</i> (Fitch)                                      | Heteroptera | Pentatomidae                   | stink bug                 | predator                             | D      |
| <i>cynicus</i> (Say)   | Heteroptera | Pentatomidae                   | stink bug                 | predator                             | D      |
| <b>Aphania</b> see <i>Apotomis</i>                             |             |                                |                           |                                      |        |
| <b>Aphelia</b> (see also <i>Tortrix</i> and <i>Xenotemna</i> ) |             |                                |                           |                                      |        |
| <i>alleniana</i> (Fern.)                                       | Lepidoptera | Tortricidae                    | pine-and-clover tier      | pine, clover                         | C      |
| <b>Aphis</b>   |             |                                |                           |                                      |        |
| <i>maculatae</i> Oestl.  | Homoptera   | Aphididae                      | spotted poplar aphid      | poplar                               | C      |
| <i>pomi</i> DeG.   | Homoptera   | Aphididae                      | apple aphid               | apple                                | F      |
| <b>Aphodius</b>  |             |                                |                           |                                      |        |
| <i>erraticus</i> (L.)  | Coleoptera  | Scarabaeidae                   | scarab beetle             | unknown                              | C      |
| <i>fimetiarius</i> (L.)  | Coleoptera  | Scarabaeidae                   | scarab beetle             | unknown                              | C      |
| <i>fossor</i> (L.)   | Coleoptera  | Scarabaeidae                   | scarab beetle             | unknown                              | C      |
| <b>Aphrophora</b>  |             |                                |                           |                                      |        |
| <i>cribrata</i> (Wlk.)   | Homoptera   | Cercopidae                     | pine spittlebug           | nymphs and adults on                 | B      |
| <i>parallella</i> (Say)  | Homoptera   | Cercopidae                     | spruce spittlebug         | adults on conifers                   | C      |
| <i>saratogensis</i> (Fitch)                                    | Homoptera   | Cercopidae                     | Saratoga spittlebug       | adults on pine                       | B      |
| <b>Apion</b>   |             |                                |                           |                                      |        |
| <i>longirostre</i> Oliv.                                       | Coleoptera  | Apionidae                      | hollyhock weevil          | hollyhock                            | F      |
| <i>nigrum</i> Hbst.  | Coleoptera  | Apionidae                      | black locust seed weevil  | black locust                         | C      |
| <i>simile</i> Kby.   | Coleoptera  | Apionidae                      | birch catkin weevil       | birch                                | C      |
| <b>Apoda</b> (= <i>Limacodes</i> )                             |             |                                |                           |                                      |        |
| <i>y-inversum</i> (Pack.)                                      | Lepidoptera | Limacodidae                    | slug caterpillar          | beech                                | C      |
| <b>Apotomis</b> (= <i>Aphania</i> in part)                     |             |                                |                           |                                      |        |
| <i>albeolana</i> (Zell.)                                       | Lepidoptera | Tortricidae<br>(Olethreutinae) | leafroller                | birch                                | C      |
| <i>capreana</i> (Hbn.)   | Lepidoptera | Tortricidae                    | leafroller                | deciduous                            | C      |
| <i>deceptana</i> (Kft.)  | Lepidoptera | Tortricidae                    | leafroller                | aspen                                | C      |
| <i>dextrana</i> (McD.)   | Lepidoptera | Tortricidae                    | green aspen leafroller    | aspen                                | C      |
| <i>funerea</i> (Meyr.)   | Lepidoptera | Tortricidae                    | leafroller                | deciduous                            | C      |
| <i>tertiana</i> (McD.)   | Lepidoptera | Tortricidae                    | leafroller                | deciduous                            | C      |

| Scientific name                                   | Order       | Family         | Common name                | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|----------------------------|--------------------------------------|--------|
| <b><i>Arachnidomyia</i> (= <i>Sarcophaga</i>)</b> |             |                |                            |                                      |        |
| <b><i>aldrichi</i></b> (Park.)                    | Diptera     | Sarcophagidae  | parasite                   | parasite                             | D      |
| <b><i>Archiearis</i> (= <i>Brephos</i>)</b>       |             |                |                            |                                      |        |
| <b><i>infans</i></b> (Mösch.)                     | Lepidoptera | Geometridae    | looper                     | deciduous                            | C      |
| <b><i>Archips</i></b>                             |             |                |                            |                                      |        |
| <b><i>albata</i></b> (McD.)                       | Lepidoptera | Tortricidae    | spruce cone moth           | spruce                               | C      |
| <b><i>argyrospila</i></b> (Wlk.)                  | Lepidoptera | Tortricidae    | fruittree leafroller       | deciduous                            | C      |
| <b><i>cerasivorana</i></b> (Fitch)                | Lepidoptera | Tortricidae    | uglynest caterpillar       | cherry                               | B      |
| <b><i>dissitana</i></b> (Grt.)                    | Lepidoptera | Tortricidae    | spruce needle moth         | coniferous                           | C      |
| <b><i>fervidana</i></b> (Clem.)                   | Lepidoptera | Tortricidae    | oak webworm                | oak                                  | C      |
| <b><i>infumatana</i></b> (Zell.)                  | Lepidoptera | Tortricidae    | hickory webworm            | walnut, hickory                      | C      |
| <b><i>mortuana</i></b> Kft.                       | Lepidoptera | Tortricidae    | duskyback leafroller       | deciduous                            | C      |
| <b><i>myricana</i></b> (McD.)                     | Lepidoptera | Tortricidae    | leafroller                 | deciduous                            | C      |
| <b><i>negundana</i></b> (Dyar)                    | Lepidoptera | Tortricidae    | larger boxelder leafroller | Manitoba maple                       | B      |
| <b><i>packardiana</i></b> (Fern.)                 | Lepidoptera | Tortricidae    | spring spruce needle moth  | spruce, fir                          | C      |
| <b><i>purpurana</i></b> (Clem.)                   | Lepidoptera | Tortricidae    | omnivorous leafroller      | deciduous                            | C      |
| <b><i>rosana</i></b> (L.)                         | Lepidoptera | Tortricidae    | European leafroller        | deciduous                            | C      |
| <b><i>semiferana</i></b> (Wlk.)                   | Lepidoptera | Tortricidae    | oak leafroller             | oak                                  | C      |
| <b><i>striana</i></b> (Fern.)                     | Lepidoptera | Tortricidae    | lined spruce needleworm    | spruce, fir                          | C      |
| <b><i>Arctia</i></b>                              |             |                |                            |                                      |        |
| <b><i>caja americana</i></b> Harr.                | Lepidoptera | Arctiidae      | great tiger moth           | spruce, fir                          | C      |
| <b><i>Arge</i></b>                                |             |                |                            |                                      |        |
| <b><i>clavicornis</i></b> (F.)                    | Hymenoptera | Argidae        | willow argid               | deciduous                            | C      |
| <b><i>pectoralis</i></b> (Leach)                  | Hymenoptera | Argidae        | birch sawfly               | birch, alder,                        | B      |
| <b><i>scapularis</i></b> (Klug)                   | Hymenoptera | Argidae        | oak sawfly                 | oak, elm, birch, alder               | B      |
| <b><i>Argyresthia</i></b>                         |             |                |                            |                                      |        |
| <b><i>abies</i></b> Free.                         | Lepidoptera | Argyresthiidae | balsam fir tipminer        | balsam fir                           | C      |
| <b><i>affinis</i></b> Braun                       | Lepidoptera | Argyresthiidae | juniper leafminer          | red juniper                          | C      |
| <b><i>aureoargentella</i></b> Brower              | Lepidoptera | Argyresthiidae | cedar leafminer            | cedar                                | B      |
| <b><i>canadensis</i></b> Free.                    | Lepidoptera | Argyresthiidae | cedar leafminer            | cedar                                | B      |
| <b><i>freyella</i></b> Wlsm.                      | Lepidoptera | Argyresthiidae | red juniper leafminer      | red juniper                          | B      |
| <b><i>goedartella</i></b> (L.)                    | Lepidoptera | Argyresthiidae | birch ermine moth          | birch                                | C      |
| <b><i>laricella</i></b> Kft.                      | Lepidoptera | Argyresthiidae | larch shoot moth           | larch                                | B      |
| <b><i>mariana</i></b> Free.                       | Lepidoptera | Argyresthiidae | black spruce tipminer      | black spruce                         | C      |
| <b><i>oreasella</i></b> Clem.                     | Lepidoptera | Argyresthiidae | cherry shoot borer         | cherry                               | C      |
| <b><i>picea</i></b> Free.                         | Lepidoptera | Argyresthiidae | white spruce tipminer      | white spruce                         | C      |
| <b><i>pygmaeella</i></b> (D. & S.)                | Lepidoptera | Argyresthiidae | willow leaf-tier           | willow                               | C      |
| <b><i>thuiella</i></b> (Pack.)                    | Lepidoptera | Argyresthiidae | arborvitae leafminer       | cedar                                | A      |
| <b><i>Argyrotaenia</i></b>                        |             |                |                            |                                      |        |
| <b><i>juglandana</i></b> (Fern.)                  | Lepidoptera | Tortricidae    | hickory leafroller         | hickory                              | C      |
| <b><i>mariana</i></b> (Fern.)                     | Lepidoptera | Tortricidae    | graybanded leafroller      | deciduous                            | C      |
| <b><i>occultana</i></b> Free.                     | Lepidoptera | Tortricidae    | fall spruce needle moth    | coniferous                           | C      |
| <b><i>pinatubana</i></b> (Kft.)                   | Lepidoptera | Tortricidae    | pine tube moth             | white pine                           | C      |
| <b><i>quadrifasciana</i></b> (Fern.)              | Lepidoptera | Tortricidae    | fourlined leafroller       | cherry, serviceberry                 | C      |
| <b><i>quercifoliana</i></b> (Fitch)               | Lepidoptera | Tortricidae    | tortricid oakworm          | oak                                  | C      |
| <b><i>tabulana</i></b> Free.                      | Lepidoptera | Tortricidae    | jack pine tube moth        | jack pine                            | C      |
| <b><i>velutinana</i></b> (Wlk.)                   | Lepidoptera | Tortricidae    | redbanded leafroller       | general feeder                       | C      |
| <b><i>Arhopalus</i></b>                           |             |                |                            |                                      |        |
| <b><i>foveicollis</i></b> (Hald.)                 | Coleoptera  | Cerambycidae   | pitted longhorned beetle   | unknown                              | C      |
| <b><i>Aristotelia</i></b>                         |             |                |                            |                                      |        |
| <b><i>fungivorella</i></b> (Clem.)                | Lepidoptera | Gelechiidae    | micro moth                 | willow                               | C      |

| Scientific name  | Order       | Family           | Common name            | Main host plant(s)<br>or insect type | Rating |
|--|-------------|------------------|------------------------|--------------------------------------|--------|
| <b><i>Arthromacra aenea</i></b> (Say)  | Coleoptera  | Lagriidae        | metallic beetle        | scavenger                            | F      |
| <b><i>Artogeia</i> see <i>Pieris</i></b>   |             |                  |                        |                                      |        |
| <b><i>Asemum striatum</i></b> (L.)   | Coleoptera  | Cerambycidae     | opaque sawyer          | pine                                 | C      |
| <b><i>Asiphum</i> see <i>Pachypappa</i></b>  |             |                  |                        |                                      |        |
| <b><i>Asterocampa celtis</i></b> (Bdv. & LeC.)   | Lepidoptera | Nymphalidae      | hackberry butterfly    | hackberry                            | C      |
| <b><i>Asterodiaspis</i> (= <i>Asterolecanium</i>) <i>variolosa</i></b> (Ratz.)                 | Homoptera   | Asterolecaniidae | golden oak scale       | oak, chestnut                        | C      |
| <b><i>Asterolecanium</i> see <i>Asterodiaspis</i></b>  |             |                  |                        |                                      |        |
| <b><i>Atomacera debilis</i></b> Say  | Hymenoptera | Argidae          | trefoil sawfly         | trefoil                              | F      |
| <b><i>Atrusca</i> see <i>Cynips quercuscentricola</i></b> (O.S.)<br>(= <i>centricola</i> O.S.) | Hymenoptera | Cynipidae        | spotted oak apple wasp | oak                                  | C      |
| <b><i>Attelabus bipustulatus</i></b> F.  | Coleoptera  | Attelabidae      | leafrolling weevil     | deciduous                            | C      |
| <b><i>Atteva punctella</i></b> (Cram.)   | Lepidoptera | Yponomeutidae    | ailanthus webworm      | tree of heaven                       | C      |
| <b><i>Autographa ampla</i></b> (Wlk.)  | Lepidoptera | Noctuidae        | dagger moth            | deciduous                            | C      |
| <b><i>mappa</i></b> (G. & R.)  | Lepidoptera | Noctuidae        | dagger moth            | shrubs, plants                       | C      |
| <b><i>Automeris io</i></b> (F.)  | Lepidoptera | Saturniidae      | io moth                | deciduous                            | C      |
| <b><i>Badebecia</i> see <i>Orthotaenia</i></b>   |             |                  |                        |                                      |        |
| <b><i>Baileya dormitans</i></b> (Gn.)  | Lepidoptera | Nycteolidae      | macro moth             | deciduous                            | C      |
| <b><i>doubledayi</i></b> (Gn.)   | Lepidoptera | Nycteolidae      | macro moth             | alder                                | C      |
| <b><i>ophthalmica</i></b> (Gn.)  | Lepidoptera | Nycteolidae      | macro moth             | deciduous                            | C      |
| <b><i>Baliosus nervosus</i></b> (Panz.)  | Coleoptera  | Chrysomelidae    | basswood leafminer     | basswood                             | B      |
| <b><i>Balsa malana</i></b> (Fitch)   | Lepidoptera | Noctuidae        | owlet moth             | apple                                | C      |
| <b><i>Banasa dimiata</i></b> (Say)   | Heteroptera | Pentatomidae     | banasa stink bug       | predator                             | D      |
| <b><i>Barbara mappana</i></b> Free.  | Lepidoptera | Tortricidae      | cone moth              | balsam fir, white spruce             | C      |
| <b><i>Basilarchia</i> see <i>Limenitis</i></b>   |             |                  |                        |                                      |        |

| Scientific name   | Order       | Family        | Common name               | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|---------------------------|--------------------------------------|--------|
| <b>Bassareus</b><br><i>sellatus</i> Suffr.  | Coleoptera  | Chrysomelidae | leaf beetle               | deciduous                            | C      |
| <b>Batrachedra</b><br><i>praeangusta</i> (Haw.)   | Lepidoptera | Coleophoridae | poplar shoot moth         | poplar                               | C      |
| <b>Battaristis</b><br><i>vittella</i> (Bsk.)  | Lepidoptera | Gelechiidae   | micro moth                | pine                                 | C      |
| <b>Battus</b> (see also <b>Heraclides</b> , <b>Papilio</b> and <b>Pterourus</b> )<br><i>philenor</i> (L.) | Lepidoptera | Papilionidae  | pipevine swallowtail      | pipevine                             | C      |
| <b>Besma</b><br><i>endropiaria</i> (G. & R.)  | Lepidoptera | Geometridae   | looper                    | deciduous                            | C      |
| <i>quercivoraria</i> (Gn.)  | Lepidoptera | Geometridae   | looper                    | deciduous                            | C      |
| <b>Bessa</b><br><i>harveyi</i> (Townsend)   | Diptera     | Tachinidae    | parasitic fly             | parasite                             | D      |
| <b>Bibarrambla</b><br><i>allenella</i> (Wlsm.)  | Lepidoptera | Oecophoridae  | birch-and-alder leaf-tier | birch, alder                         | C      |
| <b>Bibio</b><br><i>xanthopus</i> Wied.  | Diptera     | Bibionidae    | March fly                 | vegetable matter                     | F      |
| <b>Biston</b><br><i>betularia cognataria</i> (Gn.)  | Lepidoptera | Geometridae   | pepper-and-salt moth      | deciduous                            | C      |
| <b>Blastobasis</b> (= <b>Valentinia</b> )<br><i>glandulella</i> (Riley)                                   | Lepidoptera | Blasotbasidae | acorn moth                | oak                                  | C      |
| <b>Blattella</b><br><i>germanica</i> (L.)   | Blattodea   | Blattellidae  | German cockroach          | household pest                       | G      |
| <b>Blepharidae</b><br><i>rhois</i> (Forst.)   | Coleoptera  | Chrysomelidae | sumac leaf beetle         | sumac                                | C      |
| <b>Boisea</b> (= <b>Leptocoris</b> )<br><i>trivittata</i> (Say)   | Heteroptera | Rhopalidae    | boxelder bug              | Manitoba maple                       | C      |
| <b>Bomolocha</b><br><i>abalienalis</i> (Wlk.)   | Lepidoptera | Noctuidae     | owlet moth                | deciduous                            | C      |
| <i>baltimoralis</i> (Gn.)   | Lepidoptera | Noctuidae     | owlet moth                | maple                                | C      |
| <i>bijugalis</i> (Wlk.)   | Lepidoptera | Noctuidae     | owlet moth                | dogwood                              | C      |
| <i>deceptalis</i> (Wlk.)  | Lepidoptera | Noctuidae     | basswood owlet moth       | basswood                             | C      |
| <i>palparia</i> (Wlk.)  | Lepidoptera | Noctuidae     | owlet moth                | deciduous                            | C      |
| <b>Bondia</b><br><i>comonana</i> (Kft.)   | Lepidoptera | Carposinidae  | micro moth                | cherry                               | C      |
| <b>Brachiacantha</b><br><i>decempustulata</i> (Melsh.)  | Coleoptera  | Coccinellidae | lady beetle               | predator                             | D      |
| <i>ursina</i> (F.)  | Coleoptera  | Coccinellidae | lady beetle               | predator                             | D      |
| <b>Brachyrhinus</b> see <b>Otiorhynchus</b>   |             |               |                           |                                      |        |
| <b>Brachys</b><br><i>aerosus</i> Melsh.<br>(= <i>rufescens</i> N. & W.)                                   | Coleoptera  | Buprestidae   | leafmining beetle         | oak, aspen                           | C      |
| <i>ovatus</i> (Web.)  | Coleoptera  | Buprestidae   | leafmining beetle         | oak, aspen                           | C      |

| Scientific name   | Order       | Family         | Common name                              | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|--|--------------------------------------|--------|
| <b>Brephos</b> see <b>Archiearis</b>                                      |             |                |  |                                      |        |
| <b>Brochymena</b><br><i>quadripustulata</i> (F.)                          | Heteroptera | Pentatomidae   | fourhumped stink bug,<br>rough stink bug | elm, oak, willow                     | D      |
| <b>Bromius</b> (= <b>Adoxus</b> )<br><i>obscurus</i> (L.)                 | Coleoptera  | Chrysomelidae  | western grape rootworm                   | deciduous                            | C      |
| <b>Brumoides</b> (= <b>Exochomus</b> )<br><i>s. septentrionis</i> (Weise) | Coleoptera  | Coccinellidae  | lady beetle                              | predator                             | D      |
| <b>Bucculatrix</b><br><i>ainsliella</i> Murt.                             | Lepidoptera | Lyonetiidae    | oak skeletonizer                         | oak                                  | C      |
| <i>canadensisella</i> Cham.   | Lepidoptera | Lyonetiidae    | birch skeletonizer                       | birch                                | A      |
| <b>Buprestis</b><br><i>fasciata</i> F.                                    | Coleoptera  | Buprestidae    | flatheaded wood borer                    | general                              | C      |
| <i>maculativentris</i> Say  | Coleoptera  | Buprestidae    | ventrally-spotted buprestid              | balsam fir, spruce                   | C      |
| <i>nuttalli</i> Kby.  | Coleoptera  | Buprestidae    | flatheaded wood borer                    | coniferous                           | C      |
| <i>striata</i> F.   | Coleoptera  | Buprestidae    | flatheaded wood borer                    | coniferous                           | C      |
| <b>Cabera</b><br><i>erythemia</i> Gn.                                     | Lepidoptera | Geometridae    | looper                                   | willow                               | C      |
| <i>variolaria</i> Gn.   | Lepidoptera | Geometridae    | looper                                   | deciduous                            | C      |
| <b>Cacopsylla</b> (= <b>Psylla</b> in part)<br><i>negundinis</i> Mally    | Homoptera   | Psyllidae      | boxelder psyllid                         | Manitoba maple                       | C      |
| <i>striata</i> (Patch)  | Homoptera   | Psyllidae      | birch psyllid                            | birch                                | C      |
| <b>Caenurgina</b><br><i>crassiuscula</i> (Haw.)                           | Lepidoptera | Noctuidae      | clover looper                            | clover                               | F      |
| <b>Caliroa</b><br><i>cerasi</i> (L.)                                      | Hymenoptera | Tenthredinidae | pear sawfly, pearslug                    | mountain-ash, fruit trees            | C      |
| <i>fasciata</i> (Nort.)   | Hymenoptera | Tenthredinidae | oakslug, oak sawfly                      | oak                                  | C      |
| <i>obsoleta</i> (Nort.)   | Hymenoptera | Tenthredinidae | oakslug sawfly, oak sawfly               | oak                                  | C      |
| <b>Callidium</b><br><i>frigidum</i> Casey                                 | Coleoptera  | Cerambycidae   | longhorned beetle                        | dead cedar, juniper                  | C      |
| <i>violaceum</i> (L.)   | Coleoptera  | Cerambycidae   | longhorned beetle                        | dead pine                            | C      |
| <b>Calligrapha</b><br><i>alni</i> Schaeff.                                | Coleoptera  | Chrysomelidae  | russet alder leaf beetle                 | alder                                | C      |
| <i>amator</i> Brown   | Coleoptera  | Chrysomelidae  | basswood leaf beetle                     | basswood                             | C      |
| <i>apicalis</i> Notm.   | Coleoptera  | Chrysomelidae  | alder leaf beetle                        | alder                                | C      |
| <i>confluens</i> Schaeff.   | Coleoptera  | Chrysomelidae  | alder leaf beetle                        | alder                                | C      |
| <i>ignota</i> Brown   | Coleoptera  | Chrysomelidae  | birch leaf beetle                        | birch                                | C      |
| <i>multipunctata</i><br><i>biggsbyana</i> (Kby.)                          | Coleoptera  | Chrysomelidae  | willow leaf beetle                       | willow, poplar                       | C      |
| <i>philadelphica</i> (L.)   | Coleoptera  | Chrysomelidae  | dogwood leaf beetle                      | deciduous                            | C      |
| <i>rhoda</i> Knab   | Coleoptera  | Chrysomelidae  | hazel leaf beetle                        | hazel                                | C      |
| <i>scalaris</i> (LeC.)  | Coleoptera  | Chrysomelidae  | elm calligrapha                          | elm                                  | C      |
| <i>tiliae</i> Brown   | Coleoptera  | Chrysomelidae  | basswood leaf beetle                     | basswood                             | C      |
| <b>Callirhytis</b><br><i>clavula</i> (O.S.)                               | Hymenoptera | Cynipidae      | white oak club gall wasp                 | oak                                  | C      |
| <i>cornigera</i> (O.S.)   | Hymenoptera | Cynipidae      | horned oak gall wasp                     | oak                                  | C      |
| <i>quercusfutilis</i> (O.S.)  | Hymenoptera | Cynipidae      | oak gall wasp                            | oak                                  | C      |
| <i>quercusgemmaria</i> (Ashm.)  | Hymenoptera | Cynipidae      | ribbed budgall wasp                      | oak                                  | C      |
| <i>quercusmodesta</i> (O.S.)  | Hymenoptera | Cynipidae      | oak gall wasp                            | oak                                  | C      |

| Scientific name  | Order       | Family         | Common name                  | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|------------------------------|--------------------------------------|--------|
| <b>Callirhytis</b> (cont'd)  |             |                |                              |                                      |        |
| <i>quercusoperator</i> (O.S.)  | Hymenoptera | Cynipidae      | woolly blossomgall wasp      | oak                                  | C      |
| <i>quercuspunctata</i> (Bass.)   | Hymenoptera | Cynipidae      | gouty oak gall wasp          | oak                                  | C      |
| <i>seminator</i> (Harr.)   | Hymenoptera | Cynipidae      | wool sower wasp              | oak                                  | C      |
| <i>tumifica</i> (O.S.)   | Hymenoptera | Cynipidae      | oak leafgall wasp            | oak                                  | C      |
| <b>Callophrys</b> see <i>Incisalia</i>   |             |                |                              |                                      |        |
| <b>Callopietria</b>  |             |                |                              |                                      |        |
| <i>cordata</i> (Ljungh)  | Lepidoptera | Noctuidae      | owlet moth                   | fern                                 | F      |
| <b>Callosamia</b>  |             |                |                              |                                      |        |
| <i>promethea</i> (Drury)   | Lepidoptera | Saturniidae    | promethea moth               | deciduous                            | C      |
| <b>Calopteryx</b>  |             |                |                              |                                      |        |
| <i>maculata</i> (Beauv.)   | Odonata     | Calopterygidae | ebony jewelwing              | predator                             | D      |
| <b>Caloptilia</b> (see also <b>Gracillaria</b> )   |             |                |                              |                                      |        |
| <i>alnivorella</i> (Cham.)   | Lepidoptera | Gracillariidae | alder leafminer              | alder                                | C      |
| <i>betulivora</i> McD.   | Lepidoptera | Gracillariidae | birch leafroller             | birch                                | C      |
| <i>burgessiella</i> (Zell.)  | Lepidoptera | Gracillariidae | dogwood leafroller           | dogwood                              | C      |
| <i>coroniella</i> (Clem.)  | Lepidoptera | Gracillariidae | birch leafroller             | birch                                | C      |
| <i>fraxinella</i> (Ely)  | Lepidoptera | Gracillariidae | privet leafminer             | ash                                  | C      |
| <i>invariabilis</i> (Braun)  | Lepidoptera | Gracillariidae | cherry leafcone caterpillar  | cherry                               | C      |
| <i>negundella</i> (Cham.)  | Lepidoptera | Gracillariidae | boxelder leafroller          | Manitoba maple                       | C      |
| <i>rhoifoliella</i> (Cham.)  | Lepidoptera | Gracillariidae | sumac leaf tip roller        | sumac                                | C      |
| <i>sassafrasella</i> (Cham.)   | Lepidoptera | Gracillariidae | sassafras leafroller         | sassafras                            | C      |
| <i>stigmatella</i> (F.)  | Lepidoptera | Gracillariidae | poplar-willow leafroller     | poplar, willow                       | C      |
| <i>strictella</i> (Wlk.)   | Lepidoptera | Gracillariidae | birch leafroller             | birch                                | C      |
| <i>umbratella</i> (Braun)  | Lepidoptera | Gracillariidae | maple leafroller             | maple                                | C      |
| <b>Calosoma</b>  |             |                |                              |                                      |        |
| <i>calidum</i> (F.)  | Coleoptera  | Carabidae      | fiery hunter                 | predator                             | D      |
| <i>frigidum</i> Kby.   | Coleoptera  | Carabidae      | ground beetle                | predator                             | D      |
| <i>scrutator</i> (F.)  | Coleoptera  | Carabidae      | ground beetle                | predator                             | D      |
| <b>Calvia</b> (= <i>Anisocalvia</i> )  |             |                |                              |                                      |        |
| <i>quatuordecimguttata</i> (L.)<br>[= <i>duodecimmaculata</i> (Geb.) in part]                      | Coleoptera  | Coccinellidae  | fourteenspotted lady beetle  | predator                             | D      |
| <b>Cameraria</b> (= <i>Lithocolletis</i> ) (see also <i>Phyllonorycter</i> and <i>Chrysaster</i> ) |             |                |                              |                                      |        |
| <i>aceriella</i> (Clem.)   | Lepidoptera | Gracillariidae | maple leafblotch miner       | maple                                | C      |
| <i>betulivora</i> (Wlsm.)  | Lepidoptera | Gracillariidae | birch leafblotch miner       | birch                                | C      |
| <i>caryaefoliella</i> (Clem.)  | Lepidoptera | Gracillariidae | hickory leafblotch miner     | hickory                              | C      |
| <i>cinnamomiella</i> (Cham.)   | Lepidoptera | Gracillariidae | gregarious oak leafminer     | oak                                  | C      |
| <i>fletcherella</i> (Braun)  | Lepidoptera | Gracillariidae | oak leafblotch miner         | oak                                  | C      |
| <i>hamadryadella</i> (Clem.)   | Lepidoptera | Gracillariidae | solitary oak leafminer       | oak                                  | B      |
| <i>hamameliella</i> (Bsk.)   | Lepidoptera | Gracillariidae | witch-hazel leafblotch miner | witch-hazel                          | C      |
| <i>macrocarpella</i> (F. & B.)   | Lepidoptera | Gracillariidae | oak leafblotch miner         | oak                                  | C      |
| <i>ostryarella</i> (Cham.)   | Lepidoptera | Gracillariidae | ironwood leafblotch miner    | ironwood                             | C      |
| <i>quercivorella</i> (Cham.)   | Lepidoptera | Gracillariidae | oak leafblotch miner         | oak                                  | C      |
| <i>ulmella</i> (Cham.)   | Lepidoptera | Gracillariidae | elm leafblotch miner         | elm                                  | C      |
| <b>Camnula</b>   |             |                |                              |                                      |        |
| <i>pellucida</i> (Scudd.)  | Orthoptera  | Acrididae      | clearwinged grasshopper      | ground plants                        | F      |
| <b>Campaea</b>   |             |                |                              |                                      |        |
| <i>perlata</i> (Gn.)   | Lepidoptera | Geometridae    | fringed looper               | general feeder                       | C      |

| Scientific name  | Order       | Family         | Common name                 | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|-----------------------------|--------------------------------------|--------|
| <b>Camponotus</b>  |             |                |                             |                                      |        |
| <i>herculeanus</i> (L.)  | Hymenoptera | Formicidae     | boreal carpenter ant        | dry wood                             | C      |
| <i>novaeboracensis</i> (Fitch)   | Hymenoptera | Formicidae     | red and black carpenter ant | dry wood                             | C      |
| <i>pennsylvanicus</i> (DeG.)   | Hymenoptera | Formicidae     | black carpenter ant         | dry wood                             | C      |
| <b>Canarsia</b>  |             |                |                             |                                      |        |
| <i>ulmiarrosorella</i> (Clem.)   | Lepidoptera | Pyralidae      | elm leaf-tier               | elm                                  | C      |
| <b>Cantharis see <i>Ancistronycha</i> and <i>Rhaxonycha</i></b>  |             |                |                             |                                      |        |
| <b>Caripeta</b>  |             |                |                             |                                      |        |
| <i>angustiorata</i> Wlk.   | Lepidoptera | Geometridae    | brown pine looper           | coniferous                           | C      |
| <i>divisata</i> Wlk.   | Lepidoptera | Geometridae    | gray spruce looper          | coniferous                           | C      |
| <i>piniata</i> (Pack.)   | Lepidoptera | Geometridae    | northern pine looper        | pine, spruce                         | C      |
| <b>Carposina</b>   |             |                |                             |                                      |        |
| <i>fernaldana</i> Bsk.   | Lepidoptera | Carposinidae   | micro moth                  | deciduous fruits                     | C      |
| <b>Carulaspis</b>  |             |                |                             |                                      |        |
| <i>juniperi</i> (Bouché)   | Homoptera   | Diaspididae    | juniper scale               | juniper, cedar                       | C      |
| <b>Carynota</b>  |             |                |                             |                                      |        |
| <i>stupidia</i> (Wlk.)   | Homoptera   | Membracidae    | stupid treehopper           | birch                                | C      |
| <b>Cassida</b>   |             |                |                             |                                      |        |
| <i>rubiginosa</i> O.F. Müll.   | Coleoptera  | Chrysomelidae  | green tortoise beetle       | thistles                             | F      |
| <b>Catabena</b>  |             |                |                             |                                      |        |
| <i>lineolata</i> Wlk.  | Lepidoptera | Noctuidae      | owlet moth                  | ground plants                        | F      |
| <b>Catocala</b>  |             |                |                             |                                      |        |
| <i>antinympa</i> (Hbn.)  | Lepidoptera | Noctuidae      | sweetfern underwing         | sweet fern                           | C      |
| <i>blandula</i> Hbst.  | Lepidoptera | Noctuidae      | gray-blue underwing         | hawthorn                             | C      |
| <i>briseis</i> Edw.  | Lepidoptera | Noctuidae      | briseis underwing           | poplar, willow                       | C      |
| <i>cara</i> Gn.  | Lepidoptera | Noctuidae      | darling underwing           | willow                               | C      |
| <i>cerogama</i> Gn.  | Lepidoptera | Noctuidae      | yellowbanded underwing      | basswood, poplar                     | C      |
| <i>concumbens</i> Wlk.   | Lepidoptera | Noctuidae      | pink underwing              | willow, trembling                    | C      |
| <i>habilis</i> Grt.  | Lepidoptera | Noctuidae      | hickory underwing           | butternut, ash                       | C      |
| <i>ilia</i> (Cram.)  | Lepidoptera | Noctuidae      | ilia underwing              | red oak                              | C      |
| <i>patrix</i> Grt.   | Lepidoptera | Noctuidae      | underwing moth              | walnut, ash                          | C      |
| <i>relicta</i> Wlk.  | Lepidoptera | Noctuidae      | white underwing             | poplar, willow                       | C      |
| <i>relecta</i> Grt.  | Lepidoptera | Noctuidae      | yellowgray underwing        | hickory                              | C      |
| <i>sordida</i> Grt.  | Lepidoptera | Noctuidae      | blueberry underwing         | blueberry                            | C      |
| <i>ultronia</i> (Hbn.)   | Lepidoptera | Noctuidae      | plum tree underwing         | cherry, plum                         | C      |
| <i>unijuga</i> Wlk.  | Lepidoptera | Noctuidae      | oncemarried underwing       | poplar, willow                       | C      |
| <b>Catoptria (= <i>Crambus</i> in part)</b>  |             |                |                             |                                      |        |
| <i>latiradiella</i> (Wlk.)   | Lepidoptera | Pyralidae      | webworm                     | grasses                              | F      |
| <b>Caulocampus</b>   |             |                |                             |                                      |        |
| <i>acericaulis</i> (MacG.)   | Hymenoptera | Tenthredinidae | maple petiole borer         | maple                                | C      |
| <b>Cecidomyia (see also <i>Acericecis</i>, <i>Contarinia</i>, <i>Macrodiplosis</i> and <i>Resseliella</i>)</b> |             |                |                             |                                      |        |
| <i>piniinopis</i> O.S.<br>(= <i>banksianae</i> Vock.)  | Diptera     | Cecidomyiidae  | jack pine midge             | jack pine                            | C      |
| <i>resinicola</i> (O.S.)<br>(= <i>reeksi</i> Vock.)  | Diptera     | Cecidomyiidae  | jack pine resin midge       | jack pine                            | C      |
| <i>resinicoloides</i> F.X.Wlms.<br>(= <i>accola</i> Vock.)   | Diptera     | Cecidomyiidae  | Monterey pine resin midge   | jack pine                            | C      |
| <i>verrucicola</i> O.S.  | Diptera     | Cecidomyiidae  | linden wart gall midge      | basswood                             | C      |



| Scientific name   | Order       | Family        | Common name                 | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|-----------------------------|--------------------------------------|--------|
| <b><i>Cecidophyopsis</i></b> (see also <b><i>Eriophyes</i></b> )  |             |               |                             |                                      |        |
| <b><i>betulae</i></b> (Nal.)<br>[= <b><i>vermiformis</i></b> (Nal.)]  | Acari       | Eriophyidae   | birch "witches broom" mite  | birch                                | C      |
| <b><i>Celastrina</i></b>  |             |               |                             |                                      |        |
| <b><i>agriolus</i></b> (Cram.)<br>[= <b><i>ladon</i></b> (Cram.)]   | Lepidoptera | Lycaenidae    | spring azure                | deciduous                            | C      |
| <b><i>Celerio</i></b> see <b><i>Hyles</i></b>   |             |               |                             |                                      |        |
| <b><i>Celticecis</i></b> (= <b><i>Mayetiola</i></b> in part) (see also <b><i>Janetiella</i></b> and <b><i>Rhabdophaga</i></b> ) |             |               |                             |                                      |        |
| <b><i>celtiphyllia</i></b> (Felt)   | Diptera     | Cecidomyiidae | hackberry midge             | hackberry                            | C      |
| <b><i>spiniformis</i></b> (Patton)  | Diptera     | Cecidomyiidae | spiny hackberry gall midge  | hackberry                            | C      |
| <b><i>Cenopsis</i></b> see <b><i>Sparganothis</i></b>   |             |               |                             |                                      |        |
| <b><i>Cepgillettea</i></b>  |             |               |                             |                                      |        |
| <b><i>betulifoliae</i></b> Granovsky  | Homoptera   | Aphididae     | birch aphid                 | white birch                          | C      |
| <b><i>Cephalcia</i></b>   |             |               |                             |                                      |        |
| <b><i>fascipennis</i></b> (Cress.)  | Hymenoptera | Pamphiliidae  | spruce webspinning sawfly   | spruce                               | C      |
| <b><i>frontalis</i></b> (Westw.)  | Hymenoptera | Pamphiliidae  | pine webspinning sawfly     | red pine                             | C      |
| <b><i>Cephalcia</i></b> (cont'd)  |             |               |                             |                                      |        |
| <b><i>fulviceps</i></b> (Roh.)  | Hymenoptera | Pamphiliidae  | pine webspinning sawfly     | red and jack pine                    | C      |
| <b><i>marginata</i></b> Middlek.  | Hymenoptera | Pamphiliidae  | red pine webspinning sawfly | red pine                             | C      |
| <b><i>Cephaloon</i></b>   |             |               |                             |                                      |        |
| <b><i>lepturoides</i></b> Newm.   | Coleoptera  | Cephaloidea   | false leptura beetle        | decayed coniferous wood              | C      |
| <b><i>Ceratonia</i></b>   |             |               |                             |                                      |        |
| <b><i>amyntor</i></b> (Gey.)  | Lepidoptera | Sphingidae    | elm sphinx                  | deciduous                            | C      |
| <b><i>catalpae</i></b> (Bdv.)   | Lepidoptera | Sphingidae    | catalpa sphinx              | catalpa                              | C      |
| <b><i>undulosa</i></b> (Wlk.)   | Lepidoptera | Sphingidae    | waved sphinx                | ash                                  | C      |
| <b><i>Cerura</i></b> (see also <b><i>Furcula</i></b> )  |             |               |                             |                                      |        |
| <b><i>scitiscrpta canadensis</i></b> McD.   | Lepidoptera | Notodontidae  | forktailed caterpillar      | poplar, willow                       | C      |
| <b><i>scitiscrpta multiscrpta</i></b> Riley   | Lepidoptera | Notodontidae  | forktailed caterpillar      | poplar, willow                       | C      |
| <b><i>Ceruraphis</i></b>  |             |               |                             |                                      |        |
| <b><i>viburnicola</i></b> (Gill.)   | Homoptera   | Aphididae     | snowball aphid              | viburnum                             | C      |
| <b><i>Chaitophorus</i></b>  |             |               |                             |                                      |        |
| <b><i>populicola</i></b> Thos.  | Homoptera   | Aphididae     | smokeywinged poplar aphid   | poplar                               | C      |
| <b><i>viminalis</i></b> Monell  | Homoptera   | Aphididae     | willow aphid                | willow                               | C      |
| <b><i>Chalcoides</i></b> see <b><i>Crepidodera</i></b>  |             |               |                             |                                      |        |
| <b><i>Chalcophora</i></b>   |             |               |                             |                                      |        |
| <b><i>fortis</i></b> LeC.   | Coleoptera  | Buprestidae   | flatheaded pine borer       | dead pine                            | C      |
| <b><i>liberta</i></b> (Germ.)   | Coleoptera  | Buprestidae   | flatheaded pine borer       | dead pine                            | C      |
| <b><i>virginiensis</i></b> (Drury)  | Coleoptera  | Buprestidae   | sculptured pine borer       | dead pine                            | C      |
| <b><i>Chalepus</i></b> see <b><i>Odontota</i></b>   |             |               |                             |                                      |        |
| <b><i>Charadra</i></b>  |             |               |                             |                                      |        |
| <b><i>deridens</i></b> (Gn.)  | Lepidoptera | Noctuidae     | masked hairy caterpillar    | deciduous                            | C      |
| <b><i>Charidryas</i></b> (= <b><i>Melिताea</i></b> )  |             |               |                             |                                      |        |
| <b><i>nycteis</i></b> (Dbly.)   | Lepidoptera | Nymphalidae   | silvery checkerspot         | poplar                               | C      |

| Scientific name   | Order       | Family                      | Common name                  | Main host plant(s)<br>or insect type | Rating |
|---|-------------|-----------------------------|------------------------------|--------------------------------------|--------|
| <b>Chelymorpha cassidea</b> (F.)  | Coleoptera  | Chrysomelidae               | argus tortoise beetle        | milkweed, wild potato                | F      |
| <b>Chilocorus stigma</b> (Say)  | Coleoptera  | Coccinellidae               | twicestabbed lady beetle     | predator                             | D      |
| <b>Chionaspis</b> (= <b>Phenacaspis</b> )<br><b>americana</b> Johns.  | Homoptera   | Diaspididae<br>(= Coccidae) | elm scurfy scale             | elm                                  | C      |
| <b>corni</b> Cooley   | Homoptera   | Diaspididae                 | dogwood scale                | dogwood                              | C      |
| <b>furfura</b> (Fitch)  | Homoptera   | Diaspididae                 | scurfy scale                 | deciduous                            | C      |
| <b>lintneri</b> Comst.  | Homoptera   | Diaspididae                 | Lintner scale                | deciduous                            | C      |
| <b>pinifoliae</b> (Fitch)   | Homoptera   | Diaspididae                 | pine needle scale            | pine, spruce                         | C      |
| <b>Chionodes</b>  |             |                             |                              |                                      |        |
| <b>continuella</b> (Zell.)  | Lepidoptera | Gelechiidae                 | micro moth                   | white spruce                         | C      |
| <b>fomosella</b> (Murt.)<br>[= <b>vernella</b> (Murt.)]   | Lepidoptera | Gelechiidae                 | spring oak leafroller        | oak                                  | C      |
| <b>fuscomaculella</b> (Cham.)   | Lepidoptera | Gelechiidae                 | micro moth                   | oak                                  | C      |
| <b>obscurusella</b> (Cham.)   | Lepidoptera | Gelechiidae                 | boxelder leafworm            | maple, oak                           | C      |
| <b>terminimaculella</b> (Kft.)  | Lepidoptera | Gelechiidae                 | micro moth                   | poplar                               | C      |
| <b>thoraceochrella</b> (Cham.)  | Lepidoptera | Gelechiidae                 | micro moth                   | oak                                  | C      |
| <b>Chlorochlamys chloroleucaria</b> (Gn.)   | Lepidoptera | Geometridae                 | blackberry looper            | blackberry                           | C      |
| <b>Chlorochroa uhleri</b> Stål  | Heteroptera | Pentatomidae                | stink bug                    | unknown                              | C      |
| <b>Choreutis</b> (= <b>Anthophyla</b> )   |             |                             |                              |                                      |        |
| <b>diana</b> (Hbn.)   | Lepidoptera | Choreutidae                 | micro moth                   | deciduous                            | C      |
| <b>pariana</b> (Cl.)  | Lepidoptera | Choreutidae                 | apple-and-thorn skeletonizer | apple                                | C      |
| <b>Choristoneura</b>  |             |                             |                              |                                      |        |
| <b>conflictana</b> (Wlk.)   | Lepidoptera | Tortricidae                 | large aspen tortrix          | poplar                               | B      |
| <b>fractivittana</b> (Clem.)  | Lepidoptera | Tortricidae                 | brokenbanded leafroller      | deciduous                            | C      |
| <b>fumiferana</b> (Clem.)   | Lepidoptera | Tortricidae                 | spruce budworm               | balsam fir, spruce                   | A      |
| <b>obsoletana</b> (Wlk.)  | Lepidoptera | Tortricidae                 | leafroller moth              | white birch                          | C      |
| <b>p. pinus</b> Free.   | Lepidoptera | Tortricidae                 | jack pine budworm            | jack pine                            | A      |
| <b>rosaceana</b> (Harr.)  | Lepidoptera | Tortricidae                 | obliquebanded leafroller     | deciduous                            | C      |
| <b>zapulata</b> (Rob.)  | Lepidoptera | Tortricidae                 | leafroller moth              | deciduous                            | C      |
| <b>Chramesus</b>  |             |                             |                              |                                      |        |
| <b>hicoriae</b> LeC.  | Coleoptera  | Scolytidae                  | hickory bark beetle          | hickory                              | C      |
| <b>Chrysaster</b> (see also <b>Cameraria</b> , <b>Lithocolletis</b> and <b>Phyllonorycter</b> )<br><b>ostensackenella</b> (Fitch) | Lepidoptera | Gracillariidae              | ironwood leafblotch miner    | ironwood                             | C      |
| <b>Chrysobothris</b>  |             |                             |                              |                                      |        |
| <b>cribraria</b> Mann.<br>(= <b>floricola</b> Gory)   | Coleoptera  | Buprestidae                 | flatheaded wood borer        | pine                                 | C      |
| <b>dentipes</b> (Germ.)   | Coleoptera  | Buprestidae                 | flatheaded wood borer        | pine, larch                          | C      |
| <b>femorata</b> (Oliv.)   | Coleoptera  | Buprestidae                 | flatheaded appletree borer   | deciduous                            | C      |
| <b>harrisii</b> (Hentz)   | Coleoptera  | Buprestidae                 | Harris' flatheaded borer     | pine                                 | C      |
| <b>scabripennis</b> Gory & Cast.  | Coleoptera  | Buprestidae                 | rough flatheaded borer       | pine, hemlock, spruce, fir           | C      |
| <b>trinervia</b> (Kby.)   | Coleoptera  | Buprestidae                 | threelined flatheaded borer  | pine, spruce                         | C      |
| <b>Chrysochus auratus</b> (F.)  | Coleoptera  | Chrysomelidae               | dogbane beetle               | dogbane                              | F      |

| Scientific name   | Order       | Family                            | Common name                   | Main host plant(s)<br>or insect type | Rating |
|---|-------------|-----------------------------------|-------------------------------|--------------------------------------|--------|
| <b>Chrysomela</b>   |             |                                   |                               |                                      |        |
| <i>crotchi</i> Brown  | Coleoptera  | Chrysomelidae                     | aspen leaf beetle             | aspen                                | B      |
| <i>falsa</i> Brown  | Coleoptera  | Chrysomelidae                     | willow-and-poplar leaf beetle | poplar, willow                       | C      |
| <i>interrupta</i> F.  | Coleoptera  | Chrysomelidae                     | alder leaf beetle             | alder, poplar                        | C      |
| <i>k. knabi</i> Brown                                       | Coleoptera  | Chrysomelidae                     | spotted willow leaf beetle    | willow, poplar                       | C      |
| <i>laurentia</i> Brown                                      | Coleoptera  | Chrysomelidae                     | willow-and-poplar leaf beetle | poplar, willow                       | C      |
| <i>lineatopunctata</i> (Forst.)                             | Coleoptera  | Chrysomelidae                     | willow-and-poplar leaf beetle | poplar                               | C      |
| <i>m. mainensis</i> Bech.                                   | Coleoptera  | Chrysomelidae                     | alder leaf beetle             | alder                                | C      |
| <i>scripta</i> F.   | Coleoptera  | Chrysomelidae                     | cottonwood leaf beetle        | poplar, willow                       | C      |
| <i>walshi</i> Brown   | Coleoptera  | Chrysomelidae                     | balsam poplar leaf beetle     | poplar                               | C      |
| <b>Chrysopa</b> see <i>Chrysoperla</i>                      |             |                                   |                               |                                      |        |
| <b>Chrysopelia</b> see <i>Stilbosis</i>                     |             |                                   |                               |                                      |        |
| <b>Chrysoperla</b> (= <i>Chrysopa</i> )                     |             |                                   |                               |                                      |        |
| <i>carnea</i> (Steph.)                                      | Neuroptera  | Chrysopidae                       | common green lacewing         | predator                             | D      |
| <b>Chrysops</b>   |             |                                   |                               |                                      |        |
| <i>carbonarius</i> Wlk.                                     | Diptera     | Tabanidae                         | deer fly                      | biting flies                         | F      |
| <b>Chrysoteuchia</b> (= <i>Crambus</i> in part)             |             |                                   |                               |                                      |        |
| <i>topiaria</i> (Zell.)                                     | Lepidoptera | Pyralidae                         | cranberry girdler             | cranberry                            | F      |
| <b>Cicindela</b>  |             |                                   |                               |                                      |        |
| <i>l. longilabris</i> Say                                   | Coleoptera  | Carabidae<br>(= Cicindelidae)     | tiger beetle                  | predator                             | D      |
| <b>Cimberis</b>   |             |                                   |                               |                                      |        |
| <i>elongata</i> (LeC.)                                      | Coleoptera  | Nemonychidae<br>(= Curculionidae) | pine weevil                   | pine                                 | C      |
| <b>Cimbex</b>   |             |                                   |                               |                                      |        |
| <i>americana</i> Leach                                      | Hymenoptera | Cimbicidae                        | elm sawfly                    | deciduous                            | C      |
| <b>Cinara</b>   |             |                                   |                               |                                      |        |
| <i>banksiana</i> P. & T.                                    | Homoptera   | Aphididae                         | jack pine aphid               | jack pine                            | C      |
| <i>braggii</i> (Gill.)                                      | Homoptera   | Aphididae                         | spruce aphid                  | spruce                               | C      |
| <i>canatra</i> H. & B.                                      | Homoptera   | Aphididae                         | jack pine aphid               | jack pine                            | C      |
| <i>coloradensis</i> (Gill.)                                 | Homoptera   | Aphididae                         | spruce aphid                  | white spruce                         | C      |
| <i>confinis</i> (Koch )<br>[= <i>abieticola</i> (Cholodk.)] | Homoptera   | Aphididae                         | balsam fir aphid              | balsam fir                           | C      |
| <i>cupressi</i> (Buckton)                                   | Homoptera   | Aphididae                         | cedar aphid                   | cedar                                | C      |
| <i>curvipes</i> (Patch)                                     | Homoptera   | Aphididae                         | balsam fir aphid              | balsam fir                           | C      |
| <i>fornacula</i> Hottes                                     | Homoptera   | Aphididae                         | green spruce aphid            | spruce                               | C      |
| <i>gracilis</i> (Wils.)                                     | Homoptera   | Aphididae                         | jack pine aphid               | jack pine                            | C      |
| <i>harmonia</i> (Hottes)                                    | Homoptera   | Aphididae                         | red pine aphid                | red pine                             | C      |
| <i>hottesi</i> (G. & P.)                                    | Homoptera   | Aphididae                         | spruce aphid                  | spruce                               | C      |
| <i>juniperi</i> (DeGeer)                                    | Homoptera   | Aphididae                         | juniper aphid                 | juniper                              | C      |
| <i>laricifex</i> (Fitch)                                    | Homoptera   | Aphididae                         | black larch aphid             | larch                                | C      |
| <i>laricis</i> (Htg.)                                       | Homoptera   | Aphididae                         | larch aphid                   | larch                                | C      |
| <i>ontarioensis</i> Brad.                                   | Homoptera   | Aphididae                         | jack pine needle aphid        | jack pine                            | C      |
| <i>pergandei</i> (Wils.)                                    | Homoptera   | Aphididae                         | jack pine aphid               | jack pine                            | C      |
| <i>pinea</i> (Mordvilko)                                    | Homoptera   | Aphididae                         | Scots pine aphid              | pine                                 | C      |
| <i>pinivora</i> (Wils.)                                     | Homoptera   | Aphididae                         | Scots pine aphid              | pine                                 | C      |
| <i>pruinosa</i> (Htg.)<br>[= <i>palmerae</i> (Gill.)]       | Homoptera   | Aphididae                         | spruce aphid                  | spruce                               | C      |
| <i>strobi</i> (Fitch)                                       | Homoptera   | Aphididae                         | white pine aphid              | white pine                           | C      |

| Scientific name   | Order       | Family                    | Common name                | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------------------|----------------------------|--------------------------------------|--------|
| <b>Cincticornia</b><br><i>pilulae</i> (Beut.)                                 | Diptera     | Cecidomyiidae             | oak pillgall midge         | oak                                  | C      |
| <b>Cingilia</b><br><i>catenaria</i> (Drury)                                   | Lepidoptera | Geometridae               | chainspotted geometer      | coniferous, ground plants            | C      |
| <b>Cisseps</b><br><i>fulvicollis</i> (Hbn.)                                   | Lepidoptera | Arctiidae<br>(= Amatidae) | yellowcollared scapemoth   | unknown                              | C      |
| <b>Cladara</b> (= <i>Nyctobia</i> )<br><i>atroliturata</i> (Wlk.)             | Lepidoptera | Geometridae               | looper                     | deciduous                            | C      |
| <i>limitaria</i> (Wlk.)   | Lepidoptera | Geometridae               | yellowlined conifer looper | coniferous                           | C      |
| <b>Clastoptera</b><br><i>obtusa</i> (Say)                                     | Homoptera   | Cercopidae                | alder spittlebug           | alder                                | C      |
| <i>proteus</i> Fitch  | Homoptera   | Cercopidae                | dogwood spittlebug         | dogwood                              | C      |
| <b>Clemensia</b><br><i>albata</i> Pack.                                       | Lepidoptera | Arctiidae                 | little white lichen moth   | coniferous                           | C      |
| <b>Clepsis</b><br><i>melaleucana</i> (Wlk.)                                   | Lepidoptera | Tortricidae               | leafroller                 | deciduous                            | C      |
| <i>persicana</i> (Fitch)  | Lepidoptera | Tortricidae               | white triangle leafroller  | general feeder                       | C      |
| <b>Clinodiplosis</b> (= <i>Itonida</i> )<br><i>canadensis</i> (Felt)          | Diptera     | Cecidomyiidae             | juneberry veingall midge   | juneberry                            | C      |
| <b>Clostera</b> (= <i>Ichthyura</i> )<br><i>albosigma</i> Fitch               | Lepidoptera | Notodontidae              | rustylined leaftier        | poplar                               | C      |
| <i>apicalis</i> (Wlk.)  | Lepidoptera | Notodontidae              | redmarked tentmaker        | poplar                               | C      |
| <i>inclusa</i> (Hbn.)   | Lepidoptera | Notodontidae              | poplar tentmaker           | poplar                               | C      |
| <i>strigosa</i> (Grt.)  | Lepidoptera | Notodontidae              | poplar leaftier            | poplar                               | C      |
| <b>Coccinella</b><br><i>hieroglyphica kirbyi</i> Crotch                       | Coleoptera  | Coccinellidae             | lady beetle                | predator                             | D      |
| <i>monticola</i> Muls.  | Coleoptera  | Coccinellidae             | lady beetle                | predator                             | D      |
| <i>novemnotata</i> Hbst.  | Coleoptera  | Coccinellidae             | ninespotted lady beetle    | predator                             | D      |
| <i>septempunctata</i> L.  | Coleoptera  | Coccinellidae             | sevenspotted lady beetle   | predator                             | D      |
| <i>transversoguttata</i><br><i>richardsoni</i> Brown                          | Coleoptera  | Coccinellidae             | transverse lady beetle     | predator                             | D      |
| <i>trifasciata perplexa</i> Muls.   | Coleoptera  | Coccinellidae             | threebanded lady beetle    | predator                             | D      |
| <i>u. undecimpunctata</i> L.  | Coleoptera  | Coccinellidae             | elevenspotted lady beetle  | predator                             | D      |
| <b>Coccobaphes</b><br><i>frontifer</i> (Wlk.)<br>(= <i>sanguinarius</i> Uhl.) | Heteroptera | Miridae                   | plant bug                  | unknown                              | C      |
| <b>Coleomegilla</b><br><i>maculata lengi</i> Timb.                            | Coleoptera  | Coccinellidae             | lady beetle                | predator                             | D      |
| <b>Coleophora</b><br><i>atromarginata</i> Braun                               | Lepidoptera | Coleophoridae             | oak casebearer             | oak                                  | C      |
| <i>cerasivorella</i> Pack.  | Lepidoptera | Coleophoridae             | fruittree casebearer       | fruit trees                          | C      |
| <i>comptoniella</i> (McD.)<br>(= <i>betulivora</i> McD.)                      | Lepidoptera | Coleophoridae             | lesser birch casebearer    | birch                                | C      |
| <i>laricella</i> (Hbn.)   | Lepidoptera | Coleophoridae             | larch casebearer           | larch                                | B      |
| <i>laticornella</i> Clem.<br>(= <i>caryaefoliella</i> Clem.)                  | Lepidoptera | Coleophoridae             | pecan cigar casebearer     | hickory                              | C      |
| <i>limosipennella</i> (Dup.)<br>(= <i>ulmifoliella</i> McD.)                  | Lepidoptera | Coleophoridae             | elm casebearer             | elm                                  | C      |

| Scientific name   | Order       | Family        | Common name                           | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|---------------------------------------|--------------------------------------|--------|
| <b>Coleophora</b> (cont'd)  |             |               |                                       |                                      |        |
| <i>malivorella</i> Riley  | Lepidoptera | Coleophoridae | pistol casebearer                     | deciduous                            | C      |
| <i>ostryae</i> Clem.  | Lepidoptera | Coleophoridae | ironwood casebearer                   | ironwood                             | C      |
| <i>pruniella</i> Clem.<br>(= <i>innotabilis</i> Braun)                | Lepidoptera | Coleophoridae | cherry casebearer                     | deciduous                            | C      |
| <i>querciella</i> Clem.   | Lepidoptera | Coleophoridae | oak casebearer                        | oak                                  | C      |
| <i>serratella</i> (L.)<br>(= <i>fuscedinella</i> Zell.)               | Lepidoptera | Coleophoridae | birch casebearer,<br>cigar casebearer | birch                                | E      |
| <i>tiliaefoliella</i> Clem.   | Lepidoptera | Coleophoridae | basswood casebearer                   | basswood                             | C      |
| <b>Coleotechnites</b> (= <i>Eucordylea</i> and <i>Pulicalvaria</i> )  |             |               |                                       |                                      |        |
| <i>apictripunctella</i> (Clem.)<br>[= <i>abietisella</i> (Pack.)]     | Lepidoptera | Gelechiidae   | green hemlock needleminer             | hemlock                              | C      |
| <i>atrupictella</i> (Dietz)   | Lepidoptera | Gelechiidae   | spruce micro moth                     | coniferous                           | C      |
| <i>blastovora</i> (McLeod)  | Lepidoptera | Gelechiidae   | spruce micro moth                     | spruce                               | C      |
| <i>canusella</i> (Free.)  | Lepidoptera | Gelechiidae   | banded jack pine needleminer          | jack pine                            | C      |
| <i>carbonarius</i> (Free.)  | Lepidoptera | Gelechiidae   | juniper needleminer                   | juniper                              | C      |
| <i>coniferella</i> (Kft.)   | Lepidoptera | Gelechiidae   | pine needleminer                      | pine                                 | C      |
| <i>ducharmei</i> (Free.)  | Lepidoptera | Gelechiidae   | spruce needleminer                    | spruce                               | C      |
| <i>florae</i> (Free.)   | Lepidoptera | Gelechiidae   | red pine flower moth                  | red pine                             | C      |
| <i>gibsonella</i> (Kft.)  | Lepidoptera | Gelechiidae   | juniper needleminer                   | juniper                              | C      |
| <i>laricis</i> (Free.)  | Lepidoptera | Gelechiidae   | orange larch tubemaker                | larch                                | C      |
| <i>macleodi</i> (Free.)   | Lepidoptera | Gelechiidae   | brown hemlock needleminer             | hemlock                              | C      |
| <i>martini</i> (Free.)  | Lepidoptera | Gelechiidae   | spruce needleminer                    | spruce                               | C      |
| <i>piceaella</i> (Kft.)   | Lepidoptera | Gelechiidae   | orange spruce needleminer             | spruce                               | C      |
| <i>resinosae</i> (Free.)  | Lepidoptera | Gelechiidae   | red pine needleminer                  | red pine                             | C      |
| <i>thujaella</i> (Kft.)   | Lepidoptera | Gelechiidae   | brown cedar leafminer                 | cedar                                | B      |
| <b>Colias</b>   |             |               |                                       |                                      |        |
| <i>eurytheme</i> Bdv.   | Lepidoptera | Pieridae      | alfalfa caterpillar                   | legumes                              | F      |
| <i>philodice</i> Godt.  | Lepidoptera | Pieridae      | clouded sulphur                       | legumes                              | F      |
| <b>Colocasia</b>  |             |               |                                       |                                      |        |
| <i>flavicornis</i> (Sm.)  | Lepidoptera | Noctuidae     | owlet moth                            | deciduous                            | C      |
| <i>propinquilinea</i> (Grt.)  | Lepidoptera | Noctuidae     | owlet moth                            | deciduous                            | C      |
| <b>Colopha</b>  |             |               |                                       |                                      |        |
| <i>ulmicola</i> (Fitch)   | Homoptera   | Aphididae     | elm cockscombgall aphid               | elm                                  | C      |
| <b>Compsolechia</b> see <i>Anacamptis</i>                             |             |               |                                       |                                      |        |
| <b>Conophthorus</b>   |             |               |                                       |                                      |        |
| <i>coniperda</i> (Schw.)  | Coleoptera  | Scolytidae    | white pine cone beetle                | white pine                           | B      |
| <i>resinosae</i> Hopk.<br>(= <i>banksianae</i> McP.)                  | Coleoptera  | Scolytidae    | red pine cone beetle                  | jack and red pine                    | B      |
| <b>Conotrachelus</b>  |             |               |                                       |                                      |        |
| <i>juglandis</i> LeC.   | Coleoptera  | Curculionidae | butternut curculio                    | butternut                            | C      |
| <i>nenuphar</i> (Hbst.)   | Coleoptera  | Curculionidae | plum curculio                         | fruit trees                          | C      |
| <b>Contarinia</b> (see also <i>Cecidomyia</i> and <i>Acericecis</i> ) |             |               |                                       |                                      |        |
| <i>baeri</i> (Prell)  | Diptera     | Cecidomyiidae | European pine needle midge            | Scots and red pines                  | B      |
| <i>canadensis</i> Felt  | Diptera     | Cecidomyiidae | ash midribgall midge                  | ash                                  | C      |
| <i>negundifolia</i> Felt  | Diptera     | Cecidomyiidae | boxelder leafgall midge               | Manitoba maple                       | C      |
| <i>negundinis</i> (Gill.)   | Diptera     | Cecidomyiidae | boxelder budgall midge                | Manitoba maple                       | C      |
| <i>virginianiae</i> (Felt)  | Diptera     | Cecidomyiidae | chokecherry midge                     | chokecherry                          | C      |
| <b>Coptodisca</b>   |             |               |                                       |                                      |        |
| <i>splendoriferella</i> (Clem.)                                       | Lepidoptera | Heliozelidae  | resplendent shield bearer             | apple                                | C      |

| Scientific name   | Order       | Family         | Common name             | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|-------------------------|--------------------------------------|--------|
| <b>Corthylus</b><br><i>punctatissimus</i> (Zimm.)   | Coleoptera  | Scolytidae     | pitted ambrosia beetle  | maple                                | B      |
| <b>Corythucha</b><br><i>arcuata</i> (Say)   | Heteroptera | Tingidae       | oak lace bug            | oak                                  | B      |
| <i>associata</i> O. & D.  | Heteroptera | Tingidae       | birch lace bug          | birch                                | B      |
| <i>ciliata</i> (Say)  | Heteroptera | Tingidae       | sycamore lace bug       | sycamore                             | C      |
| <i>cydoniae</i> (Fitch)   | Heteroptera | Tingidae       | hawthorn lace bug       | hawthorn                             | C      |
| <i>elegans</i> Drake  | Heteroptera | Tingidae       | willow lace bug         | poplar, willow                       | B      |
| <i>heidemanni</i> Drake   | Heteroptera | Tingidae       | alder lace bug          | alder                                | C      |
| <i>juglandis</i> (Fitch)  | Heteroptera | Tingidae       | walnut lace bug         | deciduous                            | B      |
| <i>mollicula</i> O. & D.  | Heteroptera | Tingidae       | willow lace bug         | willow                               | C      |
| <i>pallipes</i> Parsh.  | Heteroptera | Tingidae       | birch lace bug          | deciduous                            | C      |
| <i>pergandei</i> Heid.  | Heteroptera | Tingidae       | alder lace bug          | deciduous                            | C      |
| <i>ulmi</i> O. & D.   | Heteroptera | Tingidae       | elm lace bug            | elm                                  | B      |
| <b>Cosmia</b><br><i>calami</i> (Harv.)  | Lepidoptera | Noctuidae      | owlet moth              | oak                                  | C      |
| <b>Cosmopepla</b><br><i>pentatoma</i><br><i>bimaculata</i> (Thos.)  | Heteroptera | Pentatomidae   | twospotted stink bug    | predator                             | D      |
| <b>Cosmosalia</b> (= <b>Anoplodera</b> in part)<br><i>chrysocoma</i> (Kby.)                                       | Coleoptera  | Cerambycidae   | longhorned beetle       | unknown                              | C      |
| <b>Cosymbia</b> see <b>Cyclophora</b>   |             |                |                         |                                      |        |
| <b>Cotalpa</b><br><i>lanigera</i> (L.)  | Coleoptera  | Scarabaeidae   | goldsmith beetle        | poplar                               | C      |
| <b>Crambidia</b><br><i>casta</i> (Pack.)  | Lepidoptera | Arctiidae      | gray footman            | unknown                              | C      |
| <i>pallida</i> Pack.  | Lepidoptera | Arctiidae      | pale footman            | unknown                              | C      |
| <b>Crambus</b> (see also <b>Agriphila</b> , <b>Catoptria</b> and <b>Chrysoteuchia</b> )<br><i>agitellus</i> Clem. | Lepidoptera | Pyalidae       | webworm                 | grasses                              | F      |
| <i>girardellus</i> Clem.  | Lepidoptera | Pyalidae       | webworm                 | grasses                              | F      |
| <i>hamellus</i> (Thunb.)  | Lepidoptera | Pyalidae       | webworm                 | grasses                              | F      |
| <i>perlellus innotatellus</i> (Wlk.)  | Lepidoptera | Pyalidae       | webworm                 | grasses                              | F      |
| <b>Crepidodera</b> (= <b>Chalcoides</b> )<br><i>nana</i> (Say)  | Coleoptera  | Chrysomelidae  | tiny aspen flea beetle  | aspen                                | C      |
| <b>Cressonia</b> see <b>Laothoe</b>   |             |                |                         |                                      |        |
| <b>Crocigrapha</b><br><i>normani</i> (Grt.)   | Lepidoptera | Noctuidae      | climbing cherry cutworm | deciduous                            | C      |
| <b>Croesia</b> (see also <b>Acleris</b> )<br><i>curvalana</i> (Kft.)  | Lepidoptera | Tortricidae    | blueberry leaf-tier     | blueberry                            | A      |
| <i>semipurpurana</i> (Kft.)   | Lepidoptera | Tortricidae    | oak leafshredder        | oak                                  | C      |
| <b>Croesus</b><br><i>castaneae</i> Roh.   | Hymenoptera | Tenthredinidae | chestnut sawfly         | chestnut                             | C      |
| <i>latitarsus</i> Nort.   | Hymenoptera | Tenthredinidae | dusky birch sawfly      | birch                                | C      |
| <b>Crymodes</b> see <b>Apamea</b>   |             |                |                         |                                      |        |

| Scientific name   | Order       | Family                            | Common name               | Main host plant(s)<br>or insect type | Rating |
|---|-------------|-----------------------------------|---------------------------|--------------------------------------|--------|
| <b><i>Cryphalus</i> (= <i>Taenioglyptes</i>)<br/><i>r. ruficollis</i> Hopk.</b>                   | Coleoptera  | Scolytidae                        | bark beetle               | white spruce                         | C      |
| <b><i>Cryptocala</i><br/><i>acadiensis</i> (Beth.)</b>  | Lepidoptera | Noctuidae                         | catocaline dart           | unknown                              | C      |
| <b><i>Cryptocephalus</i><br/><i>n. notatus</i> F.</b>   | Coleoptera  | Chrysomelidae                     | leaf beetle               | general feeder                       | C      |
| <b><i>quadruplex</i> Newm.</b>  | Coleoptera  | Chrysomelidae                     | leaf beetle               | general feeder                       | C      |
| <b><i>Cryptococcus</i><br/><i>fagisuga</i> Linding.</b>   | Homoptera   | Eriococcidae                      | beech scale               | beech                                | B      |
| <b><i>Cryptorhynchus</i> (= <i>Sternochetus</i>)<br/><i>lapathi</i> (L.)</b>                      | Coleoptera  | Curculionidae                     | poplar-and-willow borer   | poplar, willow                       | B      |
| <b><i>Crypturgus</i><br/><i>borealis</i> Swaine</b>   | Coleoptera  | Scolytidae                        | bark beetle               | coniferous                           | C      |
| <b><i>pusillus</i> (Gyll.)<br/>(= <i>atomus</i> LeC.)</b>   | Coleoptera  | Scolytidae                        | bark beetle               | coniferous                           | C      |
| <b><i>Ctenicera</i><br/><i>appropinquans</i> (Rand.)</b>  | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>arata</i> (LeC.)</b>  | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>hieroglyphica</i> (Say)</b>   | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>kendalli</i> Kby.</b>   | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>mediana</i> (Germ.)</b>   | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>nigricollis</i> (Bland)</b>   | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>nitidula</i> (LeC.)</b>   | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>ochreipennis</i> (LeC.)</b>   | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>p. propola</i> (LeC.)</b>   | Coleoptera  | Elateridae                        | twospotted click beetle   | soil insects                         | F      |
| <b><i>pulchra</i> (LeC.)</b>  | Coleoptera  | Elateridae                        | twospotted click beetle   | soil insects                         | F      |
| <b>[= <i>cruciata pulchra</i> (LeC.)]</b>   |             |                                   |                           |                                      |        |
| <b><i>resplendens aeraria</i> (Rand.)</b>   | Coleoptera  | Elateridae                        | green click beetle        | soil insects                         | F      |
| <b><i>spinosa</i> (LeC.)</b>  | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>splendens</i> (Ziegl.)</b>  | Coleoptera  | Elateridae                        | click beetle              | soil insects                         | F      |
| <b><i>triundulata</i> (Rand.)</b>   | Coleoptera  | Elateridae                        | threespotted click beetle | soil insects                         | F      |
| <b><i>Ctenucha</i><br/><i>virginica</i> (Charp.)</b>  | Lepidoptera | Arctiidae                         | Virginian ctenucha        | grasses                              | F      |
| <b><i>Cucullia</i><br/><i>convexipennis</i> G. &amp; R.</b>                                       | Lepidoptera | Noctuidae                         | aster cutworm             | aster, goldenrod                     | F      |
| <b><i>intermedia</i> Speyer</b>   | Lepidoptera | Noctuidae                         | goldenrod cutworm         | flowers                              | F      |
| <b><i>postera</i> Gn.</b>   | Lepidoptera | Noctuidae                         | aster cutworm             | wild aster                           | F      |
| <b><i>Culex</i><br/><i>pipiens</i> L.</b>   | Diptera     | Oestridae                         | northern house mosquito   | biting flies                         | F      |
| <b><i>Culicoides</i> spp.</b>   | Diptera     | Chironomidae                      | punkies                   | biting flies                         | F      |
| <b><i>Cycloneda</i><br/><i>munda</i> (Say)</b>  | Coleoptera  | Coccinellidae                     | lady beetle               | predator                             | D      |
| <b><i>Cyclophora</i> (= <i>Cosymbia</i>)<br/><i>pendulinaria</i> (Gn.)</b>                        | Lepidoptera | Geometridae                       | looper                    | deciduous                            | C      |
| <b><i>Cydia</i> (= <i>Laspeyresia</i>) (see also <i>Melissopus</i>)<br/><i>candana</i> (Fbs.)</b> | Lepidoptera | Tortricidae<br>(= Oleuthreutinae) | maple seedworm            | maple                                | C      |

| Scientific name                                       | Order       | Family        | Common name                           | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|---------------------------------------|--------------------------------------|--------|
| <b>Cydia</b> (cont'd)                                 |             |               |                                       |                                      |        |
| <i>caryana</i> (Fitch)                                | Lepidoptera | Tortricidae   | hickory shuckworm                     | hickory                              | C      |
| <i>ingrata</i> (Heinr.)                               | Lepidoptera | Tortricidae   | poplar seedworm                       | poplar                               | C      |
| <i>toeuta</i> (Grt.)                                  | Lepidoptera | Tortricidae   | eastern pine seedworm                 | pine                                 | C      |
| <i>strobilella</i> (L.)<br>[= <i>youngana</i> (Kft.)] | Lepidoptera | Tortricidae   | spruce seed moth                      | spruce                               | B      |
| <b>Cylistix</b>                                       |             |               |                                       |                                      |        |
| <i>cylicdraca</i> (P. de B.)                          | Coleoptera  | Histeridae    | hister beetle                         | predator                             | D      |
| <b>Cynips</b> see <i>Atrusca</i>                      |             |               |                                       |                                      |        |
| <b>Cynthia</b> see <i>Vanessa</i>                     |             |               |                                       |                                      |        |
| <b>Cyphon</b>   |             |               |                                       |                                      |        |
| <i>variabilis</i> (Thunb.)                            | Coleoptera  | Scirtidae     | false flower beetle                   | general feeder                       | C      |
| <b>Cyrtolobus</b>                                     |             |               |                                       |                                      |        |
| <i>querci</i> (Fitch)                                 | Homoptera   | Membracidae   | treehopper                            | unknown                              | C      |
| <b>Cytilus</b>  |             |               |                                       |                                      |        |
| <i>alternatus</i> (Say)                               | Coleoptera  | Byrrhidae     | pill beetle                           | seedling roots                       | C      |
| <b>Dahlbominus</b>                                    |             |               |                                       |                                      |        |
| <i>fuscipennis</i> (Zett.)                            | Hymenoptera | Eulophidae    | chalcid parasite                      | parasite                             | D      |
| <b>Danaus</b>   |             |               |                                       |                                      |        |
| <i>plexippus</i> (L.)                                 | Lepidoptera | Danaidae      | monarch butterfly                     | milkweed                             | F      |
| <b>Danosoma</b> (= <i>Lacon</i> )                     |             |               |                                       |                                      |        |
| <i>brevicornis</i> (LeC.)                             | Coleoptera  | Elateridae    | click beetle                          | soil insect                          | F      |
| <i>obtectum</i> (Say)                                 | Coleoptera  | Elateridae    | click beetle                          | soil insect                          | F      |
| <b>Darapsa</b>  |             |               |                                       |                                      |        |
| <i>myron</i> (Cram.)                                  | Lepidoptera | Sphingidae    | Virginia creeper sphinx               | deciduous                            | C      |
| <i>pholus</i> (Cram.)                                 | Lepidoptera | Sphingidae    | azalea sphinx                         | shrubs                               | C      |
| <b>Dasineura</b> (see also <i>Kaltenbachiola</i> )    |             |               |                                       |                                      |        |
| <i>aceris</i> (Shimer)                                | Diptera     | Cecidomyiidae | soft maple leaf midge                 | soft maple                           | C      |
| <i>balsamicola</i> (Lint.)                            | Diptera     | Cecidomyiidae | introduced false balsam<br>gall midge | balsam fir                           | C      |
| <i>communis</i> Felt                                  | Diptera     | Cecidomyiidae | gouty vein midge                      | maple                                | C      |
| <i>gleditchiae</i> O.S.                               | Diptera     | Cecidomyiidae | honeylocust podgall midge             | locust                               | B      |
| <i>plicata</i> (Felt)                                 | Diptera     | Cecidomyiidae | willow gall midge                     | willow                               | C      |
| <i>serrulatae</i> (O.S.)                              | Diptera     | Cecidomyiidae | alder budgall midge                   | alder                                | C      |
| <i>swainei</i> (Felt)                                 | Diptera     | Cecidomyiidae | spruce bud midge                      | spruce                               | C      |
| <b>Dasychira</b> (= <i>Parorgyia</i> )                |             |               |                                       |                                      |        |
| <i>dorsipennata</i> (B. & McD.)                       | Lepidoptera | Lymantriidae  | hardwood tussock moth                 | deciduous                            | C      |
| <i>pinicola</i> (Dyar)                                | Lepidoptera | Lymantriidae  | pine tussock moth                     | pine                                 | E      |
| <i>plagiata</i> (Wlk.)<br>[= <i>pini</i> (Dyar)]      | Lepidoptera | Lymantriidae  | northern pine tussock moth            | pine                                 | C      |
| <i>vagans</i> (B. & McD.)                             | Lepidoptera | Lymantriidae  | tussock moth                          | deciduous                            | C      |
| <b>Dasylophia</b>                                     |             |               |                                       |                                      |        |
| <i>thyatiroides</i> (Wlk.)                            | Lepidoptera | Notodontidae  | beech caterpillar                     | beech                                | C      |
| <b>Datana</b>   |             |               |                                       |                                      |        |
| <i>angusii</i> G. & R.                                | Lepidoptera | Notodontidae  | striped caterpillar                   | hickory, butternut                   | C      |
| <i>contracta</i> Wlk.                                 | Lepidoptera | Notodontidae  | oak caterpillar                       | oak                                  | C      |



| Scientific name  | Order       | Family         | Common name               | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|---------------------------|--------------------------------------|--------|
| <b><i>Datana</i></b> (cont'd)                          |             |                |                           |                                      |        |
| <i>drexelii</i> Hy. Edw.                               | Lepidoptera | Notodontidae   | witch-hazel caterpillar   | witch-hazel                          | C      |
| <i>integerrima</i> G. & R.                             | Lepidoptera | Notodontidae   | walnut caterpillar        | walnut, hickory                      | B      |
| <i>ministra</i> (Drury)                                | Lepidoptera | Notodontidae   | yellownecked caterpillar  | deciduous                            | C      |
| <i>perspicua</i> G. & R.                               | Lepidoptera | Notodontidae   | spotted datana            | sumac                                | C      |
| <b><i>Dejongia</i></b> (see also <i>Trichoptilus</i> ) |             |                |                           |                                      |        |
| <i>lobidactylus</i> (Fitch)                            | Lepidoptera | Pterophoridae  | plume moth                | goldenrod                            | F      |
| <b><i>Delphastus</i></b>                               |             |                |                           |                                      |        |
| <i>pusillus</i> (LeC.)                                 | Coleoptera  | Coccinellidae  | lady beetle               | predator                             | D      |
| <b><i>Dendroctonus</i></b>                             |             |                |                           |                                      |        |
| <i>murrayanae</i> Hopk.                                | Coleoptera  | Scolytidae     | lodgepole pine beetle     | jack pine, red pine                  | C      |
| <i>rufipennis</i> (Kby.)                               | Coleoptera  | Scolytidae     | spruce beetle             | white spruce                         | C      |
| [= <i>obesus</i> (Mann.)]                              |             |                |                           |                                      |        |
| <i>simplex</i> LeC.                                    | Coleoptera  | Scolytidae     | eastern larch beetle      | tamarack                             | C      |
| <i>valens</i> LeC.                                     | Coleoptera  | Scolytidae     | red turpentine beetle     | coniferous                           | C      |
| <b><i>Depressaria</i></b> (see also <i>Nites</i> )     |             |                |                           |                                      |        |
| <i>pastinacella</i> (Dup.)                             | Lepidoptera | Oecophoridae   | parsnip webworm           | umbelliferous                        | F      |
| (= <i>heracliana</i> auth.)                            |             |                |                           |                                      |        |
| <b><i>Depressariodes</i></b> (= <i>Martyrhilda</i> )   |             |                |                           |                                      |        |
| <i>ciniflonella</i> (Lien. & Zell.)                    | Lepidoptera | Oecophoridae   | leafroller                | poplar, alder                        | C      |
| [= <i>klamathianus</i> (Wlsm.)]                        |             |                |                           |                                      |        |
| <b><i>Dermestes</i></b>                                |             |                |                           |                                      |        |
| <i>lardarius</i> L.                                    | Coleoptera  | Dermestidae    | larder beetle             | household pest                       | G      |
| <b><i>Desmia</i></b>                                   |             |                |                           |                                      |        |
| <i>funeralis</i> (Hbn.)                                | Lepidoptera | Pyralidae      | grape leaffolder          | vines                                | F      |
| <b><i>Deuteronomos</i></b> see <i>Ennomos</i>          |             |                |                           |                                      |        |
| <b><i>Diachrysia</i></b>                               |             |                |                           |                                      |        |
| <i>balluca</i> Gey.                                    | Lepidoptera | Noctuidae      | false looper              | raspberry                            | F      |
| <b><i>Diachus</i></b>                                  |             |                |                           |                                      |        |
| <i>catarius</i> (Suffr.)                               | Coleoptera  | Chrysomelidae  | leaf beetle               | willow                               | C      |
| <b><i>Diapheromera</i></b>                             |             |                |                           |                                      |        |
| <i>femorata</i> (Say)                                  | Phasmatodea | Heteronemiidae | walkingstick              | deciduous                            | B      |
| <b><i>Diarsia</i></b>                                  |             |                |                           |                                      |        |
| <i>jucunda</i> (Wik.)                                  | Lepidoptera | Noctuidae      | smaller pinkish dart      | unknown                              | C      |
| <b><i>Dicerca</i></b>                                  |             |                |                           |                                      |        |
| <i>divaricata</i> (Say)                                | Coleoptera  | Buprestidae    | flatheaded hardwood borer | dead trees                           | C      |
| <i>tenebrica</i> (Kby.)                                | Coleoptera  | Buprestidae    | flatheaded poplar borer   | dead trees                           | C      |
| <i>tenebrosa</i> (Kby.)                                | Coleoptera  | Buprestidae    | flatheaded conifer borer  | dead trees                           | C      |
| <b><i>Dichelonyx</i></b>                               |             |                |                           |                                      |        |
| <i>albicollis</i> (Burm.)                              | Coleoptera  | Scarabaeidae   | leaf chafer               | deciduous                            | C      |
| <i>backii</i> (Kby.)                                   | Coleoptera  | Scarabaeidae   | green rose chafer         | deciduous                            | C      |
| <i>elongatula</i> (Schönh.)                            | Coleoptera  | Scarabaeidae   | leaf chafer               | deciduous                            | C      |
| <i>linearis</i> (Gyll.)                                | Coleoptera  | Scarabaeidae   | leaf chafer               | deciduous                            | C      |
| <i>subvittata</i> (LeC.)                               | Coleoptera  | Scarabaeidae   | leaf chafer               | deciduous                            | C      |

| Scientific name                                 | Order       | Family                          | Common name                | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------------------------|----------------------------|--------------------------------------|--------|
| <b><i>Dichomeris</i> (= <i>Trichotaphe</i>)</b> |             |                                 |                            |                                      |        |
| <i>levisella</i> Fyles                          | Lepidoptera | Gelechiidae                     | aster micro moth           | aster                                | F      |
| <i>ligulella</i> Hbn.                           | Lepidoptera | Gelechiidae                     | palmerworm                 | deciduous                            | C      |
| <i>marginella</i> (F.)                          | Lepidoptera | Gelechiidae                     | juniper webworm            | juniper                              | C      |
| <i>setosella</i> Clem.                          | Lepidoptera | Gelechiidae                     | micro moth                 | cedar, pine                          | C      |
| <b><i>Dicrodiplosis</i></b>                     |             |                                 |                            |                                      |        |
| <i>populi</i> Felt                              | Diptera     | Cecidomyiidae                   | poplar leafgall midge      | poplar                               | C      |
| <b><i>Dictyopterus</i></b>                      |             |                                 |                            |                                      |        |
| <i>aurora</i> (Hbst.)                           | Coleoptera  | Lycidae                         | netwinged beetle           | decaying wood                        | C      |
| <b><i>Dimorphopteryx</i></b>                    |             |                                 |                            |                                      |        |
| <i>melanognathus</i> Roh.                       | Hymenoptera | Tenthredinidae                  | fringed birch sawfly       | birch, alder                         | B      |
| <b><i>Dioryctria</i></b>                        |             |                                 |                            |                                      |        |
| <i>abietivorella</i> (Grt.)                     | Lepidoptera | Pyrilidae                       | fir coneworm               | coniferous                           | C      |
| <i>disclusa</i> Heinr.                          | Lepidoptera | Pyrilidae                       | webbing coneworm           | pine cone                            | C      |
| <i>reniculelloides</i> Mut. & Mun.              | Lepidoptera | Pyrilidae                       | spruce coneworm            | spruce, balsam fir                   | C      |
| <i>resinosella</i> Mut.                         | Lepidoptera | Pyrilidae                       | red pine shoot moth        | red pine                             | C      |
| <i>zimmermani</i> (Grt.)                        | Lepidoptera | Pyrilidae                       | Zimmerman pine moth        | pine                                 | C      |
| <b><i>Diplolepis</i></b>                        |             |                                 |                            |                                      |        |
| <i>rosae</i> (L.)                               | Hymenoptera | Cynipidae                       | mossyrose gall wasp        | rose                                 | C      |
| <b><i>Diprion</i></b>                           |             |                                 |                            |                                      |        |
| <i>similis</i> (Htg.)                           | Hymenoptera | Diprionidae                     | introduced pine sawfly     | pine                                 | C      |
| <b><i>Disonycha</i></b>                         |             |                                 |                            |                                      |        |
| <i>alternata</i> (Ill.)                         | Coleoptera  | Chrysomelidae                   | striped willow leaf beetle | willow                               | C      |
| <b><i>Drepana</i></b>                           |             |                                 |                            |                                      |        |
| <i>arcuata</i> Wlk.                             | Lepidoptera | Drepanidae                      | masked birch caterpillar   | birch, alder                         | C      |
| <i>bilineata</i> (Pack.)                        | Lepidoptera | Drepanidae                      | warty birch caterpillar    | birch                                | C      |
| <b><i>Drepanaphis</i></b>                       |             |                                 |                            |                                      |        |
| <i>acerifoliae</i> (Thos.)                      | Homoptera   | Aphididae                       | painted maple aphid        | maple                                | B      |
| <b><i>Dryocampa</i> (= <i>Anisota</i>)</b>      |             |                                 |                            |                                      |        |
| <i>rubicunda</i> (F.)                           | Lepidoptera | Saturnidae<br>(= Citheroniidae) | greenstriped mapleworm     | maple                                | A      |
| <i>rubicunda alba</i> Grt.                      | Lepidoptera | Saturnidae                      | greenstriped mapleworm     | maple                                | A      |
| <b><i>Dryocoetes</i></b>                        |             |                                 |                            |                                      |        |
| <i>affaber</i> (Mann.)                          | Coleoptera  | Scolytidae                      | bark beetle                | spruce, pine                         | C      |
| <i>autographus</i> (Ratz.)                      | Coleoptera  | Scolytidae                      | bark beetle                | coniferous                           | C      |
| <i>betulae</i> Hopk.                            | Coleoptera  | Scolytidae                      | birch bark beetle          | white birch                          | C      |
| <b><i>Dryocosmus</i></b>                        |             |                                 |                            |                                      |        |
| <i>deciduus</i> (Beut.)                         | Hymenoptera | Cynipidae                       | oak gall wasp              | oak                                  | C      |
| <i>quercuspalustris</i> (O.S.)                  | Hymenoptera | Cynipidae                       | oak gall wasp              | oak                                  | C      |
| <b><i>Dyspteris</i></b>                         |             |                                 |                            |                                      |        |
| <i>abortivaria</i> (H.-S.)                      | Lepidoptera | Geometridae                     | green grape-geometer       | grape                                | C      |
| <b><i>Dysstroma</i></b>                         |             |                                 |                            |                                      |        |
| <i>citrata</i> (L.)                             | Lepidoptera | Geometridae                     | dark marbled carpet looper | general feeder                       | C      |
| <i>truncata traversata</i> (Kell.)              | Lepidoptera | Geometridae                     | looper                     | general feeder                       | C      |

| Scientific name  | Order       | Family                                       | Common name                   | Main host plant(s)<br>or insect type | Rating |
|--|-------------|--|-------------------------------|--------------------------------------|--------|
| <b>Eacles</b><br><i>imperialis pini</i> Mich.  | Lepidoptera | Saturniidae<br>(= Citheroniidae)             | pine imperial moth            | pine                                 | C      |
| <b>Ecdyolopha</b><br><i>insiticiana</i> Zell.  | Lepidoptera | Tortricidae<br>(= Olethreutinae)             | locust twig borer             | locust                               | C      |
| <i>punctidiscana</i> (Dyar)  | Lepidoptera | Tortricidae                                  | micro moth                    | locust                               | C      |
| <b>Ecpantheria</b><br><i>scribonia</i> (Stoll)                                       | Lepidoptera | Arctiidae                                    | great leopard moth            | unknown                              | C      |
| <b>Ectoedemia</b> (see also <b>Nepticula</b> , <b>Obrussa</b> and <b>Stigmella</b> ) |             |  |                               |                                      |        |
| <i>argyropeza downesi</i> W. & S.  | Lepidoptera | Nepticulidae                                 | aspen petiole miner           | aspen                                | C      |
| <i>canutus</i> W. & S.   | Lepidoptera | Nepticulidae                                 | balsam poplar petiole miner   | balsam poplar                        | C      |
| <i>lindquisti</i> (Free.)  | Lepidoptera | Nepticulidae                                 | small birch leafminer         | birch                                | C      |
| <i>ochrefasciella</i> (Cham.)  | Lepidoptera | Nepticulidae                                 | hard maple budminer           | sugar maple                          | C      |
| <i>populella</i> Bsk.  | Lepidoptera | Nepticulidae                                 | poplar petiolegall moth       | poplar                               | C      |
| <i>sericopeza</i> (Zell.)  | Lepidoptera | Nepticulidae                                 | Norway maple seedminer        | Norway maple                         | C      |
| <b>Ectropis</b><br><i>crepuscularia</i> (D. & S.)                                    | Lepidoptera | Geometridae                                  | saddleback looper             | general feeder                       | C      |
| <b>Egira</b> (= <b>Xylomyges</b> )<br><i>dolosa</i> (Grt.)                           | Lepidoptera | Noctuidae                                    | lined black aspen caterpillar | aspen                                | C      |
| <b>Eilema</b><br><i>bicolor</i> (Grt.)   | Lepidoptera | Arctiidae                                    | smoky moth                    | coniferous                           | C      |
| <b>Eitelius</b><br><i>gregarius</i> (Marl.)  | Hymenoptera | Tenthredinidae                               | willow skeletonizing sawfly   | willow                               | C      |
| <b>Elaphidionoides</b> see <b>Anelaphus</b>  |             |  |                               |                                      |        |
| <b>Elaphria</b><br><i>festivoides</i> (Gn.)  | Lepidoptera | Noctuidae                                    | owlet moth                    | general feeder                       | C      |
| <i>versicolor</i> (Grt.)   | Lepidoptera | Noctuidae                                    | fir harlequin                 | general feeder                       | C      |
| <b>Elasmostethus</b><br><i>cruciatus</i> Say   | Heteroptera | Acanthosomatidae                             | redcrossed stink bug          | unknown                              | C      |
| <b>Elasmucha</b> (= <b>Meadorus</b> )<br><i>lateralis</i> (Say)                      | Heteroptera | Acanthosomatidae<br>(= Pentatomidae in part) | mottled stink bug             | predator                             | D      |
| <b>Ellida</b><br><i>caniplaga</i> (Wlk.)   | Lepidoptera | Notodontidae                                 | basswood caterpillar          | basswood                             | C      |
| <b>Ellychnia</b> (see also <b>Lucidota</b> )<br><i>corrusca</i> (L.)                 | Coleoptera  | Lampyridae                                   | firefly                       | predator                             | D      |
| <b>Ematurga</b><br><i>amitaria</i> (Gn.)   | Lepidoptera | Geometridae                                  | cranberry spanworm            | deciduous                            | C      |
| <b>Empoasca</b><br><i>fabae</i> (Harr.)  | Homoptera   | Cicadellidae                                 | potato leafhopper             | deciduous                            | C      |
| <b>Empria</b><br><i>multicolor</i> (Nort.)   | Hymenoptera | Tenthredinidae                               | sawfly                        | white birch, alder                   | C      |

| Scientific name  | Order       | Family                           | Common name                           | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|---------------------------------------|--------------------------------------|--------|
| <b><i>Energia</i></b>  |             |                                  |                                       |                                      |        |
| <b><i>decolor</i></b> (Wlk.)   | Lepidoptera | Noctuidae                        | aspen twoleaf tier                    | poplar                               | B      |
| <b><i>infumata</i></b> (Grt.)  | Lepidoptera | Noctuidae                        | owlet moth                            | birch                                | C      |
| <b><i>Enchenopa</i></b>  |             |                                  |                                       |                                      |        |
| <b><i>binotata</i></b> (Say)   | Homoptera   | Membracidae                      | twomarked treehopper                  | deciduous                            | C      |
| <b><i>Endopiza</i></b> (see also <b><i>Paralobesia</i></b> )                         |             |                                  |                                       |                                      |        |
| <b><i>piceana</i></b> (Free.)  | Lepidoptera | Tortricidae<br>(= Olethreutinae) | spruce micro moth                     | spruce                               | C      |
| <b><i>Endothenia</i></b> see <b><i>Taniva</i></b>                                    |             |                                  |                                       |                                      |        |
| <b><i>Ennomos</i></b> (= <b><i>Deuteronomos</i></b> )                                |             |                                  |                                       |                                      |        |
| <b><i>magnaria</i></b> Gn.   | Lepidoptera | Geometridae                      | maple spanworm,<br>notchwing geometer | deciduous                            | C      |
| <b><i>subsignaria</i></b> (Hbn.)   | Lepidoptera | Geometridae                      | elm spanworm                          | elm                                  | B      |
| <b><i>Enodia</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>anthedon borealis</i></b> Clark<br>(= <b><i>portlandia borealis</i></b> Clark) | Lepidoptera | Satyridae                        | pearly eye                            | grass                                | F      |
| <b><i>Epargyreus</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>clarus</i></b> (Cram.)   | Lepidoptera | Hesperiidae                      | silverspotted skipper                 | locust                               | C      |
| <b><i>Ephestia</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>elutella</i></b> (Hbn.)  | Lepidoptera | Pyralidae                        | tobacco moth                          | household pest                       | C      |
| <b><i>kuehniella</i></b> Zell.   | Lepidoptera | Pyralidae                        | Mediterranean flour moth              | household pest                       | G      |
| <b><i>Epiblema</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>resumptana</i></b> (Wlk.)  | Lepidoptera | Tortricidae<br>(= Olethreutinae) | micro moth                            | unknown                              | C      |
| <b><i>Epicauta</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>fabricii</i></b> (LeC.)  | Coleoptera  | Meloidae                         | ashgray blister beetle                | unknown                              | C      |
| <b><i>murina</i></b> (LeC.)  | Coleoptera  | Meloidae                         | dark blister beetle                   | deciduous                            | C      |
| <b><i>Epicnaptera</i></b> see <b><i>Phyllodesma</i></b>                              |             |                                  |                                       |                                      |        |
| <b><i>Epiglaea</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>apiata</i></b> (Grt.)  | Lepidoptera | Noctuidae                        | owlet moth                            | cranberry, blueberry                 | C      |
| <b><i>Epinotia</i></b>   |             |                                  |                                       |                                      |        |
| <b><i>aceriella</i></b> (Clem.)  | Lepidoptera | Tortricidae<br>(= Olethreutinae) | maple trumpet skeletonizer            | maple                                | C      |
| <b><i>albangulana</i></b> (Wlsm.)  | Lepidoptera | Tortricidae                      | alder leafroller                      | alder                                | C      |
| <b><i>corylana</i></b> McD.  | Lepidoptera | Tortricidae                      | alder catkin moth                     | alder                                | C      |
| <b><i>crenana</i></b> (Hbn.)   | Lepidoptera | Tortricidae                      | willow leafroller                     | willow                               | C      |
| <b><i>criddleana</i></b> (Kft.)  | Lepidoptera | Tortricidae                      | aspen leafroller                      | poplar                               | C      |
| <b><i>cruciana</i></b> (L.)  | Lepidoptera | Tortricidae                      | willow leafroller                     | willow                               | C      |
| <b><i>lindana</i></b> (Fern.)  | Lepidoptera | Tortricidae                      | dogwood leafroller                    | dogwood                              | C      |
| <b><i>medioplagata</i></b> (Wlsm.)   | Lepidoptera | Tortricidae                      | willow leafroller                     | willow                               | C      |
| <b><i>momonana</i></b> (Kft.)  | Lepidoptera | Tortricidae                      | alder budminer                        | alder                                | C      |
| <b><i>nanana</i></b> (Tr.)   | Lepidoptera | Tortricidae                      | European spruce needleminer           | spruce                               | C      |
| <b><i>nigralbana</i></b> (Wlsm.)   | Lepidoptera | Tortricidae                      | micro moth                            | alder                                | C      |
| <b><i>nisella</i></b> (Cl.)  | Lepidoptera | Tortricidae                      | yellowheaded aspen leafroller         | aspen                                | C      |
| <b><i>normanana</i></b> Kft.   | Lepidoptera | Tortricidae                      | spruce needleminer                    | spruce                               | C      |
| <b><i>rectiplicana</i></b> (Wlsm.)   | Lepidoptera | Tortricidae                      | micro moth                            | deciduous                            | C      |
| <b><i>septemberana</i></b> Kft.  | Lepidoptera | Tortricidae                      | micro moth                            | Labrador tea                         | C      |
| <b><i>solandriana</i></b> (L.)   | Lepidoptera | Tortricidae                      | birch-aspen leafroller                | birch, poplar                        | B      |

| Scientific name   | Order       | Family                           | Common name              | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|--------------------------|--------------------------------------|--------|
| <b><i>Epinotia</i> (cont'd)</b>   |             |                                  |                          |                                      |        |
| <b><i>solicitana</i></b> (Wlk.)   | Lepidoptera | Tortricidae                      | birch shootworm          | birch                                | C      |
| <b><i>timidella</i></b> (Clem.)   | Lepidoptera | Tortricidae                      | oak trumpet skeletonizer | oak                                  | C      |
| <b><i>transmissana</i></b> (Wlk.)   | Lepidoptera | Tortricidae                      | birch catkin moth        | birch                                | C      |
| <b><i>Epirrita</i></b>  |             |                                  |                          |                                      |        |
| <b><i>autumnata henshawi</i></b> (Swett)  | Lepidoptera | Geometridae                      | November moth            | larch                                | C      |
| <b><i>Episimus</i></b>  |             |                                  |                          |                                      |        |
| <b><i>argutanus</i></b> (Clem.)   | Lepidoptera | Tortricidae<br>(= Olethreutinae) | sumac leafroller         | sumac                                | C      |
| <b><i>Epizeuxis</i> see <i>Idia</i></b>   |             |                                  |                          |                                      |        |
| <b><i>Erannis</i></b>   |             |                                  |                          |                                      |        |
| <b><i>tiliaria</i></b> (Harr.)  | Lepidoptera | Geometridae                      | linden looper            | deciduous                            | B      |
| <b><i>Eriocampa</i></b>   |             |                                  |                          |                                      |        |
| <b><i>juglandis</i></b> (Fitch)   | Hymenoptera | Tenthredinidae                   | woolly butternut sawfly  | butternut, walnut                    | C      |
| <b><i>ovata</i></b> (L.)  | Hymenoptera | Tenthredinidae                   | woolly alder sawfly      | alder                                | C      |
| <b><i>Eriophyes</i> (see also <i>Acalitus</i>, <i>Aceria</i>, <i>Cecidophyopsis</i>, <i>Phytocoptella</i> and <i>Phytoptus</i>)</b> |             |                                  |                          |                                      |        |
| <b><i>pyri</i></b> (Pgst.)  | Acari       | Eriophyidae                      | pear leaf blister mite   | mountain-ash, pear,<br>apple         | E      |
| <b><i>Eriosoma</i></b>  |             |                                  |                          |                                      |        |
| <b><i>americanum</i></b> (Riley)  | Homoptera   | Aphididae                        | woolly elm aphid         | elm                                  | C      |
| <b><i>crataegi</i></b> (Oestl.)   | Homoptera   | Aphididae                        | woolly hawthorn aphid    | hawthorn                             | C      |
| <b><i>lanigerum</i></b> (Hausm.)  | Homoptera   | Aphididae                        | woolly apple aphid       | elm, apple                           | C      |
| <b><i>Erynnis</i></b>   |             |                                  |                          |                                      |        |
| <b><i>icelus</i></b> (Scudd. & Burg.)   | Lepidoptera | Hesperiidae                      | dreamy dusky wing        | poplar, willow                       | C      |
| <b><i>juvenalis</i></b> (F.)  | Lepidoptera | Hesperiidae                      | Juvenal dusky wing       | oak                                  | C      |
| <b><i>Estigmene</i> (see also <i>Spilosoma</i>)</b>   |             |                                  |                          |                                      |        |
| <b><i>acrea</i></b> (Drury)   | Lepidoptera | Arctiidae                        | saltmarsh caterpillar    | grasses                              | F      |
| <b><i>Euceraphis</i></b>  |             |                                  |                          |                                      |        |
| <b><i>betulae</i></b> (Koch)  | Homoptera   | Aphididae                        | yellow birch aphid       | birch                                | C      |
| <b><i>punctipennis</i></b> (Zett.)  | Homoptera   | Aphididae                        | European birch aphid     | birch                                | C      |
| <b><i>Euchaetes</i></b>   |             |                                  |                          |                                      |        |
| <b><i>egle</i></b> (Drury)  | Lepidoptera | Arctiidae                        | milkweed tussock moth    | milkweed                             | F      |
| <b><i>Euchlaena</i></b>   |             |                                  |                          |                                      |        |
| <b><i>effecta</i></b> (Wlk.)  | Lepidoptera | Geometridae                      | looper                   | deciduous                            | C      |
| <b><i>irraria</i></b> (B. & McD.)   | Lepidoptera | Geometridae                      | looper                   | aspen                                | C      |
| <b><i>johnsonaria</i></b> (Fitch)   | Lepidoptera | Geometridae                      | looper                   | deciduous                            | C      |
| <b><i>madusaria</i></b> (Wlk.)  | Lepidoptera | Geometridae                      | looper                   | jack pine                            | C      |
| <b><i>marginaria</i></b> (Minot)  | Lepidoptera | Geometridae                      | looper                   | deciduous                            | C      |
| <b><i>tigrinaria</i></b> (Gn.)  | Lepidoptera | Geometridae                      | looper                   | deciduous                            | C      |
| <b><i>Eucirroedia</i></b>   |             |                                  |                          |                                      |        |
| <b><i>pampina</i></b> (Gn.)   | Lepidoptera | Noctuidae                        | owlet moth               | deciduous                            | C      |
| <b><i>Euclea</i></b>  |             |                                  |                          |                                      |        |
| <b><i>delphinii</i></b> (Bdv.)  | Lepidoptera | Limacodidae                      | spiny slug caterpillar   | deciduous                            | C      |
| <b><i>Euclidia</i></b>  |             |                                  |                          |                                      |        |
| <b><i>cuspeida</i></b> (Hbn.)   | Lepidoptera | Noctuidae                        | owlet moth               | clover                               | F      |

| Scientific name                                    | Order       | Family                           | Common name                     | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|---------------------------------|--------------------------------------|--------|
| <b><i>Eucordylea</i> see <i>Coleotechnites</i></b> |             |                                  |                                 |                                      |        |
| <b><i>Eucosma</i></b>                              |             |                                  |                                 |                                      |        |
| <i>gloriola</i> Heinr.                             | Lepidoptera | Tortricidae<br>(= Olethreutinae) | eastern pine shoot borer        | pine                                 | B      |
| <i>monitorana</i> Heinr.                           | Lepidoptera | Tortricidae                      | red pine cone borer             | red pine                             | C      |
| <i>tocullionana</i> Heinr.                         | Lepidoptera | Tortricidae                      | white pine cone borer           | pine                                 | C      |
| <b><i>Eudeilinia</i></b>                           |             |                                  |                                 |                                      |        |
| <i>herminiata</i> (Gn.)                            | Lepidoptera | Drepanidae                       | dogwood caterpillar             | dogwood                              | C      |
| <b><i>Eudryas</i> (= <i>Euthisanotia</i>)</b>      |             |                                  |                                 |                                      |        |
| <i>grata</i> (F.)                                  | Lepidoptera | Noctuidae                        | beautiful wood nymph            | vines                                | F      |
| <i>unio</i> (Hbn.)                                 | Lepidoptera | Noctuidae                        | pearly wood nymph               | ground plants                        | F      |
| <b><i>Eueretagrotis</i></b>                        |             |                                  |                                 |                                      |        |
| <i>attenta</i> (Grt.)                              | Lepidoptera | Noctuidae                        | cutworm                         | unknown                              | C      |
| <i>perattenta</i> (Grt.)                           | Lepidoptera | Noctuidae                        | cutworm                         | unknown                              | C      |
| <b><i>Eufidonia</i></b>                            |             |                                  |                                 |                                      |        |
| <i>discospilata</i> (Wlk.)                         | Lepidoptera | Geometridae                      | looper                          | coniferous                           | C      |
| <i>notataria</i> (Wlk.)                            | Lepidoptera | Geometridae                      | conifer looper                  | coniferous                           | C      |
| <b><i>Eugonobapta</i></b>                          |             |                                  |                                 |                                      |        |
| <i>nivosaria</i> (Gn.)                             | Lepidoptera | Geometridae                      | looper                          | maple                                | C      |
| <b><i>Eulachnus</i> (= <i>Protolachnus</i>)</b>    |             |                                  |                                 |                                      |        |
| <i>agilis</i> (Kltb.)                              | Homoptera   | Aphididae                        | spotted pine needle aphid       | pine                                 | C      |
| <i>rileyi</i> (T.A. Wlms.)                         | Homoptera   | Aphididae                        | powdery pine needle aphid       | pine                                 | C      |
| <b><i>Eulithis</i> (= <i>Lygris</i>)</b>           |             |                                  |                                 |                                      |        |
| <i>diversilineata</i> (Hbn.)                       | Lepidoptera | Geometridae                      | grapevine looper                | grapevine                            | F      |
| <b><i>Eumacaria</i> (= <i>Itame</i> in part)</b>   |             |                                  |                                 |                                      |        |
| <i>latiferrugata</i> (Wlk.)                        | Lepidoptera | Geometridae                      | cherry spanworm                 | cherry                               | C      |
| <b><i>Eumorpha</i> (= <i>Pholus</i>)</b>           |             |                                  |                                 |                                      |        |
| <i>achemon</i> (Drury)                             | Lepidoptera | Sphingidae                       | achemon sphinx                  | virginia creeper                     | F      |
| <b><i>Eupareophora</i> (= <i>Pareophora</i>)</b>   |             |                                  |                                 |                                      |        |
| <i>parca</i> (Cress.)<br>[= <i>minuta</i> (MacG.)] | Hymenoptera | Tenthredinidae                   | spiny ash sawfly                | ash                                  | C      |
| <b><i>Euparthenos</i></b>                          |             |                                  |                                 |                                      |        |
| <i>nubilis</i> (Hbn.)                              | Lepidoptera | Noctuidae                        | locust caterpillar or underwing | locust                               | C      |
| <b><i>Euphoria</i></b>                             |             |                                  |                                 |                                      |        |
| <i>fulgida</i> (F.)                                | Coleoptera  | Scarabaeidae                     | scarab beetle                   | decayed wood                         | F      |
| <i>inda</i> (L.)                                   | Coleoptera  | Scarabaeidae                     | bumble flower beetle            | decayed wood                         | F      |
| <b><i>Eupithecia</i></b>                           |             |                                  |                                 |                                      |        |
| <i>albicapitata</i> Pack.                          | Lepidoptera | Geometridae                      | spruce cone geometer            | spruce, balsam fir                   | C      |
| <i>annulata</i> (Hlst.)                            | Lepidoptera | Geometridae                      | conifer looper                  | coniferous                           | C      |
| <i>coagulata</i> Gn.                               | Lepidoptera | Geometridae                      | looper                          | ground plants                        | F      |
| <i>filmata</i> Pears.                              | Lepidoptera | Geometridae                      | early brown looper              | coniferous                           | C      |
| <i>fletcherata</i> Tayl.                           | Lepidoptera | Geometridae                      | looper                          | coniferous                           | C      |
| <i>gelidata</i> Mösch.                             | Lepidoptera | Geometridae                      | looper                          | birch                                | C      |
| <i>gibsonata</i> Tayl.                             | Lepidoptera | Geometridae                      | conifer looper                  | coniferous                           | C      |
| <i>intricataylorata</i> Swett                      | Lepidoptera | Geometridae                      | juniper looper                  | juniper                              | C      |

| Scientific name                                   | Order       | Family         | Common name                 | Main host plant(s)<br>or insect type   | Rating |
|---|-------------|----------------|-----------------------------|--|--------|
| <b><i>Eupithecia</i></b> (cont'd)                 |             |                |                             |  |        |
| <b><i>luteata</i></b> Pack.                       | Lepidoptera | Geometridae    | fir needle inchworm         | coniferous                             | C      |
| <b><i>misturata frostiata</i></b> Swett           | Lepidoptera | Geometridae    | tamarack looper             | tamarack                               | C      |
| <b><i>mutata</i></b> Pears.                       | Lepidoptera | Geometridae    | spruce cone looper          | spruce, balsam fir                     | C      |
| <b><i>palpata</i></b> Pack.                       | Lepidoptera | Geometridae    | small pine looper           | pine                                   | C      |
| <b><i>pusillata</i></b>                           |             |                |                             |  |        |
| <b><i>interruptofasciata</i></b> Pack.            | Lepidoptera | Geometridae    | juniper looper              | juniper                                | C      |
| <b><i>ravocostaliata</i></b> Pack.                | Lepidoptera | Geometridae    | looper                      | deciduous                              | C      |
| <b><i>sheppardata</i></b> McD.                    | Lepidoptera | Geometridae    | alder looper                | alder                                  | C      |
| <b><i>strattonata</i></b> Pack.                   | Lepidoptera | Geometridae    | spirea looper               | spirea                                 | C      |
| <b><i>subfuscata</i></b> (Haw.)                   | Lepidoptera | Geometridae    | looper                      | coniferous                             | C      |
| <b><i>transcanadata</i></b> Mack.                 | Lepidoptera | Geometridae    | small conifer looper        | coniferous                             | C      |
| <b><i>Euplexia</i></b>                            |             |                |                             |  |        |
| <b><i>benesimilis</i></b> McD.                    | Lepidoptera | Noctuidae      | owlet moth                  | general feeder                         | C      |
| <b><i>Euproctis</i></b> (see also <i>Nygmia</i> ) |             |                |                             |  |        |
| <b><i>chrysorrhoea</i></b> (L.)                   | Lepidoptera | Lymantriidae   | browntail moth              | deciduous                              | E      |
| <b><i>Eupsilia</i></b>                            |             |                |                             |  |        |
| <b><i>morrisoni</i></b> (Grt.)                    | Lepidoptera | Noctuidae      | owlet moth                  | elm, maple                             | C      |
| <b><i>tristigmata</i></b> (Grt.)                  | Lepidoptera | Noctuidae      | brown fruitworm             | cherry                                 | C      |
| <b><i>Euptoieta</i></b>                           |             |                |                             |  |        |
| <b><i>claudia</i></b> (Cram.)                     | Lepidoptera | Nymphalidae    | variegated fritillary       | ground plant                           | F      |
| <b><i>Eurois</i></b>                              |             |                |                             |  |        |
| <b><i>astricta</i></b> Morr.                      | Lepidoptera | Noctuidae      | cutworm                     | poplar                                 | C      |
| <b><i>occulta</i></b> (L.)                        | Lepidoptera | Noctuidae      | cutworm                     | general feeder                         | C      |
| <b><i>Eurrhpara</i></b>                           |             |                |                             |  |        |
| <b><i>hortulata</i></b> (L.)                      | Lepidoptera | Pyralidae      | nettle micro moth           | nettle                                 | F      |
| <b><i>Euschistus</i></b>                          |             |                |                             |  |        |
| <b><i>servus euschistoides</i></b> (Voll.)        | Heteroptera | Pentatomidae   | stink bug                   | general feeder                         | C      |
| <b><i>tristigmus</i></b> (Say)                    | Heteroptera | Pentatomidae   | dusky stink bug             | general feeder                         | C      |
| <b><i>Euthisanotia</i></b> see <i>Eudryas</i>     |             |                |                             |  |        |
| <b><i>Euthyatira</i></b>                          |             |                |                             |  |        |
| <b><i>pudens</i></b> (Gn.)                        | Lepidoptera | Thyatiridae    | false owlet moth            | dogwood                                | C      |
| <b><i>Eutrapela</i></b>                           |             |                |                             |  |        |
| <b><i>clemataria</i></b> (J.E. Smith)             | Lepidoptera | Geometridae    | purplish-brown looper       | general feeder                         | C      |
| <b><i>Euura</i></b>                               |             |                |                             |  |        |
| <b><i>atra</i></b> (Jur.)                         | Hymenoptera | Tenthredinidae | smaller willow shoot sawfly | willow                                 | C      |
| <b><i>s-nodus</i></b> Walsh                       | Hymenoptera | Tenthredinidae | willow twig-gall sawfly     | willow                                 | C      |
| <b><i>Euxoa</i></b>                               |             |                |                             |  |        |
| <b><i>messoria</i></b> (Harr.)                    | Lepidoptera | Noctuidae      | darksided cutworm           | maple seedlings<br>(agricultural pest) | C      |
| <b><i>ochrogaster</i></b> (Gn.)                   | Lepidoptera | Noctuidae      | redbacked cutworm           | agricultural pest                      | F      |
| <b><i>scandens</i></b> (Riley)                    | Lepidoptera | Noctuidae      | white cutworm               | agricultural pest                      | C      |
| <b><i>tessellata</i></b> (Harr.)                  | Lepidoptera | Noctuidae      | striped cutworm             | agricultural pest                      | C      |
| <b><i>Evodinus</i></b>                            |             |                |                             |  |        |
| <b><i>m. monticola</i></b> (Rand.)                | Coleoptera  | Cerambycidae   | longhorned beetle           | hemlock                                | C      |

| Scientific name   | Order       | Family                           | Common name                            | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|--|--------------------------------------|--------|
| <b>Evora</b><br><i>hemidesma</i> (Zell.)                            | Lepidoptera | Tortricidae<br>(= Olethreutinae) | spirea leaf-tier                       | deciduous                            | C      |
| <b>Exartema</b> see <i>Olethreutes</i>                              |             |                                  |  |                                      |        |
| <b>Exochomus</b> see <i>Brumoides</i>                               |             |                                  |  |                                      |        |
| <b>Exoteleia</b><br><i>dodecella</i> (L.)                           | Lepidoptera | Gelechiidae                      | pine bud moth                          | pine                                 | B      |
| <i>nepheos</i> Free.  | Lepidoptera | Gelechiidae                      | pine candle moth                       | pine                                 | C      |
| <i>pinifoliella</i> (Cham.)   | Lepidoptera | Gelechiidae                      | pine needle-miner                      | jack pine                            | B      |
| <b>Fagiphagus</b><br><i>imbricator</i> (Fitch)                      | Homoptera   | Aphididae                        | beech blight aphid                     | beech                                | C      |
| <b>Feltia</b><br><i>herilis</i> (Grt.)                              | Lepidoptera | Noctuidae                        | dingy cutworm                          | unknown                              | C      |
| <b>Feniseca</b><br><i>tarquinius</i> (F.)                           | Lepidoptera | Lycaenidae                       | harvester                              | predator                             | D      |
| <b>Fenusa</b><br><i>dohrnii</i> (Tisch.)                            | Hymenoptera | Tenthredinidae                   | European alder leaf-miner              | alder                                | B      |
| <i>pusilla</i> (Lep.)   | Hymenoptera | Tenthredinidae                   | birch leaf-miner                       | birch                                | A      |
| <i>ulmi</i> Sund.   | Hymenoptera | Tenthredinidae                   | elm leaf-miner                         | elm                                  | B      |
| <b>Feralia</b><br><i>comstocki</i> Grt.                             | Lepidoptera | Noctuidae                        | redlined conifer caterpillar           | coniferous                           | C      |
| <i>jocosa</i> (Gn.)   | Lepidoptera | Noctuidae                        | redlined conifer caterpillar,<br>joker | coniferous                           | C      |
| <i>major</i> Sm.  | Lepidoptera | Noctuidae                        | redlined conifer caterpillar           | spruce, pine                         | C      |
| <b>Filatima</b><br><i>betulae</i> Clarke                            | Lepidoptera | Gelechiidae                      | birch leafroller                       | birch                                | C      |
| <i>dimissae</i> (Keif.)   | Lepidoptera | Gelechiidae                      | leafroller                             | serviceberry                         | C      |
| <b>Forficula</b><br><i>auricularia</i> L.                           | Dermaptera  | Forficulidae                     | European earwig                        | ground plants                        | F      |
| <b>Framinghamia</b><br><i>helvalis</i> (Wlk.)                       | Lepidoptera | Pyralidae                        | poplar leafroller                      | poplar                               | C      |
| <b>Fumea</b> see <i>Psyche</i>                                      |             |                                  |  |                                      |        |
| <b>Furcula</b> (see also <i>Cerura</i> )<br><i>borealis</i> (G.-M.) | Lepidoptera | Notodontidae                     | forktailed caterpillar                 | deciduous                            | C      |
| <i>cinerea</i> (Wlk.)   | Lepidoptera | Notodontidae                     | forktailed caterpillar                 | willow                               | C      |
| <i>modesta</i> (Hud.)   | Lepidoptera | Notodontidae                     | forktailed caterpillar                 | willow                               | C      |
| <i>occidentalis</i> (Lint.)   | Lepidoptera | Notodontidae                     | forktailed caterpillar                 | willow, poplar                       | C      |
| <i>scolopendrina</i> (Bdv.)   | Lepidoptera | Notodontidae                     | forktailed caterpillar                 | deciduous                            | C      |
| <b>Galerucella</b> (= <i>Pyrrhalta</i> )<br><i>nymphaeae</i> (L.)   | Coleoptera  | Chrysomelidae                    | waterlily leaf beetle                  | water lily                           | F      |
| <b>Gargaphia</b><br><i>tiliae</i> (Walsh)                           | Heteroptera | Tingidae                         | basswood lace bug                      | basswood                             | C      |
| <b>Gastrophysa</b><br><i>c. cyanea</i> Melsh.                       | Coleoptera  | Chrysomelidae                    | leaf beetle                            | dock, rhubarb                        | F      |



| Scientific name  | Order        | Family           | Common name              | Main host plant(s)<br>or insect type | Rating |
|--|--------------|------------------|--------------------------|--------------------------------------|--------|
| <b>Geina</b><br><i>periscelidactyla</i> (Fitch)                              | Lepidoptera  | Pterophoridae    | grape plume moth         | grapevine                            | C      |
| <b>Gelechia</b><br><i>versutella</i> Zell.                                   | Lepidoptera  | Gelechiidae      | poplar micro moth        | aspen                                | C      |
| <b>Geotrupes</b><br><i>balyi</i> Jekel                                       | Coleoptera   | Scarabaeidae     | scarab beetle            | scavenger                            | F      |
| <b>Gillmeria</b> (= <b>Platyptilia</b> )<br><i>pallidactyla</i> (Haw.)       | Lepidoptera  | Pterophoridae    | plume moth               | unknown                              | C      |
| <b>Gilpinia</b><br><i>frutetorum</i> (F.)                                    | Hymenoptera  | Diprionidae      | nursery pine sawfly      | pine                                 | C      |
| <i>hercyniae</i> (Htg.)  | Hymenoptera  | Diprionidae      | European spruce sawfly   | spruce                               | C      |
| <b>Glischrochilus</b><br><i>quadrisignatus</i> (Say)                         | Coleoptera   | Nitidulidae      | fourspotted sap beetle   | sap of plants                        | C      |
| <i>s. sanguinolentus</i> (Oliv.)   | Coleoptera   | Nitidulidae      | sap beetle               | sap of plants                        | C      |
| <b>Gluphisia</b><br><i>avimacula</i> Hud.                                    | Lepidoptera  | Notodontidae     | poplar caterpillar       | poplar                               | C      |
| <i>lintneri</i> (Grt.)   | Lepidoptera  | Notodontidae     | poplar caterpillar       | poplar                               | C      |
| <i>septentrionis</i> Wlk.  | Lepidoptera  | Notodontidae     | pale green notodontid    | deciduous                            | C      |
| <b>Glycobius</b><br><i>speciosus</i> (Say)                                   | Coleoptera   | Cerambycidae     | sugar maple borer        | maple                                | C      |
| <b>Glyphipteryx</b><br><i>linneella</i> (Cl.)                                | Lepidoptera  | Glyphipterigidae | linden bark borer        | European linden                      | C      |
| <b>Glypta</b><br><i>fumiferanae</i> (Vier.)                                  | Hymenoptera  | Ichneumonidae    | parasite                 | budworms                             | D      |
| <b>Glyptoscelis</b><br><i>pubescens</i> (F.)                                 | Coleoptera   | Chrysomelidae    | hairy leaf beetle        | general feeder                       | C      |
| <b>Gnathacmaeops</b> (= <b>Acmaeops</b> )<br><i>pratensis</i> (Laich.)       | Coleoptera   | Cerambycidae     | longhorned beetle        | spruce                               | C      |
| <b>Gnophothrips</b><br><i>fuscus</i> (Morgan)<br>(= <i>piniphilis</i> Cwfd.) | Thysanoptera | Phloeothripidae  | slash pine flower thrips | pine                                 | C      |
| <b>Gobaishia</b> see <b>Kaltenbachiella</b>                                  |              |                  |                          |                                      |        |
| <b>Gonioctena</b><br><i>americana</i> (Schaeff.)                             | Coleoptera   | Chrysomelidae    | American aspen beetle    | poplar                               | B      |
| <i>notmani</i> (Schaeff.)  | Coleoptera   | Chrysomelidae    | willow leaf beetle       | willow                               | C      |
| <b>Gossyparia</b><br><i>spuria</i> (Mod.)                                    | Homoptera    | Eriococcidae     | European elm scale       | elm                                  | C      |
| <b>Gracillaria</b> (= <b>Caloptilia</b> in part)<br><i>syringella</i> (F.)   | Lepidoptera  | Gracillariidae   | lilac leafminer          | lilac                                | B      |
| <b>Grammia</b> (= <b>Apantesis</b> )<br><i>parthenice</i> (Kby.)             | Lepidoptera  | Arctiidae        | tiger moth               | general feeder                       | C      |
| <i>virguncula</i> (Kby.)   | Lepidoptera  | Arctiidae        | little virgin tiger moth | general feeder                       | C      |

| Scientific name   | Order       | Family                           | Common name                                 | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|---|--------------------------------------|--------|
| <b><i>Grammoptera subargentata</i></b> (Kby.)                       | Coleoptera  | Cerambycidae                     | longhorned beetle                           | deciduous                            | C      |
| <b><i>Graphiphora augur</i></b> (F.)<br>[= <i>haruspica</i> (Grt.)] | Lepidoptera | Noctuidae                        | cutworm                                     | willow, birch                        | C      |
| <b><i>Graphocephala coccinea</i></b> (Forst.)                       | Homoptera   | Cicadellidae                     | leafhopper                                  | shrubs                               | C      |
| <b><i>Grapholita prunivora</i></b> (Walsh)                          | Lepidoptera | Tortricidae<br>(= Olethreutinae) | lesser appleworm                            | apple                                | C      |
| <b><i>Gretchena amatana</i></b> Heinr.                              | Lepidoptera | Tortricidae<br>(= Olethreutinae) | micro moth                                  | walnut, butternut                    | C      |
| <b><i>delicatana</i></b> Heinr.                                     | Lepidoptera | Tortricidae                      | ironwood fruitworm                          | ironwood                             | C      |
| <b><i>semialba</i></b> McD.   | Lepidoptera | Tortricidae                      | alder leaf-tier                             | alder                                | C      |
| <b><i>Griselda radicana</i></b> Heinr.                              | Lepidoptera | Tortricidae<br>(= Olethreutinae) | redstriped needleworm                       | spruce                               | C      |
| <b><i>Gypsonoma fasciolana</i></b> (Clem.)                          | Lepidoptera | Tortricidae<br>(= Olethreutinae) | willow-and-poplar leafroller                | willow, poplar                       | C      |
| <b><i>haimbachiana</i></b> (Kft.)                                   | Lepidoptera | Tortricidae                      | cottonwood twig borer                       | poplar                               | C      |
| <b><i>salicicolana</i></b> (Clem.)                                  | Lepidoptera | Tortricidae                      | willow leafroller                           | willow                               | C      |
| <b><i>substitutionis</i></b> Heinr.                                 | Lepidoptera | Tortricidae                      | micro moth                                  | deciduous                            | C      |
| <b><i>Habrosyne scripta</i></b> (Gosse)                             | Lepidoptera | Thyatiridae                      | false owlet moth                            | unknown                              | C      |
| <b><i>Halysidota</i></b> (see also <b><i>Lophocampa</i></b> )       |             |                                  |   |                                      |        |
| <b><i>harrisii</i></b> Walsh  | Lepidoptera | Arctiidae                        | sycamore tussock moth                       | sycamore                             | C      |
| <b><i>tessellaris</i></b> (J.E. Smith)                              | Lepidoptera | Arctiidae                        | pale tussock moth                           | deciduous                            | C      |
| <b><i>Hamamelistes spinosus</i></b> Shimer                          | Homoptera   | Aphididae                        | witch hazel gall aphid                      | witch-hazel                          | C      |
| <b><i>Haploa confusa</i></b> (Lyman)                                | Lepidoptera | Arctiidae                        | Lyman haploa                                | deciduous                            | C      |
| <b><i>contigua</i></b> (Wlk.)                                       | Lepidoptera | Arctiidae                        | tiger moth                                  | aspen                                | C      |
| <b><i>lecontei</i></b> (G.-M.)                                      | Lepidoptera | Arctiidae                        | LeConte haploa                              | deciduous                            | C      |
| <b><i>Hedya chionosema</i></b> (Zell.)                              | Lepidoptera | Tortricidae<br>(= Olethreutinae) | twinspotted budworm                         | deciduous                            | C      |
| <b><i>ochroleucana</i></b> (Frö.)                                   | Lepidoptera | Tortricidae                      | rose leafroller                             | deciduous                            | C      |
| <b><i>separatana</i></b> (Kft.)                                     | Lepidoptera | Tortricidae                      | micro moth                                  | birch, serviceberry                  | C      |
| <b><i>Helicoverpa</i></b> see <b><i>Heliothis</i></b>               |             |                                  |   |                                      |        |
| <b><i>Heliomata cycladata</i></b> G. & R.                           | Lepidoptera | Geometridae                      | stout locust looper                         | locust                               | C      |
| <b><i>Heliothis</i></b> (= <b><i>Helicoverpa</i></b> )              |             |                                  |   |                                      |        |
| <b><i>zea</i></b> (Boddie)  | Lepidoptera | Noctuidae                        | corn earworm,<br>tomato fruitworm, bollworm | corn, tomato                         | G      |

| Scientific name  | Order       | Family         | Common name                 | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|-----------------------------|--------------------------------------|--------|
| <b><i>Helotropha reniformis</i></b> (Grt.)                                       | Lepidoptera | Noctuidae      | owlet moth                  | unknown                              | C      |
| <b><i>Hemaris diffinis</i></b> (Bdv.)  | Lepidoptera | Sphingidae     | snowberry clearwing         | deciduous                            | C      |
| <b><i>gracilis</i></b> (G. & R.)   | Lepidoptera | Sphingidae     | clearwing hawk moth         | deciduous                            | C      |
| <b><i>thysbe</i></b> (F.)  | Lepidoptera | Sphingidae     | hummingbird moth            | deciduous                            | C      |
| <b><i>Hemichroa crocea</i></b> (Geoff.)  | Hymenoptera | Tenthredinidae | striped alder sawfly        | alder                                | C      |
| <b><i>militaris</i></b> (Cress.)   | Hymenoptera | Tenthredinidae | cherry sawfly               | cherry                               | C      |
| <b><i>Hepialus gracilis</i></b> Grt.   | Lepidoptera | Hepialidae     | graceful ghost moth         | unknown                              | C      |
| <b><i>Heptagrotis phyllophora</i></b> (Grt.)                                     | Lepidoptera | Noctuidae      | cutworm                     | deciduous                            | C      |
| <b><i>Heraclides</i> see <i>Battus</i>, <i>Papilio</i> and <i>Pterourus</i>)</b> |             |                |                             |                                      |        |
| <b><i>Herculia thymetusalis</i></b> (Wlk.)                                       | Lepidoptera | Pyalidae       | spruce needleworm           | spruce                               | C      |
| <b><i>intermedialis</i></b> (Wlk.)   | Lepidoptera | Pyalidae       | conifer micro moth          | spruce, balsam fir                   | C      |
| <b><i>Herpetogramma pertextalis</i></b> (Led.)                                   | Lepidoptera | Pyalidae       | leafroller                  | deciduous                            | C      |
| <b><i>thestealis</i></b> (Wlk.)  | Lepidoptera | Pyalidae       | leafroller                  | deciduous                            | C      |
| <b><i>Hesperia sassacus</i></b> Harr.  | Lepidoptera | Hesperiidae    | Indian skipper              | unknown                              | C      |
| <b><i>Hesperumia sulphuraria</i></b> Pack.                                       | Lepidoptera | Geometridae    | looper                      | general feeder                       | C      |
| <b><i>Heterarthrus nemoratus</i></b> (Fall.)                                     | Hymenoptera | Tenthredinidae | late birch leaf edgeminer   | birch                                | C      |
| <b><i>Heterocampa</i> (see also <i>Lochmaeus</i>)</b>                            |             |                |                             |                                      |        |
| <b><i>biundata</i></b> Wlk.  | Lepidoptera | Notodontidae   | prominent moth              | deciduous                            | C      |
| <b><i>guttivitta</i></b> (Wlk.)  | Lepidoptera | Notodontidae   | saddled prominent           | sugar maple, beech                   | A      |
| <b><i>obliqua</i></b> Pack.  | Lepidoptera | Notodontidae   | prominent moth              | oak                                  | C      |
| <b><i>umbrata</i></b> Wlk.   | Lepidoptera | Notodontidae   | prominent moth              | birch, oak                           | C      |
| <b><i>umbrata pulverea</i></b> G. & R.   | Lepidoptera | Notodontidae   | prominent moth              | birch, oak                           | C      |
| <b><i>Heterophleps refusaria</i></b> (Wlk.)                                      | Lepidoptera | Geometridae    | looper                      | unknown                              | C      |
| <b><i>triguttaria</i></b> H.-S.  | Lepidoptera | Geometridae    | looper                      | maple                                | C      |
| <b><i>Hethemia pistasciaria</i></b> (Gn.)  | Lepidoptera | Geometridae    | looper                      | deciduous                            | C      |
| <b><i>Hexomyza</i> (= <i>Melanagromyza</i> and <i>Napomyza</i>)</b>              |             |                |                             |                                      |        |
| <b><i>schineri</i></b> (Gir.)  | Diptera     | Agromyzidae    | poplar twiggall fly         | poplar                               | C      |
| <b><i>Hippodamia convergens</i></b> G.-M.  | Coleoptera  | Coccinellidae  | convergent lady beetle      | predator                             | D      |
| <b><i>parenthesis</i></b> (Say)  | Coleoptera  | Coccinellidae  | lady beetle                 | predator                             | D      |
| <b><i>tredecimpunctata tibialis</i></b> (Say)                                    | Coleoptera  | Coccinellidae  | thirteenspotted lady beetle | predator                             | D      |

| Scientific name  | Order       | Family                             | Common name                            | Main host plant(s)<br>or insect type | Rating |
|--|-------------|------------------------------------|--|--------------------------------------|--------|
| <b>Holcocera</b><br><i>chalcfrontella</i> Clem.            | Lepidoptera | Blastobasidae                      | sumac micro moth                       | sumac                                | C      |
| <b>Holcocerina</b><br><i>immaculella</i> McD.              | Lepidoptera | Blastobasidae                      | conifer micro moth                     | pine, spruce                         | C      |
| <b>Holomelina</b><br><i>aurantiaca</i> (Hbn.)              | Lepidoptera | Arctiidae                          | arctiid moth                           | pine                                 | C      |
| <i>ferruginosa</i> (Wlk.)                                  | Lepidoptera | Arctiidae                          | arctiid moth                           | unknown                              | C      |
| <i>laeta treatii</i> (Grt.)                                | Lepidoptera | Arctiidae                          | arctiid moth                           | unknown                              | C      |
| <b>Homadaula</b><br><i>anisocentra</i> Meyr.               | Lepidoptera | Plutellidae<br>(=Glyphipterygidae) | mimosa webworm                         | locust                               | B      |
| <b>Homoglaea</b><br><i>hircina</i> Morr.                   | Lepidoptera | Noctuidae                          | goat sawfly                            | aspen                                | C      |
| <b>Homohadena</b><br><i>badistriga</i> (Grt.)              | Lepidoptera | Noctuidae                          | honeysuckle budworm                    | honeysuckle                          | C      |
| <b>Hoplia</b><br><i>trifasciata</i> Say                    | Coleoptera  | Scarabaeidae                       | scarab beetle                          | flowers                              | F      |
| <b>Hoplochaitophorus</b><br><i>quercicola</i> (Monell)     | Homoptera   | Aphididae                          | oak aphid                              | oak                                  | C      |
| <b>Horisme</b><br><i>intestinata</i> (Gn.)                 | Lepidoptera | Geometridae                        | loopers                                | unknown                              | C      |
| <b>Hormaphis</b><br><i>hamamelidis</i> (Fitch)             | Homoptera   | Aphididae                          | witch-hazel conegall aphid             | witch-hazel                          | C      |
| <b>Hyalophora</b><br><i>cecropia</i> (L.)                  | Lepidoptera | Saturniidae                        | cecropia moth                          | deciduous                            | C      |
| <i>columbia</i> (S.I. Smith)                               | Lepidoptera | Saturniidae                        | larch silkworm,<br>columbian silk moth | larch                                | C      |
| <b>Hybomitra</b><br><i>zonalis</i> (Kby.)                  | Diptera     | Tabanidae                          | moose fly                              | biting insect                        | F      |
| <b>Hydrelia</b><br><i>inornata</i> (Hlst.)                 | Lepidoptera | Geometridae                        | birch looper                           | birch                                | C      |
| <b>Hydria</b><br><i>prunivorata</i> (Fgn.)                 | Lepidoptera | Geometridae                        | cherry scalloped moth                  | black cherry                         | B      |
| <i>undulata</i> (L.)                                       | Lepidoptera | Geometridae                        | scalloped moth                         | deciduous                            | C      |
| <b>Hydriomena</b><br><i>divisaria</i> (Wlk.)               | Lepidoptera | Geometridae                        | transversebanded looper                | spruce                               | C      |
| <i>furcata</i> (Thunb.)                                    | Lepidoptera | Geometridae                        | transverse banded ash looper           | willow, ash                          | C      |
| <i>renunciata</i> (Wlk.)                                   | Lepidoptera | Geometridae                        | alder looper                           | alder                                | C      |
| <b>Hylastes</b><br><i>porculus</i> Er.                     | Coleoptera  | Scolytidae                         | bark beetle                            | pine                                 | C      |
| <b>Hylemya</b> see <i>Lasiomma</i> and <i>Strobilomyia</i> |             |                                    |  |                                      |        |
| <b>Hyles</b> (= <i>Celerio</i> )<br><i>gallii</i> (Rott.)  | Lepidoptera | Sphingidae                         | bedstraw sphinx                        | ground plants                        | F      |

| Scientific name   | Order       | Family                           | Common name                   | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|-------------------------------|--------------------------------------|--------|
| <b>Hylobius</b>   |             |                                  |                               |                                      |        |
| <i>congener</i> D.T.  | Coleoptera  | Curculionidae                    | seedling debarking weevil     | pine logs or stumps                  | C      |
| <i>pales</i> (Hbst.)  | Coleoptera  | Curculionidae                    | pales weevil                  | pine                                 | B      |
| <i>pinicola</i> (Couper)<br>[= <i>piceus</i> (DeG.)]            | Coleoptera  | Curculionidae                    | Couper collar weevil          | pine                                 | C      |
| <i>radicis</i> Buch.  | Coleoptera  | Curculionidae                    | pine root collar weevil       | pine                                 | B      |
| <i>warreni</i> Wood   | Coleoptera  | Curculionidae                    | Warren root collar weevil     | coniferous                           | B      |
| <b>Hylurgopinus</b>   |             |                                  |                               |                                      |        |
| <i>rufipes</i> (Eich.)  | Coleoptera  | Scolytidae                       | native elm bark beetle        | elm                                  | A      |
| <b>Hylurgops</b>  |             |                                  |                               |                                      |        |
| <i>rugipennis pinifex</i> (Fitch)<br>[= <i>pinifex</i> (Fitch)] | Coleoptera  | Scolytidae                       | bark beetle                   | pine, spruce                         | C      |
| <b>Hymenorus</b>  |             |                                  |                               |                                      |        |
| <i>discretus</i> Casey  | Coleoptera  | Tenebrionidae<br>(= Alleculidae) | combclawed beetle             | deciduous                            | C      |
| <i>molestus</i> Fall  | Coleoptera  | Tenebrionidae                    | combclawed beetle             | deciduous                            | C      |
| <i>niger</i> (Melsh.)   | Coleoptera  | Tenebrionidae                    | combclawed beetle             | deciduous                            | C      |
| <i>obesus</i> Casey   | Coleoptera  | Tenebrionidae                    | combclawed beetle             | deciduous                            | C      |
| <i>pilosus</i> (Melsh.)   | Coleoptera  | Tenebrionidae                    | combclawed beetle             | deciduous                            | C      |
| <b>Hypagyrtis</b>   |             |                                  |                               |                                      |        |
| <i>pinjata</i> (Pack.)  | Lepidoptera | Geometridae                      | diamond backed conifer looper | coniferous                           | C      |
| <i>unipunctata</i> (Haw.)<br>[= <i>subatomaria</i> (Wood)]      | Lepidoptera | Geometridae                      | onespotted variant            | deciduous                            | C      |
| <b>Hypera</b>   |             |                                  |                               |                                      |        |
| <i>punctata</i> (F.)  | Coleoptera  | Curculionidae                    | clover leaf weevil            | clover                               | F      |
| <b>Hyperaspis</b>   |             |                                  |                               |                                      |        |
| <i>bigeminata</i> (Rand.)                                       | Coleoptera  | Coccinellidae                    | lady beetle                   | predator                             | D      |
| <i>binotata</i> (Say)<br>(= <i>paspalis</i> Watson)             | Coleoptera  | Coccinellidae                    | lady beetle                   | predator                             | D      |
| <i>conviva</i> Casey<br>(= <i>congressis</i> Watson)            | Coleoptera  | Coccinellidae                    | lady beetle                   | predator                             | D      |
| <i>proba</i> (Say)  | Coleoptera  | Coccinellidae                    | lady beetle                   | predator                             | D      |
| <b>Hyperetis</b> see <b>Probole</b>                             |             |                                  |                               |                                      |        |
| <b>Hyperstrotia</b>   |             |                                  |                               |                                      |        |
| <i>pervertens</i> (B. & McD.)                                   | Lepidoptera | Noctuidae                        | owlet moth                    | elm, oak                             | C      |
| <b>Hyphantria</b>   |             |                                  |                               |                                      |        |
| <i>cunea</i> (Drury)  | Lepidoptera | Arctiidae                        | fall webworm                  | deciduous                            | B      |
| <b>Hypoprepia</b>   |             |                                  |                               |                                      |        |
| <i>fucosa</i> Hbn.  | Lepidoptera | Arctiidae                        | painted lichen moth           | general feeder                       | C      |
| <i>miniata</i> (Kby.)   | Lepidoptera | Arctiidae                        | scarletwinged lichen moth     | general feeder                       | C      |
| <b>Hyposoter</b>  |             |                                  |                               |                                      |        |
| <i>fugitivus</i> (Say)  | Hymenoptera | Ichneumonidae                    | parasite                      | parasite                             | D      |
| <b>Hyppa</b>  |             |                                  |                               |                                      |        |
| <i>xylinoidea</i> (Gn.)   | Lepidoptera | Noctuidae                        | cranberry cutworm             | cranberry                            | C      |
| <b>Hysterosia</b> see <b>Phalonia</b>                           |             |                                  |                               |                                      |        |
| <b>Ichthyura</b> see <b>Clostera</b>                            |             |                                  |                               |                                      |        |

| Scientific name   | Order       | Family                           | Common name                    | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|--------------------------------|--------------------------------------|--------|
| <b>Idia (= Epizeuxis)</b>   |             |                                  |                                |                                      |        |
| <i>aemula</i> Hbn.  | Lepidoptera | Noctuidae                        | owlet moth                     | spruce                               | C      |
| <i>americalis</i> (Gn.)   | Lepidoptera | Noctuidae                        | owlet moth                     | spruce                               | C      |
| <i>lubricalis</i> (Gey.)  | Lepidoptera | Noctuidae                        | owlet moth                     | unknown                              | C      |
| <b>Idiocerus</b>  |             |                                  |                                |                                      |        |
| <i>populi</i> (L.)  | Homoptera   | Cicadellidae                     | leafhopper                     | poplar                               | C      |
| <b>Incisalia (= Callophrys)</b>   |             |                                  |                                |                                      |        |
| <i>niphon clarki</i> (Free.)  | Lepidoptera | Lycaenidae                       | pine elfin                     | pine, spruce                         | C      |
| <b>Ipimorpha</b>  |             |                                  |                                |                                      |        |
| <i>pleonectusa</i> Grt.   | Lepidoptera | Noctuidae                        | blackcheeked aspen caterpillar | poplar, willow                       | C      |
| <b>Ips</b>  |             |                                  |                                |                                      |        |
| <i>borealis</i> Sw.   | Coleoptera  | Scolytidae                       | northern engraver              | spruce                               | C      |
| <i>calligraphus</i> (Germ.)   | Coleoptera  | Scolytidae                       | coarsewriting engraver         | pine                                 | C      |
| <i>grandicollis</i> (Eich.)   | Coleoptera  | Scolytidae                       | southern pine engraver         | pine                                 | C      |
| <i>perroti</i> Sw.  | Coleoptera  | Scolytidae                       | bark beetle                    | pine                                 | C      |
| <i>perturbatus</i> (Eich.)  | Coleoptera  | Scolytidae                       | northern spruce engraver       | spruce                               | C      |
| <i>pini</i> (Say)   | Coleoptera  | Scolytidae                       | pine engraver                  | pine, spruce                         | B      |
| <b>Iridopsis (= Anacamptodes)</b>   |             |                                  |                                |                                      |        |
| <i>larvaria</i> (Gn.)   | Lepidoptera | Geometridae                      | looper                         | deciduous                            | C      |
| <b>Isa</b>  |             |                                  |                                |                                      |        |
| <i>textula</i> (H.-S.)  | Lepidoptera | Limacodidae                      | slug caterpillar               | white oak                            | C      |
| <b>Isia see Pyrrharctia</b>   |             |                                  |                                |                                      |        |
| <b>Isochnus (= Rhynchaenus)</b>   |             |                                  |                                |                                      |        |
| <i>rufipes</i> (LeC.)   | Coleoptera  | Curculionidae                    | willow flea weevil             | willow                               | C      |
| <b>Isomira</b>  |             |                                  |                                |                                      |        |
| <i>quadristriata</i> (Couper)   | Coleoptera  | Tenebrionidae<br>(= Alleculidae) | combclawed beetle              | deciduous                            | C      |
| <b>Itame (see also Eumacaria)</b>   |             |                                  |                                |                                      |        |
| <i>anataria</i> (Swett)   | Lepidoptera | Geometridae                      | spanworm                       | white birch                          | C      |
| <i>argillacearia</i> (Pack.)  | Lepidoptera | Geometridae                      | spanworm                       | pine                                 | C      |
| <i>brunneata</i> (Thunb.)   | Lepidoptera | Geometridae                      | spanworm                       | spruce                               | C      |
| [= <i>fulvaria</i> (Vill.)]   |             |                                  |                                |                                      |        |
| <i>exauspicata</i> (Wlk.)   | Lepidoptera | Geometridae                      | spanworm                       | deciduous                            | C      |
| <i>loricaria</i> (Hlst.)  | Lepidoptera | Geometridae                      | false bruce spanworm           | aspen, poplar                        | C      |
| [= <i>julia</i> (Hlst.)]  |             |                                  |                                |                                      |        |
| <i>pustularia</i> (Gn.)   | Lepidoptera | Geometridae                      | lesser maple spanworm          | maple                                | C      |
| <i>ribearia</i> (Fitch)   | Lepidoptera | Geometridae                      | currant spanworm               | currant                              | C      |
| <b>Itonida see Clinodiplosis</b>  |             |                                  |                                |                                      |        |
| <b>Itoplectis</b>   |             |                                  |                                |                                      |        |
| <i>conquisitor</i> (Say)  | Hymenoptera | Ichneumonidae                    | parasite                       | parasite                             | D      |
| <b>Janetiella (= Mayetiola in part) (see also Celticecis and Rhabdophaga)</b> |             |                                  |                                |                                      |        |
| <i>ulmii</i> (Beut.)  | Diptera     | Cecidomyiidae                    | elm midge                      | elm                                  | C      |
| <b>Janus</b>  |             |                                  |                                |                                      |        |
| <i>abbreviatus</i> (Say)  | Hymenoptera | Cephididae                       | willow shoot sawfly            | willow, poplar                       | C      |
| <i>integer</i> (Nort.)  | Hymenoptera | Cephididae                       | currant stem girdler           | currant                              | C      |

| Scientific name  | Order       | Family        | Common name                | Main host plant(s)<br>or insect type | Rating |
|--|-------------|---------------|----------------------------|--------------------------------------|--------|
| <b>Japanagromyza</b><br><i>viridula</i> (Coq.)                                   | Diptera     | Agromyzidae   | leafminer                  | white oak                            | C      |
| <b>Judolia</b> (= <i>Anoplerda</i> in part)<br><i>m. montivagans</i> (Couper)    | Coleoptera  | Cerambycidae  | longhorned beetle          | unknown                              | C      |
| <b>Kaltenbachiella</b> (= <i>Gobaishia</i> )<br><i>ulmifusa</i> (Walsh & Riley)  | Homoptera   | Aphididae     | elm pouchgall aphid        | elm                                  | C      |
| <b>Kaltenbachiola</b> (= <i>Dasineura</i> in part)<br><i>canadensis</i> (Felt)   | Diptera     | Cecidomyiidae | spruce cone gall midge     | spruce cones                         | C      |
| <i>rachiphaga</i> (Tripp)  | Diptera     | Cecidomyiidae | spruce cone axis midge     | spruce cones                         | C      |
| <b>Kleidocerys</b><br><i>resedae geminatus</i> (Say)                             | Heteroptera | Lygaeidae     | birch catkin bug           | birch                                | C      |
| <b>Labidomera</b><br><i>trimaculata</i> (F.)<br>[= <i>clivicollis</i> (Kby.)]    | Coleoptera  | Chrysomelidae | milkweed leaf beetle       | milkweed                             | F      |
| <b>Lacanobia</b> (see also <i>Melanchra</i> , <i>Papestra</i> and <i>Polia</i> ) |             |               |                            |                                      |        |
| <i>grandis</i> (Gn.)   | Lepidoptera | Noctuidae     | cutworm                    | willow, cherry                       | C      |
| <i>legitima</i> (Grt.)   | Lepidoptera | Noctuidae     | striped garden caterpillar | general feeder                       | C      |
| <i>lilacina</i> (Harv.)  | Lepidoptera | Noctuidae     | flax cutworm               | field crops                          | G      |
| <i>lutra</i> (Gn.)   | Lepidoptera | Noctuidae     | cutworm                    | general feeder                       | C      |
| <i>nevadae</i> (Grt.)  | Lepidoptera | Noctuidae     | cutworm                    | birch                                | C      |
| <i>radix</i> (Wlk.)  | Lepidoptera | Noctuidae     | cutworm                    | birch, alder                         | C      |
| <i>tacoma</i> (Stkr.)  | Lepidoptera | Noctuidae     | cutworm                    | cherry, birch                        | C      |
| <b>Lacinipolia</b>   |             |               |                            |                                      |        |
| <i>lorea</i> (Gn.)   | Lepidoptera | Noctuidae     | cutworm                    | dandelion                            | F      |
| <i>lustralis</i> (Grt.)  | Lepidoptera | Noctuidae     | cutworm                    | dandelion, alfalfa                   | F      |
| <i>meditata</i> (Grt.)   | Lepidoptera | Noctuidae     | pinkbacked cutworm         | dandelion                            | F      |
| <i>olivacea</i> (Morr.)  | Lepidoptera | Noctuidae     | cutworm                    | dandelion                            | F      |
| <i>renigera</i> (Steph.)   | Lepidoptera | Noctuidae     | bristly cutworm            | dandelion, plantain                  | F      |
| <b>Lacon</b> see <i>Danosoma</i>   |             |               |                            |                                      |        |
| <b>Lambdina</b>  |             |               |                            |                                      |        |
| <i>fervidaria athasaria</i> (Wlk.)   | Lepidoptera | Geometridae   | looper                     | deciduous                            | C      |
| <i>f. fiscellaria</i> (Gn.)  | Lepidoptera | Geometridae   | hemlock looper             | general feeder                       | A      |
| <b>Laothoe</b> (= <i>Cressonia</i> )   |             |               |                            |                                      |        |
| <i>juglandis</i> (J.E. Smith)  | Lepidoptera | Sphingidae    | walnut sphinx              | walnut                               | C      |
| <b>Lapara</b>  |             |               |                            |                                      |        |
| <i>bombycoides</i> Wlk.  | Lepidoptera | Sphingidae    | pine tree sphinx           | pine                                 | C      |
| <b>Lasiomma</b> see <i>Strobilomyia</i> (= <i>Hylemya</i> )                      |             |               |                            |                                      |        |
| <b>Laspeyresia</b> see <i>Cydia</i>  |             |               |                            |                                      |        |
| <b>Lecanium</b> see <i>Parthenolecanium</i>                                      |             |               |                            |                                      |        |
| <b>Lepidosaphes</b>  |             |               |                            |                                      |        |
| <i>ulmi</i> (L.)   | Homoptera   | Diaspididae   | oystershell scale          | fruit trees                          | B      |
| <b>Leptocoris</b> see <i>Boisea</i>  |             |               |                            |                                      |        |

| Scientific name   | Order       | Family         | Common name           | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|-----------------------|--------------------------------------|--------|
| <b>Leptura</b><br><i>subhamata</i> Rand.  | Coleoptera  | Cerambycidae   | longhorned beetle     | red maple                            | C      |
| <b>Lepturopsis</b> (= <i>Anoplodera</i> in part)<br><i>biforis</i> (Newm.)              | Coleoptera  | Cerambycidae   | longhorned beetle     | general feeder                       | C      |
| <b>Lepyrus</b><br><i>nordenskioldi</i><br><i>alterans</i> Casey                         | Coleoptera  | Curculionidae  | weevil                | willow                               | C      |
| <i>palustris</i> (Scop.)  | Coleoptera  | Curculionidae  | weevil                | willow                               | C      |
| <b>Lestodiplosis</b><br><i>grassator</i> (Fyles)  | Diptera     | Cecidomyiidae  | midge                 | probably a predator                  | D      |
| <b>Lethocerus</b><br><i>americanus</i> (Leidy)  | Heteroptera | Belostomatidae | giant water bug       | aquatic                              | F      |
| <b>Leucania</b> see <i>Pseudaletia</i>  |             |                |                       |                                      |        |
| <b>Leucanthiza</b><br><i>dircella</i> Braun   | Lepidoptera | Gracillariidae | leatherwood leafminer | leatherwood                          | C      |
| <b>Leucoma</b> (= <i>Stilpnotia</i> )<br><i>salicis</i> (L.)                            | Lepidoptera | Lymantriidae   | satin moth            | poplar, willow                       | B      |
| <b>Leuconycta</b><br><i>diphtheroides</i> (Gn.)   | Lepidoptera | Noctuidae      | marbled microcaelia   | goldenrod                            | F      |
| <b>Leucoptera</b> see <i>Paraleucoptera</i>   |             |                |                       |                                      |        |
| <b>Limacodes</b> see <i>Apoda</i>   |             |                |                       |                                      |        |
| <b>Limenitis</b> (= <i>Basilarchia</i> )<br><i>archippus</i> (Cram.)                    | Lepidoptera | Nymphalidae    | viceroy               | deciduous                            | C      |
| <i>a. arthemis</i> (Drury)  | Lepidoptera | Nymphalidae    | white admiral         | deciduous                            | C      |
| <i>arthemis astyanax</i> (F.)   | Lepidoptera | Nymphalidae    | redspotted purple     | deciduous                            | C      |
| <b>Limonius</b><br><i>aeger</i> LeC.  | Coleoptera  | Elateridae     | click beetle          | soil insect                          | C      |
| <b>Lithacodes</b><br><i>fasciola</i> (H.-S.)  | Lepidoptera | Limacodidae    | slug caterpillar      | deciduous                            | C      |
| <b>Lithacodia</b><br><i>abidula</i> (Gn.)   | Lepidoptera | Noctuidae      | owlet moth            | grasses                              | C      |
| <b>Lithocolletis</b> see <i>Phyllonorycter</i> , <i>Cameraria</i> and <i>Chrysaster</i> |             |                |                       |                                      |        |
| <b>Litholomia</b><br><i>napaea</i> (Morr.)  | Lepidoptera | Noctuidae      | owlet moth            | aspen                                | C      |
| <b>Lithomoia</b><br><i>solidaginis germana</i> Morr.                                    | Lepidoptera | Noctuidae      | owlet moth            | blueberry, Labrador tea              | C      |
| <b>Lithophane</b><br><i>amanda</i> (Sm.)  | Lepidoptera | Noctuidae      | owlet moth            | deciduous                            | C      |
| <i>antennata</i> (Wlk.)   | Lepidoptera | Noctuidae      | green fruitworm       | apple                                | C      |
| <i>baileyi</i> Grt.   | Lepidoptera | Noctuidae      | owlet moth            | choke cherry                         | C      |
| <i>bethunei</i> (G. & R.)   | Lepidoptera | Noctuidae      | owlet moth            | deciduous                            | C      |
| <i>disposita</i> Morr.  | Lepidoptera | Noctuidae      | owlet moth            | cherry, willow                       | C      |



| Scientific name   | Order       | Family       | Common name                  | Main host plant(s)<br>or insect type | Rating |
|---|-------------|--------------|------------------------------|--------------------------------------|--------|
| <b>Lithophane</b> (cont'd)  |             |              |                              |                                      |        |
| <i>fagina</i> Morr.   | Lepidoptera | Noctuidae    | owlet moth                   | birch                                | C      |
| <i>ferrealis</i> Grt.   | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>georgii</i> Grt.   | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>grotei</i> Riley<br>(= <i>cinerosa</i> Grt.)                   | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>hemina</i> Grt.  | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>innominata</i> (Sm.)   | Lepidoptera | Noctuidae    | owlet moth                   | cherry                               | C      |
| <i>laticinerea</i> Grt.   | Lepidoptera | Noctuidae    | owlet moth                   | cherry, apple                        | C      |
| <i>lepida</i> Grt.  | Lepidoptera | Noctuidae    | owlet moth                   | pine                                 | C      |
| <i>patefacta</i> (Wlk.)   | Lepidoptera | Noctuidae    | owlet moth                   | cherry                               | C      |
| <i>petulca</i> Grt.   | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>pexata</i> Grt.  | Lepidoptera | Noctuidae    | owlet moth                   | general feeder                       | C      |
| <i>semiusta</i> Grt.  | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>tepida</i> Grt.  | Lepidoptera | Noctuidae    | owlet moth                   | deciduous                            | C      |
| <i>thaxteri</i> Grt.  | Lepidoptera | Noctuidae    | owlet moth                   | general feeder                       | C      |
| <i>unimoda</i> (Lint.)  | Lepidoptera | Noctuidae    | owlet moth                   | cherry                               | C      |
| <b>Lobophora</b>  |             |              |                              |                                      |        |
| <i>nivigerata</i> Wlk.  | Lepidoptera | Geometridae  | twolined aspen looper        | aspen                                | C      |
| <b>Lochmaeus</b> (see also <b>Heterocampa</b> )                   |             |              |                              |                                      |        |
| <i>bilineata</i> (Pack.)  | Lepidoptera | Notodontidae | elm prominent                | elm                                  | C      |
| <i>manteo</i> Dbly.   | Lepidoptera | Notodontidae | variable oakleaf caterpillar | deciduous                            | C      |
| <b>Lomanaltes</b>   |             |              |                              |                                      |        |
| <i>eductalis</i> (Wlk.)   | Lepidoptera | Noctuidae    | alder caterpillar            | alder                                | C      |
| <b>Lomographa</b>   |             |              |                              |                                      |        |
| <i>glomeraria</i> (Grt.)  | Lepidoptera | Geometridae  | looper                       | deciduous                            | C      |
| <i>semiclarata</i> (Wlk.)   | Lepidoptera | Geometridae  | wild cherry looper           | deciduous                            | C      |
| <i>vestaliata</i> (Gn.)   | Lepidoptera | Geometridae  | looper                       | deciduous                            | C      |
| <b>Lophocampa</b> (see also <b>Halysidota</b> )                   |             |              |                              |                                      |        |
| <i>caryae</i> Harr.   | Lepidoptera | Arctiidae    | hickory tussock moth         | deciduous                            | C      |
| <i>maculata</i> Harr.   | Lepidoptera | Arctiidae    | spotted tussock moth         | deciduous                            | C      |
| <b>Lophodonta</b> see <b>Peridea</b> (see also <b>Notodonta</b> ) |             |              |                              |                                      |        |
| <b>Lucanus</b> (= <b>Pseudolucanus</b> )                          |             |              |                              |                                      |        |
| <i>placidus</i> Say   | Coleoptera  | Lucanidae    | stag beetle                  | decayed wood                         | F      |
| <b>Lucidota</b> (see also <b>Ellychnia</b> and <b>Pyropyga</b> )  |             |              |                              |                                      |        |
| <i>atra</i> (Oliv.)   | Coleoptera  | Lampyridae   | firefly                      | predator                             | D      |
| <b>Lycaena</b>  |             |              |                              |                                      |        |
| <i>phlaeas americana</i> Harr.                                    | Lepidoptera | Lycaenidae   | American copper              | Rumex spp.                           | C      |
| <b>Lycia</b>  |             |              |                              |                                      |        |
| <i>ursaria</i> (Wlk.)   | Lepidoptera | Geometridae  | stout spanworm               | deciduous                            | C      |
| <b>Lycomorpha</b>   |             |              |                              |                                      |        |
| <i>pholus</i> (Drury)   | Lepidoptera | Arctiidae    | lichen caterpillar           | lichen                               | F      |
| <b>Lygaeus</b>  |             |              |                              |                                      |        |
| <i>kalmii</i> Stål  | Heteroptera | Lygaeidae    | small milkweed bug           | milkweed                             | F      |
| <b>Lygris</b> see <b>Eulithis</b>                                 |             |              |                              |                                      |        |

| Scientific name   | Order       | Family         | Common name               | Main host plant(s)<br>or insect type       | Rating |
|---|-------------|----------------|---------------------------|--|--------|
| <b><i>Lymantor decipiens</i></b> (LeC.)   | Coleoptera  | Scolytidae     | bark beetle               | deciduous                                  | C      |
| <b><i>Lymantria</i></b> (= <b><i>Porthetria</i></b> )<br><b><i>dispar</i></b> (L.)                    | Lepidoptera | Lymantriidae   | gypsy moth                | general feeder                             | A      |
| <b><i>Lytta sayi</i></b> LeC.   | Coleoptera  | Meloidae       | Say blister beetle        | larva - predator<br>adult - general feeder | D<br>C |
| <b><i>Macaria</i></b> (see also <b><i>Semiothisa</i></b> )<br><b><i>signaria dispuncta</i></b> (Wik.) | Lepidoptera | Geometridae    | spruce-fir looper         | coniferous                                 | C      |
| <b><i>Machimia tentoriferella</i></b> Clem.   | Lepidoptera | Oecophoridae   | leaffolder                | deciduous                                  | C      |
| <b><i>Macremphytus tarsatus</i></b> (Say)<br>(= <b><i>intermedius</i></b> (Dyar))                     | Hymenoptera | Tenthredinidae | dogwood sawfly            | dogwood                                    | C      |
| <b><i>testaceus</i></b> (Nort.)<br>(= <b><i>varianus</i></b> (Nort.))                                 | Hymenoptera | Tenthredinidae | dogwood sawfly            | dogwood                                    | C      |
| <b><i>Macroductylus subspinus</i></b> (F.)  | Coleoptera  | Scarabaeidae   | rose chafer               | rose, wild grape                           | C      |
| <b><i>Macrodiplosis</i></b> (see also <b><i>Cecidomyia</i></b> )<br><b><i>niveipila</i></b> O.S.      | Diptera     | Cecidomyiidae  | gall midge                | oak  | C      |
| <b><i>Macrohaltica</i></b> see <b><i>Altica</i></b>   |             |                |                           |  |        |
| <b><i>Macrophya punctumalbum</i></b> (L.)   | Hymenoptera | Tenthredinidae | European privet sawfly    | privet                                     | C      |
| <b><i>tibiator</i></b> Nort.  | Hymenoptera | Tenthredinidae | sawfly                    | elderberry                                 | C      |
| <b><i>Macroxyla ferruginea</i></b> (Say)  | Hymenoptera | Xyelidae       | elm sawfly                | elm  | C      |
| <b><i>Macrurocampa marthesia</i></b> (Cram.)  | Lepidoptera | Notodontidae   | hardwood caterpillar      | oak, maple                                 | C      |
| <b><i>Magdalis austera</i></b> Fall   | Coleoptera  | Curculionidae  | weevil                    | deciduous                                  | C      |
| <b><i>barbita</i></b> (Say)   | Coleoptera  | Curculionidae  | black elm bark weevil     | deciduous                                  | C      |
| <b><i>perforata</i></b> Horn  | Coleoptera  | Curculionidae  | weevil                    | coniferous                                 | C      |
| <b><i>Malachius aeneus</i></b> (L.)   | Coleoptera  | Melyridae      | flower beetle             | flowers                                    | F      |
| <b><i>Malacosoma americanum</i></b> (F.)  | Lepidoptera | Lasiocampidae  | eastern tent caterpillar  | cherry                                     | B      |
| <b><i>californicum lutescens</i></b> (N. & D.)  | Lepidoptera | Lasiocampidae  | prairie tent caterpillar  | cherry                                     | E      |
| <b><i>californicum pluviale</i></b> (Dyar)  | Lepidoptera | Lasiocampidae  | northern tent caterpillar | cherry                                     | B      |
| <b><i>disstria</i></b> Hbn.   | Lepidoptera | Lasiocampidae  | forest tent caterpillar   | aspen, deciduous                           | A      |
| <b><i>Mamestra curialis</i></b> (Sm.)   | Lepidoptera | Noctuidae      | garden armyworm           | ground plants                              | F      |

| Scientific name   | Order       | Family                   | Common name                        | Main host plant(s)<br>or insect type | Rating |
|---|-------------|--------------------------|------------------------------------|--------------------------------------|--------|
| <b>Manduca</b> (= <i>Phlegethontius</i> )   |             |                          |                                    |                                      |        |
| <i>quinquemaculata</i> (Haw.)   | Lepidoptera | Sphingidae               | tomato hornworm                    | tomato, potato                       | G      |
| <i>sexta</i> (L.)   | Lepidoptera | Sphingidae               | tobacco hornworm                   | tobacco, tomato                      | G      |
| <b>Mantis</b>   |             |                          |                                    |                                      |        |
| <i>religiosa</i> L.   | Mantodea    | Mantidae                 | European mantid,<br>praying mantis | predator                             | D      |
| <b>Marathyssa</b>   |             |                          |                                    |                                      |        |
| <i>inficita</i> (Wlk.)  | Lepidoptera | Noctuidae                | sumac caterpillar                  | sumac                                | C      |
| <b>Marmara</b>  |             |                          |                                    |                                      |        |
| <i>fasciella</i> (Cham.)  | Lepidoptera | Gracillariidae           | white pine barkminer               | white pine                           | C      |
| <b>Martyrhilda</b> see <i>Depressariodes</i>  |             |                          |                                    |                                      |        |
| <b>Matsucoccus</b>  |             |                          |                                    |                                      |        |
| <i>macrocitrices</i> Rich.  | Homoptera   | Margarodidae             | white pine fungus scale            | white pine                           | C      |
| <b>Mayetiola</b> (see also <i>Celticecis</i> , <i>Janetiella</i> and <i>Rhabdophaga</i> ) |             |                          |                                    |                                      |        |
| <i>carpophaga</i> (Tripp)   | Diptera     | Cecidomyiidae            | spruce seed midge                  | spruce cone                          | C      |
| <i>piceae</i> (Felt)  | Diptera     | Cecidomyiidae            | spruce gall midge                  | spruce                               | C      |
| <i>rigidae</i> (O.S.)   | Diptera     | Cecidomyiidae            | willow beaked gall midge           | willow                               | C      |
| <i>walshii</i> (Felt)   | Diptera     | Cecidomyiidae            | clustered willow gall midge        | willow                               | C      |
| <b>Meadorus</b> see <i>Elasmucha</i>  |             |                          |                                    |                                      |        |
| <b>Mecas</b> (see also <i>Saperda</i> )   |             |                          |                                    |                                      |        |
| <i>inornata</i> (Say)   | Coleoptera  | Cerambycidae             | poplar gall borer                  | poplar                               | C      |
| <b>Mecyna</b>   |             |                          |                                    |                                      |        |
| <i>mustelinalis</i> (Pack.)   | Lepidoptera | Pyralidae                | micro moth                         | unknown                              | C      |
| <b>Megacyllene</b>  |             |                          |                                    |                                      |        |
| <i>caryae</i> (Gahan)   | Coleoptera  | Cerambycidae             | painted hickory borer              | hickory, ash                         | C      |
| <i>robiniae</i> (Forst.)  | Coleoptera  | Cerambycidae             | locust borer                       | black locust                         | C      |
| <b>Meganola</b>   |             |                          |                                    |                                      |        |
| <i>minuscula</i> (Zell.)  | Lepidoptera | Noctuidae<br>(= Nolinae) | oak caterpillar                    | white oak                            | C      |
| <b>Megarhyssa</b>   |             |                          |                                    |                                      |        |
| <i>m. macrurus</i> (L.)   | Hymenoptera | Ichneumonidae            | parasite                           | parasite                             | D      |
| <b>Megastigmus</b>  |             |                          |                                    |                                      |        |
| <i>a. atedius</i> Wik.<br>(= <i>piceae</i> Roh.)  | Hymenoptera | Torymidae                | spruce seed chalcid                | spruce cones<br>white pine cones     | C      |
| <i>laricis</i> Marc.  | Hymenoptera | Torymidae                | larch seed chalcid                 | larch                                | C      |
| <i>specularis</i> Walley  | Hymenoptera | Torymidae                | balsam fir seed chalcid            | balsam fir                           | C      |
| <b>Megaxyela</b>  |             |                          |                                    |                                      |        |
| <i>major</i> (Cress.)   | Hymenoptera | Xyelidae                 | hickory sawfly                     | hickory                              | C      |
| <b>Melanagromyza</b> see <i>Hexomyza</i> and <i>Napomyza</i>                              |             |                          |                                    |                                      |        |
| <b>Melanchra</b> (see also <i>Lacanobia</i> , <i>Papestra</i> and <i>Polia</i> )          |             |                          |                                    |                                      |        |
| <i>adjuncta</i> (Gn.)   | Lepidoptera | Noctuidae                | hitched mamestra                   | deciduous                            | C      |
| <i>assimilis</i> (Morr.)  | Lepidoptera | Noctuidae                | cutworm                            | deciduous                            | C      |
| <i>picta</i> (Harr.)  | Lepidoptera | Noctuidae                | zebra caterpillar                  | agricultural pest                    | F      |
| <i>pulverulenta</i> (Sm.)   | Lepidoptera | Noctuidae                | cutworm                            | general feeder                       | C      |

| Scientific name                                  | Order       | Family                           | Common name                | Main host plant(s)<br>or insect type       | Rating |
|--|-------------|----------------------------------|----------------------------|--|--------|
| <b>Melanolopia</b>                               |             |                                  |                            |  |        |
| <i>canadaria</i> (Gn.)                           | Lepidoptera | Geometridae                      | variable redmarked looper  | deciduous                                  | C      |
| <i>imitata</i> (Wlk.)                            | Lepidoptera | Geometridae                      | greenstriped forest looper | coniferous                                 | C      |
| <i>signataria</i> (Wlk.)                         | Lepidoptera | Geometridae                      | striped green looper       | general feeder                             | C      |
| <b>Melanophila</b> see <i>Oxypteris</i>          |             |                                  |                            |  |        |
| <b>Melanotus</b>                                 |             |                                  |                            |  |        |
| <i>castanipes</i> (Payk.)                        | Coleoptera  | Elateridae                       | click beetle               | soil insects                               | F      |
| <i>leonardi</i> (LeC.)                           | Coleoptera  | Elateridae                       | click beetle               | soil insects                               | F      |
| <b>Melaphis</b>                                  |             |                                  |                            |  |        |
| <i>rhois</i> (Fitch)                             | Homoptera   | Aphididae                        | sumac aphid                | sumac                                      | C      |
| <b>Melissopus</b> (= <i>Cydia</i> )              |             |                                  |                            |  |        |
| <i>latiferreanus</i> (Wlsm.)                     | Lepidoptera | Tortricidae<br>(= Olethreutinae) | filbertworm                | hazel                                      | C      |
| <b>Melitaea</b> see <i>Charidryas</i>            |             |                                  |                            |  |        |
| <b>Meloe</b>                                     |             |                                  |                            |  |        |
| <i>americanus</i> Leach                          | Coleoptera  | Meloidae                         | buttercup oil beetle       | larva - predator                           | D      |
| <i>angusticollis</i> Say                         | Coleoptera  | Meloidae                         | blister beetle             | larva - predator<br>adult - general feeder | D<br>C |
| <b>Meoneura</b>                                  |             |                                  |                            |  |        |
| <i>obscura</i> (Fall.)                           | Diptera     | Milichiidae                      | European leafminer         | deciduous                                  | C      |
| <b>Meroptera</b>                                 |             |                                  |                            |  |        |
| <i>abditiva</i> Heinr.                           | Lepidoptera | Pyalidae                         | micro moth                 | poplar                                     | C      |
| <i>pravella</i> (Grt.)                           | Lepidoptera | Pyalidae                         | lesser aspen webworm       | aspen                                      | C      |
| <b>Mesoleius</b>                                 |             |                                  |                            |  |        |
| <i>tenthredinis</i> Morley                       | Hymenoptera | Ichneumonidae                    | parasite                   | parasite                                   | D      |
| <b>Messa</b>                                     |             |                                  |                            |  |        |
| <i>nana</i> (Klug)                               | Hymenoptera | Tenthredinidae                   | early birch leaf edgeminer | birch                                      | C      |
| <i>populifoliella</i> (Townsend)                 | Hymenoptera | Tenthredinidae                   | poplar leafmining sawfly   | poplar                                     | C      |
| <b>Metacmaeops</b> (= <i>Anoplodera</i> in part) |             |                                  |                            |  |        |
| <i>vittata</i> (Swed.)                           | Coleoptera  | Cerambycidae                     | longhorned beetle          | general feeder                             | C      |
| <b>Metalepsis</b>                                |             |                                  |                            |  |        |
| <i>salicarum</i> (Wlk.)                          | Lepidoptera | Noctuidae                        | owlet moth                 | unknown                                    | C      |
| <b>Metallus</b>                                  |             |                                  |                            |  |        |
| <i>rohweri</i> MacG.                             | Hymenoptera | Tenthredinidae                   | blackberry leafminer       | berry bushes                               | C      |
| <b>Metanema</b>                                  |             |                                  |                            |  |        |
| <i>determinata</i> Wlk.                          | Lepidoptera | Geometridae                      | looper                     | unknown                                    | C      |
| <i>inatomaria</i> Gn.                            | Lepidoptera | Geometridae                      | poplar looper              | poplar                                     | C      |
| <b>Metcalfa</b>                                  |             |                                  |                            |  |        |
| <i>pruinosa</i> (Say)                            | Homoptera   | Flatidae                         | planthopper                | elm  | C      |
| <b>Microgoes</b>                                 |             |                                  |                            |  |        |
| <i>oculatus</i> (LeC.)                           | Coleoptera  | Cerambycidae                     | longhorned wood borer      | deciduous                                  | C      |
| <b>Micrurapteryx</b>                             |             |                                  |                            |  |        |
| <i>salicifoliella</i> (Cham.)                    | Lepidoptera | Gracillariidae                   | willow leafminer           | willow                                     | B      |

| Scientific name  | Order       | Family        | Common name             | Main host plant(s)<br>or insect type | Rating |
|--|-------------|---------------|-------------------------|--------------------------------------|--------|
| <b>Mindarus</b><br><i>abietinus</i> Koch                                     | Homoptera   | Aphididae     | balsam twig aphid       | balsam fir                           | C      |
| <b>Monochamus</b><br><i>marmorator</i> Kby.                                  | Coleoptera  | Cerambycidae  | balsam fir sawyer       | coniferous                           | B      |
| <i>mutator</i> LeC.  | Coleoptera  | Cerambycidae  | spotted pine sawyer     | coniferous                           | C      |
| <i>notatus</i> (Drury)   | Coleoptera  | Cerambycidae  | northeastern sawyer     | coniferous                           | B      |
| <i>s. scutellatus</i> (Say)  | Coleoptera  | Cerambycidae  | whitespotted sawyer     | coniferous                           | A      |
| <b>Monoctenus</b><br><i>fulvus</i> (Nort.)                                   | Hymenoptera | Diprionidae   | cedar sawfly            | cedar, juniper                       | C      |
| <i>suffusus</i> (Cress.)<br>(= <i>juniperinus</i> MacG.)                     | Hymenoptera | Diprionidae   | juniper sawfly          | cedar, juniper                       | C      |
| <b>Moodna</b><br><i>ostrinella</i> (Clem.)                                   | Lepidoptera | Pyrilidae     | micro moth              | sumac, oak                           | C      |
| <b>Mordvilkoja</b><br><i>vagabunda</i> (Walsh)                               | Homoptera   | Aphididae     | poplar vagabond aphid   | poplar                               | C      |
| <b>Morrisonia</b> (see also <b>Achatia</b> )<br><i>confusa</i> (Hbn.)        | Lepidoptera | Noctuidae     | owlet moth              | deciduous                            | C      |
| <b>Mulsantina</b><br><i>hudsonica</i> (Casey)                                | Coleoptera  | Coccinellidae | lady beetle             | predator                             | D      |
| <i>picta</i> (Rand.)   | Coleoptera  | Coccinellidae | pine lady beetle        | predator                             | D      |
| <b>Musca</b><br><i>domestica</i> L.  | Diptera     | Muscidae      | house fly               | household                            | G      |
| <b>Mycodiplosis</b><br><i>cerasifolia</i> (Felt)                             | Diptera     | Cecidomyiidae | chokecherry leaf midge  | chokecherry                          | C      |
| <b>Myzia</b> (= <b>Neomysia</b> )<br><i>pullata</i> (Say)                    | Coleoptera  | Coccinellidae | lady beetle             | predator                             | D      |
| <i>subvittata</i> (Muls.)  | Coleoptera  | Coccinellidae | lady beetle             | predator                             | D      |
| <b>Myzus</b><br><i>cerasi</i> (F.)   | Homoptera   | Aphididae     | black cherry aphid      | cherry                               | C      |
| <b>Nacophora</b><br><i>quernaria</i> (J.E. Smith)                            | Lepidoptera | Geometridae   | oak beauty              | deciduous                            | C      |
| <b>Nadata</b><br><i>gibbosa</i> (J.E. Smith)                                 | Lepidoptera | Notodontidae  | yellowlined caterpillar | deciduous                            | C      |
| <b>Napomyza</b> see <b>Hexomyza</b> and <b>Melanagromyza</b>                 |             |               |                         |                                      |        |
| <b>Neacanthocinus</b><br><i>obsoletus</i> (Oliv.)                            | Coleoptera  | Cerambycidae  | longhorned wood borer   | coniferous                           | C      |
| <i>pusillus</i> (Kby.)   | Coleoptera  | Cerambycidae  | longhorned pine borer   | pine                                 | C      |
| <b>Nealgedonia</b> (see also <b>Phlyctaenia</b> )<br><i>extricalis</i> (Gn.) | Lepidoptera | Pyrilidae     | alder leaf-tier         | alder                                | C      |
| <b>Nematocampa</b><br><i>limbata</i> (Haw.)                                  | Lepidoptera | Geometridae   | filament bearer         | general feeder                       | C      |

| Scientific name  | Order       | Family         | Common name                                       | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|---|--------------------------------------|--------|
| <b>Nematus</b> (see also <b>Pontania</b> )                                   |             |                |   |                                      |        |
| <b>erythrogaster</b> Nort.   | Hymenoptera | Tenthredinidae | alder sawfly                                      | alder                                | C      |
| <b>fulvicrus</b> Prov.   | Hymenoptera | Tenthredinidae | willow sawfly                                     | willow                               | C      |
| <b>hudsoniimagnus</b> Dyar   | Hymenoptera | Tenthredinidae | poplar sawfly                                     | poplar                               | C      |
| <b>latifasciatus</b> Cress.  | Hymenoptera | Tenthredinidae | willow sawfly                                     | willow, birch                        | C      |
| <b>limbatus</b> Cress.   | Hymenoptera | Tenthredinidae | willow sawfly                                     | willow, poplar                       | C      |
| <b>oligospilus</b> Först.<br>(= <b>mendicus</b> Walsh)                       | Hymenoptera | Tenthredinidae | willow-and-poplar sawfly                          | willow, poplar                       | C      |
| <b>pinguidorsum</b> Dyar   | Hymenoptera | Tenthredinidae | birch sawfly                                      | birch                                | C      |
| <b>ribesii</b> (Scop.)   | Hymenoptera | Tenthredinidae | imported currantworm                              | currant, gooseberry                  | C      |
| <b>salicisodoratus</b> Dyar  | Hymenoptera | Tenthredinidae | willow sawfly                                     | willow, poplar                       | C      |
| <b>umbratus</b> Thoms.   | Hymenoptera | Tenthredinidae | alder sawfly                                      | alder, birch                         | C      |
| <b>ventralis</b> Say   | Hymenoptera | Tenthredinidae | willow sawfly                                     | willow                               | C      |
| <b>Nemoria</b>   |             |                |   |                                      |        |
| <b>mimosaria</b> (Gn.)   | Lepidoptera | Geometridae    | flanged looper                                    | general feeder                       | C      |
| <b>rubrifrontaria</b> (Pack.)  | Lepidoptera | Geometridae    | redfronted emerald                                | alder                                | C      |
| <b>Neoclytus</b>   |             |                |   |                                      |        |
| <b>a. acuminatus</b> (F.)  | Coleoptera  | Cerambycidae   | redheaded ash borer                               | ash                                  | C      |
| <b>Neodiprion</b>  |             |                |   |                                      |        |
| <b>abbottii</b> (Leach)  | Hymenoptera | Diprionidae    | pine sawfly                                       | jack and red pine                    | C      |
| <b>abietis</b> (Harr.)   | Hymenoptera | Diprionidae    | balsam fir sawfly                                 | balsam fir                           | A      |
| <b>compar</b> (Leach)  | Hymenoptera | Diprionidae    | pine sawfly                                       | jack pine, red pine                  | C      |
| <b>lecontei</b> (Fitch)  | Hymenoptera | Diprionidae    | redheaded pine sawfly                             | pine                                 | A      |
| <b>maurus</b> Roh.   | Hymenoptera | Diprionidae    | pine sawfly                                       | jack pine                            | C      |
| <b>n. nanulus</b> Schedl   | Hymenoptera | Diprionidae    | red pine sawfly                                   | red and jack pine                    | B      |
| <b>nigroscutum</b> Midd.   | Hymenoptera | Diprionidae    | pine sawfly                                       | jack pine                            | C      |
| <b>pinetum</b> (Nort.)   | Hymenoptera | Diprionidae    | white pine sawfly                                 | white pine                           | C      |
| <b>pratti banksianae</b> Roh.  | Hymenoptera | Diprionidae    | jack pine sawfly,<br>blackheaded jack pine sawfly | jack pine                            | A      |
| <b>pratti paradoxicus</b> Ross   | Hymenoptera | Diprionidae    | jack pine sawfly                                  | jack pine                            | A      |
| <b>sertifer</b> (Geoff.)   | Hymenoptera | Diprionidae    | European pine sawfly                              | jack pine                            | A      |
| <b>swainei</b> Midd.   | Hymenoptera | Diprionidae    | Swaine jack pine sawfly                           | jack pine                            | A      |
| <b>virginiana</b> complex  | Hymenoptera | Diprionidae    | redheaded jack pine sawfly                        | jack pine                            | A      |
| <b>Neomysia</b> see <b>Myzia</b>   |             |                |   |                                      |        |
| <b>Neosymydobius</b> see <b>Symydobius</b>                                   |             |                |   |                                      |        |
| <b>Neotelphusa</b> , (see also <b>Pseudotelphusa</b> and <b>Telphusa</b> )   |             |                |   |                                      |        |
| <b>querciella</b> (Cham.)  | Lepidoptera | Gelechiidae    | oak leafroller                                    | white oak                            | C      |
| <b>Nephelodes</b>  |             |                |   |                                      |        |
| <b>minians</b> Gn.<br>(= <b>emmedonia</b> auth.)                             | Lepidoptera | Noctuidae      | bronzed cutworm                                   | unknown                              | C      |
| <b>Nephopterix</b>   |             |                |   |                                      |        |
| <b>basilaris</b> Zell.   | Lepidoptera | Pyrilidae      | micro moth  | willow, poplar                       | C      |
| <b>carneella</b> Hlst.   | Lepidoptera | Pyrilidae      | micro moth  | willow                               | C      |
| <b>subcaesiella</b> (Clem.)  | Lepidoptera | Pyrilidae      | locust leafroller                                 | locust                               | C      |
| <b>subfuscella</b> (Rag.)  | Lepidoptera | Pyrilidae      | striped sumac leafroller                          | sumac                                | C      |
| <b>vetustella</b> (Dyar)   | Lepidoptera | Pyrilidae      | basswood micro moth                               | basswood                             | C      |
| <b>virgatella</b> (Clem.)  | Lepidoptera | Pyrilidae      | locust micro moth                                 | locust                               | C      |
| <b>Nepticula</b> see <b>Ectoedemia</b> , <b>Obrussa</b> and <b>Stigmella</b> |             |                |   |                                      |        |
| <b>Nepytia</b>   |             |                |   |                                      |        |
| <b>canosaria</b> (Wlk.)  | Lepidoptera | Geometridae    | false hemlock looper                              | coniferous                           | C      |

| Scientific name  | Order       | Family        | Common name                                       | Main host plant(s)<br>or insect type | Rating |
|--|-------------|---------------|---|--------------------------------------|--------|
| <b>Nerice</b>  |             |               |   |                                      |        |
| <i>bidentata</i> Wlk.  | Lepidoptera | Notodontidae  | prominent moth                                    | elm                                  | C      |
| <b>Neuroterus</b>  |             |               |   |                                      |        |
| <i>exiguissimus</i> Bass.  | Hymenoptera | Cynipidae     | oak gall wasp                                     | oak                                  | C      |
| <i>quercusbatatus</i> (Fitch)  | Hymenoptera | Cynipidae     | oak potato gall wasp                              | white oak                            | C      |
| <i>saltarius</i> Weld.   | Hymenoptera | Cynipidae     | oak gall wasp                                     | oak                                  | C      |
| <i>umbilicatus</i> Bass.   | Hymenoptera | Cynipidae     | oak gall wasp                                     | oak                                  | C      |
| <i>vernus</i> Gill.  | Hymenoptera | Cynipidae     | oak gall wasp                                     | oak                                  | C      |
| <b>Neurotoma</b>   |             |               |   |                                      |        |
| <i>fasciata</i> (Nort.)  | Hymenoptera | Pamphiliidae  | cherry webspinning sawfly                         | cherry                               | C      |
| <i>inconspicua</i> (Nort.)   | Hymenoptera | Pamphiliidae  | plum webspinning sawfly                           | cherry                               | C      |
| <b>Nites</b> (= <i>Depressaria</i> in part)                                  |             |               |   |                                      |        |
| <i>betulella</i> (Bsk.)  | Lepidoptera | Oecophoridae  | blackdotted birch leaftier                        | birch                                | C      |
| <i>grothella</i> (Rob.)  | Lepidoptera | Oecophoridae  | hazel leaftier                                    | hazel                                | C      |
| <i>ostryella</i> (McD.)  | Lepidoptera | Oecophoridae  | ironwood leaftier                                 | ironwood                             | C      |
| <b>Nomius</b>  |             |               |   |                                      |        |
| <i>pygmaeus</i> (Dej.)   | Coleoptera  | Carabidae     | stink beetle                                      | predator                             | D      |
| <b>Notodonta</b> (= <i>Lophodonta</i> ) (see also <i>Peridea</i> )           |             |               |   |                                      |        |
| <i>scitipennis</i> Wlk.  | Lepidoptera | Notodontidae  | humped caterpillar                                | poplar, willow                       | C      |
| <i>simplicaria</i> Graef   | Lepidoptera | Notodontidae  | humped caterpillar                                | poplar, willow                       | C      |
| <b>Nycteola</b>  |             |               |   |                                      |        |
| <i>cinereana</i> N. & D.   | Lepidoptera | Noctuidae     | poplar leaftier                                   | poplar                               | C      |
| <i>frigidana</i> (Wlk.)  | Lepidoptera | Noctuidae     | willow leaftier                                   | willow                               | C      |
| <b>Nyctobia</b> see <i>Cladara</i>   |             |               |   |                                      |        |
| <b>Nygmia</b> see <i>Euproctis</i>   |             |               |   |                                      |        |
| <b>Nymphalis</b> (see also <i>Aglais</i> )                                   |             |               |   |                                      |        |
| <i>antiopa</i> (L.)  | Lepidoptera | Nymphalidae   | mourningcloak butterfly,<br>spiny elm caterpillar | deciduous                            | C      |
| <i>milberti</i> (Godt.)  | Lepidoptera | Nymphalidae   | Milbert's tortoiseshell                           | nettles                              | F      |
| <i>vau-album</i><br><i>j-album</i> (Bdv. & LeC.)                             | Lepidoptera | Nymphalidae   | Compton tortoise-shell                            | deciduous                            | C      |
| <b>Oberea</b>  |             |               |   |                                      |        |
| <i>schaumii</i> LeC.   | Coleoptera  | Cerambycidae  | poplar branch borer                               | poplar                               | C      |
| <i>tripunctata</i> (Swed.)   | Coleoptera  | Cerambycidae  | dogwood twig borer                                | dogwood                              | C      |
| <b>Obolodiplosis</b>   |             |               |   |                                      |        |
| <i>robiniae</i> (Hald.)  | Diptera     | Cecidomyiidae | locust gall midge                                 | locust                               | C      |
| <b>Obrussa</b> see <i>Ectoedemia</i> , <i>Nepticula</i> and <i>Stigmella</i> |             |               |   |                                      |        |
| <b>Ochropleura</b>   |             |               |   |                                      |        |
| <i>pecta</i> (L.)  | Lepidoptera | Noctuidae     | flameshouldered dart                              | clover                               | C      |
| <b>Ocnerostoma</b>   |             |               |   |                                      |        |
| <i>strobivorum</i> Free.   | Lepidoptera | Yponomeutidae | white pine needleminer                            | white pine                           | C      |
| <b>Odontopus</b>   |             |               |   |                                      |        |
| <i>calceatus</i> (Say)   | Coleoptera  | Curculionidae | tuliptree leafminer                               | tulip tree                           | C      |

| Scientific name   | Order       | Family                           | Common name             | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|-------------------------|--------------------------------------|--------|
| <b><i>Odontesia elegans</i></b> (Stkr.)                           | Lepidoptera | Notodontidae                     | aspen caterpillar       | aspen                                | C      |
| <b><i>Odontota</i></b> (= <i>Chalepus dorsalis</i> ) (Thunb.)     | Coleoptera  | Chrysomelidae                    | locust leafminer        | locust, deciduous                    | B      |
| <b><i>Oidaematophorus</i></b> spp.                                | Lepidoptera | Pterophoridae                    | plume moth              | ground plants                        | C      |
| <b><i>Okanagana canadensis</i></b> (Prov.)                        | Homoptera   | Cicadidae                        | cicada                  | larva in soil                        | C      |
| <b><i>rimosa</i></b> (Say)  | Homoptera   | Cicadidae                        | cicada                  | larva in soil                        | C      |
| <b><i>Olethreutes</i></b> (= <i>Exartema appendicea</i> ) (Zell.) | Lepidoptera | Tortricidae<br>(= Olethreutinae) | leafroller              | deciduous                            | C      |
| <b><i>atrodentana</i></b> (Fern.)                                 | Lepidoptera | Tortricidae                      | oak leafroller          | oak                                  | C      |
| <b><i>bipartitana</i></b> (Clem.)                                 | Lepidoptera | Tortricidae                      | micro moth              | hazel                                | C      |
| <b><i>cespitana</i></b> (Hbn.)                                    | Lepidoptera | Tortricidae                      | micro moth              | aspen                                | C      |
| <b><i>clavana</i></b> (Wlk.)                                      | Lepidoptera | Tortricidae                      | leafroller              | elm                                  | C      |
| <b><i>connectus</i></b> (McD.)                                    | Lepidoptera | Tortricidae                      | dogwood leafroller      | dogwood                              | C      |
| <b><i>corylana</i></b> (Fern.)                                    | Lepidoptera | Tortricidae                      | leafroller              | hazel                                | C      |
| <b><i>costimaculana</i></b> (Fern.)                               | Lepidoptera | Tortricidae                      | Labrador-tea micro moth | Labrador tea                         | C      |
| <b><i>fasciatana</i></b> (Clem.)                                  | Lepidoptera | Tortricidae                      | leafroller              | poplar, willow                       | C      |
| <b><i>glaciana</i></b> (Mösch.)                                   | Lepidoptera | Tortricidae                      | micro moth              | deciduous                            | C      |
| <b><i>inornatana</i></b> (Clem.)                                  | Lepidoptera | Tortricidae                      | cherry leafroller       | cherry                               | C      |
| <b><i>merrickana</i></b> (Kft.)                                   | Lepidoptera | Tortricidae                      | ironwood leafroller     | ironwood, hickory                    | C      |
| <b><i>nigrana</i></b> (Heinr.)                                    | Lepidoptera | Tortricidae                      | basswood leafroller     | basswood, maple                      | C      |
| <b><i>permundana</i></b> (Clem.)                                  | Lepidoptera | Tortricidae                      | raspberry leafroller    | raspberry                            | C      |
| <b><i>punctana</i></b> (Wlsm.)                                    | Lepidoptera | Tortricidae                      | dogwood leafroller      | dogwood                              | C      |
| <b><i>quadrifidus</i></b> (Zell.)                                 | Lepidoptera | Tortricidae                      | leafroller              | chokecherry                          | C      |
| <b><i>tiliana</i></b> (Heinr.)                                    | Lepidoptera | Tortricidae                      | basswood leafroller     | basswood                             | C      |
| <b><i>zelleriana</i></b> (Fern.)                                  | Lepidoptera | Tortricidae                      | viburnum leafroller     | wire birch                           | C      |
| <b><i>Oligia illocata</i></b> (Wlk.)                              | Lepidoptera | Noctuidae                        | owlet moth              | deciduous                            | C      |
| <b><i>Oligocentria lignicolor</i></b> (Wlk.)                      | Lepidoptera | Notodontidae                     | lacecapped caterpillar  | deciduous                            | C      |
| <b><i>Oligonychus milleri</i></b> (McG.)                          | Acari       | Tetranychidae                    | pine spider mite        | pine                                 | C      |
| <b><i>ununguis</i></b> (Jac.)                                     | Acari       | Tetranychidae                    | spruce spider mite      | spruce, cedar                        | B      |
| <b><i>Oligotrophus</i></b> spp.                                   | Diptera     | Cecidomyiidae                    | gall or tip midge       | juniper and others                   | C      |
| <b><i>Oneida lunulalis</i></b> (Hlst.)                            | Lepidoptera | Pyalidae                         | micro moth              | oak                                  | C      |
| <b><i>Operophtera bruceata</i></b> (Hlst.)                        | Lepidoptera | Geometridae                      | Bruce spanworm          | sugar maple, aspen                   | B      |
| <b><i>brumata</i></b> (L.)  | Lepidoptera | Geometridae                      | winter moth             | deciduous                            | E      |
| <b><i>Ophiderma pubescens</i></b> (Emm.)                          | Homoptera   | Membracidae                      | treehopper              | deciduous                            | C      |
| <b><i>Oreana unicolorella</i></b> (Hlst.)                         | Lepidoptera | Pyalidae                         | micro moth              | deciduous                            | C      |



| Scientific name   | Order       | Family        | Common name                          | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|--------------------------------------|--------------------------------------|--------|
| <b>Orgilus</b><br><i>obscurator</i> (Nees)  | Hymenoptera | Braconidae    | parasite<br>European pine shoot moth | parasite of                          | D      |
| <b>Orgyia</b><br><i>antiqua nova</i> Fitch  | Lepidoptera | Lymantriidae  | rusty tussock moth                   | general feeder                       | C      |
| <i>leucostigma intermedia</i> Fitch   | Lepidoptera | Lymantriidae  | whitemarked tussock moth             | general feeder                       | C      |
| <b>Orsodacne</b><br><i>atra</i> (Ahr.)  | Coleoptera  | Chrysomelidae | leaf beetle                          | willow catkins                       | C      |
| <b>Orthodes</b><br><i>cynica</i> Gn.  | Lepidoptera | Noctuidae     | cutworm                              | unknown                              | C      |
| <b>Ortholepis</b><br><i>pasadamia</i> (Dyar)  | Lepidoptera | Pyalidae      | striped birch pyralid                | birch                                | C      |
| <b>Orthosia</b><br><i>hibisci</i> (Gn.)   | Lepidoptera | Noctuidae     | speckled green fruitworm             | deciduous                            | C      |
| <i>revicta</i> (Morr.)  | Lepidoptera | Noctuidae     | rusty whitesided caterpillar         | deciduous                            | C      |
| <i>rubescens</i> (Wlk.)   | Lepidoptera | Noctuidae     | owlet moth                           | deciduous                            | C      |
| <b>Orthosoma</b><br><i>brunneum</i> (Forst.)  | Coleoptera  | Cerambycidae  | brown prionid                        | dead wood                            | C      |
| <b>Orthotaenia (= Badebecia)</b><br><i>undulana</i> (D. & S.)<br>[= <i>urticana</i> (Hübner)] | Lepidoptera | Tortricidae   | dusky leafroller                     | deciduous                            | C      |
| <b>Orthotomicus</b><br><i>caelatus</i> (Eich.)  | Coleoptera  | Scolytidae    | bark beetle                          | coniferous                           | C      |
| <b>Osmoderma</b><br><i>eremicola</i> (Knoch)  | Coleoptera  | Scarabaeidae  | scarab beetle                        | fruit trees                          | C      |
| <i>scabra</i> (Beauv.)  | Coleoptera  | Scarabaeidae  | scarab beetle                        | fruit trees                          | C      |
| <b>Otiorhynchus (= Brachyrhinus)</b><br><i>ovatus</i> (L.)                                    | Coleoptera  | Curculionidae | strawberry rootweevil                | coniferous roots                     | A      |
| <i>sulcatus</i> (F.)  | Coleoptera  | Curculionidae | black vine weevil                    | general feeder                       | C      |
| <b>Oxypteris (= Melanophila)</b><br><i>acuminata</i> (DeG.)                                   | Coleoptera  | Buprestidae   | black fire beetle                    | coniferous                           | C      |
| <b>Pachypappa (= Asiphum in part)</b><br><i>rosettei</i> (Max.)                               | Homoptera   | Aphididae     | aspen aphid                          | poplar                               | C      |
| <i>tremulae</i> (L.)  | Homoptera   | Aphididae     | aspen aphid                          | aspen                                | C      |
| <b>Pachyphylla</b><br><i>celtidismamma</i> (Fletcher)<br>(= <i>celtidis-globulus</i> Riley)   | Homoptera   | Psyllidae     | hackberry nipplegall maker           | hackberry                            | C      |
| <b>Pachyrhinus (= Scythropus)</b><br><i>elegans</i> (Couper)                                  | Coleoptera  | Curculionidae | elegant pine weevil                  | pine                                 | C      |
| <b>Pachysphinx</b><br><i>modesta</i> (Harr.)  | Lepidoptera | Sphingidae    | big poplar sphinx                    | deciduous                            | C      |
| <b>Packardia</b><br><i>ceanothi</i> Dyar  | Lepidoptera | Limacodidae   | slug caterpillar                     | white birch                          | C      |
| <i>elegans</i> (Pack.)  | Lepidoptera | Limacodidae   | slug caterpillar                     | chestnut, beech                      | C      |

| Scientific name   | Order       | Family        | Common name                                   | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|---|--------------------------------------|--------|
| <b><i>Paleacrita</i></b><br><b><i>vernata</i></b> (Peck)  | Lepidoptera | Geometridae   | spring cankerworm                             | elm, sugar maple                     | C      |
| <b><i>Palpita</i></b><br><b><i>magniferalis</i></b> (Wlk.)  | Lepidoptera | Pyrilidae     | ash leafroller                                | ash                                  | C      |
| <b><i>Palthis</i></b><br><b><i>angulalis</i></b> (Hbn.)   | Lepidoptera | Noctuidae     | spruce harlequin                              | spruce                               | C      |
| <b><i>Pamphilius</i></b><br><b><i>ochreipes</i></b> (Cress.)  | Hymenoptera | Pamphiliidae  | viburnum webspinning sawfly                   | cranberry                            | C      |
| <b><i>Pandemis</i></b><br><b><i>canadana</i></b> Kft.   | Lepidoptera | Tortricidae   | green aspen leaf-tier                         | deciduous                            | C      |
| <b><i>lamprosana</i></b> (Rob.)   | Lepidoptera | Tortricidae   | leafroller                                    | deciduous                            | C      |
| <b><i>limitata</i></b> (Rob.)   | Lepidoptera | Tortricidae   | threelined leafroller                         | deciduous                            | C      |
| <b><i>Panopoda</i></b><br><b><i>carneicosta</i></b> Gn.   | Lepidoptera | Noctuidae     | owlet moth                                    | deciduous                            | C      |
| <b><i>rufimargo</i></b> (Hbn.)  | Lepidoptera | Noctuidae     | owlet moth                                    | oak, beech                           | C      |
| <b><i>Panthea</i></b><br><b><i>acronyctoides</i></b> (Wlk.)   | Lepidoptera | Noctuidae     | tufted spruce caterpillar                     | coniferous                           | C      |
| <b><i>furcilla</i></b> (Pack.)  | Lepidoptera | Noctuidae     | tufted white pine caterpillar                 | coniferous                           | C      |
| <b><i>pallescens centralis</i></b> McD.   | Lepidoptera | Noctuidae     | tufted pine caterpillar                       | coniferous                           | C      |
| <b><i>Pantographa</i></b><br><b><i>limata</i></b> (G. & R.)   | Lepidoptera | Crambidae     | basswood leafroller                           | basswood, elm                        | C      |
| <b><i>Paonias</i></b><br><b><i>excaecatus</i></b> (J.E. Smith)  | Lepidoptera | Sphingidae    | blinneyed sphinx                              | deciduous                            | C      |
| <b><i>myops</i></b> (J.E. Smith)  | Lepidoptera | Sphingidae    | smalleyed sphinx                              | serviceberry                         | C      |
| <b><i>Papaipema</i></b><br><b><i>cataphracta</i></b> (Grt.)   | Lepidoptera | Noctuidae     | burdock borer                                 | burdock                              | F      |
| <b><i>unimoda</i></b> (Sm.)   | Lepidoptera | Noctuidae     | borer   | meadow-rue, cone-flower              | C      |
| <b><i>Papestra</i></b> (see also <b><i>Lacanobia</i></b> , <b><i>Melanchra</i></b> and <b><i>Polia</i></b> )<br><b><i>crisifera</i></b> (Wlk.)  | Lepidoptera | Noctuidae     | cutworm                                       | general feeder                       | C      |
| <b><i>quadrata ingravis</i></b> (Sm.)   | Lepidoptera | Noctuidae     | cutworm                                       | deciduous                            | C      |
| <b><i>Papilio</i></b> (see also <b><i>Battus</i></b> , <b><i>Heraclides</i></b> and <b><i>Pterourus</i></b> )<br><b><i>crephontes</i></b> Cram. | Lepidoptera | Papilionidae  | orangedog                                     | deciduous                            | C      |
| <b><i>g. glaucus</i></b> L.   | Lepidoptera | Papilionidae  | tiger swallowtail                             | deciduous                            | C      |
| <b><i>glaucus canadensis</i></b> R. & J.  | Lepidoptera | Papilionidae  | Canadian tiger swallowtail                    | deciduous                            | C      |
| <b><i>polyxenes asterius</i></b> Stoll  | Lepidoptera | Papilionidae  | black swallowtail, celeryworm,<br>parsleyworm | parsley, etc.                        | G      |
| <b><i>troilus</i></b> L.  | Lepidoptera | Papilionidae  | spicebush swallowtail                         | shrubs                               | C      |
| <b><i>Paraclemensia</i></b><br><b><i>acerifoliella</i></b> (Fitch)  | Lepidoptera | Incurvariidae | maple leafcutter                              | maple                                | B      |
| <b><i>Paradiplosis</i></b><br><b><i>tumifex</i></b> Gagné   | Diptera     | Cecidomyiidae | balsam gall midge                             | balsam fir                           | B      |
| <b><i>Paraleucoptera</i></b> (= <b><i>Leucoptera</i></b> )<br><b><i>albella</i></b> (Cham.)   | Lepidoptera | Lyonetiidae   | cottonwood leafminer                          | poplar                               | C      |
| <b><i>Parallelia</i></b><br><b><i>bistriaris</i></b> Hbn.   | Lepidoptera | Noctuidae     | maple caterpillar                             | maple, birch                         | C      |

| Scientific name  | Order       | Family              | Common name                   | Main host plant(s)<br>or insect type | Rating |
|--|-------------|---------------------|-------------------------------|--------------------------------------|--------|
| <b><i>Paralobesia</i> see <i>Endopiza</i></b>                                    |             |                     |                               |                                      |        |
| <b><i>Paraphytomyza</i> (= <i>Phytagromyza</i>)<br/><i>populicola</i> (Wlk.)</b> | Diptera     | Agromyzidae         | Lombardy leafminer            | poplar                               | C      |
| <b><i>Paraprociophilus</i> see <i>Prociophilus</i></b>                           |             |                     |                               |                                      |        |
| <b><i>Parasemia</i> see <i>Platarctia</i></b>                                    |             |                     |                               |                                      |        |
| <b><i>Parastichtis</i><br/><i>discivaria</i> (Wlk.)</b>                          | Lepidoptera | Noctuidae           | owlet moth                    | poplar                               | C      |
| <b><i>Parcoblatta</i><br/><i>pennsylvanica</i> (DeG.)</b>                        | Blattodea   | Blattellidae        | Pennsylvania wood cockroach   | vegetable matter                     | F      |
| <b><i>Parectopa</i><br/><i>robiniella</i> Clem.</b>                              | Lepidoptera | Gracillariidae      | locust digitate leafminer     | locust                               | C      |
| <b><i>Pareophora</i> see <i>Eupareophora</i></b>                                 |             |                     |                               |                                      |        |
| <b><i>Parorgyia</i> see <i>Dasychira</i></b>                                     |             |                     |                               |                                      |        |
| <b><i>Parornix</i><br/><i>conspicuellae</i> (Dietz)</b>                          | Lepidoptera | Gracillariidae      | birch micro moth              | birch                                | C      |
| <b><i>Parthenolecanium</i> (= <i>Lecanium</i>)</b>                               |             |                     |                               |                                      |        |
| <b><i>corni</i> (Bouché)</b>   | Homoptera   | Coccidae            | European fruit lecanium       | fruit trees                          | B      |
| <b><i>fletcheri</i> (Ckll.)</b>  | Homoptera   | Coccidae            | Fletcher scale                | cedar, juniper, yew                  | B      |
| <b><i>quercifex</i> (Fitch)</b>  | Homoptera   | Coccidae            | oak lecanium                  | oak                                  | C      |
| <b><i>Patelloa</i><br/><i>pachypyga</i> (A. &amp; W.)</b>                        | Diptera     | Tachinidae          | parasite                      | parasite                             | D      |
| <b><i>Pemphigus</i></b>  |             |                     |                               |                                      |        |
| <b><i>populicaulis</i> Fitch</b>   | Homoptera   | Aphididae           | poplar leaf petiolegall aphid | poplar                               | C      |
| <b><i>populiglobuli</i> Fitch</b>  | Homoptera   | Aphididae           | poplar bulletgall aphid       | balsam poplar                        | C      |
| <b><i>populitransversus</i> Riley</b>  | Homoptera   | Aphididae           | poplar petiolegall aphid      | poplar                               | C      |
| <b><i>Pennisetia</i><br/><i>marginata</i> (Harr.)</b>                            | Lepidoptera | Sesiidae            | raspberry crown borer         | raspberry                            | C      |
| <b><i>Pentamerismus</i></b>  |             |                     |                               |                                      |        |
| <b><i>canadensis</i> McG.</b>  | Acari       | Tenuipalpidae       | false spider mite             | cedar                                | C      |
| <b><i>erythreus</i> (Ewing)</b>  | Acari       | Tenuipalpidae       | false spider mite             | cedar, juniper                       | C      |
| <b><i>Periclista</i></b>   |             |                     |                               |                                      |        |
| <b><i>albicollis</i> (Nort.)</b>   | Hymenoptera | Tenthredinidae      | oak sawfly                    | oak                                  | C      |
| <b><i>diluta</i> (Cress.)</b>  | Hymenoptera | Tenthredinidae      | oak sawfly                    | oak                                  | C      |
| <b><i>media</i> (Nort.)</b>  | Hymenoptera | Tenthredinidae      | oak sawfly                    | oak                                  | C      |
| <b><i>Peridea</i> (= <i>Lophodonta</i>) (see also <i>Notodonta</i>)</b>          |             |                     |                               |                                      |        |
| <b><i>angulosa</i> (J.E. Smith)</b>  | Lepidoptera | Notodontidae        | oak caterpillar               | oak                                  | C      |
| <b><i>basitriens</i> (Wlk.)</b>  | Lepidoptera | Notodontidae        | redmarked caterpillar         | elm                                  | C      |
| <b><i>ferruginea</i> (Pack.)</b>   | Lepidoptera | Notodontidae        | birch caterpillar             | birch                                | C      |
| <b><i>Peridroma</i></b>  |             |                     |                               |                                      |        |
| <b><i>saucia</i> (Hbn.)</b>  | Lepidoptera | Noctuidae<br>plants | variegated cutworm            | nursery, field and garden            | C      |
| <b><i>Perilampus</i></b>   |             |                     |                               |                                      |        |
| <b><i>hyalinus</i> Say</b>   | Hymenoptera | Perilampidae        | parasite                      | parasite                             | D      |

| Scientific name                                  | Order       | Family                           | Common name                | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|----------------------------|--------------------------------------|--------|
| <b>Periphyllus</b>                               |             |                                  |                            |                                      |        |
| <i>lyropictus</i> (Kess.)                        | Homoptera   | Aphididae                        | Norway maple aphid         | Norway maple                         | B      |
| <i>negundinis</i> (Thos.)                        | Homoptera   | Aphididae                        | boxelder aphid             | Manitoba maple                       | C      |
| <b>Pero</b>                                      |             |                                  |                            |                                      |        |
| <i>honestaria</i> (Wlk.)                         | Lepidoptera | Geometridae                      | looper                     | general feeder                       | C      |
| <i>hubneraria</i> (Gn.)                          | Lepidoptera | Geometridae                      | looper                     | deciduous                            | C      |
| <i>morrisonaria</i> (Hy. Edw.)                   | Lepidoptera | Geometridae                      | looper                     | general feeder                       | C      |
| <b>Petrophora</b>                                |             |                                  |                            |                                      |        |
| <i>subaequaria</i> (Wlk.)                        | Lepidoptera | Geometridae                      | leaping looper             | chokecherry                          | C      |
| <b>Petrova (= Retinia)</b>                       |             |                                  |                            |                                      |        |
| <i>albicapitana</i> (Bsk.)                       | Lepidoptera | Tortricidae<br>(= Olethreutinae) | northern pitch twig moth   | jack pine                            | C      |
| <i>comstockiana</i> (Fern.)                      | Lepidoptera | Tortricidae                      | pitch twig moth            | pitch pine                           | C      |
| <i>gemistrigulana</i> (Kft.)                     | Lepidoptera | Tortricidae                      | pine bark moth             | pine                                 | C      |
| <i>wenzeli</i> (Kft.)                            | Lepidoptera | Tortricidae                      | pitch nodule moth          | pine                                 | C      |
| <b>Phalonia (see also Aethes) (= Hysterosia)</b> |             |                                  |                            |                                      |        |
| <i>albidana</i> Wlk.                             | Lepidoptera | Cochylidae                       | micro moth                 | deciduous                            | C      |
| <i>straminoides</i> Grt.                         | Lepidoptera | Cochylidae                       | basswood seed moth         | basswood                             | C      |
| <b>Phenacaspis see Chionaspis</b>                |             |                                  |                            |                                      |        |
| <b>Pheosia</b>                                   |             |                                  |                            |                                      |        |
| <i>rimosa</i> Pack.                              | Lepidoptera | Notodontidae                     | false hornworm             | poplar, willow                       | C      |
| <b>Phigalia</b>                                  |             |                                  |                            |                                      |        |
| <i>strigataria</i> (Minot)                       | Lepidoptera | Geometridae                      | looper                     | elm                                  | C      |
| <i>titea</i> (Cram.)                             | Lepidoptera | Geometridae                      | spiny looper               | deciduous                            | C      |
| <b>Phlegethontius see Manduca</b>                |             |                                  |                            |                                      |        |
| <b>Phloeosinus</b>                               |             |                                  |                            |                                      |        |
| <i>canadensis</i> Swaine                         | Coleoptera  | Scolytidae                       | northern cedar bark beetle | cedar                                | C      |
| <b>Phloeotribus</b>                              |             |                                  |                            |                                      |        |
| <i>liminaris</i> (Harr.)                         | Coleoptera  | Scolytidae                       | peach bark beetle          | cherry                               | C      |
| <i>piceae</i> Swaine                             | Coleoptera  | Scolytidae                       | spruce bark beetle         | spruce                               | C      |
| <b>Phlogophora</b>                               |             |                                  |                            |                                      |        |
| <i>iris</i> Gn.                                  | Lepidoptera | Noctuidae                        | cutworm                    | unknown                              | C      |
| <i>periculosa</i> Gn.                            | Lepidoptera | Noctuidae                        | cutworm                    | general feeder                       | C      |
| <b>Phlyctaenia (see also Nealgedonia)</b>        |             |                                  |                            |                                      |        |
| <i>coronata tertialis</i> (Gn.)                  | Lepidoptera | Pyrilidae                        | elderberry leaf-tier       | elderberry                           | C      |
| <b>Phobetron</b>                                 |             |                                  |                            |                                      |        |
| <i>pithecium</i> (J.E. Smith)                    | Lepidoptera | Limacodidae                      | hagmoth                    | sugar maple                          | C      |
| <b>Phoesia</b>                                   |             |                                  |                            |                                      |        |
| <i>rimosa</i> Pack.                              | Lepidoptera | Notodontidae                     | false hornworm             | poplar, willow                       | C      |
| <b>Pholisora</b>                                 |             |                                  |                            |                                      |        |
| <i>catullus</i> (F.)                             | Lepidoptera | Hesperiidae                      | common sooty wing          | ground plants                        | F      |
| <b>Pholus see Eumorpha</b>                       |             |                                  |                            |                                      |        |

| Scientific name   | Order       | Family         | Common name                    | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|--------------------------------|--------------------------------------|--------|
| <b><i>Phragmatobia</i></b><br><i>assimilans</i> Wlk.  | Lepidoptera | Arctiidae      | dusky red tiger moth           | deciduous                            | C      |
| <b><i>Phratora</i></b><br><i>americana canadensis</i> Brown   | Coleoptera  | Chrysomelidae  | American willow leaf beetle    | willow                               | C      |
| <i>frosti remissa</i> Brown   | Coleoptera  | Chrysomelidae  | leaf beetle                    | willow                               | C      |
| <i>hudsonia</i> Brown   | Coleoptera  | Chrysomelidae  | birch leaf beetle              | birch                                | C      |
| <i>p. purpurea</i> Brown  | Coleoptera  | Chrysomelidae  | aspen skeletonizer             | poplar                               | C      |
| <b><i>Phyllobius</i></b><br><i>oblongus</i> (L.)  | Coleoptera  | Curculionidae  | European snout beetle          | deciduous                            | C      |
| <b><i>Phyllocnistis</i></b><br><i>populiella</i> Cham.  | Lepidoptera | Lyonetiidae    | aspen serpentine leafminer     | poplar                               | C      |
| <i>vitifoliella</i> Cham.   | Lepidoptera | Lyonetiidae    | grape serpentine leafminer     | grapevine                            | C      |
| <b><i>Phyllocolpa</i></b><br><i>agama</i> (Roh.)  | Hymenoptera | Tenthredinidae | willow leaffolding sawfly      | willow                               | C      |
| <i>bozemani</i> (Cooley)  | Hymenoptera | Tenthredinidae | poplar leaffolding sawfly      | poplar                               | C      |
| <i>mariana</i> (Ross)   | Hymenoptera | Tenthredinidae | poplar leaffolding sawfly      | poplar                               | C      |
| <i>popuella</i> (Ross)  | Hymenoptera | Tenthredinidae | poplar edgefolding sawfly      | poplar                               | C      |
| <i>populi</i> (Marl.)   | Hymenoptera | Tenthredinidae | poplar leafgall sawfly         | poplar                               | C      |
| <b><i>Phyllocoptes</i></b><br><i>didelphis</i> Keif.  | Acari       | Eriophyidae    | poplar felt mite               | poplar                               | C      |
| <b><i>Phyllodesma</i> (= <i>Epicnaptera</i>)</b><br><i>americana</i> (Harr.)                                    | Lepidoptera | Lasiocampidae  | lappet moth                    | deciduous                            | C      |
| <b><i>Phyllonorycter</i> (= Lithocolletis)</b> (see also <b><i>Cameraria</i></b> and <b><i>Chrysaster</i></b> ) |             |                |                                |                                      |        |
| <i>alnicolella</i> (Wlsm.)  | Lepidoptera | Gracillariidae | alder leafblotch miner         | alder                                | C      |
| <i>argentifimbriella</i> (Clem.)  | Lepidoptera | Gracillariidae | oak leafblotch miner           | oak                                  | C      |
| <i>basisstrigella</i> (Clem.)   | Lepidoptera | Gracillariidae | oak leafblotch miner           |                                      | C      |
| <i>celtisella</i> (Cham.)   | Lepidoptera | Gracillariidae | hackberry leafblotch miner     | hackberry                            | C      |
| <i>kenora</i> (Free.)   | Lepidoptera | Gracillariidae | willow leafblotch miner        | willow                               | C      |
| <i>lucetiella</i> (Clem.)   | Lepidoptera | Gracillariidae | basswood squareblotch miner    | basswood                             | C      |
| <i>lucidicostella</i> (Clem.)   | Lepidoptera | Gracillariidae | lesser maple leafblotch miner  | maple                                | C      |
| <i>malimalifoliella</i> (Braun)   | Lepidoptera | Gracillariidae | apple leafblotch miner         | apple                                | C      |
| <i>nipigon</i> (Free.)  | Lepidoptera | Gracillariidae | balsam poplar leafblotch miner | balsam, poplar                       | B      |
| <i>ontario</i> (Free.)  | Lepidoptera | Gracillariidae | aspen leafblotch miner         | aspen                                | B      |
| <i>ostryaefoliella</i> (Clem.)  | Lepidoptera | Gracillariidae | ironwood leafblotch miner      | ironwood                             | C      |
| <i>propinquella</i> (Braun)   | Lepidoptera | Gracillariidae | cherry blotchminer             | cherry                               | C      |
| <i>robiniella</i> (Clem.)   | Lepidoptera | Gracillariidae | locust leafblotch miner        | locust                               | C      |
| <i>salicifoliella</i> (Cham.)   | Lepidoptera | Gracillariidae | willow leafblotch miner        | willow                               | C      |
| see also spp. <i>kenora</i> , <i>nipigon</i> , and <i>ontario</i>   |             |                |                                |                                      |        |
| <i>tiliacella</i> (Cham.)   | Lepidoptera | Gracillariidae | basswood roundblotch miner     | basswood                             | C      |
| <b><i>Phyllophaga</i></b><br><i>anxia</i> (LeC.)  | Coleoptera  | Scarabaeidae   | common June beetle             | soil insect                          | B      |
| <i>drakii</i> (Kby.)  | Coleoptera  | Scarabaeidae   | June beetle                    | soil insect                          | B      |
| <i>fusca</i> (Frö.)   | Coleoptera  | Scarabaeidae   | northern June beetle           | soil insect                          | B      |
| <i>futilis</i> (LeC.)   | Coleoptera  | Scarabaeidae   | lesser June beetle             | soil insect                          | B      |
| <i>rugosa</i> (Melsh.)  | Coleoptera  | Scarabaeidae   | rugose June beetle             | soil insect                          | B      |
| <b><i>Phylloxera</i> (= <i>Xerophylla</i>)</b><br><i>caryaecaulis</i> (Fitch)                                   | Homoptera   | Adelgidae      | hickory gall adelgid           | hickory                              | C      |
| <i>caryaeglobuli</i> (Walsh)  | Homoptera   | Adelgidae      | globular hickory gall adelgid  | hickory                              | C      |
| <i>foveola</i> Perg.  | Homoptera   | Adelgidae      | hickory buttongall adelgid     | hickory                              | C      |
| <i>vitifoliae</i> (Fitch)   | Homoptera   | Adelgidae      | grape adelgid                  | grape, hickory                       | C      |

| Scientific name  | Order       | Family         | Common name                 | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------|-----------------------------|--------------------------------------|--------|
| <b><i>Physokermes piceae</i></b> (Schr.)                               | Homoptera   | Coccidae       | spruce bud scale            | spruce                               | C      |
| <b><i>Phytomyza</i> see <i>Paraphytomyza</i></b>                       |             |                |                             |                                      |        |
| <b><i>Phytobia</i></b>   |             |                |                             |                                      |        |
| <b><i>amelanchieris</i></b> (Greene)                                   | Diptera     | Agromyzidae    | amelanchier twig borer      | amelanchier                          | C      |
| <b><i>betulivora</i></b> Spencer                                       | Diptera     | Agromyzidae    | birch cambium miner         | birch                                | C      |
| <b><i>pleuralis</i></b> (Mall.)  | Diptera     | Agromyzidae    | catalpa leafminer           | catalpa                              | C      |
| <b><i>setosa</i></b> (Loew)  | Diptera     | Agromyzidae    | red maple cambium borer     | red maple                            | C      |
| <b><i>Phytocoptella</i> see <i>Eriophyes</i> and <i>Phytoptus</i></b>  |             |                |                             |                                      |        |
| <b><i>Phytoptus</i> (see also <i>Eriophyes</i>)</b>                    |             |                |                             |                                      |        |
| <b><i>abnormis</i></b> Gar.  | Acari       | Eriophyidae    | linden gall mite            | basswood                             | C      |
| <b><i>Pieris</i> (= <i>Artogeia</i>)</b>                               |             |                |                             |                                      |        |
| <b><i>rapae</i></b> (L.)   | Lepidoptera | Pieridae       | imported cabbageworm        | cabbage                              | G      |
| <b><i>Pikonema</i></b>   |             |                |                             |                                      |        |
| <b><i>alaskensis</i></b> (Roh.)  | Hymenoptera | Tenthredinidae | yellowheaded spruce sawfly  | spruce                               | A      |
| <b><i>dimmockii</i></b> (Cress.)                                       | Hymenoptera | Tenthredinidae | greenheaded spruce sawfly   | spruce                               | C      |
| <b><i>Pineus</i></b>   |             |                |                             |                                      |        |
| <b><i>flocus</i></b> (Patch)   | Homoptera   | Adelgidae      | red spruce adelgid          | spruce                               | C      |
| <b><i>pinifoliae</i></b> (Fitch)                                       | Homoptera   | Adelgidae      | pine leaf adelgid           | spruce, pine                         | C      |
| <b><i>similis</i></b> (Gill.)  | Homoptera   | Adelgidae      | ragged spruce gall adelgid  | spruce                               | C      |
| <b><i>strobi</i></b> (Htg.)  | Homoptera   | Adelgidae      | pine bark adelgid           | pine                                 | B      |
| <b><i>Pissodes</i></b>   |             |                |                             |                                      |        |
| <b><i>affinis</i></b> Rand.  | Coleoptera  | Curculionidae  | bark weevil                 | pine, spruce                         | C      |
| <b><i>nemorensis</i></b> Germ.<br>(= <b><i>approximatus</i></b> Hopk.) | Coleoptera  | Curculionidae  | northern pine weevil        | pine                                 | B      |
| <b><i>striatulus</i></b> (F.)<br>(= <b><i>dubius</i></b> Rand.)        | Coleoptera  | Curculionidae  | balsam bark weevil          | balsam fir, spruce                   | C      |
| <b><i>rotundatus</i></b> LeC.  | Coleoptera  | Curculionidae  | small spruce weevil         | spruce, pine                         | C      |
| <b><i>similis</i></b> Hopk.  | Coleoptera  | Curculionidae  | balsam fir weevil           | balsam fir                           | C      |
| <b><i>strobi</i></b> (Peck)  | Coleoptera  | Curculionidae  | white pine weevil           | pine, spruce                         | A      |
| <b><i>Pityogenes</i></b>   |             |                |                             |                                      |        |
| <b><i>hopkinsi</i></b> Swaine  | Coleoptera  | Scolytidae     | bark beetle                 | pine                                 | C      |
| <b><i>p. plagiatus</i></b> (LeC.)                                      | Coleoptera  | Scolytidae     | bark beetle                 | pine, spruce                         | C      |
| <b><i>Pityokteines</i></b>   |             |                |                             |                                      |        |
| <b><i>sparsus</i></b> (LeC.)   | Coleoptera  | Scolytidae     | balsam fir bark beetle      | balsam fir                           | C      |
| <b><i>Pityophthorus</i></b>  |             |                |                             |                                      |        |
| <b><i>cariniceps</i></b> LeC.<br>(= <b><i>canadensis</i></b> Swaine)   | Coleoptera  | Scolytidae     | bark beetle                 | coniferous                           | C      |
| <b><i>consimilis</i></b> LeC.  | Coleoptera  | Scolytidae     | bark beetle                 | coniferous                           | C      |
| <b><i>lautus</i></b> Eich.<br>(= <b><i>rhois</i></b> Swaine)           | Coleoptera  | Scolytidae     | sumac bark beetle           | sumac                                | C      |
| <b><i>puberulus</i></b> (LeC.)   | Coleoptera  | Scolytidae     | pith borer                  | sumac                                | C      |
| <b><i>pulchellus</i></b> Eich.   | Coleoptera  | Scolytidae     | pine bark borer             | pine                                 | C      |
| <b><i>pulicarius</i></b> (Zimm.)                                       | Coleoptera  | Scolytidae     | pine pith borer             | pine                                 | C      |
| <b><i>Plagioderia</i></b>  |             |                |                             |                                      |        |
| <b><i>versicolora</i></b> (Laich.)                                     | Coleoptera  | Chrysomelidae  | imported willow leaf beetle | willow                               | B      |

| Scientific name   | Order       | Family        | Common name                   | Main host plant(s)<br>or insect type | Rating |
|---|-------------|---------------|-------------------------------|--------------------------------------|--------|
| <b><i>Plagiometriona</i></b><br><i>clavata</i> (F.)   | Coleoptera  | Chrysomelidae | leaf beetle                   | basswood                             | C      |
| <b><i>Plagodis</i></b><br><i>alcoolaria</i> (Gn.)   | Lepidoptera | Geometridae   | birch looper                  | deciduous                            | C      |
| <i>kuetzingi</i> (Grt.)   | Lepidoptera | Geometridae   | looper                        | deciduous                            | C      |
| <i>phlogosaria</i> (Gn.)  | Lepidoptera | Geometridae   | looper                        | deciduous                            | C      |
| <i>serinaria</i> H.-S.  | Lepidoptera | Geometridae   | looper                        | deciduous                            | C      |
| <b><i>Platarctia</i> (= <i>Parasemia</i>)</b><br><i>parthenos</i> (Harr.)                       | Lepidoptera | Arctiidae     | St. Lawrence giant tiger moth | deciduous                            | C      |
| <b><i>Plathypena</i></b><br><i>scabra</i> (F.)  | Lepidoptera | Noctuidae     | green cloverworm              | clover                               | G      |
| <b><i>Platycerus</i></b><br><i>marginalis</i> Casey   | Coleoptera  | Lucanidae     | stag beetle                   | coniferous                           | C      |
| <b><i>Platynota</i></b><br><i>idaeusalis</i> (Wlk.)   | Lepidoptera | Tortricidae   | tufted apple bud moth         | goldenrod, deciduous                 | C      |
| <b><i>Platynus</i> (= <i>Agonum</i>)</b><br><i>decentis</i> (Say)<br>[= <i>sinuatus</i> (Dej.)] | Coleoptera  | Carabidae     | ground beetle                 | predator                             | D      |
| <b><i>Platyperigea</i></b><br><i>multifera</i> (Wlk.)   | Lepidoptera | Noctuidae     | speckled rustic               | unknown                              | C      |
| <b><i>Platyptilia</i></b> see <i>Gillmeria</i> (= <i>Amblyptilia</i> in part)                   |             |               |                               |                                      |        |
| <b><i>Platypolia</i></b><br><i>anceps</i> (Steph.)  | Lepidoptera | Noctuidae     | owlet moth                    | unknown                              | C      |
| <b><i>Plemyria</i></b><br><i>georgii</i> Hlst.  | Lepidoptera | Geometridae   | looper                        | deciduous                            | C      |
| <b><i>Pleroneura</i></b><br><i>brunneicornis</i> Roh.<br>(= <i>borealis</i> Felt)               | Hymenoptera | Xyelidae      | balsam shootboring sawfly     | balsam fir                           | C      |
| <b><i>Plodia</i></b><br><i>interpunctella</i> (Hbn.)  | Lepidoptera | Pyalidae      | Indianmeal moth               | household                            | G      |
| <b><i>Plusia</i></b><br><i>putnami</i> Grt.   | Lepidoptera | Noctuidae     | owlet moth                    | grass                                | C      |
| <b><i>Plutella</i></b><br><i>xylostella</i> (L.)<br>[= <i>maculipennis</i> (Curt.)]             | Lepidoptera | Plutellidae   | diamondback moth              | cabbage, etc.                        | G      |
| <b><i>Poanes</i></b><br><i>hobomok</i> (Harr.)  | Lepidoptera | Hesperiidae   | hobomok skipper               | unknown                              | C      |
| <b><i>Pococera</i> (= <i>Tetralopha</i>)</b><br><i>aplastella</i> (Hlst.)                       | Lepidoptera | Pyalidae      | aspen webworm                 | aspen, birch                         | C      |
| <i>asperatella</i> (Clem.)  | Lepidoptera | Pyalidae      | maple webworm                 | maple                                | C      |
| <i>expandens</i> (Wlk.)   | Lepidoptera | Pyalidae      | striped oak webworm           | oak                                  | C      |
| <i>maritimalis</i> (McD.)   | Lepidoptera | Pyalidae      | larch webworm                 | larch, spruce                        | C      |
| <i>mitella</i> (Zell.)  | Lepidoptera | Pyalidae      | sycamore webworm              | sycamore                             | C      |

| Scientific name   | Order       | Family         | Common name                  | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------|------------------------------|--------------------------------------|--------|
| <b>Pococera</b> (cont'd)  |             |                |                              |                                      |        |
| <i>robustella</i> (Zell.)   | Lepidoptera | Pyalidae       | pine webworm                 | pine                                 | C      |
| <i>vacciniivora</i> (Mun.)  | Lepidoptera | Pyalidae       | blueberry webworm            | blueberry                            | C      |
| <b>Podabrus</b>   |             |                |                              |                                      |        |
| <i>diadema</i> (F.)   | Coleoptera  | Cantharidae    | soldier beetle               | predator                             | D      |
| <i>modestus</i> (Say)   | Coleoptera  | Cantharidae    | soldier beetle               | predator                             | D      |
| <i>tomentosus</i> (Say)   | Coleoptera  | Cantharidae    | soldier beetle               | predator                             | D      |
| <b>Podapion</b>   |             |                |                              |                                      |        |
| <i>gallicola</i> Riley<br>(= Curculionidae)                                       | Coleoptera  | Apionidae      | pine gall weevil             | red pine                             | C      |
| <b>Podisus</b>  |             |                |                              |                                      |        |
| <i>maculiventris</i> (Say)  | Heteroptera | Pentatomidae   | spined soldier bug           | predator                             | D      |
| <i>modestus</i> (Dall.)   | Heteroptera | Pentatomidae   | stink bug                    | predator                             | D      |
| <i>placidus</i> Uhl.  | Heteroptera | Pentatomidae   | stink bug                    | predator                             | D      |
| <i>serieventris</i> Uhl.  | Heteroptera | Pentatomidae   | stink bug                    | predator                             | D      |
| <b>Podosesia</b>  |             |                |                              |                                      |        |
| <i>syringae</i> (Harr.)<br>[= <i>fraxini</i> (Lug.)]                              | Lepidoptera | Sesiidae       | ash borer, lilac borer       | ash, lilac                           | C      |
| <b>Polia</b> (see also <i>Lacanobia</i> , <i>Melanchnra</i> and <i>Papestra</i> ) |             |                |                              |                                      |        |
| <i>detracta</i> (Wlk.)  | Lepidoptera | Noctuidae      | cutworm                      | deciduous                            | C      |
| <i>imbrifera</i> (Gn.)  | Lepidoptera | Noctuidae      | cutworm                      | cherry                               | C      |
| <i>latex</i> (Gn.)  | Lepidoptera | Noctuidae      | cutworm                      | birch                                | C      |
| <i>nimbosa</i> (Gn.)  | Lepidoptera | Noctuidae      | cutworm                      | deciduous                            | C      |
| <i>obscura</i> (Sm.)  | Lepidoptera | Noctuidae      | cutworm                      | unknown                              | C      |
| <i>purpurissata</i> (Grt.)  | Lepidoptera | Noctuidae      | cutworm                      | willow                               | C      |
| <b>Polites</b>  |             |                |                              |                                      |        |
| <i>mystic</i> (Edw.)  | Lepidoptera | Hesperiidae    | long dash                    | grasses                              | F      |
| <b>Polydrusus</b>   |             |                |                              |                                      |        |
| <i>impressifrons</i> (Gyll.)  | Coleoptera  | Curculionidae  | pale green weevil            | deciduous                            | C      |
| <b>Polygonia</b>  |             |                |                              |                                      |        |
| <i>comma</i> (Harr.)  | Lepidoptera | Nymphalidae    | hop merchant                 | deciduous                            | C      |
| <i>faunus</i> (Edw.)  | Lepidoptera | Nymphalidae    | green comma                  | deciduous                            | C      |
| <i>interrogationis</i> (F.)   | Lepidoptera | Nymphalidae    | question mark                | deciduous                            | C      |
| <i>progne</i> (Cram.)   | Lepidoptera | Nymphalidae    | gray comma                   | deciduous                            | C      |
| <b>Polygraphus</b>  |             |                |                              |                                      |        |
| <i>rufipennis</i> (Kby.)  | Coleoptera  | Scolytidae     | four-eyed spruce bark beetle | spruce                               | C      |
| <b>Pontania</b> (see also <i>Nematus</i> )  |             |                |                              |                                      |        |
| <i>lucidae</i> Roh.   | Hymenoptera | Tenthredinidae | willow gall sawfly           | willow                               | C      |
| <i>proxima</i> (Lep.)   | Hymenoptera | Tenthredinidae | willow redgall sawfly        | willow                               | C      |
| <i>resinicola</i> Marl.   | Hymenoptera | Tenthredinidae | willow leafgall sawfly       | willow                               | C      |
| <i>s-pomum</i> (Walsh)<br>[= <i>hospes</i> (Walsh)]                               | Hymenoptera | Tenthredinidae | willow applegall sawfly      | willow                               | C      |
| <b>Popillia</b>   |             |                |                              |                                      |        |
| <i>japonica</i> Newm.   | Coleoptera  | Scarabaeidae   | Japanese beetle              | general feeder                       | C      |
| <b>Porthetria</b> see <i>Lymantria</i>  |             |                |                              |                                      |        |



| Scientific name   | Order       | Family                           | Common name                 | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|-----------------------------|--------------------------------------|--------|
| <b><i>Prionoxystus</i></b>                              |             |                                  |                             |                                      |        |
| <b><i>macmurtrei</i></b> (G.-M.)                        | Lepidoptera | Cossidae                         | little carpenterworm        | deciduous                            | C      |
| <b><i>robiniae</i></b> (Peck)                           | Lepidoptera | Cossidae                         | carpenterworm               | deciduous                            | C      |
| <b><i>Priophorus</i></b>                                |             |                                  |                             |                                      |        |
| <b><i>betulae</i></b> Roh.                              | Hymenoptera | Tenthredinidae                   | birch sawfly                | birch                                | C      |
| <b><i>infuscatus</i></b> (MacG.)                        | Hymenoptera | Tenthredinidae                   | willow sawfly               | willow                               | C      |
| <b><i>Pristiphora</i></b>                               |             |                                  |                             |                                      |        |
| <b><i>acidovalva</i></b> Wong                           | Hymenoptera | Tenthredinidae                   | willow sawfly               | willow                               | C      |
| <b><i>cadma</i></b> W. & R.                             | Hymenoptera | Tenthredinidae                   | birch sawfly                | birch                                | C      |
| <b><i>erichsonii</i></b> (Htg.)                         | Hymenoptera | Tenthredinidae                   | larch sawfly                | larch                                | A      |
| <b><i>geniculata</i></b> (Htg.)                         | Hymenoptera | Tenthredinidae                   | mountain-ash sawfly         | mountain-ash                         | A      |
| <b><i>lena</i></b> Kinc.                                | Hymenoptera | Tenthredinidae                   | little spruce sawfly        | spruce                               | C      |
| <b><i>micronematica</i></b> Malaise                     | Hymenoptera | Tenthredinidae                   | willow sawfly               | willow                               | C      |
| <b><i>Probole</i></b> (= <i>Hyperetis</i> )             |             |                                  |                             |                                      |        |
| <b><i>amicaria</i></b> (H.-S.)                          | Lepidoptera | Geometridae                      | redcheeked looper           | alder                                | C      |
| <b><i>alienaria</i></b> H.-S.                           | Lepidoptera | Geometridae                      | looper                      | maple                                | C      |
| <b><i>Prochoerodes</i></b>                              |             |                                  |                             |                                      |        |
| <b><i>transversata</i></b> (Drury)                      | Lepidoptera | Geometridae                      | large maple spanworm        | deciduous                            | C      |
| <b><i>Prociophilus</i></b> (= <i>Paraprociophilus</i> ) |             |                                  |                             |                                      |        |
| <b><i>tessellatus</i></b> (Fitch)                       | Homoptera   | Aphididae                        | woolly alder aphid          | alder, maple                         | B      |
| <b><i>Prodiplosis</i></b>                               |             |                                  |                             |                                      |        |
| <b><i>morrissi</i></b> Gagné                            | Diptera     | Cecidomyiidae                    | leafcurl midge              | poplar                               | B      |
| <b><i>Profenusa</i></b>                                 |             |                                  |                             |                                      |        |
| <b><i>canadensis</i></b> (Marl.)                        | Hymenoptera | Tenthredinidae                   | hawthorn leafmining sawfly  | hawthorn                             | C      |
| <b><i>lucifex</i></b> (Ross)                            | Hymenoptera | Tenthredinidae                   | oak leafmining sawfly       | oak                                  | B      |
| <b><i>thomsoni</i></b> (Konow)                          | Hymenoptera | Tenthredinidae                   | ambermarked birch leafminer | birch                                | B      |
| <b><i>Proleucoptera</i></b>                             |             |                                  |                             |                                      |        |
| <b><i>smilaciella</i></b> (Bsk.)                        | Lepidoptera | Lyonetiidae                      | greenbrier leafminer        | greenbrier                           | C      |
| <b><i>Prolimacodes</i></b>                              |             |                                  |                             |                                      |        |
| <b><i>badia</i></b> (Hbn.)                              | Lepidoptera | Limacodidae                      | slug caterpillar            | deciduous                            | C      |
| <b><i>Proserpinus</i></b>                               |             |                                  |                             |                                      |        |
| <b><i>flavofasciata</i></b> (Wlk.)                      | Lepidoptera | Sphingidae                       | yellowbanded day sphinx     | ground plants                        | C      |
| <b><i>Prosimulium</i></b>                               |             |                                  |                             |                                      |        |
| <b><i>mixtum</i></b> S. & D.                            | Diptera     | Simuliidae                       | black fly                   | biting insect                        | F      |
| <b><i>Protagrotis</i></b> see <i>Apamea</i>             |             |                                  |                             |                                      |        |
| <b><i>Proteoteras</i></b>                               |             |                                  |                             |                                      |        |
| <b><i>aesculana</i></b> Riley                           | Lepidoptera | Tortricidae<br>(= Olethreutinae) | maple twig borer            | maple                                | C      |
| <b><i>moffatiana</i></b> Fern.                          | Lepidoptera | Tortricidae                      | maple shoot borer           | maple                                | C      |
| <b><i>willingana</i></b> (Kft.)                         | Lepidoptera | Tortricidae                      | boxelder twig borer         | Manitoba maple                       | C      |
| <b><i>Protheca</i></b> see <i>Sculptotheca</i>          |             |                                  |                             |                                      |        |
| <b><i>Protitame</i></b>                                 |             |                                  |                             |                                      |        |
| <b><i>virginalis</i></b> (Hlst.)                        | Lepidoptera | Geometridae                      | poplar looper               | deciduous                            | C      |

| Scientific name  | Order       | Family                           | Common name                 | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|-----------------------------|--------------------------------------|--------|
| <b>Protoboarmia</b><br><i>porcelaria indicataria</i> (Wlk.)                          | Lepidoptera | Geometridae                      | dashlined looper            | coniferous                           | C      |
| <b>Protolachnus</b> see <i>Eulachnus</i>   |             |                                  |                             |                                      |        |
| <b>Protolampra</b><br><i>rufipectus</i> (Morr.)                                      | Lepidoptera | Noctuidae                        | owlet moth                  | deciduous                            | C      |
| <b>Protorthodes</b><br><i>oviduca</i> (Gn.)  | Lepidoptera | Noctuidae                        | owlet moth                  | ground plants                        | F      |
| <b>Proxenus</b><br><i>miranda</i> (Grt.)   | Lepidoptera | Noctuidae                        | dandelion cutworm           | dandelion                            | F      |
| <b>Pseudaletia</b> (= <i>Leucania</i> )<br><i>unipuncta</i> (Haw.)                   | Lepidoptera | Noctuidae                        | armyworm                    | general feeder                       | C      |
| <b>Pseudexentera</b><br><i>costomaculana</i> (Clem.)                                 | Lepidoptera | Tortricidae<br>(= Olethreutinae) | witch-hazel leafroller      | witch-hazel                          | C      |
| <i>cressoniana</i> (Clem.)   | Lepidoptera | Tortricidae                      | hickory leafroller          | hickory                              | C      |
| <i>mali</i> Free.  | Lepidoptera | Tortricidae                      | pale apple leafroller       | apple                                | C      |
| <i>oregonana</i> (Wlsm.)   | Lepidoptera | Tortricidae                      | early aspen leafcurler      | poplar                               | A      |
| <i>spoliana</i> (Clem.)  | Lepidoptera | Tortricidae                      | oak olethreutid leafroller  | oak                                  | C      |
| <b>Pseudochalaria</b><br><i>walsinghami</i> Dietz                                    | Lepidoptera | Gelechiidae                      | sumac micro moth            | sumac                                | C      |
| <b>Pseudolucanus</b> see <i>Lucanus</i>  |             |                                  |                             |                                      |        |
| <b>Pseudosciaphila</b><br><i>duplex</i> (Wlsm.)                                      | Lepidoptera | Tortricidae<br>(= Olethreutinae) | poplar leafroller           | poplar                               | B      |
| <b>Pseudorthodes</b><br><i>vecors</i> (Gn.)  | Lepidoptera | Noctuidae                        | cutworm                     | ground plants                        | F      |
| <b>Pseudotelphusa</b> , (see also <i>Neotelphusa</i> and <i>Telphusa</i> )           |             |                                  |                             |                                      |        |
| <i>belangerella</i> (Cham.)  | Lepidoptera | Gelechiidae                      | alder leafroller            | alder                                | C      |
| <b>Pseudothyatira</b><br><i>cymatophoroides</i> (Gn.)                                | Lepidoptera | Thyatiridae                      | birch-and-alder caterpillar | birch, alder                         | C      |
| <b>Psilocorsis</b><br><i>cryptolechiella</i> (Cham.)<br>[= <i>faginella</i> (Cham.)] | Lepidoptera | Oecophoridae                     | twoleaf tier                | oak, others                          | C      |
| <i>quercicella</i> Clem.   | Lepidoptera | Oecophoridae                     | oak leaftier                | oak, others                          | C      |
| <i>reflexella</i> Clem.<br>(= <i>fletcherella</i> Gibs.)                             | Lepidoptera | Oecophoridae                     | flat leaftier               | oak, others                          | C      |
| <b>Psyche</b> (= <i>Fumea</i> )<br><i>casta</i> (Pallas)                             | Lepidoptera | Psychidae                        | bagworm                     | deciduous                            | C      |
| <b>Psylla</b> (see also <i>Cacopsylla</i> )<br><i>floccosa</i> Patch                 | Homoptera   | Psyllidae                        | false woolly alder aphid    | alder                                | C      |
| <b>Psyllobora</b><br><i>vigintimaculata</i> (Say)                                    | Coleoptera  | Coccinellidae                    | lady beetle                 | predator                             | D      |

| Scientific name   | Order       | Family          | Common name   | Main host plant(s)<br>or insect type | Rating |
|---|-------------|-----------------|---|--------------------------------------|--------|
| <b><i>Pterocomma</i></b>  |             |                 |   |                                      |        |
| <b><i>populifoliae</i></b> (Fitch)  | Homoptera   | Aphididae       | poplar aphid  | poplar                               | C      |
| <b><i>smithiae</i></b> (Monell)   | Homoptera   | Aphididae       | black willow aphid                                  | poplar, willow                       | C      |
| <b><i>Pteronarcys</i></b>   |             |                 |   |                                      |        |
| <b><i>dorsata</i></b> (Say)   | Plecoptera  | Pteronarcidae   | stone fly   | aquatic insect                       | F      |
| <b><i>Pterostichus</i></b>  |             |                 |   |                                      |        |
| <b><i>mutus</i></b> (Say)   | Coleoptera  | Carabidae       | ground beetle                                       | predator                             | D      |
| <b><i>Pterourus</i></b> see <b><i>Battus</i></b> , <b><i>Heraclides</i></b> and <b><i>Papilio</i></b>                 |             |                 |   |                                      |        |
| <b><i>Ptilinus</i></b>  |             |                 |   |                                      |        |
| <b><i>ruficornis</i></b> Say  | Coleoptera  | Anobiidae       | deathwatch beetle                                   | dry wood                             | F      |
| <b><i>Pulicalvaria</i></b> see <b><i>Coleotechnites</i></b>   |             |                 |   |                                      |        |
| <b><i>Pulvinaria</i></b>  |             |                 |   |                                      |        |
| <b><i>innumerabilis</i></b> (Rathv.)  | Homoptera   | Coccidae        | cottony maple scale                                 | maple                                | C      |
| <b><i>Pygoleptura</i></b> see <b><i>Nigrella</i></b> (= <b><i>Anoplodera</i></b> in part)                             |             |                 |   |                                      |        |
| <b><i>nigrella</i></b> (Say)  | Coleoptera  | Cerambycidae    | longhorned beetle                                   | unknown                              | C      |
| <b><i>Pyractomena</i></b>   |             |                 |   |                                      |        |
| <b><i>borealis</i></b> (Rand.)  | Coleoptera  | Lampyridae      | firefly   | predator                             | D      |
| <b><i>Pyropyga</i></b> (= <b><i>Lucidota</i></b> )  |             |                 |   |                                      |        |
| <b><i>nigricans</i></b> (Say)   | Coleoptera  | Lampyridae      | firefly   | predator                             | D      |
| <b><i>Pyrrhalta</i></b> see <b><i>Galerucella</i></b> , <b><i>Tricholochmaea</i></b> and <b><i>Xanthogaleruca</i></b> |             |                 |   |                                      |        |
| <b><i>Pyrrharctia</i></b> (= <b><i>Isia</i></b> )   |             |                 |   |                                      |        |
| <b><i>isabella</i></b> (J.E. Smith)   | Lepidoptera | Arctiidae       | banded woollybear                                   | ground plants                        | F      |
| <b><i>Pyrrhia</i></b>   |             |                 |   |                                      |        |
| <b><i>exprimens</i></b> (Wlk.)  | Lepidoptera | Noctuidae       | variable caterpillar                                | deciduous                            | B      |
| <b><i>umbra</i></b> (Hufn.)   | Lepidoptera | Noctuidae       | rose budworm  | rose                                 | C      |
| <b><i>Raphia</i></b>  |             |                 |   |                                      |        |
| <b><i>frater</i></b> Grt.   | Lepidoptera | Noctuidae       | yellowmarked caterpillar                            | aspen                                | C      |
| <b><i>Resseliella</i></b> (see also <b><i>Cecidomyia</i></b> )  |             |                 |   |                                      |        |
| <b><i>pinifoliae</i></b> (Felt)   | Diptera     | Cecidomyiidae   | white pine needle midge                             | white pine                           | B      |
| <b><i>spp.</i></b>  | Diptera     | Cecidomyiidae   | cone midge  | coniferous                           | B      |
| <b><i>Reticulitermes</i></b>  |             |                 |   |                                      |        |
| <b><i>flavipes</i></b> (Kol.)   | Isoptera    | Rhinotermitidae | eastern subterranean termite                        | dry wood                             | F      |
| <b><i>Retinia</i></b> see <b><i>Petrova</i></b>   |             |                 |   |                                      |        |
| <b><i>Rhabdophaga</i></b> (= <b><i>Dasineura</i></b> in part)   |             |                 |   |                                      |        |
| <b><i>normaniana</i></b> Felt   | Diptera     | Cecidomyiidae   | willow cabbagegall midge                            | willow                               | C      |
| <b><i>rosacea</i></b> Felt  | Diptera     | Cecidomyiidae   | rosette midge                                       | rose                                 | C      |
| <b><i>salicis</i></b> (Schr.)   | Diptera     | Cecidomyiidae   | willow twig-gall midge,<br>basket willow gall midge | willow                               | C      |
| <b><i>salicisbatatas</i></b> (O.S.)<br>(= <b><i>batatas</i></b> Walsh)  | Diptera     | Cecidomyiidae   | willow potatogall midge                             | willow                               | C      |
| <b><i>salicisbrassicoides</i></b> (Pack.)   | Diptera     | Cecidomyiidae   | willow cabbagegall midge                            | willow                               | C      |
| <b><i>salicisnodulus</i></b> (O.S.)   | Diptera     | Cecidomyiidae   | willow nodulegall midge                             | willow                               | C      |
| <b><i>strobiloides</i></b> (O.S.)   | Diptera     | Cecidomyiidae   | willow pinecone gall midge                          | willow                               | C      |

| Scientific name  | Order       | Family                           | Common name                  | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|------------------------------|--------------------------------------|--------|
| <b>Rhagium</b><br><i>inquisitor</i> (L.)   | Coleoptera  | Cerambycidae                     | longhorned beetle            | deadwood                             | F      |
| <b>Rhaxonycha</b> (= <i>Cantharis</i> in part)<br><i>carolina</i> (F.)                           | Coleoptera  | Cantharidae                      | Carolina cantharid           | deadwood                             | D      |
| <b>Rheumaptera</b><br><i>hastata</i> (L.)  | Lepidoptera | Geometridae                      | spearmarked black moth       | birch, alder, etc.                   | B      |
| <i>subhastata</i> (Nolcken)  | Lepidoptera | Geometridae                      | spearmarked black moth       | birch, alder, etc.                   | C      |
| <b>Rhopobota</b><br><i>finitimana</i> (Heinr.)   | Lepidoptera | Tortricidae<br>(= Olethreutinae) | micro moth                   | ground plant                         | F      |
| <b>Rhyacionia</b><br><i>adana</i> Heinr.   | Lepidoptera | Tortricidae<br>(= Olethreutinae) | pine tip moth                | pine                                 | B      |
| <i>buoliana</i> (D. & S.)  | Lepidoptera | Tortricidae                      | European pine shoot moth     | pine                                 | A      |
| <i>busckana</i> Heinr.   | Lepidoptera | Tortricidae                      | red pine shoot borer         | red, Scots pine                      | C      |
| <i>granti</i> Miller   | Lepidoptera | Tortricidae                      | jack pine shoot borer        | jack pine, red pine                  | C      |
| <i>rigidana</i> (Fern.)  | Lepidoptera | Tortricidae                      | pitch pine tip moth          | pitch pine                           | E      |
| <i>sonia</i> Miller  | Lepidoptera | Tortricidae                      | yellow jack pine shoot borer | jack pine                            | C      |
| <b>Rhynchaenus</b> (see also <i>Isochnus</i> and <i>Tachyerges</i> )<br><i>pallicornis</i> (Say) | Coleoptera  | Curculionidae                    | apple flea weevil            | serviceberry                         | C      |
| [= <i>uniformis</i> (Brown)]   |             |                                  |                              |                                      |        |
| <i>testaceus</i> (O.F. Müll.)  | Coleoptera  | Curculionidae                    | birch and alder flea weevil  | birch, alder                         | C      |
| [= <i>canus</i> (Horn)]  |             |                                  |                              |                                      |        |
| [= <i>pallidior</i> (Leng)]  |             |                                  |                              |                                      |        |
| <b>Salebriaria</b><br><i>engeli</i> (Dyar)   | Lepidoptera | Pyralidae                        | oak leaf tier                | oak                                  | C      |
| <b>Saperda</b> (see also <i>Mecas</i> )<br><i>calcarata</i> Say                                  | Coleoptera  | Cerambycidae                     | poplar borer                 | poplar                               | C      |
| <i>c. candida</i> F.   | Coleoptera  | Cerambycidae                     | roundheaded appletree borer  | apple tree                           | C      |
| <i>obliqua</i> Say   | Coleoptera  | Cerambycidae                     | alder stem borer             | alder                                | C      |
| <i>populnea moesta</i> LeC.  | Coleoptera  | Cerambycidae                     | poplar gall borer            | poplar                               | C      |
| <i>tridentata</i> Oliv.  | Coleoptera  | Cerambycidae                     | elm borer                    | elm                                  | C      |
| <i>vestita</i> Say   | Coleoptera  | Cerambycidae                     | linden borer                 | basswood                             | C      |
| <b>Sarcophaga</b> see <i>Arachnidomyia</i>   |             |                                  |                              |                                      |        |
| <b>Satyrium</b><br><i>calanus falacer</i> (Godt.)  | Lepidoptera | Lycaenidae                       | banded hairstreak            | oak, walnut                          | C      |
| <i>caryaevorum</i> (McD.)  | Lepidoptera | Lycaenidae                       | hickory hairstreak           | hickory                              | C      |
| <i>liparops strigosum</i> (Harr.)  | Lepidoptera | Lycaenidae                       | striped hairstreak           | deciduous                            | C      |
| <b>Saucrobotys</b><br><i>futilalis</i> (Led.)  | Lepidoptera | Pyralidae                        | dogbane micro moth           | dogbane                              | C      |
| <b>Schizolachnus</b><br><i>piniradiatae</i> (Dav.)   | Homoptera   | Aphididae                        | woolly pineneedle aphid      | red pine                             | C      |
| <b>Schizura</b><br><i>concinna</i> (J.E. Smith)  | Lepidoptera | Notodontidae                     | redhumped caterpillar        | deciduous                            | C      |
| <i>ipomoeae</i> Dbldy.   | Lepidoptera | Notodontidae                     | oak-maple humped caterpillar | deciduous                            | C      |
| <i>leptinoides</i> (Grt.)  | Lepidoptera | Notodontidae                     | humped caterpillar           | deciduous                            | C      |
| <i>unicornis</i> (J.E. Smith)  | Lepidoptera | Notodontidae                     | unicorn caterpillar          | deciduous                            | C      |
| [= <i>semirufescens</i> (Wlk.)]  |             |                                  |                              |                                      |        |

| Scientific name  | Order       | Family                           | Common name              | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|--------------------------|--------------------------------------|--------|
| <b>Schreckensteinia erythriella</b> (Clem.)                        | Lepidoptera | Heliodinidae                     | sumac micro moth         | sumac                                | C      |
| <b>Sciaphilus asperatus</b> (Bonsd.)                               | Coleoptera  | Curculionidae                    | weevil                   | unknown                              | C      |
| <b>Scirtes orbiculatus</b> (F.)                                    | Coleoptera  | Scirtidae<br>(= Helodidae)       | marsh beetle             | unknown                              | C      |
| <b>tibialis</b> G.-M.  | Coleoptera  | Scirtidae                        | marsh beetle             | unknown                              | C      |
| <b>Scolioneura betuleti</b> Klug                                   | Hymenoptera | Tenthredinidae                   | birch leaf edgeminer     | European birch                       | C      |
| <b>Scoliopteryx libatrix</b> (L.)                                  | Lepidoptera | Noctuidae                        | herald moth              | willow                               | C      |
| <b>Scolytus mali</b> (Bechst.)                                     | Coleoptera  | Scolytidae                       | larger shothole borer    | bark beetle                          | C      |
| <b>multistriatus</b> (Marsh.)                                      | Coleoptera  | Scolytidae                       | European elm bark beetle | elm                                  | A      |
| <b>piceae</b> (Swaine)   | Coleoptera  | Scolytidae                       | spruce bark beetle       | spruce                               | C      |
| <b>quadrispinosus</b> Say  | Coleoptera  | Scolytidae                       | hickory bark beetle      | hickory                              | C      |
| <b>rugulosus</b> (P.W.J. Müll.)                                    | Coleoptera  | Scolytidae                       | shothole borer           | fruit trees                          | C      |
| <b>Sculptotheca</b> (= <b>Protheca</b> )<br><b>puberula</b> (LeC.) | Coleoptera  | Anobiidae                        | deathwatch beetle        | dry wood                             | F      |
| <b>Scythropus</b> see <b>Pachyrhinus</b>                           |             |                                  |                          |                                      |        |
| <b>Selenia alciphearia</b> Wlk.                                    | Lepidoptera | Geometridae                      | looper                   | deciduous                            | C      |
| <b>Semanotus l. ligneus</b> (F.)                                   | Coleoptera  | Cerambycidae                     | cedartree borer          | cedar, juniper                       | C      |
| <b>Semioscopis aurorella</b> Dyar                                  | Lepidoptera | Oecophoridae                     | micro moth               | cherry                               | C      |
| <b>inornata</b> Wlsm.  | Lepidoptera | Oecophoridae                     | poplar micro moth        | poplar                               | C      |
| <b>Semiothisa</b> (see also <b>Macaria</b> )                       |             |                                  |                          |                                      |        |
| <b>aemulataria</b> (Wlk.)  | Lepidoptera | Geometridae                      | deciduous tree looper    | deciduous                            | C      |
| <b>banksianae</b> Fgn.   | Lepidoptera | Geometridae                      | jack pine looper         | jack pine                            | C      |
| <b>bicolorata</b> (F.)   | Lepidoptera | Geometridae                      | jack pine looper         | hard pines                           | C      |
| <b>bisignata</b> (Wlk.)  | Lepidoptera | Geometridae                      | white pine looper        | white pine                           | C      |
| <b>fissinotata</b> (Wlk.)  | Lepidoptera | Geometridae                      | lesser hemlock looper    | hemlock                              | C      |
| <b>mellistrigata</b> (Grt.)  | Lepidoptera | Geometridae                      | willow looper            | willow                               | C      |
| <b>minorata</b> (Pack.)  | Lepidoptera | Geometridae                      | white pine looper        | pine                                 | C      |
| <b>neptaria</b> (Gn.)  | Lepidoptera | Geometridae                      | willow-poplar looper     | willow, poplar                       | C      |
| <b>ocellinata</b> (Gn.)  | Lepidoptera | Geometridae                      | locust looper            | locust                               | C      |
| <b>orillata</b> (Wlk.)   | Lepidoptera | Geometridae                      | cedar looper             | cedar                                | C      |
| <b>oweni</b> (Swett)   | Lepidoptera | Geometridae                      | Owen's larch looper      | larch                                | C      |
| <b>pinistrobata</b> Fgn.   | Lepidoptera | Geometridae                      | white pine looper        | white pine                           | C      |
| <b>sexmaculata</b> (Pack.)   | Lepidoptera | Geometridae                      | green larch looper       | larch                                | C      |
| <b>submarmorata</b> (Wlk.)   | Lepidoptera | Geometridae                      | larch looper             | larch                                | C      |
| <b>transitaria</b> (Wlk.)  | Lepidoptera | Geometridae                      | pine looper              | jack pine, red pine                  | C      |
| <b>ulsterata</b> (Pears.)  | Lepidoptera | Geometridae                      | deciduous tree looper    | deciduous                            | C      |
| <b>Sereda tautana</b> (Clem.)                                      | Lepidoptera | Tortricidae<br>(= Olethreutinae) | micro moth               | oak                                  | C      |

| Scientific name                    | Order        | Family       | Common name               | Main host plant(s)<br>or insect type | Rating |
|------------------------------------|--------------|--------------|---------------------------|--------------------------------------|--------|
| <b>Serica</b>                      |              |              |                           |                                      |        |
| <i>atracapilla</i> (Kby.)          | Coleoptera   | Scarabaeidae | scarab beetle             | deciduous                            | C      |
| <i>sericea</i> (Ill.)              | Coleoptera   | Scarabaeidae | scarab beetle             | deciduous                            | C      |
| <i>tristis</i> LeC.                | Coleoptera   | Scarabaeidae | small leaf chafer         | deciduous                            | C      |
| <i>vespertina</i> (Gyll.)          | Coleoptera   | Scarabaeidae | scarab beetle             | deciduous                            | C      |
| <b>Sericothrips</b>                |              |              |                           |                                      |        |
| <i>tiliae</i> Hood                 | Thysanoptera | Thripidae    | basswood thrips           | basswood                             | C      |
| <b>Sesia (= Aegeria)</b>           |              |              |                           |                                      |        |
| <i>tibialis</i> (Harr.)            | Lepidoptera  | Sesiidae     | cottonwood crown borer    | poplar                               | C      |
| <b>Setoptus</b>                    |              |              |                           |                                      |        |
| <i>jonesi</i> (Keif.)              | Acari        | Phytoptidae  | red pine needle mite      | red pine                             | C      |
| <i>strobaculus</i> Keif.           | Acari        | Phytoptidae  | pine needle mite          | white and red pine                   | C      |
| <b>Sialis</b>                      |              |              |                           |                                      |        |
| <i>infumata</i> Newm.              | Neuroptera   | Sialidae     | alderfly                  | aquatic insect                       | F      |
| <b>Sicya</b>                       |              |              |                           |                                      |        |
| <i>macularia</i> (Harr.)           | Lepidoptera  | Geometridae  | twopronged looper         | deciduous                            | C      |
| <b>Sideridis</b>                   |              |              |                           |                                      |        |
| <i>rosea</i> (Harv.)               | Lepidoptera  | Noctuidae    | owlet moth                | deciduous                            | C      |
| <b>Simulium</b>                    |              |              |                           |                                      |        |
| <i>venustum</i> Say                | Diptera      | Simuliidae   | whitestockinged black fly | biting insect                        | F      |
| <b>Simyra</b>                      |              |              |                           |                                      |        |
| <i>henrici</i> (Grt.)              | Lepidoptera  | Noctuidae    | owlet moth                | ground plants                        | C      |
| <b>Sinea</b>                       |              |              |                           |                                      |        |
| <i>diadema</i> (F.)                | Heteroptera  | Reduviidae   | spined assassin bug       | predator                             | D      |
| <b>Sinoe</b>                       |              |              |                           |                                      |        |
| <i>robiniella</i> (Fitch)          | Lepidoptera  | Gelechiidae  | locust leaf-tier          | locust                               | C      |
| <b>Sirex</b>                       |              |              |                           |                                      |        |
| <i>edwardsii</i> Brullé            | Hymenoptera  | Siricidae    | blue horntail             | pitch pine                           | C      |
| <i>juvencus</i> (L.)               | Hymenoptera  | Siricidae    | European blue horntail    | pine, fir, spruce                    | C      |
| <i>nigricornis</i> F.              | Hymenoptera  | Siricidae    | blue horntail             | eastern white, Virginia pine         | C      |
| <i>noctilio</i> F.                 | Hymenoptera  | Siricidae    | Sirex woodwasp            | pinus                                | A      |
| <b>Smerinthus</b>                  |              |              |                           |                                      |        |
| <i>cerisyi</i> Kby.                | Lepidoptera  | Sphingidae   | willow sphinx             | poplar, willow                       | C      |
| <i>jamaicensis</i> (Drury)         | Lepidoptera  | Sphingidae   | twinspot sphinx           | willow, poplar                       | C      |
| <b>Solenobia</b>                   |              |              |                           |                                      |        |
| <i>walshella</i> (Clem.)           | Lepidoptera  | Psychidae    | bagworm                   | coniferous                           | C      |
| <b>Somatochlora</b>                |              |              |                           |                                      |        |
| <i>spp.</i>                        | Odonata      | Libellulidae | dragon fly                | predator                             | D      |
| <b>Spaelotis</b>                   |              |              |                           |                                      |        |
| <i>clandestina</i> (Harr.)         | Lepidoptera  | Noctuidae    | w-marked cutworm          | general feeder                       | C      |
| <b>Spargania</b>                   |              |              |                           |                                      |        |
| <i>luctuata obductata</i> (Mösch.) | Lepidoptera  | Geometridae  | looper                    | unknown                              | C      |
| <i>magnoliata</i> Gn.              | Lepidoptera  | Geometridae  | looper                    | white spruce                         | C      |

| Scientific name  | Order       | Family                           | Common name                                    | Main host plant(s)<br>or insect type | Rating |
|--|-------------|----------------------------------|--|--------------------------------------|--------|
| <b>Sparganothis (= Cenopis)</b>  |             |                                  |  |                                      |        |
| <i>acerivorana</i> MacK.   | Lepidoptera | Tortricidae                      | maple leafroller                               | maple                                | C      |
| <i>diluticostana</i> (Wlsm.)   | Lepidoptera | Tortricidae                      | leafroller                                     | unknown                              | C      |
| <i>directana</i> (Wlk.)  | Lepidoptera | Tortricidae                      | chokecherry leafroller                         | chokecherry                          | C      |
| <i>flavibasana</i> (Fern.)   | Lepidoptera | Tortricidae                      | leafroller                                     | ground plants                        | F      |
| <i>niveana</i> (Wlsm.)   | Lepidoptera | Tortricidae                      | leafroller                                     | ironwood, maple                      | C      |
| <i>pettitana</i> (Rob.)  | Lepidoptera | Tortricidae                      | maple-basswood leafroller                      | basswood, maple                      | C      |
| <i>reticulatana</i> (Clem.)  | Lepidoptera | Tortricidae                      | leafroller                                     | deciduous                            | C      |
| <i>sulfureana</i> (Clem.)  | Lepidoptera | Tortricidae                      | needle-tier                                    | general feeder                       | C      |
| <i>tristriata</i> Kft.   | Lepidoptera | Tortricidae                      | needle-tier                                    | general feeder                       | C      |
| <i>umbrana</i> B. & Bsk.   | Lepidoptera | Tortricidae                      | needle-tier                                    | basswood                             | C      |
| <i>unifasciana</i> (Clem.)   | Lepidoptera | Tortricidae                      | needle-tier                                    | pine, spruce                         | C      |
| <b>Speyeria</b>  |             |                                  |  |                                      |        |
| <i>aphrodite</i> (F.)  | Lepidoptera | Nymphalidae                      | aphrodite fritillary                           | violets                              | F      |
| <i>cybele</i> (F.)   | Lepidoptera | Nymphalidae                      | great spangled fritillary                      | violets                              | F      |
| <b>Sphinx</b>  |             |                                  |  |                                      |        |
| <i>canadensis</i> Bdv.   | Lepidoptera | Sphingidae                       | northern ash sphinx                            | ash                                  | C      |
| <i>chersis</i> (Hbn.)  | Lepidoptera | Sphingidae                       | great ash sphinx                               | deciduous                            | C      |
| <i>drupiferarum</i> J.E. Smith   | Lepidoptera | Sphingidae                       | wild-cherry sphinx                             | fruit trees                          | C      |
| <i>gordius</i> Cram.   | Lepidoptera | Sphingidae                       | apple sphinx                                   | larch, apple                         | C      |
| <i>kalmiae</i> J.E. Smith  | Lepidoptera | Sphingidae                       | laurel sphinx                                  | deciduous                            | C      |
| <i>luscitiosa</i> Clem.  | Lepidoptera | Sphingidae                       | poplar-and-willow sphinx,<br>Clemens' hawkmoth | poplar, willow, birch                | C      |
| <b>Spilonota</b>   |             |                                  |  |                                      |        |
| <i>ocellana</i> (D. & S.)  | Lepidoptera | Tortricidae<br>(= Olethreutinae) | eyespot bud moth                               | fruit trees, larch                   | C      |
| <b>Spilosoma (= Estigmene in part)</b>                                 |             |                                  |  |                                      |        |
| <i>congrua</i> (Wlk.)  | Lepidoptera | Arctiidae                        | woollybear                                     | herbaceous                           | F      |
| <i>dubia</i> (Wlk.)<br>(= <i>prima</i> Slosson)                        | Lepidoptera | Arctiidae                        | woollybear                                     | grasses                              | F      |
| <i>virginica</i> (F.)  | Lepidoptera | Arctiidae                        | yellow woollybear                              | deciduous                            | C      |
| <b>Stenoma see Antaeotricha</b>  |             |                                  |  |                                      |        |
| <b>Sterictiphora</b>   |             |                                  |  |                                      |        |
| <i>sericea</i> (Nort.)   | Hymenoptera | Argidae                          | hawthorn sawfly                                | hawthorn                             | C      |
| <b>Sternochetus see Cryptorhynchus</b>                                 |             |                                  |  |                                      |        |
| <b>Sthenopis</b>   |             |                                  |  |                                      |        |
| <i>argenteomaculatus</i> (Harr.)                                       | Lepidoptera | Hepialidae                       | alder rootborer                                | alder                                | C      |
| <i>purpurascens</i> (Pack.)  | Lepidoptera | Hepialidae                       | rootborer                                      | roots                                | C      |
| <i>quadriguttatus</i> (Grt.)   | Lepidoptera | Hepialidae                       | poplar-and-willow rootborer                    | poplar, willow                       | C      |
| <b>Stictoleptura</b>   |             |                                  |  |                                      |        |
| <i>c. canadensis</i> (Oliv.)   | Coleoptera  | Cerambycidae                     | redshouldered pine borer                       | coniferous                           | C      |
| <b>Stigmella (see also Extoedemia, Obrussa and Nepticula)</b>          |             |                                  |  |                                      |        |
| <i>castaneaefoliella</i> (Cham.)                                       | Lepidoptera | Nepticulidae                     | chestnut leafminer                             | chestnut                             | C      |
| <i>latifasciella</i> (Cham.)<br>(= <i>Nepticula macrocarpae</i> Free.) | Lepidoptera | Nepticulidae                     | oak serpentine leafminer                       | oak                                  | C      |
| <b>Stilbosis (= Chrysopelia)</b>                                       |             |                                  |  |                                      |        |
| <i>ostryaeella</i> (Cham.)   | Lepidoptera | Cosmopterigidae                  | ironwood leafminer                             | ironwood                             | C      |
| <b>Stilpnobia see Leucoma</b>  |             |                                  |  |                                      |        |

| Scientific name   | Order       | Family         | Common name                   | Main host plant(s)<br>or insect type  | Rating |
|---|-------------|----------------|-------------------------------|---------------------------------------|--------|
| <b><i>Strangalepta</i></b> (= <i>Anoplodera</i> in part)            |             |                |                               |                                       |        |
| <b><i>pubera</i></b> (Say)  | Coleoptera  | Cerambycidae   | longhorned beetle             | unknown                               | C      |
| <b><i>Stretchia</i></b>   |             |                |                               |                                       |        |
| <b><i>plusiaeformis</i></b> Hy. Edw.                                | Lepidoptera | Noctuidae      | owlet moth                    | currant                               | F      |
| <b><i>Strobilomyia</i></b> (= <i>Lasiomma</i> and <i>Hylemya</i> )  |             |                |                               |                                       |        |
| <b><i>appalachensis</i></b> McHelson                                | Diptera     | Anthomyiidae   | black spruce seed cone maggot | black spruce                          | A      |
| <b><i>laricis</i></b> Michelsen                                     | Diptera     | Anthomyiidae   | larch cone maggot             | tamarack                              | A      |
| <b><i>neanthracina</i></b> Michelsen<br>(= <i>anthracina</i> auth.) | Diptera     | Anthomyiidae   | white spruce cone maggot      | spruce cones                          | A      |
| <b><i>viaria</i></b> (Huckett)                                      | Diptera     | Anthomyiidae   | tamarack cone maggot          | tamarack                              | A      |
| <b><i>Strongylogaster</i></b>                                       |             |                |                               |                                       |        |
| <b><i>multicincta</i></b> Nort.                                     | Hymenoptera | Tenthredinidae | sawfly                        | bracken                               | F      |
| <b><i>Sunira</i></b>  |             |                |                               |                                       |        |
| <b><i>bicolorago</i></b> (Gn.)                                      | Lepidoptera | Noctuidae      | owlet moth                    | ground plants,<br>possibly tree seeds | F      |
| <b><i>Swammerdamia</i></b>  |             |                |                               |                                       |        |
| <b><i>caesiella</i></b> (Hbn.)                                      | Lepidoptera | Yponomeutidae  | birch micro moth              | birch                                 | C      |
| <b><i>pyrella</i></b> (Vill.)                                       | Lepidoptera | Yponomeutidae  | cherry micro moth             | cherry                                | C      |
| <b><i>Symmerista</i></b>  |             |                |                               |                                       |        |
| <b><i>albifrons</i></b> (J. E. Smith)                               | Lepidoptera | Notodontidae   | orangehumped oakworm          | oak                                   | C      |
| <b><i>canicosta</i></b> Franc.                                      | Lepidoptera | Notodontidae   | redhumped oakworm             | oak                                   | C      |
| <b><i>leucitys</i></b> Franc.                                       | Lepidoptera | Notodontidae   | orangehumped mapleworm        | maple                                 | C      |
| <b><i>Symydobius</i></b> (= <i>Neosymydobius</i> )                  |             |                |                               |                                       |        |
| <b><i>americanus</i></b> Baker                                      | Homoptera   | Aphididae      | dark birch aphid              | birch                                 | C      |
| <b><i>Synanthedon</i></b> (= <i>Vespamima</i> )                     |             |                |                               |                                       |        |
| <b><i>acerni</i></b> (Clem.)  | Lepidoptera | Sesiidae       | maple callus borer            | maple                                 | C      |
| <b><i>bolteri</i></b> (Hy. Edw.)                                    | Lepidoptera | Sesiidae       | willow borer                  | willow                                | C      |
| <b><i>exitiosa</i></b> (Say)  | Lepidoptera | Sesiidae       | peachtree borer               | fruit trees                           | C      |
| <b><i>pictipes</i></b> (G. & R.)                                    | Lepidoptera | Sesiidae       | lesser peachtree borer        | deciduous                             | C      |
| <b><i>pini</i></b> (Kell.)  | Lepidoptera | Sesiidae       | pitch mass borer              | pine, spruce                          | C      |
| <b><i>Synanthedon</i></b>   |             |                |                               |                                       |        |
| <b><i>tipuliformis</i></b> (Cl.)                                    | Lepidoptera | Sesiidae       | currant borer                 | currant                               | C      |
| <b><i>viburni</i></b> Engelh.                                       | Lepidoptera | Sesiidae       | viburnum borer                | viburnum                              | C      |
| <b><i>Syndemis</i></b>  |             |                |                               |                                       |        |
| <b><i>afflictana</i></b> (Wlk.)                                     | Lepidoptera | Tortricidae    | micro moth                    | general feeder                        | C      |
| <b><i>Synchlora</i></b>   |             |                |                               |                                       |        |
| <b><i>aerata</i></b> (F.)   | Lepidoptera | Geometridae    | camouflaged looper            | sweetfern, birch                      | F      |
| <b><i>Syneta</i></b>  |             |                |                               |                                       |        |
| <b><i>ferruginea</i></b> (Germ.)                                    | Coleoptera  | Chrysomelidae  | rusty leaf beetle             | deciduous                             | C      |
| <b><i>Syngrapha</i></b>   |             |                |                               |                                       |        |
| <b><i>alias</i></b> (Ottol.)  | Lepidoptera | Noctuidae      | spruce climbing cutworm       | coniferous                            | C      |
| <b><i>epigaea</i></b> (Grt.)  | Lepidoptera | Noctuidae      | blueberry false looper        | blueberry                             | F      |
| <b><i>octoscripta</i></b> (Grt.)                                    | Lepidoptera | Noctuidae      | false looper                  | unknown                               | C      |
| <b><i>rectangula</i></b> (Kby.)                                     | Lepidoptera | Noctuidae      | angulated cutworm             | coniferous                            | C      |
| <b><i>selecta</i></b> (Wlk.)  | Lepidoptera | Noctuidae      | spruce false looper           | coniferous                            | C      |
| <b><i>Syrphus</i></b>   |             |                |                               |                                       |        |
| <b><i>rectus</i></b> O.S.   | Diptera     | Syrphidae      | hover fly                     | predator                              | D      |



| Scientific name  | Order        | Family         | Common name                   | Main host plant(s)<br>or insect type | Rating |
|--|--------------|----------------|-------------------------------|--------------------------------------|--------|
| <b>Tachyerges</b> (see also <i>Isochnus</i> and <i>Rhychaenus</i> )        |              |                |                               |                                      |        |
| <i>ephippiatus</i> (Say)   | Coleoptera   | Curculionidae  | poplar and willow flea weevil | poplar, willow                       | C      |
| <i>salicis</i> (L.)<br>[= <i>subhirtus</i> (Horn)]                         | Coleoptera   | Curculionidae  | poplar flea weevil            | poplar                               | C      |
| <b>Tacparia</b>  |              |                |                               |                                      |        |
| <i>detersata</i> (Gn.)   | Lepidoptera  | Geometridae    | leaping looper                | alder                                | C      |
| <b>Taenioglyptes</b> see <i>Cryphalus</i>                                  |              |                |                               |                                      |        |
| <b>Taeniothrips</b>  |              |                |                               |                                      |        |
| <i>inconsequens</i> (Uzel)   | Thysanoptera | Thripidae      | pear thrips                   | sugar maple                          | B      |
| <b>Taniva</b> (= <i>Endothenia</i> )                                       |              |                |                               |                                      |        |
| <i>albolineana</i> (Kft.)  | Lepidoptera  | Tortricidae    | spruce needleminer            | spruce                               | C      |
| <b>Tarachidia</b>  |              |                |                               |                                      |        |
| <i>candefacta</i> (Hbn.)   | Lepidoptera  | Noctuidae      | ragweed false looper          | ragweed                              | F      |
| <i>erastrioides</i> (Gn.)  | Lepidoptera  | Noctuidae      | ragweed false looper          | ragweed                              | F      |
| <b>Telamona</b>  |              |                |                               |                                      |        |
| <i>tiliae</i> Ball   | Homoptera    | Membracidae    | treehopper                    | deciduous                            | C      |
| <i>tremulata</i> Ball  | Homoptera    | Membracidae    | aspen treehopper              | aspen                                | C      |
| <b>Telphusa</b> , (see also <i>Pseudotelphusa</i> and <i>Neotelphusa</i> ) |              |                |                               |                                      |        |
| <i>longifasciella</i> (Clem.)  | Lepidoptera  | Gelechiidae    | sumac micro moth              | sumac                                | C      |
| <b>Tethida</b>   |              |                |                               |                                      |        |
| <i>cordigera</i> (Beauv.)  | Hymenoptera  | Tenthredinidae | blackheaded ash sawfly        | ash                                  | C      |
| <b>Tetracis</b>  |              |                |                               |                                      |        |
| <i>cachexiata</i> Gn.  | Lepidoptera  | Geometridae    | looper                        | general feeder                       | C      |
| <i>crocallata</i> Gn.  | Lepidoptera  | Geometridae    | looper                        | willow                               | C      |
| <b>Tetralopha</b> see <i>Pococera</i>                                      |              |                |                               |                                      |        |
| <b>Tetropium</b>   |              |                |                               |                                      |        |
| <i>cinnamopterum</i> Kby.  | Coleoptera   | Cerambycidae   | eastern larch borer           | spruce, pine                         | C      |
| <b>Tetyra</b>  |              |                |                               |                                      |        |
| <i>bipunctata</i> (H.-S.)  | Heteroptera  | Pentatomidae   | shieldbacked pine seed bug    | pine seed                            | C      |
| <b>Thanasimus</b>  |              |                |                               |                                      |        |
| <i>dubius</i> (F.)   | Coleoptera   | Cleridae       | checkered beetle              | predator                             | D      |
| <b>Thecabius</b>   |              |                |                               |                                      |        |
| <i>affinis</i> (Kltb.)   | Homoptera    | Aphididae      | purse leaf gall aphid         | poplar                               | C      |
| <b>Thecodiplosis</b>   |              |                |                               |                                      |        |
| <i>liriodendri</i> (O.S.)  | Diptera      | Cecidomyiidae  | tulip spotgall midge          | tulip, poplar                        | C      |
| <i>piniresinosae</i> Kearby  | Diptera      | Cecidomyiidae  | red pine needle midge         | red pine                             | C      |
| <b>Thera</b>   |              |                |                               |                                      |        |
| <i>contractata</i> (Pack.)   | Lepidoptera  | Geometridae    | juniper looper                | juniper                              | C      |
| <i>juniperata</i> (L.)   | Lepidoptera  | Geometridae    | juniper looper                | juniper                              | C      |
| <b>Thrips</b>  |              |                |                               |                                      |        |
| <i>calcaratus</i> Uzel   | Thysanoptera | Thripidae      | introduced basswood thrips    | basswood, bur oak                    | B      |
| <b>Thymelicus</b>  |              |                |                               |                                      |        |
| <i>lineola</i> (Ochs.)   | Lepidoptera  | Hesperiidae    | European skipper              | timothy                              | G      |

| Scientific name   | Order       | Family         | Common name             | Main host plant(s)<br>or insect type         | Rating |
|---|-------------|----------------|-------------------------|--|--------|
| <b><i>Thyridopteryx</i></b><br><b><i>ephemeraeformis</i></b> (Haw.) | Lepidoptera | Psychidae      | bagworm                 | coniferous                                   | C      |
| <b><i>Tibicen</i></b><br><b><i>canicularis</i></b> (Harr.)          | Homoptera   | Cicadidae      | cicada                  | larva in soil                                | C      |
| <b><i>Tischeria</i></b><br><b><i>castanaeaeella</i></b> Cham.       | Lepidoptera | Tischeriidae   | oak leafminer           | oak  | C      |
| <b><i>citripennella</i></b> Clem.                                   | Lepidoptera | Tischeriidae   | oakleaf edgeminer       | oak, chestnut                                | C      |
| <b><i>malifoliella</i></b> Clem.                                    | Lepidoptera | Tischeriidae   | appleleaf trumpet miner | fruit trees                                  | C      |
| <b><i>Tiascala</i></b><br><b><i>reductella</i></b> (Wlk.)           | Lepidoptera | Pyralidae      | locust leaf-tier        | black locust                                 | C      |
| <b><i>Tolype</i></b><br><b><i>laricis</i></b> (Fitch)               | Lepidoptera | Lasiocampidae  | larch lappet moth       | coniferous                                   | C      |
| <b><i>vellada</i></b> (Stoll)                                       | Lepidoptera | Lasiocampidae  | vellada lappet moth     | deciduous                                    | C      |
| <b><i>Tomicus</i></b><br><b><i>piniperda</i></b> (L.)               | Coleoptera  | Scolytidae     | pine shoot beetle       | pine   | B      |
| <b><i>Tomostethus</i></b><br><b><i>multicinctus</i></b> (Roh.)      | Hymenoptera | Tenthredinidae | brownheaded ash sawfly  | ash  | C      |
| <b><i>Tortricidia</i></b><br><b><i>flexuosa</i></b> (Grt.)          | Lepidoptera | Limacodidae    | slug caterpillar        | oak, maple                                   | C      |
| <b><i>pallida</i></b> (H.-S.)                                       | Lepidoptera | Limacodidae    | slug caterpillar        | beech, maple                                 | C      |
| <b><i>Tortrix</i> see <i>Aphelia</i> and <i>Xenotemna</i></b>       |             |                |                         |  |        |
| <b><i>Toumeyella</i></b><br><b><i>liriodendri</i></b> (Gmel.)       | Homoptera   | Coccidae       | tulip tree scale        | tulip tree, basswood,<br>magnolia, walnut    | C      |
| <b><i>parvicornis</i></b> (Ckll.)                                   | Homoptera   | Coccidae       | pine tortoise scale     | jack pine, Scots pine                        | B      |
| [= <i>numismaticum</i> (P. & M.)]                                   |             |                |                         |  |        |
| <b><i>Trachoma</i> see <i>Ypsolopha</i></b>                         |             |                |                         |  |        |
| <b><i>Trachysida</i></b><br><b><i>mutabilis</i></b> (Newm.)         | Coleoptera  | Cerambycidae   | longhorned beetle       | deciduous                                    | C      |
| <b><i>Tremex</i></b><br><b><i>columba</i></b> (L.)                  | Hymenoptera | Siricidae      | pigeon tremex           | deciduous                                    | C      |
| <b><i>Tribolium</i></b><br><b><i>castaneum</i></b> (Hbst.)          | Coleoptera  | Tenebrionidae  | red flour beetle        | household pest                               | G      |
| <b><i>confusum</i></b> DuV.   | Coleoptera  | Tenebrionidae  | confused flour beetle   | household pest                               | G      |
| <b><i>Trichiocampus</i></b><br><b><i>gregarius</i></b> (Dyar)       | Hymenoptera | Tenthredinidae | hairy poplar sawfly     | poplar                                       | C      |
| <b><i>simplicicornis</i></b> (Nort.)                                | Hymenoptera | Tenthredinidae | hairy willow sawfly     | willow                                       | C      |
| [= <i>irregularis</i> (Dyar)]                                       |             |                |                         |  |        |
| <b><i>viminalis</i></b> (Fall.)                                     | Hymenoptera | Tenthredinidae | hairy poplar sawfly     | poplar, willow                               | C      |
| <b><i>Trichiosoma</i></b><br><b><i>triangulum</i></b> Kby.          | Hymenoptera | Cimbicidae     | giant birch sawfly      | alder, ash, birch, Prunus,<br>poplar, willow | C      |
| <b><i>Trichiotinus</i></b><br><b><i>affinis</i></b> (G. & P.)       | Coleoptera  | Scarabaeidae   | scarab beetle           | ground plants                                | F      |
| <b><i>assimilis</i></b> (Kby.)                                      | Coleoptera  | Scarabaeidae   | scarab beetle           | ground plants                                | F      |

| Scientific name  | Order       | Family            | Common name                | Main host plant(s)<br>or insect type | Rating |
|--|-------------|-------------------|----------------------------|--------------------------------------|--------|
| <b><i>Trichogramma</i></b><br><i>minutum</i> Riley                               | Hymenoptera | Trichogrammatidae | minute egg parasite        | Lepidoptera eggs                     | D      |
| <b><i>Tricholochmaea</i> (= <i>Pyrhalta</i>)</b><br><i>alni</i> (Fall)           | Coleoptera  | Chrysomelidae     | brown alder leaf beetle    | alder                                | C      |
| <i>cavicollis</i> (LeC.)   | Coleoptera  | Chrysomelidae     | cherry leaf beetle         | cherry                               | C      |
| <i>d. decora</i> (Say)   | Coleoptera  | Chrysomelidae     | gray willow leaf beetle    | willow                               | B      |
| <i>perplexa</i> (Fall)   | Coleoptera  | Chrysomelidae     | brown willow leaf beetle   | willow                               | C      |
| <i>spiraeeae</i> (Fall)  | Coleoptera  | Chrysomelidae     | meadowsweet leaf beetle    | meadowsweet                          | F      |
| <i>tuberculata</i> (Say)   | Coleoptera  | Chrysomelidae     | willow leaf beetle         | willow                               | C      |
| <b><i>Trichoplusia</i></b><br><i>ni</i> (Hbn.)                                   | Lepidoptera | Noctuidae         | cabbage looper             | cabbage, flowers                     | F      |
| <b><i>Trichoptilus</i></b> see <i>Dejongia</i>                                   |             |                   |                            |                                      |        |
| <b><i>Trichotaphe</i></b> see <i>Dichomeris</i>                                  |             |                   |                            |                                      |        |
| <b><i>Trigonarthis</i></b><br><i>minnesotana</i> (Casey)                         | Coleoptera  | Cerambycidae      | Minnesota longhorn beetle  | deciduous                            | C      |
| <i>proxima</i> (Say)   | Coleoptera  | Cerambycidae      | longhorned beetle          | gum tree                             | C      |
| <b><i>Trisetacus</i></b><br><i>alborum</i> Keif.                                 | Acari       | Phytoptidae       | white pine needle mite     | white pine                           | C      |
| <i>ehmanni</i> Keif.   | Acari       | Phytoptidae       | pine needle mite           | jack pine                            | C      |
| <i>grosmanni</i> Keif.   | Acari       | Phytoptidae       | fir bud mite               | balsam fir, spruce,<br>red pine      | C      |
| <i>pini</i> (Nal.)   | Acari       | Nalepellidae      | pine bud mite              | hard pines                           | C      |
| <b><i>Trishormomya</i></b><br><i>canadensis</i> (Felt)                           | Diptera     | Cecidomyiidae     | juneberry lippedgall midge | serviceberry                         | C      |
| <i>crataegifolia</i> (Felt)  | Diptera     | Cecidomyiidae     | coxcomb gall midge         | hawthorn                             | C      |
| <i>salicisverruca</i> (O.S.)   | Diptera     | Cecidomyiidae     | willow lippedgall midge    | willow                               | C      |
| <b><i>Trypodendron</i></b><br><i>betulae</i> Sw.                                 | Coleoptera  | Scolytidae        | birch ambrosia beetle      | birch                                | C      |
| <i>lineatum</i> (Oliv.)  | Coleoptera  | Scolytidae        | striped ambrosia beetle    | coniferous                           | C      |
| <i>retusum</i> (LeC.)  | Coleoptera  | Scolytidae        | poplar ambrosia beetle     | poplar                               | C      |
| <i>rufitarsis</i> (Kby.)   | Coleoptera  | Scolytidae        | conifer ambrosia beetle    | spruce, pine                         | C      |
| <b><i>Tuberolachnus</i></b><br><i>salignus</i> (Gmel.)                           | Homoptera   | Aphididae         | giant willow aphid         | willow                               | C      |
| <b><i>Typocerus</i></b><br><i>v. velutinus</i> (Oliv.)                           | Coleoptera  | Cerambycidae      | longhorned beetle          | dead wood                            | C      |
| <b><i>Upis</i></b><br><i>ceramboides</i> (L.)                                    | Coleoptera  | Tenebrionidae     | roughened darkling beetle  | deciduous                            | C      |
| <b><i>Urocerus</i></b><br><i>albicornis</i> (F.)                                 | Hymenoptera | Siricidae         | black horntail             | coniferous                           | C      |
| <i>cresoni</i> Norton  | Hymenoptera | Siricidae         | black and red horntail     | coniferous                           | C      |
| <i>gigas flavicornis</i> (F.)  | Hymenoptera | Siricidae         | banded horntail            | coniferous                           | C      |
| <b><i>Valentinia</i></b> see <i>Blastobasis</i>                                  |             |                   |                            |                                      |        |
| <b><i>Vanessa</i> (= <i>Cynthia</i>)</b><br><i>atalanta rubria</i> (Fruhstorfer) | Lepidoptera | Nymphalidae       | red admiral                | nettles                              | F      |
| <i>cardui</i> (L.)   | Lepidoptera | Nymphalidae       | painted lady               | thistle                              | F      |
| <i>virginiensis</i> (Drury)  | Lepidoptera | Nymphalidae       | American painted beauty    | flowers                              | F      |

| Scientific name  | Order       | Family        | Common name                            | Main host plant(s)<br>or insect type | Rating |
|--|-------------|---------------|--|--------------------------------------|--------|
| <b>Vasates</b>   |             |               |  |                                      |        |
| <i>aceris-crumena</i> (Riley)  | Acari       | Eriophyidae   | maple spindlegall mite                 | maple                                | C      |
| <i>quadripedes</i> (Shimer)  | Acari       | Eriophyidae   | maple bladdergall mite                 | maple                                | C      |
| <b>Venusia</b>   |             |               |  |                                      |        |
| <i>cambrica</i> Curt.  | Lepidoptera | Geometridae   | alder looper                           | alder                                | C      |
| <i>comptaria</i> (Wik.)  | Lepidoptera | Geometridae   | alder looper                           | alder                                | C      |
| <b>Vespamima</b> see <b>Synanthedon</b>                                |             |               |  |                                      |        |
| <b>Vespula</b>   |             |               |  |                                      |        |
| <i>arenaria</i> (F.)   | Hymenoptera | Vespidae      | aerial yellowjacket                    | predator                             | D      |
| <i>maculata</i> (L.)   | Hymenoptera | Vespidae      | baldfaced hornet,<br>whitefaced hornet | predator                             | D      |
| <b>Winnertzia</b>  |             |               |  |                                      |        |
| <i>hudsonici</i> Felt  | Diptera     | Cecidomyiidae | fringed cupgall midge                  | hawthorn                             | C      |
| <b>Xanthia</b>   |             |               |  |                                      |        |
| <i>togata</i> (Esp.)<br>[= <i>lutea</i> (Ström)]                       | Lepidoptera | Noctuidae     | pinkbarred sawfly                      | deciduous                            | C      |
| <b>Xanthogaleruca</b> (= <b>Pyrrhalta</b> in part)                     |             |               |  |                                      |        |
| <i>luteola</i> (O.F. Müll.)  | Coleoptera  | Chrysomelidae | elm leaf beetle                        | elm                                  | C      |
| <b>Xanthonia</b>   |             |               |  |                                      |        |
| <i>decemnotata</i> (Say)   | Coleoptera  | Chrysomelidae | tenspotted leaf beetle                 | birch, hazel                         | C      |
| <b>Xanthoteras</b>   |             |               |  |                                      |        |
| <i>quercusforticorne</i> (Walsh)<br>[= <i>forticorne</i> (O.S.)]       | Hymenoptera | Cynipidae     | oak figgall wasp                       | oak                                  | C      |
| <b>Xanthotype</b>  |             |               |  |                                      |        |
| <i>sospeta</i> (Drury)   | Lepidoptera | Geometridae   | crocus geometer                        | deciduous                            | C      |
| <i>urticaria</i> Swett   | Lepidoptera | Geometridae   | loopers                                | maple                                | C      |
| <b>Xenotemna</b> (= <b>Aphelia</b> in part) (see also <b>Tortrix</b> ) |             |               |  |                                      |        |
| <i>pallorana</i> (Rob.)  | Lepidoptera | Tortricidae   | pine-and-clover tier                   | pine, clover                         | C      |
| <b>Xerophylla</b> see <b>Phylloxera</b>                                |             |               |  |                                      |        |
| <b>Xestia</b> (= <b>Amathes</b> and <b>Anomogyna</b> )                 |             |               |  |                                      |        |
| <i>adela</i> Franc.<br>(= <i>c-nigrum</i> , part)                      | Lepidoptera | Noctuidae     | spotted cutworm                        | agricultural pest                    | F      |
| <i>dolosa</i> Franc.<br>(= <i>c-nigrum</i> , part)                     | Lepidoptera | Noctuidae     | spotted cutworm                        | agricultural pest                    | F      |
| <i>elimata</i> (Gn.)   | Lepidoptera | Noctuidae     | chameleon caterpillar                  | coniferous                           | C      |
| <i>normaniana</i> (Grt.)   | Lepidoptera | Noctuidae     | cutworm                                | plantain                             | C      |
| <i>perquiritata</i> (Morr.)  | Lepidoptera | Noctuidae     | gray spruce cutworm                    | coniferous                           | C      |
| <i>smithii</i> (Snell.)  | Lepidoptera | Noctuidae     | cutworm                                | general feeder                       | C      |
| <b>Xyela</b>   |             |               |  |                                      |        |
| <i>minor</i> Nort.   | Hymenoptera | Xyelidae      | pine flower sawfly                     | pine flowers                         | C      |
| <b>Xylena</b>  |             |               |  |                                      |        |
| <i>cineritia</i> (Grt.)  | Lepidoptera | Noctuidae     | swordgrass moth                        | deciduous                            | C      |
| <i>curvimacula</i> (Morr.)   | Lepidoptera | Noctuidae     | dot-and-dash swordgrass moth           | deciduous                            | C      |
| <i>nupera</i> (Lint.)  | Lepidoptera | Noctuidae     | red swordgrass moth                    | deciduous                            | C      |
| <b>Xylococcus</b>  |             |               |  |                                      |        |
| <i>betulae</i> (Perg.)   | Homoptera   | Coccidae      | birch margarodid                       | birch                                | C      |

| Scientific name   | Order       | Family                           | Common name                     | Main host plant(s)<br>or insect type | Rating |
|---|-------------|----------------------------------|---------------------------------|--------------------------------------|--------|
| <b><i>Xylomyges</i> see <i>Egira</i></b>  |             |                                  |                                 |                                      |        |
| <b><i>Xylotrechus</i></b>   |             |                                  |                                 |                                      |        |
| <i>aceris</i> Fisher  | Coleoptera  | Cerambycidae                     | gallmaking maple borer          | maple                                | C      |
| <i>colonus</i> (Fab.)   | Coleoptera  | Cerambycidae                     | rustic borer                    | deciduous                            | C      |
| <i>sagittatus</i> (Germ.)   | Coleoptera  | Cerambycidae                     | wood borer                      | coniferous                           | C      |
| <i>undulatus</i> (Say)  | Coleoptera  | Cerambycidae                     | spruce zebra beetle             | coniferous                           | C      |
| <b><i>Yponomeuta</i></b>  |             |                                  |                                 |                                      |        |
| <i>euonymella</i> Cham.<br>(= <i>cagnagella</i> Hbn.)                           | Lepidoptera | Yponomeutidae                    | euonymus webworm                | euonymus                             | C      |
| <i>multipunctella</i> Clem.   | Lepidoptera | Yponomeutidae                    | euonymus moth                   | euonymus                             | C      |
| <b><i>Ypsolopha</i> (= <i>Trachoma</i>)</b>                                     |             |                                  |                                 |                                      |        |
| <i>dentella</i> (F.)  | Lepidoptera | Plutellidae                      | European honeysuckle leafroller | honeysuckle                          | C      |
| <i>falciferella</i> (Wlsm.)   | Lepidoptera | Plutellidae                      | fruit tree leafroller           | fruit trees                          | C      |
| <b><i>Zale</i></b>  |             |                                  |                                 |                                      |        |
| <i>aeruginosa</i> (Gn.)   | Lepidoptera | Noctuidae                        | large false looper              | jack pine                            | C      |
| <i>d. duplicata</i> (Beth.)   | Lepidoptera | Noctuidae                        | pine zale                       | pine                                 | C      |
| <i>duplicata largera</i> (Sm.)  | Lepidoptera | Noctuidae                        | pine false looper               | pine                                 | C      |
| <i>galbanata</i> (Morr.)  | Lepidoptera | Noctuidae                        | maple false looper              | maple                                | C      |
| <i>helata</i> (Sm.)   | Lepidoptera | Noctuidae                        | white pine false looper         | pine                                 | C      |
| <i>horrida</i> Hbn.   | Lepidoptera | Noctuidae                        | large false looper              | unknown                              | C      |
| <i>lunifera</i> (Hbn.)  | Lepidoptera | Noctuidae                        | pine false looper               | pine                                 | C      |
| <i>metatoides</i> McD.  | Lepidoptera | Noctuidae                        | jack pine false looper          | jack pine                            | C      |
| <i>m. minerea</i> (Gn.)   | Lepidoptera | Noctuidae                        | large false looper              | deciduous                            | C      |
| <i>minerea norda</i> (Sm.)  | Lepidoptera | Noctuidae                        | large false looper              | deciduous                            | C      |
| <i>obliqua</i> (Gn.)  | Lepidoptera | Noctuidae                        | jack pine false looper          | pine                                 | C      |
| <i>squamularis</i> (Drury)  | Lepidoptera | Noctuidae                        | large false looper              | pine                                 | C      |
| <i>submediana</i> Strand  | Lepidoptera | Noctuidae                        | pine false looper               | pine                                 | C      |
| <i>undularis</i> (Drury)  | Lepidoptera | Noctuidae                        | locust false looper             | locust                               | C      |
| <i>unilineata</i> (Grt.)  | Lepidoptera | Noctuidae                        | large false looper              | unknown, probably locust             | C      |
| <b><i>Zanclognatha</i></b>  |             |                                  |                                 |                                      |        |
| <i>cruralis</i> (Gn.)   | Lepidoptera | Noctuidae                        | owlet moth                      | unknown                              | C      |
| <i>jacchusalis</i> (Wlk.)   | Lepidoptera | Noctuidae                        | owlet moth                      | unknown                              | C      |
| <i>laevigata</i> (Grt.)   | Lepidoptera | Noctuidae                        | owlet moth                      | yellow birch                         | C      |
| <i>minoralis</i> Sm.  | Lepidoptera | Noctuidae                        | owlet moth                      | spruce, balsam fir                   | C      |
| <i>protumnusalis</i> (Wlk.)   | Lepidoptera | Noctuidae                        | owlet moth                      | coniferous                           | C      |
| <i>theralis</i> (Wlk.)  | Lepidoptera | Noctuidae                        | owlet moth                      | unknown                              | C      |
| <b><i>Zaraea</i></b>  |             |                                  |                                 |                                      |        |
| <i>americana</i> Cress.   | Hymenoptera | Cimbicidae                       | sawfly                          | deciduous                            | C      |
| <i>inflata</i> Nort.  | Hymenoptera | Cimbicidae                       | honeysuckle sawfly              | honeysuckle                          | C      |
| <b><i>Zeiraphera</i></b>  |             |                                  |                                 |                                      |        |
| <i>canadensis</i> Mut. & Free.<br>(= <i>ratzeburgiana</i> auth.)                | Lepidoptera | Tortricidae<br>(= Olethreutinae) | spruce bud moth                 | spruce                               | B      |
| <i>fortunana</i> (Kft.)   | Lepidoptera | Tortricidae                      | yellow spruce budworm           | spruce                               | C      |
| <i>improbana</i> (Wlk.)<br>[= <i>diniana</i> auth. & <i>destitutana</i> (Wlk.)] | Lepidoptera | Tortricidae                      | larch needleworm                | larch, spruce                        | C      |
| <i>unfortunana</i> Powell   | Lepidoptera | Tortricidae                      | purplestriped shootworm         | white spruce                         | C      |
| <b><i>Zelleria</i></b>  |             |                                  |                                 |                                      |        |
| <i>haimbachi</i> Bsk.   | Lepidoptera | Yponomeutidae                    | pine needle sheathminer         | jack pine                            | C      |
| <b><i>Zelus</i></b>   |             |                                  |                                 |                                      |        |
| <i>tetracanthus</i> Stål<br>(= <i>audax</i> Banks)                              | Heteroptera | Reduviidae                       | assassin bug                    | predator                             | D      |

| Scientific name                  | Order      | Family        | Common name                  | Main host plant(s)<br>or insect type | Rating |
|----------------------------------|------------|---------------|------------------------------|--------------------------------------|--------|
| <b><i>Zeugophora</i></b>         |            |               |                              |                                      |        |
| <b><i>abnormis</i></b> (LeC.)    | Coleoptera | Chrysomelidae | poplar blackmine beetle      | poplar                               | C      |
| <b><i>scutellaris</i></b> Suffr. | Coleoptera | Chrysomelidae | cottonwood leafmining beetle | poplar                               | C      |
| <b><i>varians</i></b> Crotch     | Coleoptera | Chrysomelidae | poplar blackmine beetle      | poplar                               | C      |

## **2. AUTHOR ABBREVIATIONS**





## AUTHOR ABBREVIATIONS

|                 |                        |               |                  |
|-----------------|------------------------|---------------|------------------|
| A. & W. ....    | Aldrich & Webber       | G. & P. ....  | Gory & Percheron |
| Ahr. ....       | Ahrens                 | Gar. ....     | Garman           |
| Ashm. ....      | Ashmead                | Gabl. ....    | Gebler           |
| B. & Bsk. ....  | Barnes & Busck         | Geoff. ....   | Geoffroy         |
| B. & McD. ....  | Barnes & McDunnough    | Germ. ....    | Germar           |
| Bass. ....      | Bassett                | Gey. ....     | Geyer            |
| Bdv. ....       | Boisduval              | Gibs. ....    | Gibson           |
| Beauv. ....     | Palisot de Beauvois    | Gill. ....    | Gillette         |
| Bech. ....      | Bechyné                | Gir. ....     | Giraud           |
| Bechst. ....    | Bechinstein            | G.-M. ....    | Guérin-Méneville |
| Beth. ....      | Bethune                | Gmel. ....    | Gmelin           |
| Beut. ....      | Beutenmüller           | Gn. ....      | Guenée           |
| Bonsd. ....     | Bonsdorff              | Godt. ....    | Godart           |
| Brad. ....      | Bradley                | Grt. ....     | Grote            |
| Bsk. ....       | Busck                  | Gyll. ....    | Gyllenhal        |
| Buch. ....      | Buchanan               | H. & B. ....  | Hottes & Bradley |
| Burg. ....      | Burgess                | Hald. ....    | Haldeman         |
| Burm. ....      | Burmeister             | Harr. ....    | Harris           |
| Can. ....       | Canestrini             | Harv. ....    | Harvey           |
| Cast. ....      | Castelnau Laporte      | Hausm. ....   | Hausmann         |
| Cham. ....      | Chambers               | Haw. ....     | Haworth          |
| Cholodk. ....   | Cholodkovsky           | Hbn. ....     | Hübner           |
| Ckll. ....      | Cockerell              | Hbst. ....    | Herbst           |
| Cl. ....        | Clerck                 | Heid. ....    | Heidemann        |
| Clem. ....      | Clemens                | Heinr. ....   | Heinrich         |
| Comst. ....     | Comstock               | Hgtn. ....    | Harrington       |
| Coq. ....       | Coquillett             | Hlst. ....    | Hulst            |
| Cram. ....      | Cramer                 | Hodg. ....    | Hodgkiss         |
| Cress. ....     | Cresson                | Hopk. ....    | Hopkins          |
| Curt. ....      | Curtis                 | H.-S. ....    | Herrich-Schäffer |
| Cwfd. ....      | Crawford               | Htg. ....     | Hartig           |
| D. & S. ....    | Denis & Schiffermüller | Hud. ....     | Hudson           |
| Dall. ....      | Dallas                 | Hufn. ....    | Hufnagel         |
| Dav. ....       | Davidson               | Hy. Edw. .... | Edwards, Henry   |
| Dbly. ....      | Doubleday              | Ill. ....     | Illiger          |
| DeG. ....       | DeGeer                 | Jac. ....     | Jacobi           |
| Dej. ....       | Dejean                 | Johns. ....   | Johnson          |
| D.T. ....       | Dalla Torre            | Jur. ....     | Jurine           |
| Dup. ....       | Duponchel              | Kby. ....     | Kirby            |
| Duv. ....       | Jacquelin-Duval        | Keif. ....    | Keifer           |
| Edw. ....       | Edwards                | Kell. ....    | Kellicott        |
| Eich. ....      | Eichhoff               | Kess. ....    | Kessler          |
| Emm. ....       | Emmons                 | Kft. ....     | Kearfott         |
| Engelh. ....    | Engelhardt             | Kinc. ....    | Kincaid          |
| Er. ....        | Erichson               | Kltb. ....    | Kaltenbach       |
| Esch. ....      | Eschscholtz            | Kol. ....     | Kollar           |
| Esp. ....       | Esper                  | L. ....       | Linnaeus         |
| F. ....         | Fabricius              | Laich. ....   | Laicharting      |
| F. & B. ....    | Frey & Boll            | LeB. ....     | LeBaron          |
| Fall. ....      | Fallen                 | LeC. ....     | LeConte          |
| Fbs. ....       | Forbes                 | Led. ....     | Lederer          |
| Fern. ....      | Fernald                | Lep. ....     | Lepelletier      |
| Fgn. ....       | Ferguson               | Lien. ....    | Lienig           |
| Först. ....     | Förster                | Linding. .... | Lindinger        |
| Forst. ....     | Forster, J. R.         | Lint. ....    | Lintner          |
| Franc. ....     | Franclemont            | Lug. ....     | Lugger           |
| Free. ....      | Freeman                | MacG. ....    | MacGillivray     |
| Frö. ....       | Frölich                | MacK. ....    | MacKay           |
| F.X. Wlms. .... | Williams, F. X.        | Mall. ....    | Malloch          |

|                   |                     |                 |                    |
|-------------------|---------------------|-----------------|--------------------|
| Mann. ....        | Mannerheim          | Ratz. ....      | Ratzeburg          |
| Marc. ....        | Marcovitch          | Rich. ....      | Richards           |
| Marl. ....        | Marlatt             | Rob. ....       | Robinson           |
| Marsh. ....       | Marsham             | Roh. ....       | Rohwer             |
| Max. ....         | Maxson              | Rott. ....      | Rottemburg         |
| McD. ....         | McDunnough          | S. & D. ....    | Syme & Davies      |
| McG. ....         | McGregor            | Schaeff. ....   | Schaeffer          |
| McP. ....         | McPherson           | Schn. ....      | Schneider          |
| Melsh. ....       | Melsheimer          | Schönh. ....    | Schönherr          |
| Meyr. ....        | Meyrick             | Schr. ....      | Schrank            |
| Mich. ....        | Michener            | Schw. ....      | Schwarz            |
| Midd. ....        | Middleton           | Scop. ....      | Scopoli            |
| Middlek. ....     | Middlekauff         | Scudd. ....     | Scudder            |
| Mod. ....         | Modeer              | Sm. ....        | Smith, J. B.       |
| Morr. ....        | Morrison            | Snell. ....     | Snellen            |
| Mösch. ....       | Möschler            | Steph. ....     | Stephens           |
| Muls. ....        | Mulsant             | Stkr. ....      | Strecker           |
| Mun. ....         | Munroe              | Suffr. ....     | Suffrian           |
| Murt. ....        | Murtfeldt           | Sund. ....      | Sundevall          |
| Mut. ....         | Mutuura             | Sw. ....        | Swaine             |
| N. & D. ....      | Neumoegen & Dyar    | Swed. ....      | Swederus           |
| N. & W. ....      | Nicolay & Weiss     | Tausch. ....    | Tauscher           |
| Nal. ....         | Nalepa              | T.A. Wlms. .... | Williams, T. A.    |
| Newm. ....        | Newman              | Tayl. ....      | Taylor             |
| Nort. ....        | Norton              | Thoms. ....     | Thomson            |
| Notm. ....        | Notman              | Thos. ....      | Thomas             |
| O. & D. ....      | Osborn & Drake      | Thunb. ....     | Thunberg           |
| Obr. ....         | Obraztsov           | Timb. ....      | Timberlake         |
| Ochs. ....        | Ochsenheimer        | Tisch. ....     | Tischbein          |
| Oestl. ....       | Oestlund            | Towns. ....     | Townsend           |
| O.F. Müll. ....   | Müller, Otto F.     | Tr. ....        | Treitschke         |
| Oliv. ....        | Olivier             | Uhl. ....       | Uhler              |
| O.S. ....         | Osten Sacken        | Vall. ....      | Vallot             |
| Ottol. ....       | Ottolengui          | Vier. ....      | Viereck            |
| P. & M. ....      | Pettit & McDaniel   | Vill. ....      | Villers            |
| P. & T. ....      | Pepper & Tissot     | Vock. ....      | Vockeroth          |
| Pack. ....        | Packard             | Voll. ....      | Vollenhoven        |
| Palm. ....        | Palmer              | W. & R. ....    | Wong & Ross        |
| Panz. ....        | Panzer              | W. & S. ....    | Wilkinson & Scoble |
| Park. ....        | Parker              | Web. ....       | Weber              |
| Parsh. ....       | Parshley            | Westw. ....     | Westwood           |
| Payk. ....        | Paykull             | Wied. ....      | Wiedemann          |
| Pears. ....       | Pearsall            | Wils. ....      | Wilson             |
| Perg. ....        | Pergande            | Wik. ....       | Walker             |
| Prov. ....        | Provancher          | Wlsm. ....      | Walsingham         |
| P.W.J. Müll. .... | Müller, P. W. J.    | Zell. ....      | Zeller             |
| R. & J. ....      | Rothschild & Jordan | Zett. ....      | Zetterstedt        |
| Rag. ....         | Ragonot             | Ziegl. ....     | Ziegler            |
| Rand. ....        | Randall             | Zimm. ....      | Zimmerman          |
| Rathv. ....       | Rathvon             |                 |                    |

### **3. SELECTED BIBLIOGRAPHY**



## SELECTED BIBLIOGRAPHY

- Arnett, R.H. Jr. 1963. The beetles of the United States (A manual for identification). The Catholic University of America Press, Wash., D.C. 1112 p.
- Baker, W.L. 1972. Eastern forest insects. USDA For Serv., Misc. Publ. No. 1175. 642 p.
- Belton, E.M., Ed. and Comp. 1985. English common names of insects and other pests (preliminary, unpublished). Insect Common Names Committee, Ent. Soc. Can. 100 p.
- Benoit, P., Ed. and Comp. 1985. Nomenclatura insectorum canadensium. Que. Soc. Prot. Plants/Laurentian For. Centre, Can. For. Serv., Ste. Foy, Que. 214 p.
- Borror, D.J., Delong, D.M. and Triplehorn, C.A. 1976. An introduction to the study of insects. 4th ed. Holt, Rinehart and Winston, Toronto, Ont. 852 p.
- Bousquet, Yves. 1991. Checklist of beetles of Canada and Alaska. Research Branch, Agriculture Canada, Publication 1861/E. 430 p.
- Bright, D.E. Jr. 1976. The insects and arachnids of Canada, Part 2. The bark beetles of Canada and Alaska. Biosystematics Res. Inst., Can. Dep. Agric., Ottawa, Ont. 241 p.
- Covell, C.V. Jr. 1984. A field guide to the moths of eastern North America. Houghton Mifflin Co., Boston, Mass. 496 p.
- Davidson, A.G., Comp. 1980. Insect catalogue. Forest Insect and Disease Survey. Dep. Environ., Can. For. Serv., Ottawa, Ont. Unpubl. Cat. 304 p.
- Dillon, E.S. and Dillon, L.S. 1961. A manual of common beetles of eastern North America. Row, Peterson and Co., Evanston, Ill., Elmsford, N.Y. 884 p.
- Dominick, R.B., Dominick, T., Ferguson, D.C., Franclemont, J.G., Hodges, R.W. and Monroe, E.G., Ed. 1971. The moths of America north of Mexico including Greenland. E.W. Classey Ltd. and The Wedge Entomological Research Foundation, London, England. (13 fascicles to date).
- Drooze, A.T. 1985. Insects of eastern forests. USDA For. Serv., Misc. Publ. No. 1426. 608 p.
- Eastop, V.F. and Hille Ris Lambers, D. 1976. Survey of the world's aphids. Dr. W. Junk b.v., The Hague. 573. p.
- Felt, E.P. 1940. Plant galls and gall makers. Comstock Publ. Co. Inc., Ithaca, N.Y. 364 p.
- Forbes, W.T.M. 1923. The Lepidoptera of New York and neighboring states. Cornell Univ. Agric. Exp. Stn., Mem. 68. 729 p.
- Forbes, W.T.M. 1948. Lepidoptera of New York and neighboring states, Part II. Cornell Univ. Agric. Exp. Stn., Mem. 274. 263 p.
- Forbes, W.T.M. 1954. Lepidoptera of New York and neighboring states, Part III. Cornell Univ. Agric. Exp. Stn., Mem. 329. 433 p.
- Forbes, W.T.M. 1960. Lepidoptera of New York and neighboring states, Part IV. Cornell Univ. Agric. Exp. Stn., Mem. 371. 188 p.
- Hedlin, A.F., Yates, H.O. III, Tovar, D.C., Ebel, B.H., Koerber, T.W. and Merkel, E.P. 1980. Cone and seed insects of North American conifers. Dep. Environ., Can. For. Serv., Ottawa, Ont. 122 p.
- Hodges, R.W., Dominick, T., Davis, D.R., Ferguson, D.C., Franclemont, J.G., Munroe, E.G. and Powell, J.A., eds. 1983. Checklist of the lepidoptera of America north of Mexico including Greenland. E.W. Classey Ltd. and The Wedge Entomological Research Foundation, London, England.
- Holland, W.J. 1968. The moth book. Dover Publ. Inc., New York, N.Y. 479 p.
- Howe, W.H., Ed. 1975. The butterflies of North America. Doubleday and Co. Inc., Garden City, N.Y. 633 p.
- Keifer, H.H., Baker, E.W., Kono, T., Delfinado, M., and Styer, W.E. 1982. An illustrated guide to plant abnormalities caused by eriophyid mites in North America. USDA, Agric. Handb. No. 573. 178 p.
- Klots, A.B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, Mass. 349 p.
- Krombein, K.V., Hurd, P.D. Jr., Smith, D.R. and Burks, B.D. 1979. Catalog of hymenoptera in America north of Mexico, Smithsonian Inst. Press, Washington, D.C. 3 vol. 2735 p.
- Leng, C.W. 1920. Catalogue of the coleoptera of America, north of Mexico. The Cosmos Press, Cambridge, Mass. 470 p.
- Lutz, F.E. 1935. Field book of insects. G.P. Putman's Sons, New York. 510 p.
- McAlpine, J.F., Peterson, B.V., Shewell, G.E., Teskey, H.J., Vockeroth, J.R. and Wood, D.M. 1981. Manual of nearctic diptera, Vol. 1, Res. Br., Agric. Can. Mon. No.27. 674 p.

- McGugan, B.M., Comp. 1958. Forest lepidoptera of Canada, Vol. 1. Dep. Agric., For. Biol. Div., Ottawa, Ont., Publ. 1034. 76 p.
- O'Brien, C.W. and Wibmer, C.J. 1982. Annotated checklist of the weevils (Curculionidae sensu lato) of North America, Central America and the West Indies (Coleoptera: Curculionidae). Mem. Am. Ent. Inst. No. 34. 382 p.
- Prentice, R.M., Comp. 1962. Forest lepidoptera of Canada, Vol. 2. Gov't of Can., Dep. For., Bull. 128. p. 77-281.
- Prentice, R.M., Comp. 1963. Forest lepidoptera of Canada, Vol. 3. Gov't of Can., Dep. For., Publ. 1013. p. 282-543.
- Prentice, R.M., Comp. 1965. Forest lepidoptera of Canada, Vol. 4. Gov't of Can., Dep. For., Publ. 1142. p. 544-840.
- Rose, A.H. and Lindquist, O.H. 1980. Insects of eastern larch, cedar and juniper. Dep. Environ., Can. For. Serv., Ottawa, Ont., For. Tech. Rep. 28. 100 p.
- Rose, A.H. and Lindquist, O.H. 1982. Insects of eastern hardwood trees. Dep. Environ., Can. For. Serv., Ottawa, Ont., For. Tech. Rep. 29. 304 p.
- Rose, A.H. and Lindquist, O.H. 1984. Insects of eastern pines, 2nd ed. Dep. Environ., Can. For. Serv., Ottawa, Ont., Publ. 1313. 127 p.
- Rose, A.H. and Lindquist, O.H. 1985. Insects of eastern spruces, fir and hemlock, 2nd ed. Dep. Environ., Can. For. Serv., Ottawa, Ont. For. Tech. Rep. 23. 159 p.
- Stone, A., Sabrosky, C.W., Wirth, W.W., Foote, R.H. and Coulson, J.R. 1965. A catalog of the diptera of America north of Mexico. USDA, Agric. Handb. No. 276. 1696 p.
- Titus, F.A., Meikle, O.A. and Harrison, K.J. 1985. Scientific and common names of insects and mites of interest in the Maritime Provinces. Gov't of Can., Can. For. Serv., Fredericton, N.B. Inf. Rep. M-X-155. 130 p.
- Werner, F.G., Chairman. 1982. Common names of insects and related organisms 1982. Ent. Soc. Am., Comm. on Common Names of Insects. 132 p.

## **4. INDEX OF COMMON NAMES**





## INDEX OF COMMON NAMES

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| adelgid, pale spruce gall      | 8          | aphid, giant willow              | 69 | aspen caterpillar, lined black      | 29                             |
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| adelgid, pine leaf             | 56         | aphid, jack pine                 | 21 | aspen leaf beetle                   | 21                             |
| adelgid, ragged spruce gall    | 56         | aphid, jack pine needle          | 21 | aspen leaf mite                     | 6                              |
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| agromyzid leafminer, elm       | 9          | aphid, poplar                    | 61 | aspen leafroller, paleheaded        | 10                             |
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| alder aphid, woolly            | 59         | aphid, poplar petiolegall        | 53 | aspen leaftier, yellowheaded        | 30                             |
| alder budgall midge            | 26         | aphid, poplar vagabond           | 47 | aspen looper, twolined              | 43                             |
| alder budminer                 | 30         | aphid, powdery pine needle       | 32 | aspen petiole miner                 | 29                             |
| alder caterpillar              | 43         | aphid, purse leaf gall           | 67 | aspen serpentine leafminer          | 55                             |
| alder catkin moth              | 30         | aphid, red pine                  | 21 | aspen skeletonizer                  | 55                             |
| alder dagger moth              | 7          | aphid, Scots pine                | 21 | aspen tortrix, large                | 20                             |
| alder flea beetle              | 9          | aphid, smokeywinged poplar       | 19 | aspen treehopper                    | 67                             |
| alder lace bug                 | 24         | aphid, snowball                  | 19 | aspen twoleaf tier                  | 30                             |
| alder leaf beetle              | 16, 21     | aphid, spotted black pine needle | 32 | aspen webworm                       | 57                             |
| alder leaf beetle, brown       | 69         | aphid, spotted poplar            | 12 | aspen webworm, lesser               | 46                             |
| alder leaf beetle, russet      | 16         | aphid, spruce                    | 21 | assassin bug                        | 6, 71                          |
| alder leafblotch miner         | 55         | aphid, sumac                     | 46 | assassin bug, spined                | 64                             |
| alder leaffolder               | 11         | aphid, white pine                | 21 | aster cutworm                       | 25                             |
| alder leafminer                | 17         | aphid, willow                    | 19 | aster micro moth                    | 28                             |
| alder leafminer, European      | 34         | aphid, witch-hazel conegall      | 38 | axis midge, spruce cone             | 41                             |
| alder leafroller               | 6, 30, 60  | aphid, witch hazel gall          | 36 | azalea sphinx                       | 26                             |
| alder leaftier                 | 36, 47     | aphid, woolly alder              | 59 | azure, spring                       | 19                             |
| alder looper                   | 33, 38, 70 | aphid, woolly apple              | 31 | bagworm                             | 60, 64, 68                     |
| alder rootborer                | 65         | aphid, woolly elm                | 31 | baldfaced hornet                    | 70                             |
| alder sawfly                   | 48         | aphid, woolly hawthorn           | 31 | balsam bark weevil                  | 56                             |
| alder sawfly, striped          | 37         | aphid, woolly pineneedle         | 62 | balsam fir aphid                    | 21                             |
| alder sawfly, woolly           | 31         | aphid, yellow birch              | 31 | balsam fir bark beetle              | 56                             |
| alder spittlebug               | 22         | aphrodite fritillary             | 65 | balsam fir sawfly                   | 48                             |
| alder stem borer               | 62         | apple-and-thorn skeletonizer     | 20 | balsam fir sawyer                   | 47                             |
| alder tubemaker                | 7          | applegall sawfly, willow         | 58 | balsam fir seed chalcid             | 45                             |
| alderfly                       | 64         | appleleaf trumpet miner          | 68 | balsam fir tipminer                 | 13                             |
| alfalfa caterpillar            | 23         | appletree borer, flatheaded      | 20 | balsam fir weevil                   | 56                             |
| ambermarked birch leafminer    | 59         | appletree borer, roundheaded     | 62 | balsam gall midge                   | 52                             |
| ambrosia beetle, birch         | 69         | appleworm, lesser                | 36 | balsam gall midge, introduced false | 26                             |
| ambrosia beetle, conifer       | 69         | apple aphid                      | 12 | balsam poplar leaf beetle           | 21                             |
| ambrosia beetle, pitted        | 24         | apple aphid, woolly              | 31 | balsam poplar leafblotch miner      | 55                             |
| ambrosia beetle, poplar        | 69         | apple bud moth, tufted           | 57 | balsam poplar petiole miner         | 29                             |
| ambrosia beetle, striped       | 69         | apple flea weevil                | 62 | balsam shootboring sawfly           | 57                             |
| amelanchier twig borer         | 56         | apple leafblotch miner           | 55 | balsam twig aphid                   | 47                             |
| American aspen beetle          | 35         | apple leafroller, pale           | 60 | balsam woolly adelgid               | 8                              |
| American copper                | 43         | apple sphinx                     | 65 | banasa stink bug                    | 14                             |
| American dagger moth           | 7          | apple wasp, spotted oak          | 14 | banded ash looper, transverse       | 38                             |
| American painted beauty        | 69         | arborvitae leafminer             | 13 | banded hairstreak                   | 62                             |
| American willow leaf beetle    | 55         | arctiid moth                     | 38 | banded horntail                     | 69                             |
| angulated cutworm              | 66         | argid, willow                    | 13 | banded jack pine needleminer        | 23                             |
| ant, black carpenter           | 18         | argus tortoise beetle            | 20 | banded woollybear                   | 61                             |
| ant, boreal carpenter          | 18         | army cutworm, black              | 7  | bark adelgid, pine                  | 56                             |
| ant, red and black carpenter   | 18         | armyworm                         | 60 | bark beetle                         | 25, 28, 38, 39, 40, 44, 51, 56 |
| aphid, apple                   | 12         | armyworm, garden                 | 44 | bark beetle, balsam fir             | 56                             |
| aphid, aspen                   | 51         | ash borer                        | 58 | bark beetle, birch                  | 28                             |
| aphid, balsam fir              | 21         | ash borer, emerald               | 8  | bark beetle, European elm           | 63                             |
| aphid, balsam twig             | 47         | ash borer, redheaded             | 48 | bark beetle, foureyed spruce        | 58                             |
| aphid, beech blight            | 34         | ash flower gall mite             | 6  | bark beetle, hickory                | 20, 63                         |
| aphid, birch                   | 19         | ash leafroller                   | 52 | bark beetle, native elm             | 39                             |
| aphid, black cherry            | 47         | ash looper, transverse banded    | 38 | bark beetle, northern cedar         | 54                             |
|                                |            | ash midribgall midge             | 23 | bark beetle, peach                  | 54                             |
|                                |            | ash sawfly, blackheaded          | 67 | bark beetle, spruce                 | 54, 63                         |
|                                |            | ash sawfly, brownheaded          | 68 |                                     |                                |

|                               |                                |                              |   |                                |            |
|-------------------------------|--------------------------------|------------------------------|---|--------------------------------|------------|
| bark beetle, sumac            | 56                             | beetle, elm leaf             | 70  | beetle, spotted willow leaf    | 21         |
| bark borer, linden            | 35                             | beetle, European elm bark    | 63  | beetle, spruce                 | 27         |
| bark borer, pine              | 56                             | beetle, European snout       | 55  | beetle, spruce bark            | 54, 63     |
| barkminer, white pine         | 45                             | beetle, eyed click           | 9   | beetle, spruce zebra           | 71         |
| bark moth, pine               | 54                             | beetle, eyespotted lady      | 10  | beetle, stag                   | 43, 57     |
| bark weevil                   | 56                             | beetle, false flower         | 26  | beetle, stink                  | 49         |
| bark weevil, balsam           | 56                             | beetle, false leptura        | 19  | beetle, striped ambrosia       | 69         |
| bark weevil, black elm        | 44                             | beetle, fiftenspotted lady   | 10  | beetle, striped willow leaf    | 28         |
| basket willow gall midge      | 61                             | beetle, flea                 | 9   | beetle, sumac bark             | 56         |
| basswood casebearer           | 23                             | beetle, flower               | 44  | beetle, sumac leaf             | 15         |
| basswood caterpillar          | 29                             | beetle, foureyed spruce bark | 58  | beetle, tenspotted leaf        | 70         |
| basswood lace bug             | 34                             | beetle, fourspotted sap      | 35  | beetle, thirteenspotted lady   | 37         |
| basswood leaf beetle          | 16                             | beetle, fourteenspotted lady | 17  | beetle, threebanded lady       | 22         |
| basswood leafminer            | 14                             | beetle, furniture            | 11  | beetle, threespotted click     | 25         |
| basswood leafroller           | 50, 52                         | beetle, goldsmith            | 24  | beetle, tiger                  | 21         |
| basswood micro moth           | 48                             | beetle, grape flea           | 9   | beetle, tiny aspen flea        | 24         |
| basswood owlet moth           | 15                             | beetle, gray willow leaf     | 69  | beetle, transverse lady        | 22         |
| basswood roundblotch miner    | 55                             | beetle, green click          | 25  | beetle, twicestabbed lady      | 20         |
| basswood seed moth            | 54                             | beetle, green longhorned     | 12  | beetle, twospotted click       | 25         |
| basswood squareblotch miner   | 55                             | beetle, green tortoise       | 18  | beetle, twospotted lady        | 8          |
| basswood thrips               | 64                             | beetle, ground               | 9, 17, 57, 61   | beetle, waterlily leaf         | 34         |
| basswood thrips, introduced   | 67                             | beetle, hairy leaf           | 35  | beetle, white pine cone        | 23         |
| beaked gall midge, willow     | 45                             | beetle, hazel leaf           | 16  | beetle, willow-and-poplar leaf | 21         |
| bearer, filament              | 47                             | beetle, hickory bark         | 20, 63  | beetle, willow flea            | 9          |
| bearer, resplendent shield    | 23                             | beetle, hister               | 26  | beetle, willow leaf            | 16, 35, 69 |
| beautiful wood nymph          | 32                             | beetle, imported willow leaf | 56  | big poplar sphinx              | 51         |
| beauty, American painted      | 69                             | beetle, Japanese             | 58  | birch "witches'-broom" mite    | 19         |
| beauty, oak                   | 47                             | beetle, June                 | 55  | birch ambrosia beetle          | 69         |
| bedstraw sphinx               | 38                             | beetle, lady                 | 15, 16, 22, 25, 27, 37, 39, 47, 60                        | birch-and-alder caterpillar    | 60         |
| beech blight aphid            | 34                             |                              |   | birch-and-alder leaf-tier      | 15         |
| beech caterpillar             | 26                             | beetle, larder               | 27  | birch and alder flea weevil    | 62         |
| beech scale                   | 25                             | beetle, leaf                 | 15, 25, 27, 34, 51, 55, 57                                | birch aphid                    | 19         |
| beetle                        | 9                              |                              |   | birch aphid, dark              | 66         |
| beetle, alder flea            | 9                              | beetle, leafmining           | 15  | birch aphid, European          | 31         |
| beetle, alder leaf            | 16, 21                         | beetle, lesser June          | 55  | birch aphid, yellow            | 31         |
| beetle, American aspen        | 35                             | beetle, little brown click   | 8   | birch bark beetle              | 28         |
| beetle, American willow leaf  | 55                             | beetle, lodgepole pine       | 27  | birch borer, bronze            | 8          |
| beetle, argus tortoise        | 20                             | beetle, longhorned           | 7, 10, 16, 24, 33, 35, 36, 41, 42, 46, 61, 62, 66, 68, 69 | birch budgall mite             | 6          |
| beetle, ashgray blister       | 30                             |                              |   | birch cambium miner            | 56         |
| beetle, asian longhorned      | 11                             | beetle, marsh                | 63  | birch casebearer               | 23         |
| beetle, aspen leaf            | 21                             | beetle, meadowsweet leaf     | 69  | birch casebearer, lesser       | 22         |
| beetle, balsam fir bark       | 56                             | beetle, metallic             | 14  | birch caterpillar              | 53         |
| beetle, balsam poplar leaf    | 21                             | beetle, milkweed leaf        | 41  | birch caterpillar, masked      | 28         |
| beetle, bark                  | 25, 28, 38, 39, 40, 44, 51, 56 | beetle, Minnesota longhorn   | 69  | birch caterpillar, warty       | 28         |
|                               |                                | beetle, mottled longhorned   | 12  | birch catkin bug               | 41         |
| beetle, basswood leaf         | 16                             | beetle, native elm bark      | 39  | birch catkin moth              | 31         |
| beetle, birch ambrosia        | 69                             | beetle, netwinged            | 28  | birch catkin weevil            | 12         |
| beetle, birch bark            | 28                             | beetle, ninespotted lady     | 22  | birch dagger moth              | 7          |
| beetle, birch leaf            | 16, 55                         | beetle, northern cedar bark  | 54  | birch ermine moth              | 13         |
| beetle, black fire            | 51                             | beetle, northern June        | 55  | birch lace bug                 | 24         |
| beetle, blister               | 46                             | beetle, peach bark           | 54  | birch leaf beetle              | 16, 55     |
| beetle, brown alder leaf      | 69                             | beetle, pill                 | 26  | birch leaf edgeminer           | 63         |
| beetle, brown willow leaf     | 69                             | beetle, pine lady            | 47  | birch leaf edgeminer, early    | 46         |
| beetle, bumble flower         | 32                             | beetle, pine shoot           | 68  | birch leaf edgeminer, late     | 37         |
| beetle, buttercup oil         | 46                             | beetle, pitted ambrosia      | 24  | birch leafblotch miner         | 17         |
| beetle, checkered             | 67                             | beetle, pitted longhorned    | 13  | birch leafroller, blackheaded  | 6          |
| beetle, cherry leaf           | 69                             | beetle, poplar ambrosia      | 69  | birch leafroller, yellow       | 11         |
| beetle, claycolored leaf      | 11                             | beetle, poplar blackmine     | 72  | birch leafminer                | 34         |
| beetle, click                 | 8, 10, 25, 26, 42, 46          | beetle, poplar flea          | 9   | birch leafminer, ambermarked   | 59         |
| beetle, combclawed            | 11, 39, 40                     | beetle, red flour            | 68  | birch leafminer, small         | 29         |
| beetle, common June           | 55                             | beetle, red pine cone        | 23  | birch leafroller               | 6, 17, 34  |
| beetle, confused flour        | 68                             | beetle, red turpentine       | 27  | birch leafroller, solitary     | 6          |
| beetle, conifer ambrosia      | 69                             | beetle, rose flea            | 9   | birch leaf-tier, blackdotted   | 49         |
| beetle, convergent lady       | 37                             | beetle, roughened darkling   | 69  | birch looper                   | 38, 57     |
| beetle, cottonwood leaf       | 21                             | beetle, rugose June          | 55  | birch margarodid               | 70         |
| beetle, cottonwood leafmining | 72                             | beetle, russet alder leaf    | 16  | birch micro moth               | 53, 66     |
| beetle, dark blister          | 30                             | beetle, rusty leaf           | 66  | birch psyllid                  | 16         |
| beetle, deathwatch            | 61, 63                         | beetle, sap                  | 35  | birch pyralid, striped         | 51         |
| beetle, dogbane               | 20                             | beetle, Say blister          | 44  | birch sawfly                   | 13, 48, 59 |
| beetle, dogwood flea          | 9                              | beetle, scarab               | 12, 32, 35, 38, 51, 64, 68                                | birch sawfly, dusky            | 24         |
| beetle, dogwood leaf          | 16                             |                              |   | birch sawfly, fringed          | 28         |
| beetle, eastern larch         | 27                             | beetle, sevenspotted lady    | 22  | birch sawfly, giant            | 68         |
| beetle, elevenspotted lady    | 22                             | beetle, soldier              | 58  | birch shootworm                | 31         |
| beetle, elm flea              | 9                              |                              |   | birch skeletonizer             | 16         |

|                                |               |                               |        |                              |                |
|--------------------------------|---------------|-------------------------------|--------|------------------------------|----------------|
| birch tubemaker                | 7             | borer, Harris' flatheaded     | 20     | brown willow leaf beetle     | 69             |
| birch-aspen leafroller         | 30            | borer, hickory bud-and-shoot  | 7      | brownheaded ash sawfly       | 68             |
| black and red horntail         | 69            | borer, hickory shoot          | 7      | browntail moth               | 33             |
| black army cutworm             | 7             | borer, hickory twig           | 11     | Bruce spanworm               | 50             |
| black aspen caterpillar, lined | 29            | borer, jack pine shoot        | 62     | bruce spanworm, false        | 40             |
| black carpenter ant            | 18            | borer, larger shothole        | 63     | bud-and-shoot borer, hickory | 7              |
| black cherry aphid             | 47            | borer, leafstem               | 7      | bud midge, spruce            | 26             |
| black cutworm                  | 9             | borer, lesser peachtree       | 66     | bud mite, fir                | 69             |
| black elm bark weevil          | 44            | borer, lilac                  | 58     | bud mite, pine               | 69             |
| black fire beetle              | 51            | borer, linden                 | 62     | bud moth, eyespotted         | 65             |
| black fly                      | 59            | borer, linden bark            | 35     | bud moth, pine               | 34             |
| black fly, whitestockinged     | 64            | borer, locust                 | 45     | bud moth, spruce             | 71             |
| black horntail                 | 69            | borer, locust twig            | 29     | bud moth, tufted apple       | 57             |
| black larch aphid              | 21            | borer, longhorned pine        | 47     | bud scale, spruce            | 56             |
| black locust seed weevil       | 12            | borer, longhorned wood        | 46, 47 | budgall midge, alder         | 26             |
| black moth, spearmarked        | 62            | borer, maple callus           | 66     | budgall midge, boxelder      | 23             |
| black spruce seed cone maggot  | 66            | borer, maple petiole          | 18     | budgall mite, birch          | 6              |
| black spruce tipminer          | 13            | borer, maple shoot            | 59     | budgall mite, poplar         | 6              |
| black swallowtail              | 52            | borer, maple twig             | 59     | budgall wasp, ribbed         | 16             |
| black vine weevil              | 51            | borer, painted hickory        | 45     | budminer, alder              | 30             |
| black willow aphid             | 61            | borer, peachtree              | 66     | budminer, hard maple         | 29             |
| blackberry leafminer           | 46            | borer, pine bark              | 56     | budworm, eastern blackheaded | 6              |
| blackberry looper              | 20            | borer, pine pith              | 56     | budworm, honeysuckle         | 38             |
| blackcheeked aspen caterpillar | 40            | borer, pitch mass             | 66     | budworm, jack pine           | 20             |
| blackdotted birch leaf-tier    | 49            | borer, pith                   | 56     | budworm, rose                | 61             |
| blackheaded ash sawfly         | 67            | borer, poplar                 | 62     | budworm, spruce              | 20             |
| blackheaded birch leaf-folier  | 6             | borer, poplar-and-willow      | 25     | budworm, twispotted          | 36             |
| blackheaded budworm, eastern   | 6             | borer, poplar branch          | 49     | budworm, yellow spruce       | 71             |
| blackheaded jack pine sawfly   | 48            | borer, poplar gall            | 45, 62 | bug, alder lace              | 24             |
| blackmine beetle, poplar       | 72            | borer, raspberry crown        | 53     | bug, assassin                | 6, 71          |
| bladder-gall mite, maple       | 70            | borer, red maple cambium      | 56     | bug, banasa stink            | 14             |
| blight aphid, beech            | 34            | borer, red pine cone          | 31     | bug, basswood lace           | 34             |
| blind-eyed sphinx              | 52            | borer, red pine shoot         | 62     | bug, birch catkin            | 41             |
| blister beetle                 | 46            | borer, redheaded ash          | 48     | bug, birch lace              | 24             |
| blister beetle, ashgray        | 30            | borer, rednecked cane         | 8      | bug, boxelder                | 15             |
| blister beetle, dark           | 30            | borer, redshouldered pine     | 65     | bug, dusky stink             | 33             |
| blister beetle, Say            | 44            | borer, rough flatheaded       | 20     | bug, elm lace                | 24             |
| blister mite, pear leaf        | 31            | borer, roundheaded appletree  | 62     | bug, fourhumped stink        | 16             |
| blossom-gall wasp, woolly      | 17            | borer, rustic                 | 71     | bug, giant water             | 42             |
| blotch-miner, cherry           | 55            | borer, sculptured pine        | 19     | bug, hawthorn lace           | 24             |
| blue horntail                  | 64            | borer, shothole               | 63     | bug, mottled stink           | 29             |
| blue horntail, European        | 64            | borer, sugar maple            | 35     | bug, oak lace                | 24             |
| blueberry false looper         | 66            | borer, threelined flatheaded  | 20     | bug, plant                   | 22             |
| blueberry leaf-tier            | 24            | borer, twolined chestnut      | 8      | bug, redcrossed stink        | 29             |
| blueberry underwing            | 18            | borer, viburnum               | 66     | bug, rough stink             | 16             |
| blueberry webworm              | 58            | borer, white pine cone        | 31     | bug, shieldbacked pine seed  | 67             |
| bollworm                       | 36            | borer, willow                 | 66     | bug, small milkweed          | 43             |
| boreal carpenter ant           | 18            | borer, willow gall limb       | 8      | bug, spined assassin         | 64             |
| borer                          | 52            | borer, wood                   | 71     | bug, spined soldier          | 58             |
| borer, alder stem              | 62            | borer, yellow jack pine shoot | 62     | bug, stink                   | 12, 20, 33, 58 |
| borer, amelanchier twig        | 56            | boxelder aphid                | 54     | bug, sycamore lace           | 24             |
| borer-and-tier, shoot          | 7             | boxelder budgall midge        | 23     | bug, twospotted stink        | 24             |
| borer, ash                     | 58            | boxelder bug                  | 15     | bug, walnut lace             | 24             |
| borer, boxelder twig           | 59            | boxelder leafgall midge       | 23     | bug, willow lace             | 24             |
| borer, bronze birch            | 8             | boxelder leafroller           | 17     | bulletgall aphid, poplar     | 53             |
| borer, bronze poplar           | 8             | boxelder leafroller, larger   | 13     | bumble flower beetle         | 32             |
| borer, burdock                 | 52            | boxelder leafworm             | 20     | buprestid, ventrally-spotted | 16             |
| borer, cedartree               | 63            | boxelder psyllid              | 16     | burdock borer                | 52             |
| borer, cherry shoot            | 13            | boxelder twig borer           | 59     | buttercup oil beetle         | 46             |
| borer, cottonwood crown        | 64            | branch borer, poplar          | 49     | butterfly, hackberry         | 14             |
| borer, cottonwood twig         | 36            | briseis underwing             | 18     | butterfly, monarch           | 26             |
| borer, currant                 | 66            | bristly cutworm               | 41     | butterfly, mourningcloak     | 49             |
| borer, dogwood twig            | 49            | brokenbanded leafroller       | 20     | butternut curculio           | 23             |
| borer, eastern larch           | 67            | bronze birch borer            | 8      | butternut sawfly, woolly     | 31             |
| borer, eastern pine shoot      | 31            | bronze poplar borer           | 8      | buttongall adelgid, hickory  | 55             |
| borer, elm                     | 62            | bronzed cutworm               | 48     | cabbage looper               | 69             |
| borer, emerald ash             | 8             | brown alder leaf beetle       | 69     | cabbagegall midge, willow    | 61             |
| borer, flatheaded appletree    | 20            | brown cedar leafminer         | 23     | cabbageworm, imported        | 56             |
| borer, flatheaded conifer      | 27            | brown click beetle, little    | 8      | calligrapha, elm             | 16             |
| borer, flatheaded hardwood     | 27            | brown fruitworm               | 33     | callus borer, maple          | 66             |
| borer, flatheaded pine         | 19            | brown hemlock needlemineer    | 23     | cambium borer, red maple     | 56             |
| borer, flatheaded poplar       | 27            | brown looper, early           | 32     | cambium miner, birch         | 56             |
| borer, flatheaded wood         | 8, 11, 16, 20 | brown pine looper             | 18     | camouflaged looper           | 66             |
| borer, gallmaking maple        | 71            | brown prionid                 | 51     | Canada darner                | 8              |

|                                 |                        |                                |                       |                                |            |
|---------------------------------|------------------------|--------------------------------|-----------------------|--------------------------------|------------|
| Canadian tiger swallowtail      | 52                     | caterpillar, tufted white pine | 52                    | click beetle, threespotted     | 25         |
| candle moth, pine               | 34                     | caterpillar, uglynest          | 13                    | click beetle, twospotted       | 25         |
| cane borer, rednecked           | 8                      | caterpillar, unicorn           | 62                    | climbing cherry cutworm        | 24         |
| cankerworm, fall                | 9                      | caterpillar, variable          | 61                    | climbing cutworm, spruce       | 66         |
| cankerworm, spring              | 52                     | caterpillar, variable oakleaf  | 43                    | clouded sulphur                | 23         |
| cantharid, Carolina             | 62                     | caterpillar, walnut            | 27                    | clover leaf weevil             | 39         |
| cantharid, twolined             | 10                     | caterpillar, warty birch       | 28                    | clover looper                  | 16         |
| Carolina cantharid              | 62                     | caterpillar, witch-hazel       | 27                    | cloverworm, green              | 57         |
| carpenter ant, black            | 18                     | caterpillar, yellowlined       | 47                    | club gall wasp, white oak      | 16         |
| carpenter ant, boreal           | 18                     | caterpillar, yellowmarked      | 61                    | clustered willow gall midge    | 45         |
| carpenter ant, red and black    | 18                     | caterpillar, yellownecked      | 27                    | coarsewriting engraver         | 40         |
| carpenterworm                   | 59                     | caterpillar, zebra             | 45                    | cockroach, German              | 15         |
| carpenterworm, little           | 59                     | catkin bug, birch              | 41                    | cockroach, Pennsylvania wood   | 53         |
| carpet looper, dark marbled     | 28                     | catkin moth, alder             | 30                    | cockscombgall aphid, elm       | 23         |
| casebearer, basswood            | 23                     | catkin moth, birch             | 31                    | collar weevil, Couper          | 39         |
| casebearer, birch               | 23                     | catkin moth, poplar            | 10                    | collar weevil, pine root       | 39         |
| casebearer, cherry              | 23                     | catkin weevil, birch           | 12                    | collar weevil, Warren root     | 39         |
| casebearer, cigar               | 23                     | catocaline dart                | 25                    | columbian silk moth            | 38         |
| casebearer, elm                 | 22                     | cecropia moth                  | 38                    | combclawed beetle              | 11, 39, 40 |
| casebearer, fruittree           | 22                     | cedar aphid                    | 21                    | comma, gray                    | 58         |
| casebearer, ironwood            | 23                     | cedar bark beetle, northern    | 54                    | comma, green                   | 58         |
| casebearer, larch               | 22                     | cedar leafminer                | 13                    | common green lacewing          | 21         |
| casebearer, lesser birch        | 22                     | cedar leafminer, brown         | 23                    | common June beetle             | 55         |
| casebearer, oak                 | 22, 23                 | cedar looper                   | 63                    | common malaria mosquito        | 11         |
| casebearer, pecan cigar         | 22                     | cedar sawfly                   | 47                    | common sooty wing              | 54         |
| casebearer, pecan leaf          | 7                      | cedartree borer                | 63                    | Compton tortoise-shell         | 49         |
| casebearer, pistol              | 23                     | celery looper                  | 10                    | cone axis midge, spruce        | 41         |
| casebearer, sweetfern leaf      | 7                      | celeryworm                     | 52                    | cone beetle, red pine          | 23         |
| catalpa leafminer               | 56                     | chafer, green rose             | 27                    | cone beetle, white pine        | 23         |
| catalpa sphinx                  | 19                     | chafer, leaf                   | 27                    | cone borer, red pine           | 32         |
| caterpillar, alder              | 43                     | chafer, rose                   | 44                    | cone borer, white pine         | 32         |
| caterpillar, alfalfa            | 23                     | chafer, small leaf             | 64                    | cone gall midge, spruce        | 41         |
| caterpillar, aspen              | 50                     | chainspotted geometer          | 22                    | cone geometer, spruce          | 32         |
| caterpillar, basswood           | 29                     | chalcid, balsam fir seed       | 45                    | cone looper, spruce            | 33         |
| caterpillar, beech              | 26                     | chalcid, larch seed            | 45                    | cone maggot, black spruce seed | 66         |
| caterpillar, birch              | 53                     | chalcid parasite               | 26                    | cone maggot, larch             | 66         |
| caterpillar, birch-and-alder    | 60                     | chalcid, spruce seed           | 45                    | cone maggot, tamarack          | 66         |
| caterpillar, blackcheeked aspen | 40                     | chameleon caterpillar          | 70                    | cone maggot, white spruce      | 66         |
| caterpillar, chameleon          | 70                     | checkered beetle               | 67                    | cone midge                     | 61         |
| caterpillar, cherry leafcone    | 17                     | checkerspot, silvery           | 19                    | cone moth                      | 14         |
| caterpillar, dogwood            | 31                     | cherry aphid, black            | 47                    | cone moth, spruce              | 13         |
| caterpillar, eastern tent       | 44                     | cherry blotchminer             | 55                    | conegall aphid, witch-hazel    | 38         |
| caterpillar, fireweed           | 9                      | cherry casebearer              | 23                    | coneworm, fir                  | 28         |
| caterpillar, forest tent        | 44                     | cherry cutworm, climbing       | 24                    | coneworm, spruce               | 28         |
| caterpillar, forktailed         | 19, 34                 | cherry dagger moth             | 7                     | coneworm, webbing              | 28         |
| caterpillar, hardwood           | 44                     | cherry leaf beetle             | 69                    | confused flour beetle          | 68         |
| caterpillar, humped             | 49, 62                 | cherry leafcone caterpillar    | 17                    | conifer ambrosia beetle        | 69         |
| caterpillar, lacecapped         | 50                     | cherry leaffolder              | 11                    | conifer borer, flatheaded      | 27         |
| caterpillar, lichen             | 43                     | cherry leafroller              | 50                    | conifer caterpillar, redlined  | 34         |
| caterpillar, lined black aspen  | 29                     | cherry looper, wild            | 43                    | conifer looper                 | 32         |
| caterpillar, locust             | 32                     | cherry micro moth              | 66                    | conifer looper, diamond backed | 39         |
| caterpillar, maple              | 52                     | cherry sawfly                  | 37                    | conifer looper, small          | 33         |
| caterpillar, masked birch       | 28                     | cherry scalloppshell moth      | 38                    | conifer looper, yellowlined    | 22         |
| caterpillar, masked hairy       | 19                     | cherry shoot borer             | 13                    | conifer micro moth             | 37, 38     |
| caterpillar, northern tent      | 44                     | cherry spanworm                | 32                    | convergent lady beetle         | 37         |
| caterpillar, oak                | 26, 45, 53             | cherry webspinning sawfly      | 49                    | Cooley spruce gall adelgid     | 8          |
| caterpillar, oak-maple humped   | 62                     | chestnut borer, twolined       | 8                     | copper, American               | 43         |
| caterpillar, paddle             | 7                      | chestnut leafminer             | 65                    | copper underwing               | 10         |
| caterpillar, poplar             | 35                     | chestnut sawfly                | 24                    | corn earworm                   | 36         |
| caterpillar, prairie tent       | 44                     | chokecherry leaf midge         | 47                    | cotton leafworm                | 9          |
| caterpillar, rearhumped         | 10                     | chokecherry leafroller         | 65                    | cottonwood crown borer         | 64         |
| caterpillar, redhumped          | 62                     | chokecherry midge              | 23                    | cottonwood dagger moth         | 7          |
| caterpillar, redlined conifer   | 34                     | cicada                         | 50, 68                | cottonwood leaf beetle         | 21         |
| caterpillar, redmarked          | 53                     | cigar casebearer               | 23                    | cottonwood leafminer           | 52         |
| caterpillar, rusty whitesided   | 51                     | cigar casebearer, pecan        | 22                    | cottonwood leafmining beetle   | 72         |
| caterpillar, saltmarsh          | 51                     | claycolored leaf beetle        | 11                    | cottonwood twig borer          | 36         |
| caterpillar, slug               | 12, 40, 42, 51, 59, 68 | clearwing hawk moth            | 37                    | cottony maple scale            | 61         |
| caterpillar, spiny elm          | 49                     | clearwing, snowberry           | 37                    | Couper collar weevil           | 39         |
| caterpillar, spiny slug         | 31                     | clearwinged grasshopper        | 17                    | coxcomb gall midge             | 69         |
| caterpillar, striped            | 26                     | Clemens' hawkmoth              | 65                    | crambus, vagabond              | 9          |
| caterpillar, striped garden     | 41                     | click beetle                   | 8, 10, 25, 26, 42, 46 | cranberry cutworm              | 39         |
| caterpillar, sumac              | 45                     | click beetle, eyed             | 9                     | cranberry girdler              | 21         |
| caterpillar, tufted pine        | 52                     | click beetle, green            | 25                    | cranberry spanworm             | 10, 29     |
| caterpillar, tufted spruce      | 52                     | click beetle, little brown     | 8                     | creeper sphinx, Virginia       | 26         |

|                              |   |                               |               |                                     |        |
|------------------------------|---|-------------------------------|---------------|-------------------------------------|--------|
| crimson erineum mite         | 6   | day sphinx, yellowbanded      | 59            | elm leaf-tier                       | 18     |
| crocus geometer              | 70  | deathwatch beetle             | 61, 63        | elm midge                           | 40     |
| crown borer, cottonwood      | 64  | debarking weevil, seedling    | 39            | elm pouchgall aphid                 | 41     |
| crown borer, raspberry       | 53  | deciduous tree looper         | 63            | elm prominent                       | 43     |
| ctenucha, Virginian          | 25  | deer fly                      | 21            | elm sawfly                          | 21, 44 |
| cupgall midge, fringed       | 70  | diamondback moth              | 57            | elm scale, European                 | 35     |
| curculio, butternut          | 23  | diamond backed conifer looper | 39            | elm scurfy scale                    | 20     |
| curculio, plum               | 23  | digitate leafminer, locust    | 53            | elm spanworm                        | 30     |
| currant borer                | 66  | dingy cutworm                 | 34            | elm sphinx                          | 19     |
| currant spanworm             | 40  | dogbane beetle                | 20            | emerald ash borer                   | 8      |
| currant stem girdler         | 40  | dogbane micro moth            | 62            | emerald, redfronted                 | 48     |
| currantworm, imported        | 48  | dogwood caterpillar           | 31            | engraver, coarsewriting             | 40     |
| cutworm                      | 9, 32, 33, 36, 37,<br>41, 45, 51, 52, 54,<br>58, 60, 70 | dogwood flea beetle           | 9             | engraver, northern                  | 40     |
| cutworm, angulated           | 66  | dogwood leaf beetle           | 16            | engraver, northern spruce           | 40     |
| cutworm, aster               | 25  | dogwood leafminer             | 12            | engraver, pine                      | 40     |
| cutworm, black               | 9   | dogwood leafroller            | 6, 17, 30, 50 | engraver, southern pine             | 40     |
| cutworm, black army          | 7   | dogwood sawfly                | 44            | erineum mite, crimson               | 6      |
| cutworm, bristly             | 41  | dogwood scale                 | 20            | ermine moth, birch                  | 13     |
| cutworm, bronzed             | 48  | dogwood spittlebug            | 22            | euonymus moth                       | 71     |
| cutworm, climbing cherry     | 24  | dogwood twig borer            | 49            | euonymus webworm                    | 71     |
| cutworm, cranberry           | 39  | dot-and-dash swordgrass moth  | 70            | European alder leafminer            | 34     |
| cutworm, dandelion           | 60  | dragon fly                    | 64            | European birch aphid                | 31     |
| cutworm, darksided           | 33  | dreamy dusky wing             | 31            | European blue horn-tail             | 64     |
| cutworm, dinky               | 34  | dusky birch sawfly            | 24            | European earwig                     | 34     |
| cutworm, flax                | 41  | dusky leafroller              | 51            | European elm bark beetle            | 63     |
| cutworm, glassy              | 12  | dusky leafroller              | 51            | European elm scale                  | 35     |
| cutworm, goldenrod           | 25  | dusky red tiger moth          | 55            | European fruit lecanium             | 53     |
| cutworm, gray spruce         | 70  | dusky stink bug               | 33            | European honeysuckle leafroller     | 71     |
| cutworm, mottled             | 6   | dusky wing, dreamy            | 31            | European leafminer                  | 46     |
| cutworm, pinkbacked          | 41  | dusky wing, Juvenal           | 31            | European leafroller                 | 13     |
| cutworm, redbacked           | 33  | duskyback leafroller          | 13            | European mantid                     | 45     |
| cutworm, spotted             | 70  | early aspen leaf-curler       | 60            | European pine needle midge          | 23     |
| cutworm, spruce climbing     | 66  | early birch leaf edgeminer    | 46            | European pine sawfly                | 48     |
| cutworm, striped             | 33  | early brown looper            | 32            | European pine shoot moth            | 51, 62 |
| cutworm, variegated          | 53  | earwig, European              | 34            | European privet sawfly              | 44     |
| cutworm, w-marked            | 64  | earworm, corn                 | 36            | European skipper                    | 67     |
| cutworm, white               | 33  | eastern blackheaded budworm   | 6             | European snout beetle               | 55     |
| cutworm, yellowheaded        | 12  | eastern larch beetle          | 27            | European spruce needleminer         | 30     |
| dag-ger moth                 | 10, 14  | eastern larch borer           | 67            | European spruce sawfly              | 35     |
| dag-ger moth, alder          | 7   | eastern pine seedworm         | 26            | eye, pearly                         | 30     |
| dag-ger moth, American       | 7   | eastern pine shoot borer      | 31            | eyed click beetle                   | 9      |
| dag-ger moth, birch          | 7   | eastern spruce gall adelgid   | 8             | eyespotted bud moth                 | 65     |
| dag-ger moth, cherry         | 7   | eastern subterranean termite  | 61            | eyespotted lady beetle              | 10     |
| dag-ger moth, cottonwood     | 7   | eastern tent caterpillar      | 44            | fall cankerworm                     | 9      |
| dag-ger moth, elm            | 7   | ebony jewel-ing               | 17            | fall spruce needle moth             | 13     |
| dag-ger moth, forked         | 7   | edgefolding sawfly, poplar    | 55            | fall webworm                        | 39     |
| dag-ger moth, fragile        | 7   | edgeminer, birch              |               | false balsam gall midge, introduced | 26     |
| dag-ger moth, gray           | 7   | edgeminer, birch leaf         | 63            | false bruce spanworm                | 40     |
| dag-ger moth, maple          | 7   | edgeminer, early birch leaf   | 46            | false flower beetle                 | 26     |
| dag-ger moth, oak            | 7   | edgeminer, late birch leaf    | 37            | false hemlock looper                | 48     |
| dag-ger moth, ochre          | 7   | edgeminer, oakleaf            | 68            | false hornworm                      | 54     |
| dag-ger moth, plum           | 7   | egg parasite, minute          | 69            | false leptura beetle                | 19     |
| dag-ger moth, poplar         | 7   | eightspotted forester         | 9             | false looper                        | 27, 66 |
| dag-ger moth, sad            | 7   | elderberry leaf-tier          | 54            | false looper, blueberry             | 66     |
| dag-ger moth, smeared        | 7   | elegant pine weevil           | 51            | false looper, jack pine             | 71     |
| dag-ger moth, willow         | 7   | elevenspotted lady beetle     | 22            | false looper, large                 | 71     |
| dandelion cutworm            | 60  | elfin, pine                   | 40            | false looper, locust                | 71     |
| dark birch aphid             | 66  | elm agromyzid leafminer       | 9             | false looper, maple                 | 71     |
| dark blister beetle          | 30  | elm aphid, woolly             | 31            | false looper, pine                  | 71     |
| dark marbled carpet looper   | 28  | elm bark beetle, native       | 39            | false looper, ragweed               | 67     |
| dark-headed aspen leafroller | 10  | elm bark beetle, European     | 63            | false looper, spruce                | 66     |
| darkling beetle, roughened   | 69  | elm bark weevil, black        | 44            | false looper, white pine            | 71     |
| darksided cutworm            | 33  | elm borer                     | 62            | false owl moth                      | 33, 36 |
| darling underwing            | 18  | elm calligrapha               | 16            | false spider mite                   | 53     |
| darn-er, Canada              | 8   | elm casebearer                | 22            | false webworm, pine                 | 6      |
| darn-er, shadow              | 8   | elm caterpillar, spiny        | 49            | false woolly alder aphid            | 60     |
| dart, catocaline             | 25  | elm cockscomb-gall aphid      | 23            | felt mite, poplar                   | 55     |
| dart, flameshouldered        | 49  | elm dagger moth               | 7             | fiery hunter                        | 17     |
| dart, smaller pinkish        | 27  | elm flea beetle               | 9             | fifteenspotted lady beetle          | 10     |
| dash, long                   | 58  | elm lace bug                  | 24            | figgall wasp, oak                   | 70     |
| dashed lined looper          | 60  | elm leaf beetle               | 70            | filament bearer                     | 47     |
| datana, spotted              | 27  | elm leaf-blotch miner         | 17            | filbertworm                         | 46     |
|                              |   | elm leaf-fol-der              | 11            | fir aphid, balsam                   | 21     |
|                              |   | elm leaf-gall mite            | 6             | fir bark beetle, balsam             | 56     |
|                              |   | elm leaf-miner                | 34            |                                     |        |

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| fir bud mite                   | 69            | fragile dagger moth                 | 7          | glassy cutworm                | 12            |
| fir coneworm                   | 28            | fringed birch sawfly                | 28         | globular hickory gall adelgid | 55            |
| fir harlequin                  | 29            | fringed cuggall midge               | 70         | goat sallow                   | 38            |
| fir needle inchworm            | 33            | fringed looper                      | 17         | golden oak scale              | 14            |
| fir sawfly, balsam             | 48            | fritillary, aphrodite               | 65         | goldenrod cutworm             | 25            |
| fir sawyer, balsam             | 47            | fritillary, great spangled          | 65         | goldsmith beetle              | 24            |
| fir seed chalcid, balsam       | 45            | fritillary, variegated              | 33         | gouty oak gall wasp           | 17            |
| fir tipminer, balsam           | 13            | fruit lecanium, European            | 53         | gouty vein midge              | 26            |
| fir weevil, balsam             | 56            | fruittree casebearer                | 22         | graceful ghost moth           | 37            |
| fire beetle, black             | 51            | fruit tree leafroller               | 13, 71     | grape adelgid                 | 55            |
| firefly                        | 29, 43, 61    | fruitworm, brown                    | 33         | grape flea beetle             | 9             |
| fireweed caterpillar           | 9             | fruitworm, green                    | 42         | grape-geometer, green         | 28            |
| fireworm, yellowheaded         | 6             | fruitworm, ironwood                 | 36         | grape leaffolder              | 27            |
| flameshouldered dart           | 49            | fruitworm, speckled green           | 51         | grape plume moth              | 35            |
| flanged looper                 | 48            | fruitworm, tomato                   | 36         | grape rootworm, western       | 16            |
| flat leaftier                  | 60            | fungus scale, white pine            | 45         | grape serpentine leafminer    | 55            |
| flatheaded appletree borer     | 20            | furniture beetle                    | 11         | grapevine looper              | 32            |
| flatheaded borer, Harris'      | 20            | gall adelgid, Cooley spruce         | 8          | grasshopper, clearwinged      | 17            |
| flatheaded borer, rough        | 20            | gall adelgid, eastern spruce        | 8          | gray comma                    | 57            |
| flatheaded borer, threelined   | 20            | gall adelgid, globular hickory      | 55         | gray dagger moth              | 7             |
| flatheaded conifer borer       | 27            | gall adelgid, hickory               | 55         | gray footman                  | 24            |
| flatheaded hardwood borer      | 27            | gall adelgid, pale spruce           | 8          | gray spruce cutworm           | 70            |
| flatheaded pine borer          | 19            | gall adelgid, ragged spruce         | 56         | gray spruce looper            | 18            |
| flatheaded poplar borer        | 27            | gall adelgid, spruce                | 8          | gray willow leaf beetle       | 69            |
| flatheaded wood borer          | 8, 11, 16, 20 | gall aphid, purse leaf              | 67         | gray-blue underwing           | 18            |
| flax cutworm                   | 41            | gall aphid, witch hazel             | 36         | graybanded leafroller         | 13            |
| flea beetle                    | 9             | gall borer, poplar                  | 45, 62     | great ash sphinx              | 65            |
| flea beetle, alder             | 9             | gall limb borer, willow             | 8          | great leopard moth            | 29            |
| flea beetle, dogwood           | 9             | gall midge                          | 44, 50     | great spangled fritillary     | 65            |
| flea beetle, elm               | 9             | gall midge, balsam                  | 52         | great tiger moth              | 13            |
| flea beetle, grape             | 9             | gall midge, basket willow           | 61         | green aspen leafroller        | 12            |
| flea beetle, poplar            | 9             | gall midge, clustered willow        | 45         | green aspen leaftier          | 52            |
| flea beetle, rose              | 9             | gall midge, introduced false balsam | 26         | green click beetle            | 25            |
| flea beetle, tiny aspen        | 24            | gall midge, linden wart             | 18         | green cloverworm              | 57            |
| flea beetle, willow            | 9             | gall midge, locust                  | 49         | green comma                   | 57            |
| fla weevil, apple              | 62            | gall midge, ocellate                | 6          | green fruitworm               | 42            |
| flea weevil, birch-and-alder   | 62            | gall midge, spiny hackberry         | 19         | green fruitworm, speckled     | 51            |
| flea weevil, poplar            | 67            | gall midge, spruce                  | 45         | green grape-geometer          | 28            |
| flea weevil, poplar and willow | 67            | gall midge, spruce cone             | 41         | green hemlock needleminer     | 23            |
| flea weevil, willow            | 40            | gall midge, willow                  | 26         | green lacewing, common        | 21            |
| Fletcher scale                 | 53            | gall midge, willow beaked           | 45         | green larch looper            | 63            |
| flour beetle, confused         | 68            | gall midge, willow pinecone         | 61         | green longhorned beetle       | 12            |
| flour beetle, red              | 68            | gall mite, ash flower               | 6          | green looper, striped         | 46            |
| flour moth, Mediterranean      | 30            | gall mite, linden                   | 56         | green notodontid, pale        | 35            |
| flower beetle                  | 44            | gall mite, Manitoba maple           | 6          | green rose chafer             | 27            |
| flower beetle, bumble          | 32            | gall mite, poplar                   | 6          | green spruce aphid            | 21            |
| flower beetle, false           | 26            | gall mite, velvet                   | 6          | green tortoise beetle         | 18            |
| flower gall mite, ash          | 6             | gall sawfly, willow                 | 57         | green weevil, pale            | 57            |
| flower moth, red pine          | 23            | gall wasp                           | 7, 11      | greenbrier leafminer          | 59            |
| flower sawfly, pine            | 70            | gall wasp, gouty oak                | 17         | greenheaded spruce sawfly     | 56            |
| flower thrips, slash pine      | 35            | gall wasp, horned oak               | 16         | greenstriped forest looper    | 46            |
| fly, black                     | 59            | gall wasp, large oakapple           | 10         | greenstriped mapleworm        | 28            |
| fly, deer                      | 21            | gall wasp, mossy rose               | 28         | gregarious oak leafminer      | 17            |
| fly, dragon                    | 64            | gall wasp, oak                      | 16, 28, 49 | ground beetle                 | 9, 17, 57, 61 |
| fly, house                     | 47            | gall wasp, oak potato               | 49         | gypsy moth                    | 44            |
| fly, hover                     | 66            | gall wasp, small oakapple           | 11         | hackberry butterfly           | 14            |
| fly, March                     | 15            | gall wasp, spongy oakapple          | 10         | hackberry gall midge, spiny   | 19            |
| fly, moose                     | 38            | gall wasp, white oak club           | 16         | hackberry leafblotch miner    | 55            |
| fly, parasitic                 | 15            | gall weevil, pine                   | 57         | hackberry midge               | 19            |
| fly, poplar twiggall           | 37            | gallmaking maple borer              | 71         | hackberry nipplegall maker    | 51            |
| fly, stone                     | 59            | garden armyworm                     | 44         | hagmoth                       | 54            |
| fly, whitestocking black       | 64            | garden caterpillar, striped         | 41         | hairstreak, banded            | 62            |
| footman, gray                  | 24            | geometer, chainspotted              | 22         | hairstreak, hickory           | 62            |
| footman, pale                  | 24            | geometer, crocus                    | 70         | hairstreak, striped           | 62            |
| forest looper, greenstriped    | 46            | geometer, notchwing                 | 30         | hairy caterpillar, masked     | 19            |
| forest tent caterpillar        | 44            | geometer, spruce cone               | 32         | hairy leaf beetle             | 35            |
| forester, eightspotted         | 9             | German cockroach                    | 15         | hairy poplar sawfly           | 68            |
| forked dagger moth             | 7             | ghost moth, graceful                | 37         | hairy willow sawfly           | 68            |
| forktailed caterpillar         | 19, 34        | giant birch sawfly                  | 68         | haploa, LeConte               | 36            |
| foureyed spruce bark beetle    | 58            | giant tiger moth, St. Lawrence      | 57         | haploa, Lyman                 | 36            |
| fourhumped stink bug           | 16            | giant water bug                     | 42         | hard maple budminer           | 29            |
| fourlined leafroller           | 13            | giant willow aphid                  | 69         | hardwood borer, flatheaded    | 27            |
| fourspotted sap beetle         | 35            | girdler, cranberry                  | 21         | hardwood caterpillar          | 44            |
| fourteenspotted lady beetle    | 17            | girdler, currant stem               | 40         | hardwood tussock moth         | 26            |

|                                    |        |                               |                                       |                                |                               |
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| harlequin, fir                     | 29     | io moth                       | 14                                    | larch aphid                    | 21                            |
| harlequin, spruce                  | 52     | ironwood casebearer           | 23                                    | larch aphid, black             | 21                            |
| Harris' flatheaded borer           | 20     | ironwood fruitworm            | 36                                    | larch beetle, eastern          | 27                            |
| harvester                          | 34     | ironwood leafblotch miner     | 17, 20, 55                            | larch borer, eastern           | 67                            |
| hawk moth, clearwing               | 37     | ironwood leafminer            | 65                                    | larch casebearer               | 22                            |
| hawkmoth, Clemens'                 | 65     | ironwood leafroller           | 50                                    | larch cone maggot              | 66                            |
| hawthorn aphid, woolly             | 31     | ironwood leaf-tier            | 49                                    | larch lappet moth              | 68                            |
| hawthorn lace bug                  | 24     | ironwood tubemaker            | 7                                     | larch looper                   | 63                            |
| hawthorn leafmining sawfly         | 59     | jack pine aphid               | 21                                    | larch looper, green            | 63                            |
| hawthorn sawfly                    | 65     | jack pine budworm             | 20                                    | larch looper, Owen's           | 63                            |
| hazel leaf beetle                  | 16     | jack pine false looper        | 71                                    | larch needleworm               | 71                            |
| hazel leaf-tier                    | 49     | jack pine looper              | 63                                    | larch sawfly                   | 59                            |
| hemlock looper                     | 41     | jack pine midge               | 18                                    | larch sawfly, onelined         | 11                            |
| hemlock looper, false              | 55     | jack pine needle aphid        | 21                                    | larch sawfly, threelined       | 11                            |
| hemlock looper, lesser             | 63     | jack pine needleminer, banded | 23                                    | larch seed chalcid             | 45                            |
| hemlock needleminer, brown         | 23     | jack pine resin midge         | 18                                    | larch shoot moth               | 13                            |
| hemlock needleminer, green         | 23     | jack pine sawfly              | 48                                    | larch silkworm                 | 38                            |
| hemlock scale                      | 6      | jack pine sawfly, blackheaded | 48                                    | larch tubemaker, orange        | 23                            |
| herald moth                        | 63     | jack pine sawfly, redheaded   | 48                                    | larch webworm                  | 57                            |
| hickory bark beetle                | 20, 63 | jack pine sawfly, Swaine      | 48                                    | lar-der beetle                 | 27                            |
| hickory borer, painted             | 45     | jack pine shoot borer         | 62                                    | large aspen tortrix            | 20                            |
| hickory bud-and-shoot borer        | 7      | jack pine shoot borer, yellow | 62                                    | large false looper             | 71                            |
| hickory buttongall adelgid         | 55     | jack pine tube moth           | 13                                    | large maple spanworm           | 59                            |
| hickory gall adelgid               | 55     | Japanese beetle               | 58                                    | large oakapple gall wasp       | 10                            |
| hickory gall adelgid, globular     | 55     | jeweling, ebony               | 17                                    | larger boxelder leafroller     | 13                            |
| hickory hairstreak                 | 62     | joker                         | 34                                    | larger shothole borer          | 63                            |
| hickory leafblotch miner           | 17     | June beetle                   | 55                                    | late birchleaf edgeminer       | 37                            |
| hickory leafroller                 | 13, 60 | June beetle, common           | 55                                    | laurel sphinx                  | 65                            |
| hickory sawfly                     | 45     | June beetle, lesser           | 55                                    | leaf adelgid, pine             | 56                            |
| hickory shoot borer                | 7      | June beetle, northern         | 55                                    | leaf beetle                    | 15, 25, 27, 34,<br>51, 55, 57 |
| hickory shuckworm                  | 26     | June beetle, rugose           | 55                                    | leaf beetle, alder             | 16, 21                        |
| hickory tussock moth               | 43     | juneberry lip-pedgall midge   | 69                                    | leaf beetle, American willow   | 55                            |
| hickory twig borer                 | 11     | Juneberry veingall midge      | 22                                    | leaf beetle, aspen             | 21                            |
| hickory twig pruner                | 11     | juniper aphid                 | 21                                    | leaf beetle, balsam poplar     | 21                            |
| hickory underwing                  | 18     | juniper leafminer             | 13                                    | leaf beetle, basswood          | 16                            |
| hickory webworm                    | 13     | juniper leafminer, red        | 13                                    | leaf beetle, birch             | 16, 55                        |
| hister beetle                      | 26     | juniper looper                | 32, 33, 67                            | leaf beetle, brown alder       | 69                            |
| hitched mamestra                   | 45     | juniper needleminer           | 23                                    | leaf beetle, brown willow      | 69                            |
| hobomok skipper                    | 57     | juniper sawfly                | 47                                    | leaf beetle, brown willow      | 69                            |
| hollyhock weevil                   | 12     | juniper scale                 | 18                                    | leaf beetle, cherry            | 69                            |
| honeylocust podgall midge          | 26     | juniper webworm               | 28                                    | leaf beetle, claycolored       | 11                            |
| honeysuckle budworm                | 38     | juniper webworm, pale         | 8                                     | leaf beetle, cottonwood        | 21                            |
| honeysuckle leafroller, European   | 71     | Juvenal dusky wing            | 31                                    | leaf beetle, dogwood           | 16                            |
| honeysuckle sawfly                 | 71     | Labrador-tea micro moth       | 50                                    | leaf beetle, elm               | 70                            |
| hop merchant                       | 58     | lace bug, alder               | 24                                    | leaf beetle, gray willow       | 69                            |
| horned oak gall wasp               | 16     | lace bug, basswood            | 34                                    | leaf beetle, hairy             | 35                            |
| hornet, baldfaced                  | 70     | lace bug, birch               | 24                                    | leaf beetle, hazel             | 16                            |
| hornet, whitefaced                 | 70     | lace bug, elm                 | 24                                    | leaf beetle, imported willow   | 56                            |
| horntail, banded                   | 69     | lace bug, hawthorn            | 24                                    | leaf beetle, meadowsweet       | 69                            |
| horntail, black                    | 69     | lace bug, oak                 | 24                                    | leaf beetle, milkweed          | 41                            |
| horntail, black and red            | 69     | lace bug, sycamore            | 24                                    | leaf beetle, russet alder      | 16                            |
| horntail, blue                     | 64     | lace bug, walnut              | 24                                    | leaf beetle, rusty             | 66                            |
| horntail, European blue            | 64     | lace bug, willow              | 24                                    | leaf beetle, spotted willow    | 21                            |
| hornworm, false                    | 54     | lacecapped caterpillar        | 50                                    | leaf beetle, striped willow    | 28                            |
| hornworm, tobacco                  | 45     | lacewing, common green        | 21                                    | leaf beetle, sumac             | 15                            |
| hornworm, tomato                   | 45     | lady beetle                   | 15, 16, 22, 25, 27,<br>37, 39, 47, 60 | leaf beetle, tenspotted        | 70                            |
| house fly                          | 47     | lady beetle, convergent       | 37                                    | leaf beetle, waterlily         | 34                            |
| house mosquito, northern           | 25     | lady beetle, elevenspotted    | 22                                    | leaf beetle, willow            | 16, 35, 69                    |
| hover fly                          | 66     | lady beetle, eyespotted       | 10                                    | leaf beetle, willow-and-poplar | 21                            |
| hummingbird moth                   | 37     | lady beetle, fiftenspotted    | 10                                    | leaf blister mite, pear        | 31                            |
| humped caterpillar                 | 49, 62 | lady beetle, fourteenspotted  | 17                                    | leaf casebearer, pecan         | 7                             |
| humped caterpillar, oak-maple      | 62     | lady beetle, ninespotted      | 22                                    | leaf casebearer, sweetfern     | 7                             |
| hunter, fiery                      | 17     | lady beetle, pine             | 47                                    | leaf chafer                    | 27                            |
| ilia underwing                     | 18     | lady beetle, sevenspotted     | 22                                    | leaf chafer, small             | 64                            |
| imperial moth, pine                | 29     | lady beetle, thirteenspotted  | 37                                    | leaf edgeminer, birch          | 63                            |
| imported cabbageworm               | 56     | lady beetle, threebanded      | 22                                    | leaf edgeminer, early birch    | 46                            |
| imported currantworm               | 48     | lady beetle, transverse       | 22                                    | leaf edgeminer, late birch     | 37                            |
| imported willow leaf beetle        | 56     | lady beetle, twicestabbed     | 20                                    | leaf gall aphid, purse         | 67                            |
| inchworm, fir needle               | 33     | lady beetle, twospotted       | 8                                     | leaf midge, chokecherry        | 47                            |
| Indianmeal moth                    | 57     | lady, painted                 | 69                                    | leaf midge, soft maple         | 26                            |
| Indian skipper                     | 37     | lappet moth                   | 55                                    | leaf mite, aspen               | 6                             |
| introduced basswood thrips         | 67     | lappet moth, larch            | 68                                    | leaf petiolegall aphid, poplar | 53                            |
| introduced false balsam gall midge | 26     | lappet moth, velle-da         | 68                                    | leaf shredder, oak             | 24                            |
| introduced pine sawfly             | 28     |                               |                                       | leaf tip roller, sumac         | 17                            |

|                                 |            |                                  |                                   |                               |   |
|---------------------------------|------------|----------------------------------|-----------------------------------|-------------------------------|---|
| leaf weevil, clover             | 39         | leafminer, privet                | 17                                | leaf-tier, hazel              | 49  |
| leafblotch miner, alder         | 55         | leafminer, red juniper           | 13                                | leaf-tier, ironwood           | 49  |
| leafblotch miner, apple         | 55         | leafminer, small birch           | 29                                | leaf-tier, locust             | 64, 68  |
| leafblotch miner, aspen         | 55         | leafminer, solitary oak          | 17                                | leaf-tier, oak                | 60, 62  |
| leafblotch miner, balsam poplar | 55         | leafminer, tuliptree             | 49                                | leaf-tier, poplar             | 22, 49  |
| leafblotch miner, birch         | 17         | leafminer, tupelo                | 12                                | leaf-tier, rusty-lined        | 22  |
| leafblotch miner, elm           | 17         | leafminer, willow                | 46                                | leaf-tier, small aspen        | 6   |
| leafblotch miner, hackberry     | 55         | leafmining beetle                | 15                                | leaf-tier, spirea             | 34  |
| leafblotch miner, hickory       | 17         | leafmining beetle, cottonwood    | 72                                | leaf-tier, willow             | 13, 30, 49  |
| leafblotch miner, ironwood      | 17, 20, 55 | leafmining sawfly, hawthorn      | 59                                | leaf-tier, yellowheaded aspen | 30  |
| leafblotch miner, lesser maple  | 55         | leafmining sawfly, oak           | 59                                | leafworm, boxelder            | 20  |
| leafblotch miner, locust        | 55         | leafmining sawfly, poplar        | 46                                | leafworm, cotton              | 9   |
| leafblotch miner, maple         | 17         | leafroller                       | 6, 12, 22, 27, 34, 37, 50, 52, 65 | leaping looper                | 54, 67  |
| leafblotch miner, oak           | 17, 55     | leafroller, alder                | 6, 30, 60                         | leatherwood leafminer         | 42  |
| leafblotch miner, willow        | 55         | leafroller, ash                  | 52                                | lecanium, European fruit      | 53  |
| leafblotch miner, witch-hazel   | 17         | leafroller, aspen                | 30                                | lecanium, oak                 | 53  |
| leafcone caterpillar, cherry    | 17         | leafroller, basswood             | 50, 52                            | LeConte haploa                | 36  |
| leafcurl midge                  | 59         | leafroller, birch                | 6, 17, 34                         | leopard moth, great           | 29  |
| leafcurler, early aspen         | 60         | leafroller, birch-aspen          | 30                                | leptura beetle, false         | 19  |
| leafcutter, maple               | 52         | leafroller, boxelder             | 17                                | lesser appleworm              | 36  |
| leaffolder                      | 44         | leafroller, brokenbanded         | 20                                | lesser aspen webworm          | 46  |
| leaffolder, alder               | 11         | leafroller, cherry               | 50                                | lesser birch casebearer       | 22  |
| leaffolder, blackheaded birch   | 6          | leafroller, chokecherry          | 65                                | lesser hemlock looper         | 63  |
| leaffolder, cherry              | 11         | leafroller, darkheaded aspen     | 10                                | lesser June beetle            | 55  |
| leaffolder, elm                 | 11         | leafroller, dogwood              | 6, 17, 30, 50                     | lesser maple leafblotch miner | 55  |
| leaffolder, grape               | 27         | leafroller, dusky                | 51                                | lesser maple leafroller       | 6   |
| leaffolder, ninebark            | 11         | leafroller, duskyback            | 13                                | lesser maple spanworm         | 40  |
| leaffolder, oak                 | 11         | leafroller, European             | 13                                | lesser peachtree borer        | 66  |
| leaffolder, serviceberry        | 11         | leafroller, European honeysuckle | 71                                | lichen caterpillar            | 43  |
| leaffolder, willow              | 11         | leafroller, fourlined            | 13                                | lichen moth, little white     | 22  |
| leaffolder, yellow birch        | 11         | leafroller, fruittree            | 13, 71                            | lichen moth, painted          | 39  |
| leaf-folding sawfly, poplar     | 55         | leafroller, graybanded           | 13                                | lichen moth, scarletwinged    | 39  |
| leaf-folding sawfly, willow     | 55         | leafroller, green aspen          | 12                                | lilac borer                   | 58  |
| leafgall midge, boxelder        | 23         | leafroller, hickory              | 13, 60                            | lilac leafminer               | 35  |
| leafgall midge, poplar          | 28         | leafroller, ironwood             | 50                                | limb borer, willow gall       | 8   |
| leafgall mite, elm              | 6          | leafroller, larger boxelder      | 13                                | linden bark borer             | 35  |
| leafgall mite, willow           | 6          | leafroller, lesser maple         | 6                                 | linden borer                  | 62  |
| leafgall sawfly, poplar         | 55         | leafroller, locust               | 48                                | linden gall mite              | 56  |
| leafgall sawfly, willow         | 58         | leafroller, maple                | 17, 65                            | linden looper                 | 31  |
| leafgall wasp, oak              | 17         | leafroller, maple-basswood       | 65                                | linden wart gall midge        | 18  |
| leafhopper                      | 36, 40     | leafroller moth                  | 8, 20                             | lined black aspen caterpillar | 29  |
| leafhopper, potato              | 29         | leafroller, oak                  | 13, 48, 50                        | lined spruce needleworm       | 13  |
| leafminer                       | 41         | leafroller, oak olethreutid      | 60                                | Lintner scale                 | 20  |
| leafminer, alder                | 17         | leafroller, obliquebanded        | 20                                | lippedgall midge, juneberry   | 69  |
| leafminer, ambermarked birch    | 59         | leafroller, omnivorous           | 13                                | lippedgall midge, willow      | 69  |
| leafminer, arborvitae           | 13         | leafroller, pale apple           | 60                                | little brown click beetle     | 8   |
| leafminer, aspen serpentine     | 55         | leafroller, paleheaded aspen     | 10                                | little carpenterworm          | 59  |
| leafminer, basswood             | 14         | leafroller, poplar               | 34, 60                            | little spruce sawfly          | 58  |
| leafminer, birch                | 34         | leafroller, poplar-willow        | 17                                | little virgin tiger moth      | 35  |
| leafminer, blackberry           | 46         | leafroller, raspberry            | 50                                | little white lichen moth      | 22  |
| leafminer, brown cedar          | 23         | leafroller, redbanded            | 13                                | locust borer                  | 45  |
| leafminer, catalpa              | 56         | leafroller, rose                 | 36                                | locust caterpillar            | 32  |
| leafminer, cedar                | 13         | leafroller, sassafras            | 17                                | locust digitate leafminer     | 53  |
| leafminer, chestnut             | 65         | leafroller, solitary birch       | 6                                 | locust false looper           | 71  |
| leafminer, cottonwood           | 52         | leafroller, spring oak           | 20                                | locust gall midge             | 49  |
| leafminer, dogwood              | 12         | leafroller, striped sumac        | 48                                | locust leafblotch miner       | 55  |
| leafminer, elm                  | 34         | leafroller, sumac                | 31                                | locust leafminer              | 50  |
| leafminer, elm agromyzid        | 9          | leafroller, threelined           | 52                                | locust leafroller             | 48  |
| leafminer, European             | 46         | leafroller, viburnum             | 50                                | locust leaf-tier              | 64, 68  |
| leafminer, European alder       | 34         | leafroller, white triangle       | 22                                | locust looper                 | 63  |
| leafminer, grape serpentine     | 55         | leafroller, willow               | 30, 36                            | locust looper, stout          | 36  |
| leafminer, greenbrier           | 59         | leafroller, willow-and-poplar    | 36                                | locust micro moth             | 48  |
| leafminer, gregarious oak       | 17         | leafroller, witch-hazel          | 60                                | locust seed weevil, black     | 12  |
| leafminer, ironwood             | 65         | leafrolling weevil               | 14                                | locust twig borer             | 29  |
| leafminer, juniper              | 13         | leafstem borer                   | 7                                 | locust underwing              | 32  |
| leafminer, leatherwood          | 42         | leaf-tier, alder                 | 36, 47                            | lodgpole pine beetle          | 27  |
| leafminer, lilac                | 35         | leaf-tier, birch-and-alder       | 15                                | Lombardy leafminer            | 53  |
| leafminer, locust               | 50         | leaf-tier, blackdotted birch     | 49                                | long dash                     | 58  |
| leafminer, locust digitate      | 53         | leaf-tier, blueberry             | 24                                | longhorn beetle, Minnesota    | 69  |
| leafminer, Lombardy             | 53         | leaf-tier, elderberry            | 54                                | longhorn beetle               | 7, 10, 16, 24, 33, 35, 36, 41, 42, 46, 61, 62, 66, 68, 69 |
| leafminer, mock orange          | 9          | leaf-tier, elm                   | 18                                | longhorn beetle, asian        | 11  |
| leafminer moth                  | 7          | leaf-tier, flat                  | 60                                | longhorn beetle, green        | 12  |
| leafminer, oak                  | 68         | leaf-tier, green aspen           | 52                                |                               |   |
| leafminer, oak serpentine       | 65         |                                  |                                   |                               |   |



|                                |   |                                |  |                                     |                |
|--------------------------------|---|--------------------------------|--|-------------------------------------|----------------|
| longhorned beetle, mottled     | 12  | looper, yellowlined conifer    | 22   | micro moth, spruce                  | 23, 30         |
| longhorned beetle, pitted      | 13  | luna moth                      | 8  | micro moth, sumac                   | 38, 60, 63, 67 |
| longhorned pine borer          | 47  | Lyman haploa                   | 36   | microcaelia, marbled                | 42             |
| longhorned wood borer          | 46, 47  | macro moth                     | 14   | midge                               | 42             |
| looper                         | 8, 10, 13, 15, 16,<br>22, 25, 28, 31, 32,<br>33, 37, 38, 40, 41,<br>43, 46, 54, 57, 59,<br>63, 64, 67, 70 | maggot, black spruce seed cone | 66   | midge, alder budgall                | 26             |
| looper, alder                  | 33, 38, 70  | maggot, larch cone             | 66   | midge, ash midribgall               | 23             |
| looper, birch                  | 38, 57  | maggot, tamarack cone          | 66   | midge, balsam gall                  | 52             |
| looper, blackberry             | 20  | maggot, white spruce cone      | 66   | midge, basket willow gall           | 61             |
| looper, blueberry false        | 66  | maker, hackberry nipplegall    | 51   | midge, boxelder budgall             | 23             |
| looper, brown pine             | 18  | malaria mosquito, common       | 11   | midge, boxelder leafgall            | 23             |
| looper, cabbage                | 69  | mamestra, hitched              | 45   | midge, chokecherry                  | 23             |
| looper, camouflaged            | 66  | Manitoba maple gall mite       | 6  | midge, chokecherry leaf             | 47             |
| looper, cedar                  | 63  | mantid, European               | 45   | midge, clustered willow gall        | 45             |
| looper, celery                 | 10  | mantis, praying                | 45   | midge, cone                         | 61             |
| looper, clover                 | 16  | maple aphid, painted           | 28   | midge, coxcomb gall                 | 69             |
| looper, conifer                | 32  | maple aphid, Norway            | 54   | midge, elm                          | 40             |
| looper, dark marbled carpet    | 28  | maple bladdergall mite         | 70   | midge, European pine needle         | 23             |
| looper, dashlined              | 60  | maple borer, gallmaking        | 71   | midge, fringed cupgall              | 70             |
| looper, deciduous tree         | 63  | maple borer, sugar             | 35   | midge, gall                         | 44, 50         |
| looper, diamond backed conifer | 39  | maple budminer, hard           | 29   | midge, gouty vein                   | 26             |
| looper, early brown            | 32  | maple callus borer             | 66   | midge, hackberry                    | 19             |
| looper, false                  | 27, 66  | maple cambium borer, red       | 56   | midge, honey locust podgall         | 26             |
| looper, false hemlock          | 48  | maple caterpillar              | 52   | midge, introduced false balsam gall | 26             |
| looper, flanged                | 48  | maple dagger moth              | 7  | midge, jack pine                    | 18             |
| looper, fringed                | 17  | maple false looper             | 71   | midge, jack pine resin              | 18             |
| looper, grapevine              | 32  | maple gall mite, Manitoba      | 6  | midge, Juneberry lippedgall         | 69             |
| looper, gray spruce            | 18  | maple leaf midge, soft         | 26   | midge, Juneberry veingall           | 22             |
| looper, green larch            | 63  | maple leafblotch miner         | 17   | midge, leafcurl                     | 59             |
| looper, greenstriped forest    | 46  | maple leafblotch miner, lesser | 55   | midge, linden wart gall             | 18             |
| looper, hemlock                | 41  | maple leafcutter               | 52   | midge, locust gall                  | 49             |
| looper, jack pine              | 63  | maple leafroller               | 17, 65   | midge, Monterey pine resin          | 18             |
| looper, jack pine false        | 71  | maple leafroller, lesser       | 6  | midge, oak pillgall                 | 22             |
| looper, juniper                | 32, 33, 67  | maple petiole borer            | 18   | midge, ocellate gall                | 6              |
| looper, larch                  | 63  | maple scale, cottony           | 61   | midge, poplar leafgall              | 28             |
| looper, large false            | 71  | maple seedminer, Norway        | 29   | midge, red pine needle              | 67             |
| looper, leaping                | 54, 67  | maple seedworm                 | 25   | midge, rosette                      | 61             |
| looper, lesser hemlock         | 63  | maple shoot borer              | 59   | midge, soft maple leaf              | 26             |
| looper, linden                 | 31  | maple spanworm                 | 30   | midge, spiny hackberry gall         | 19             |
| looper, locust                 | 63  | maple spanworm, large          | 59   | midge, spruce bud                   | 26             |
| looper, locust false           | 71  | maple spanworm, lesser         | 40   | midge, spruce cone axis             | 41             |
| looper, maple false            | 71  | maple spindlegall mite         | 70   | midge, spruce cone gall             | 41             |
| looper, northern pine          | 18  | maple trumpet skeletonizer     | 30   | midge, spruce gall                  | 45             |
| looper, Owen's larch           | 63  | maple twig borer               | 59   | midge, spruce seed                  | 45             |
| looper, pine                   | 63  | maple webworm                  | 57   | midge, tip                          | 50             |
| looper, pine false             | 71  | maple--basswood leafroller     | 65   | midge, tulip spotgall               | 67             |
| looper, poplar                 | 46, 59  | mapleworm, greenstriped        | 28   | midge, white pine needle            | 61             |
| looper, purplish-brown         | 33  | mapleworm, orangehumped        | 66   | midge, willow beaked gall           | 45             |
| looper, ragweed false          | 67  | marbled carpet looper, dark    | 28   | midge, willow cabbagegall           | 61             |
| looper, redcheeked             | 59  | marbled microcaelia            | 42   | midge, willow gall                  | 26             |
| looper, saddleback             | 29  | March fly                      | 15   | midge, willow lippedgall            | 69             |
| looper, small conifer          | 33  | margarodid, birch              | 70   | midge, willow nodulegall            | 61             |
| looper, small pine             | 33  | mark, question                 | 58   | midge, willow pinecone gall         | 61             |
| looper, spiny                  | 54  | marsh beetle                   | 63   | midge, willow potatogall            | 61             |
| looper, spirea                 | 33  | masked birch caterpillar       | 28   | midge, willow twig-gall             | 61             |
| looper, spruce cone            | 33  | masked hairy caterpillar       | 19   | midribgall midge, ash               | 23             |
| looper, spruce false           | 66  | mass borer, pitch              | 66   | Milbert's tortoiseshell             | 49             |
| looper, spruce-fir             | 44  | meadowsweet leaf beetle        | 69   | milkweed bug, small                 | 43             |
| looper, stout locust           | 36  | Mediterranean flour moth       | 30   | milkweed leaf beetle                | 41             |
| looper, striped green          | 46  | merchant, hop                  | 58   | milkweed tussock moth               | 31             |
| looper, tamarack               | 33  | metallic beetle                | 14   | mimosa webworm                      | 38             |
| looper, transversebanded       | 38  | micro moth                     | 8, 11, 13, 15, 18,<br>20, 28, 29, 30, 36,<br>45, 46, 47, 48, 50,<br>54, 62, 63, 66 | miner, alder leafblotch             | 55             |
| looper, transverse banded ash  | 38  | micro moth, aster              | 28   | miner, apple leafblotch             | 55             |
| looper, twolined aspen         | 43  | micro moth, basswood           | 48   | miner, appleleaf trumpet            | 68             |
| looper, twopronged             | 64  | micro moth, birch              | 53, 66   | miner, aspen leafblotch             | 55             |
| looper, variable redmarked     | 46  | micro moth, cherry             | 66   | miner, aspen petiole                | 29             |
| looper, white pine             | 63  | micro moth, conifer            | 37, 38   | miner, balsam poplar leafblotch     | 55             |
| looper, white pine false       | 71  | micro moth, dogbane            | 62   | miner, balsam poplar petiole        | 29             |
| looper, wild cherry            | 43  | micro moth, Labrador-tea       | 50   | miner, basswood roundblotch         | 55             |
| looper, willow                 | 63  | micro moth, nettle             | 33   | miner, basswood squareblotch        | 55             |
| looper, willow--poplar         | 63  | micro moth, poplar             | 35, 63   | miner, birch cambium                | 56             |
|                                |   |                                |  | miner, birch leafblotch             | 17             |
|                                |   |                                |  | miner, elm leafblotch               | 17             |
|                                |   |                                |  | miner, hackberry leafblotch         | 55             |
|                                |   |                                |  | miner, hickory leafblotch           | 17             |

|                                |            |                             |                     |                                |                |
|--------------------------------|------------|-----------------------------|---------------------|--------------------------------|----------------|
| miner, ironwood leafblotch     | 17, 20, 55 | moth, forked dagger         | 7                   | moth, scallophshell            | 38             |
| miner, lesser maple leafblotch | 55         | moth, fragile dagger        | 7                   | moth, scarletwinged lichen     | 39             |
| miner, locust leafblotch       | 55         | moth, graceful ghost        | 37                  | moth, smeared dagger           | 7              |
| miner, maple leafblotch        | 17         | moth, grape plume           | 35                  | moth, smoky                    | 29             |
| miner, oak leafblotch          | 17, 55     | moth, gray dagger           | 7                   | moth, spearmarked black        | 62             |
| miner, willow leafblotch       | 55         | moth, great leopard         | 29                  | moth, spotted tussock          | 43             |
| miner, witch-hazel leafblotch  | 17         | moth, great tiger           | 13                  | moth, spring spruce needle     | 13             |
| Minnesota longhorn beetle      | 69         | moth, gypsy                 | 44                  | moth, spruce bud               | 71             |
| minute egg parasite            | 69         | moth, hardwood tussock      | 26                  | moth, spruce cone              | 13             |
| mite, ash flower gall          | 6          | moth, herald                | 63                  | moth, spruce micro             | 23, 30         |
| mite, aspen leaf               | 6          | moth, hickory tussock       | 43                  | moth, spruce needle            | 13             |
| mite, birch "witches'-broom"   | 19         | moth, hummingbird           | 37                  | moth, spruce seed              | 26             |
| mite, birch budgall            | 6          | moth, Indianmeal            | 57                  | moth, St. Lawrence giant tiger | 57             |
| mite, crimson erineum          | 6          | moth, io                    | 14                  | moth, sumac micro              | 38, 60, 63, 67 |
| mite, elm leafgall             | 6          | moth, jack pine tube        | 13                  | moth, swordgrass               | 70             |
| mite, false spider             | 53         | moth, Labrador-tea micro    | 50                  | moth, sycamore tussock         | 36             |
| mite, fir bud                  | 69         | moth, lappet                | 55                  | moth, tiger                    | 35, 36         |
| mite, linden gall              | 56         | moth, larch lappet          | 68                  | moth, tobacco                  | 30             |
| mite, Manitoba maple gall      | 6          | moth, larch shoot           | 13                  | moth, tufted apple bud         | 57             |
| mite, maple bladdergall        | 70         | moth, leafminer             | 7                   | moth, tussock                  | 26             |
| mite, maple spindlegall        | 70         | moth, leafroller            | 8, 20               | moth, underwing                | 18             |
| mite, pear leaf blister        | 31         | moth, little virgin tiger   | 35                  | moth, vellea lappet            | 68             |
| mite, pine bud                 | 69         | moth, little white lichen   | 22                  | moth, walnut shoot             | 7              |
| mite, pine needle              | 64, 69     | moth, locust micro          | 48                  | moth, white-marked tussock     | 51             |
| mite, pine spider              | 50         | moth, luna                  | 8                   | moth, willow dagger            | 7              |
| mite, poplar budgall           | 6          | moth, macro                 | 14                  | moth, winter                   | 50             |
| mite, poplar felt              | 55         | moth, maple dagger          | 7                   | moth, Zimmerman pine           | 28             |
| mite, poplar gall              | 6          | moth, Mediterranean flour   | 30                  | mottled cutworm                | 6              |
| mite, red pine needle          | 64         | moth, micro                 | 8, 11, 13, 15, 18,  | mottled longhorned beetle      | 12             |
| mite, spruce spider            | 50         |                             | 20, 28, 29, 30, 36, | mottled stink bug              | 29             |
| mite, velvet gall              | 6          |                             | 45, 46, 47, 48, 50, | mountain-ash sawfly            | 59             |
| mite, white pine needle        | 69         |                             | 54, 62, 63, 66      | mourningcloak butterfly        | 49             |
| mite, willow leafgall          | 6          | moth, milkweed tussock      | 31                  | native elm bark beetle         | 39             |
| mock orange leafminer          | 9          | moth, nettle micro          | 33                  | needle aphid, jack pine        | 21             |
| monarch butterfly              | 26         | moth, northern pine tussock | 26                  | needle aphid, powdery pine     | 32             |
| Monterey pine resin midge      | 18         | moth, northern pitch twig   | 54                  | needle aphid, spotted pine     | 32             |
| moose fly                      | 38         | moth, November              | 31                  | needle inchworm, fir           | 33             |
| mosquito, common malaria       | 11         | moth, oak dagger            | 7                   | needle midge, European pine    | 23             |
| mosquito, northern house       | 25         | moth, ochre dagger          | 7                   | needle midge, red pine         | 67             |
| mossy rose gall wasp           | 28         | moth, owl                   | 6, 7, 12, 14, 15,   | needle midge, white pine       | 61             |
| moth, acom                     | 15         |                             | 17, 18, 23, 24, 29, | needle mite, pine              | 64, 69         |
| moth, alder catkin             | 30         |                             | 30, 31, 33, 37, 39, | needle mite, red pine          | 64             |
| moth, alder dagger             | 7          |                             | 40, 42, 43, 46, 47, | needle mite, white pine        | 69             |
| moth, American dagger          | 7          |                             | 50, 51, 52, 53, 57, | needle moth, fall spruce       | 13             |
| moth, arctiid                  | 38         |                             | 60, 64, 66, 71      | needle moth, spring spruce     | 13             |
| moth, aster micro              | 28         | moth, painted lichen        | 39                  | needle moth, spruce            | 13             |
| moth, basswood micro           | 48         | moth, pale tussock          | 36                  | needle scale, pine             | 20             |
| moth, basswood owlet           | 15         | moth, pepper-and-salt       | 15                  | needle sheathminer, pine       | 71             |
| moth, basswood seed            | 54         | moth, pine bark             | 54                  | needleminer, banded jack pine  | 23             |
| moth, birch catkin             | 31         | moth, pine bud              | 34                  | needleminer, brown hemlock     | 23             |
| moth, birch dagger             | 7          | moth, pine candle           | 34                  | needleminer, European spruce   | 30             |
| moth, birch ermine             | 13         | moth, pine imperial         | 29                  | needleminer, green hemlock     | 23             |
| moth, birch micro              | 53, 66     | moth, pine tip              | 62                  | needleminer, juniper           | 23             |
| moth, browntail                | 33         | moth, pine tube             | 13                  | needleminer, orange spruce     | 23             |
| moth, cecropia                 | 38         | moth, pine tussock          | 26                  | needleminer, pine              | 23, 34         |
| moth, cherry dagger            | 7          | moth, pitch nodule          | 54                  | needleminer, red pine          | 23             |
| moth, cherry micro             | 66         | moth, pitch pine tip        | 62                  | needleminer, spruce            | 23, 30, 67     |
| moth, cherry scallophshell     | 38         | moth, pitch twig            | 54                  | needleminer, white pine        | 49             |
| moth, clearwing hawk           | 37         | moth, plum dagger           | 7                   | needletier                     | 65             |
| moth, columbian silk           | 38         | moth, plume                 | 10, 27, 35, 50      | needleworm, larch              | 71             |
| moth, cone                     | 14         | moth, polyphemus            | 12                  | needleworm, lined spruce       | 13             |
| moth, conifer micro            | 37, 38     | moth, poplar catkin         | 10                  | needleworm, redstriped         | 36             |
| moth, cottonwood dagger        | 7          | moth, poplar dagger         | 7                   | needleworm, spruce             | 37             |
| moth, dagger                   | 10, 14     | moth, poplar micro          | 35, 63              | nettle micro moth              | 33             |
| moth, diamondback              | 57         | moth, poplar petiolegall    | 29                  | netwinged beetle               | 28             |
| moth, dogbane micro            | 62         | moth, poplar shoot          | 15                  | ninebark leaffolder            | 11             |
| moth, dot-and-dash swordgrass  | 70         | moth, promethea             | 17                  | ninespotted lady beetle        | 22             |
| moth, dusky red tiger          | 55         | moth, prominent             | 37, 49              | nipplegall maker, hackberry    | 51             |
| moth, elm dagger               | 7          | moth, red pine flower       | 23                  | nodule moth, pitch             | 54             |
| moth, euonymus                 | 71         | moth, red pine shoot        | 28                  | nodulegall midge, willow       | 61             |
| moth, European pine shoot      | 51, 62     | moth, red swordgrass        | 70                  | northeastern sawyer            | 47             |
| moth, eyespotted bud           | 65         | moth, rusty tussock         | 51                  | northern ash sphinx            | 65             |
| moth, fall spruce needle       | 13         | moth, sad dagger            | 7                   | northern cedar bark beetle     | 54             |
| moth, false owlet              | 33, 36     | moth, satin                 | 42                  | northern engraver              | 40             |

|                               |            |                                |                     |                                  |        |
|-------------------------------|------------|--------------------------------|---------------------|----------------------------------|--------|
| northern house mosquito       | 25         | opaque sawyer                  | 14                  | pine borer, flatheaded           | 19     |
| northern June beetle          | 55         | orange larch tubemaker         | 23                  | pine borer, longhorned           | 47     |
| northern pine looper          | 18         | orange spruce needleminer      | 23                  | pine borer, redshouldered        | 65     |
| northern pine tussock moth    | 26         | orangedog                      | 52                  | pine borer, sculptured           | 19     |
| northern pine weevil          | 56         | orangehumped mapleworm         | 66                  | pine bud mite                    | 69     |
| northern pitch twig moth      | 54         | orangehumped oakworm           | 66                  | pine bud moth                    | 34     |
| northern spruce engraver      | 40         | orangestriped oakworm          | 11                  | pine budworm, jack               | 20     |
| northern tent caterpillar     | 44         | Owen's larch looper            | 63                  | pine candle moth                 | 34     |
| Norway maple aphid            | 54         | owlet moth                     | 6, 7, 12, 14, 15,   | pine caterpillar, tufted         | 52     |
| Norway maple seedminer        | 29         |                                | 17, 18, 23, 24, 29, | pine caterpillar, tufted white   | 52     |
| notchwing geometer            | 30         |                                | 30, 31, 33, 37, 39, | pine cone beetle, red            | 23     |
| notodontid, pale green        | 35         |                                | 40, 42, 43, 46, 47, | pine cone beetle, white          | 23     |
| November moth                 | 31         |                                | 50, 51, 52, 53, 57, | pine cone borer, red             | 31     |
| nursery pine sawfly           | 35         |                                | 60, 64, 66, 71      | pine cone borer, white           | 31     |
| nymph, beautiful wood         | 32         | owlet moth, basswood           | 15                  | pine elfin                       | 40     |
| nymph, pearly wood            | 32         | owlet moth, false              | 33, 36              | pine engraver                    | 40     |
| oak aphid                     | 38         | oystershell scale              | 41                  | pine engraver, southern          | 40     |
| oak apple gall wasp, spongy   | 10         | paddle caterpillar             | 7                   | pine false looper                | 71     |
| oak apple gall wasp, small    | 11         | painted beauty, American       | 69                  | pine false looper, jack          | 71     |
| oak apple gall wasp, large    | 10         | painted hickory borer          | 45                  | pine false looper, white         | 71     |
| oak apple wasp, spotted       | 14         | painted lady                   | 69                  | pine false webworm               | 6      |
| oak beauty                    | 47         | painted lichen moth            | 39                  | pine flower moth, red            | 23     |
| oak casebearer                | 22, 23     | painted maple aphid            | 28                  | pine flower sawfly               | 70     |
| oak caterpillar               | 26, 45, 53 | pale apple leafroller          | 60                  | pine flower thrips, slash        | 35     |
| oak club gall wasp, white     | 16         | pale footman                   | 24                  | pine fungus scale, white         | 45     |
| oak dagger moth               | 7          | pale green notodontid          | 35                  | pine gall weevil                 | 58     |
| oak figgall wasp              | 70         | pale green weevil              | 58                  | pine imperial moth               | 29     |
| oak gall wasp                 | 16, 28, 49 | pale juniper webworm           | 8                   | pine lady beetle                 | 47     |
| oak gall wasp, gouty          | 17         | pale spruce gall adelgid       | 8                   | pine leaf adelgid                | 56     |
| oak gall wasp, horned         | 16         | pale tussock moth              | 36                  | pine looper                      | 63     |
| oak lace bug                  | 24         | paleheaded aspen leafroller    | 10                  | pine looper, brown               | 18     |
| oak leaf shredder             | 24         | pales weevil                   | 39                  | pine looper, jack                | 63     |
| oak leafblotch miner          | 17, 55     | palmerworm                     | 28                  | pine looper, northern            | 18     |
| oak leaffolder                | 11         | parasite                       | 8, 13, 35, 39, 40,  | pine looper, small               | 33     |
| oak leafgall wasp             | 17         |                                | 45, 46, 51, 53      | pine looper, white               | 63     |
| oak leafminer                 | 68         | parasite, chalcid              | 26                  | pine midge, jack                 | 18     |
| oak leafminer, gregarious     | 17         | parasite, minute egg           | 69                  | pine moth, Zimmerman             | 28     |
| oak leafminer, solitary       | 17         | parasitic fly                  | 15                  | pine needle aphid, jack          | 21     |
| oak leafmining sawfly         | 59         | parsleyworm                    | 52                  | pine needle aphid, powdery       | 32     |
| oak leafroller                | 13, 48, 50 | parsnip webworm                | 27                  | pine needle aphid, spotted       | 32     |
| oak leafroller, spring        | 20         | peach bark beetle              | 54                  | pine needle aphid, spotted black | 32     |
| oak leaftier                  | 60, 62     | peachtree borer                | 66                  | pine needle midge, European      | 23     |
| oak lecanium                  | 53         | peachtree borer, lesser        | 66                  | pine needle midge, red           | 67     |
| oak olethreutid leafroller    | 60         | pear leaf blister mite         | 31                  | pine needle midge, white         | 61     |
| oak pillgall midge            | 22         | pear sawfly                    | 16                  | pine needle mite                 | 64, 69 |
| oak potato gall wasp          | 49         | pear thrips                    | 67                  | pine needle mite, red            | 64     |
| oak sawfly                    | 13, 16, 53 | pearly eye                     | 30                  | pine needle mite, white          | 69     |
| oak scale, golden             | 14         | pearly wood nymph              | 32                  | pine needle scale                | 20     |
| oak serpentine leafminer      | 65         | pearslug                       | 16                  | pine needle sheathminer          | 71     |
| oak skeletonizer              | 16         | pecan cigar casebearer         | 22                  | pine needleminer                 | 23, 34 |
| oak trumpet skeletonizer      | 31         | pecan leaf casebearer          | 7                   | pine needleminer, banded jack    | 23     |
| oak webworm                   | 13         | Pennsylvania wood cockroach    | 53                  | pine needleminer, red            | 23     |
| oak webworm, striped          | 57         | pepper-and-salt moth           | 15                  | pine needleminer, white          | 49     |
| oak-maple humped caterpillar  | 62         | petiole borer, maple           | 18                  | pine pith borer                  | 56     |
| oakleaf caterpillar, variable | 43         | petiole miner, aspen           | 29                  | pine resin midge, jack           | 18     |
| oakleaf edgeminer             | 68         | petiole miner, balsam poplar   | 29                  | pine resin midge, Monterey       | 18     |
| oakslug                       | 16         | petiolegall aphid, poplar      | 53                  | pine root collar weevil          | 39     |
| oakslug sawfly                | 16         | petiolegall aphid, poplar leaf | 53                  | pine sawfly                      | 48     |
| oakworm, orangehumped         | 66         | petiolegall moth, poplar       | 29                  | pine sawfly, blackheaded jack    | 48     |
| oakworm, orangestriped        | 11         | pigeon tremex                  | 68                  | pine sawfly, European            | 48     |
| oakworm, pinkstriped          | 11         | pill beetle                    | 26                  | pine sawfly, introduced          | 28     |
| oakworm, redhumped            | 66         | pillgall midge, oak            | 22                  | pine sawfly, jack                | 48     |
| oakworm, shorthorned          | 11         | pine-and-clover tier           | 12, 70              | pine sawfly, nursery             | 35     |
| oakworm, spiny                | 11         | pinecone gall midge, willow    | 61                  | pine sawfly, red                 | 48     |
| oakworm, tortricid            | 13         | pineneedle aphid, woolly       | 62                  | pine sawfly, redheaded           | 48     |
| obliquebanded leafroller      | 20         | pine aphid, jack               | 21                  | pine sawfly, redheaded jack      | 48     |
| ocellate gall midge           | 6          | pine aphid, red                | 21                  | pine sawfly, Swaine jack         | 48     |
| ochre dagger moth             | 7          | pine aphid, Scots              | 21                  | pine sawfly, white               | 48     |
| oil beetle, buttercup         | 46         | pine aphid, white              | 21                  | pine sawyer, spotted             | 47     |
| olethreutid leafroller, oak   | 60         | pine bark adelgid              | 56                  | pine seed bug, shieldbacked      | 67     |
| omnivorous leafroller         | 13         | pine bark borer                | 56                  | pine seedworm, eastern           | 26     |
| oncemarried underwing         | 18         | pine bark moth                 | 54                  | pine shoot beetle                | 68     |
| onelined larch sawfly         | 11         | pine barkminer, white          | 45                  | pine shoot borer, eastern        | 31     |
| onespotted variant            | 39         | pine beetle, lodgepole         | 27                  | pine shoot borer, jack           | 62     |

|                               |                |                               |        |                               |                      |
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| pine shoot borer, red         | 62             | poplar leaf petiolegall aphid | 53     | redcheeked looper             | 59                   |
| pine shoot borer, yellow jack | 62             | poplar leaf-folding sawfly    | 55     | redcrossed stink bug          | 29                   |
| pine shoot moth, European     | 51, 62         | poplar leafgall midge         | 28     | redfronted emerald            | 48                   |
| pine shoot moth, red          | 28             | poplar leafgall sawfly        | 55     | redgall sawfly, willow        | 58                   |
| pine spider mite              | 50             | poplar leafmining sawfly      | 46     | redheaded ash borer           | 48                   |
| pine spittlebug               | 12             | poplar leafroller             | 34, 60 | redheaded jack pine sawfly    | 48                   |
| pine tip moth                 | 62             | poplar leaf-tier              | 22, 49 | redheaded pine sawfly         | 48                   |
| pine tip moth, pitch          | 62             | poplar looper                 | 46, 59 | redhumped caterpillar         | 62                   |
| pine tortoise scale           | 68             | poplar micro moth             | 35, 63 | redhumped oakworm             | 66                   |
| pine tree sphinx              | 41             | poplar petiole miner, balsam  | 29     | reclined conifer caterpillar  | 34                   |
| pine tube moth                | 13             | poplar petiolegall aphid      | 53     | redmarked caterpillar         | 53                   |
| pine tube moth, jack          | 13             | poplar petiolegall moth       | 29     | redmarked looper, variable    | 46                   |
| pine tussock moth             | 26             | poplar sawfly                 | 48     | redmarked tentmaker           | 22                   |
| pine tussock moth, northern   | 26             | poplar sawfly, hairy          | 68     | rednecked cane borer          | 8                    |
| pine web-spinning sawfly      | 19             | poplar seedworm               | 26     | redshouldered pine borer      | 65                   |
| pine web-spinning sawfly, red | 19             | poplar shoot moth             | 15     | redspotted purple             | 42                   |
| pine webworm                  | 58             | poplar sphinx, big            | 51     | redstriped needleworm         | 36                   |
| pine weevil                   | 21             | poplar tentmaker              | 22     | resin midge, jack pine        | 18                   |
| pine weevil, elegant          | 51             | poplar twig-gall fly          | 37     | resin midge, Monterey pine    | 18                   |
| pine weevil, northern         | 56             | poplar vagabond aphid         | 47     | resplendent shield bearer     | 23                   |
| pine weevil, white            | 56             | poplar-and-willow flea weevil | 66     | ribbed budgall wasp           | 16                   |
| pine zale                     | 71             | poplar-willow leafroller      | 17     | roller, sumac leaf tip        | 17                   |
| pink underwing                | 18             | potato leafhopper             | 29     | root collar weevil, pine      | 39                   |
| pinkbacked cutworm            | 41             | potatogall midge, willow      | 61     | root collar weevil, Warren    | 39                   |
| pinkbarred sawfly             | 70             | potato gall wasp, oak         | 49     | rootborer                     | 65                   |
| pinkish dart, smaller         | 27             | pouchgall aphid, elm          | 41     | rootborer, alder              | 65                   |
| pinkstriped oakworm           | 11             | powdery pine needle aphid     | 32     | rootborer, poplar-and-willow  | 65                   |
| pipevine swallowtail          | 15             | prairie tent caterpillar      | 44     | rootweevil, strawberry        | 51                   |
| pistol casebearer             | 23             | praying mantis                | 45     | rootworm, western grape       | 16                   |
| pitch mass borer              | 66             | prionid, brown                | 51     | rose budworm                  | 61                   |
| pitch nodule moth             | 54             | privet leafminer              | 17, 44 | rose chafer                   | 44                   |
| pitch pine tip moth           | 62             | privet sawfly, European       | 44     | rose chafer, green            | 27                   |
| pitch twig moth               | 54             | promethea moth                | 17     | rose flea beetle              | 9                    |
| pitch twig moth, northern     | 54             | prominent, elm                | 43     | rose gall wasp, mossy         | 28                   |
| pith borer                    | 56             | prominent moth                | 37, 49 | rose leafroller               | 36                   |
| pith borer, pine              | 56             | prominent, saddled            | 37     | rose sawfly                   | 9                    |
| pitted ambrosia beetle        | 24             | pruner, hickory twig          | 11     | rosette midge                 | 61                   |
| pitted longhorned beetle      | 13             | pruner, twig                  | 11     | rough flatheaded borer        | 20                   |
| plant bug                     | 22             | psyllid, birch                | 16     | rough stink bug               | 16                   |
| planthopper                   | 46             | psyllid, boxelder             | 16     | roughened darkling beetle     | 69                   |
| plum curculio                 | 23             | punkie                        | 25     | roundblotch miner, basswood   | 55                   |
| plum dagger moth              | 7              | purple, redspotted            | 42     | roundheaded apple-tree borer  | 62                   |
| plum tree underwing           | 18             | purple-striped shootworm      | 71     | rugose June beetle            | 55                   |
| plum web-spinning sawfly      | 49             | purplish-brown looper         | 33     | russet alder leaf beetle      | 16                   |
| plume moth                    | 10, 27, 35, 50 | purse leaf gall aphid         | 67     | rustic borer                  | 71                   |
| plume moth, grape             | 35             | pyralid, striped birch        | 51     | rustic, speckled              | 57                   |
| podgall midge, honeylocust    | 26             | question mark                 | 58     | rusty leaf beetle             | 66                   |
| polyphemus moth               | 12             | ragged spruce gall adelgid    | 56     | rusty tussock moth            | 51                   |
| poplar ambrosia beetle        | 69             | ragweed false looper          | 67     | rusty whitesided caterpillar  | 51                   |
| poplar-and-willow borer       | 25             | raspberry crown borer         | 53     | rustylined leaf-tier          | 22                   |
| poplar-and-willow hornworm    |                | raspberry leafroller          | 50     | sad dagger moth               | 7                    |
| poplar-and-willow rootborer   | 65             | rearhumped caterpillar        | 10     | saddleback looper             | 29                   |
| poplar-and-willow sphinx      | 65             | red admiral                   | 69     | saddled prominent             | 37                   |
| poplar and willow flea weevil | 67             | red and black carpenter ant   | 18     | sallow, goat                  | 38                   |
| poplar aphid                  | 61             | red flour beetle              | 68     | sallow, pinkbarred            | 70                   |
| poplar aphid, smokeywinged    | 19             | red juniper leafminer         | 13     | saltmarsh caterpillar         | 31                   |
| poplar aphid, spotted         | 12             | red maple cambium borer       | 56     | sap beetle                    | 35                   |
| poplar blackmine beetle       | 72             | red pine aphid                | 21     | sap beetle, fourspotted       | 35                   |
| poplar borer                  | 62             | red pine cone beetle          | 23     | Saratoga spittlebug           | 12                   |
| poplar borer, bronze          | 8              | red pine cone borer           | 31     | sassafras leafroller          | 17                   |
| poplar borer, flatheaded      | 27             | red pine flower moth          | 23     | satin moth                    | 42                   |
| poplar branch borer           | 49             | red pine needle midge         | 67     | sawfly                        | 7, 9, 29, 44, 66, 71 |
| poplar budgall mite           | 6              | red pine needle mite          | 64     | sawfly, alder                 | 48                   |
| poplar bulletgall aphid       | 53             | red pine needleminer          | 23     | sawfly, balsam fir            | 48                   |
| poplar caterpillar            | 35             | red pine sawfly               | 48     | sawfly, balsam shoot-boring   | 57                   |
| poplar catkin moth            | 10             | red pine shoot borer          | 62     | sawfly, birch                 | 13, 48, 59           |
| poplar dagger moth            | 7              | red pine shoot moth           | 28     | sawfly, blackheaded ash       | 67                   |
| poplar edge-folding sawfly    | 55             | red pine web-spinning sawfly  | 19     | sawfly, blackheaded jack pine | 48                   |
| poplar felt mite              | 55             | red spruce adelgid            | 56     | sawfly, brownheaded ash       | 68                   |
| poplar flea beetle            | 9              | red swordgrass moth           | 70     | sawfly, cedar                 | 47                   |
| poplar flea weevil            | 67             | red tiger moth, dusky         | 55     | sawfly, cherry                | 37                   |
| poplar gall borer             | 45, 62         | red turpentine beetle         | 27     | sawfly, cherry web-spinning   | 49                   |
| poplar gall mite              | 6              | redbacked cutworm             | 33     | sawfly, chestnut              | 24                   |
| poplar leaf beetle, balsam    | 21             | redbanded leafroller          | 13     | sawfly, dogwood               | 44                   |

|                              |            |                                |                            |                               |                        |
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| sawfly, dusky birch          | 24         | scale, Fletcher                | 53                         | skeletonizer, apple-and-thorn | 20                     |
| sawfly, elm                  | 21, 44     | scale, golden oak              | 14                         | skeletonizer, aspen           | 55                     |
| sawfly, European pine        | 44, 48     | scale, hemlock                 | 6                          | skeletonizer, birch           | 16                     |
| sawfly, European privet      | 44         | scale, juniper                 | 18                         | skeletonizer, maple trumpet   | 30                     |
| sawfly, European spruce      | 35         | scale, Lintner                 | 20                         | skeletonizer, oak             | 16                     |
| sawfly, fringed birch        | 28         | scale, oystershell             | 41                         | skeletonizer, oak trumpet     | 31                     |
| sawfly, giant birch          | 68         | scale, pine needle             | 20                         | skeletonizing sawfly, willow  | 29                     |
| sawfly, greenheaded spruce   | 55         | scale, pine tortoise           | 68                         | skipper, European             | 67                     |
| sawfly, hairy poplar         | 68         | scale, scurfy                  | 20                         | skipper, hobomok              | 57                     |
| sawfly, hairy willow         | 68         | scale, spruce bud              | 56                         | skipper, Indian               | 37                     |
| sawfly, hawthorn             | 65         | scale, tulip tree              | 68                         | skipper, silverspotted        | 30                     |
| sawfly, hawthorn leafmining  | 59         | scale, white pine fungus       | 45                         | slash pine flower thrips      | 35                     |
| sawfly, hickory              | 45         | scallopshell moth              | 38                         | slug caterpillar              | 12, 40, 42, 51, 59, 68 |
| sawfly, honeysuckle          | 71         | scallopshell moth, cherry      | 38                         | slug caterpillar, spiny       | 31                     |
| sawfly, introduced pine      | 28         | scapemoth, yellowcollared      | 22                         | small aspen leaftier          | 6                      |
| sawfly, jack pine            | 48         | scarab beetle                  | 12, 32, 35, 38, 51, 64, 68 | small birch leafminer         | 29                     |
| sawfly, juniper              | 47         | scarletwinged lichen moth      | 39                         | small conifer looper          | 33                     |
| sawfly, larch                | 59         | Scots pine aphid               | 21                         | small leaf chafer             | 64                     |
| sawfly, little spruce        | 59         | sculptured pine borer          | 19                         | small milkweed bug            | 43                     |
| sawfly, mountain-ash         | 59         | scurfy scale                   | 20                         | small oakapple gall wasp      | 11                     |
| sawfly, nursery pine         | 35         | scurfy scale, elm              | 20                         | small pine looper             | 33                     |
| sawfly, oak                  | 13, 16, 53 | seed bug, shieldbacked pine    | 67                         | small spruce weevil           | 56                     |
| sawfly, oak leafmining       | 59         | seed chalcid, balsam fir       | 45                         | smaller pinkish dart          | 27                     |
| sawfly, oakslug              | 16         | seed chalcid, larch            | 45                         | smaller willow shoot sawfly   | 33                     |
| sawfly, onelined larch       | 11         | seed chalcid, spruce           | 45                         | small eyed sphinx             | 52                     |
| sawfly, pear                 | 16         | seed cone maggot, black spruce | 66                         | smeared dagger moth           | 7                      |
| sawfly, pine                 | 48         | seed midge, spruce             | 45                         | smokeywinged poplar aphid     | 19                     |
| sawfly, pine flower          | 70         | seed moth, basswood            | 54                         | smoky moth                    | 29                     |
| sawfly, pine webspinning     | 19         | seed moth, spruce              | 26                         | snout beetle, European        | 55                     |
| sawfly, plum webspinning     | 49         | seed weevil, black locust      | 12                         | snowball aphid                | 19                     |
| sawfly, poplar               | 48         | seedling debarking weevil      | 39                         | snowberry cleanwing           | 37                     |
| sawfly, poplar edgefolding   | 55         | seedminer, Norway maple        | 29                         | soft maple leaf midge         | 26                     |
| sawfly, poplar leaffolding   | 55         | seedworm, eastern pine         | 26                         | soldier beetle                | 58                     |
| sawfly, poplar leafgall      | 55         | seedworm, maple                | 25                         | soldier bug, spined           | 58                     |
| sawfly, poplar leafmining    | 46         | seedworm, poplar               | 26                         | solitary birch leafroller     | 6                      |
| sawfly, red pine             | 48         | serpentine leafminer, aspen    | 55                         | solitary oak leafminer        | 17                     |
| sawfly, red pine webspinning | 19         | serpentine leafminer, grape    | 55                         | sooty wing, common            | 54                     |
| sawfly, redheaded jack pine  | 48         | serpentine leafminer, oak      | 65                         | southern pine engraver        | 40                     |
| sawfly, redheaded pine       | 48         | serviceberry leaffolder        | 11                         | sower wasp, wool              | 17                     |
| sawfly, rose                 | 9          | sevenspotted lady beetle       | 22                         | spangled fritillary, great    | 65                     |
| sawfly, smaller willow shoot | 33         | shadow darter                  | 8                          | spanworm                      | 40                     |
| sawfly, spiny ash            | 32         | sheathminer, pine needle       | 71                         | spanworm, Bruce               | 50                     |
| sawfly, spruce webspinning   | 19         | shield bearer, resplendent     | 23                         | spanworm, cherry              | 32                     |
| sawfly, striped alder        | 37         | shieldbacked pine seed bug     | 67                         | spanworm, cranberry           | 10, 29                 |
| sawfly, Swaine jack pine     | 48         | shoot beetle, pine             | 68                         | spanworm, currant             | 40                     |
| sawfly, threelined larch     | 11         | shoot borer, pine              | 7                          | spanworm, elm                 | 30                     |
| sawfly, trefoil              | 14         | shoot borer, eastern pine      | 31                         | spanworm, false bruce         | 40                     |
| sawfly, viburnum webspinning | 52         | shoot borer, hickory           | 7                          | spanworm, large maple         | 59                     |
| sawfly, webspinning          | 6          | shoot borer, jack pine         | 62                         | spanworm, lesser maple        | 40                     |
| sawfly, white pine           | 48         | shoot borer, maple             | 59                         | spanworm, maple               | 30                     |
| sawfly, willow               | 10, 48, 59 | shoot borer, red pine          | 62                         | spanworm, stout               | 43                     |
| sawfly, willow-and-poplar    | 48         | shoot borer, yellow jack pine  | 62                         | spearmarked black moth        | 62                     |
| sawfly, willow applegall     | 58         | shoot moth, European pine      | 51, 62                     | speckled green fruitworm      | 51                     |
| sawfly, willow gall          | 58         | shoot moth, larch              | 13                         | speckled rustic               | 57                     |
| sawfly, willow leafgall      | 58         | shoot moth, poplar             | 15                         | sphinx, achemon               | 32                     |
| sawfly, willow leaffolding   | 55         | shoot moth, red pine           | 28                         | sphinx, apple                 | 65                     |
| sawfly, willow leafgall      | 58         | shoot moth, walnut             | 7                          | sphinx, azalea                | 26                     |
| sawfly, willow redgall       | 58         | shoot sawfly, smaller willow   | 33                         | sphinx, bedstraw              | 38                     |
| sawfly, willow shoot         | 40         | shoot sawfly, willow           | 40                         | sphinx, big poplar            | 51                     |
| sawfly, willow skeletonizing | 29         | shootboring sawfly, balsam     | 57                         | sphinx, blind eyed            | 52                     |
| sawfly, willow twig-gall     | 33         | shootworm, birch               | 31                         | sphinx, catalpa               | 19                     |
| sawfly, woolly alder         | 31         | shootworm, purplestriped       | 71                         | sphinx, elm                   | 19                     |
| sawfly, woolly butternut     | 31         | shorthorned oakworm            | 11                         | sphinx, great ash             | 65                     |
| sawfly, yellowheaded spruce  | 55         | shothole borer                 | 63                         | sphinx, laurel                | 65                     |
| sawyer, balsam fir           | 47         | shothole borer, larger         | 63                         | sphinx, northern ash          | 65                     |
| sawyer, northeastern         | 47         | shredder, oak leaf             | 24                         | sphinx, pine tree             | 41                     |
| sawyer, opaque               | 14         | shuckworm, hickory             | 26                         | sphinx, poplar-and-willow     | 65                     |
| sawyer, spotted pine         | 47         | silk moth, columbian           | 38                         | sphinx, smalleyed             | 52                     |
| sawyer, whitespotted         | 47         | silkworm, larch                | 38                         | sphinx, twin spot             | 64                     |
| Say blister beetle           | 44         | silverspotted skipper          | 30                         | sphinx, Virginia creeper      | 26                     |
| scale, beech                 | 25         | silvery checkerspot            | 19                         | sphinx, walnut                | 41                     |
| scale, cottony maple         | 61         | Sirex woodwasp                 | 64                         | sphinx, waved                 | 19                     |
| scale, dogwood               | 20         |                                |                            | sphinx, wild-cherry           | 65                     |
| scale, elm scurfy            | 20         |                                |                            | sphinx, willow                | 64                     |
| scale, European elm          | 35         |                                |                            |                               |                        |

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|-------------------------------|------------|--------------------------------|----------------|--------------------------------|------------|
| sphinx, yellowbanded day      | 59         | spruce needleworm, lined       | 13             | tenspotted leaf beetle         | 70         |
| spicebush swallowtail         | 52         | spruce sawfly, European        | 35             | tent caterpillar, eastern      | 44         |
| spider mite, false            | 53         | spruce sawfly, greenheaded     | 56             | tent caterpillar, forest       | 44         |
| spider mite, pine             | 50         | spruce sawfly, little          | 58             | tent caterpillar, northern     | 44         |
| spider mite, spruce           | 50         | spruce sawfly, yellowheaded    | 56             | tent caterpillar, prairie      | 44         |
| spindlelegall mite, maple     | 70         | spruce seed chalcid            | 45             | tentmaker, poplar              | 22         |
| spined assassin bug           | 64         | spruce seed cone maggot, black | 66             | tentmaker, redmarked           | 22         |
| spined soldier bug            | 58         | spruce seed midge              | 45             | termite, eastern subterranean  | 61         |
| spiny ash sawfly              | 32         | spruce seed moth               | 26             | thirteenspotted lady beetle    | 37         |
| spiny elm caterpillar         | 49         | spruce spider mite             | 50             | threebanded lady beetle        | 22         |
| spiny hackberry gall midge    | 19         | spruce spittlebug              | 12             | threelined flatheaded borer    | 20         |
| spiny looper                  | 54         | spruce tipminer, black         | 13             | threelined larch sawfly        | 11         |
| spiny oakworm                 | 11         | spruce tipminer, white         | 13             | threelined leafroller          | 52         |
| spiny slug caterpillar        | 31         | spruce web-spinning sawfly     | 19             | threespotted click beetle      | 25         |
| spirea leaf-tier              | 34         | spruce weevil, small           | 56             | thrips, basswood               | 64         |
| spirea looper                 | 33         | spruce zebra beetle            | 71             | thrips, introduced basswood    | 67         |
| spittlebug, alder             | 22         | spruce-fir looper              | 44             | thrips, pear                   | 67         |
| spittlebug, dogwood           | 22         | squareblotch miner, basswood   | 55             | thrips, slash pine flower      | 35         |
| spittlebug, pine              | 12         | St. Lawrence giant tiger moth  | 57             | tier, aspen twoleaf            | 30         |
| spittlebug, Saratoga          | 12         | stag beetle                    | 43, 57         | tier, pine-and-clover          | 12, 70     |
| spittlebug, spruce            | 12         | stem borer, alder              | 62             | tier, twoleaf                  | 60         |
| spongy oakapple gall wasp     | 10         | stem girdler, currant          | 40             | tiger beetle                   | 21         |
| spotgall midge, tulip         | 67         | stink beetle                   | 49             | tiger moth                     | 35, 36     |
| spotted pine needle aphid     | 32         | stink bug                      | 12, 20, 33, 58 | tiger moth, dusky red          | 55         |
| spotted cutworm               | 70         | stink bug, banasa              | 14             | tiger moth, great              | 13         |
| spotted datana                | 27         | stink bug, dusky               | 33             | tiger moth, little virgin      | 35         |
| spotted oak apple wasp        | 14         | stink bug, fourhumped          | 16             | tiger moth, St. Lawrence giant | 57         |
| spotted pine sawyer           | 47         | stink bug, mottled             | 29             | tiger swallowtail              | 52         |
| spotted poplar aphid          | 12         | stink bug, redcrossed          | 29             | tiger swallowtail, Canadian    | 52         |
| spotted tussock moth          | 43         | stink bug, rough               | 16             | tiny aspen flea beetle         | 24         |
| spotted willow leaf beetle    | 21         | stink bug, twospotted          | 24             | tip midge                      | 50         |
| spring azure                  | 19         | stone fly                      | 61             | tip moth, pine                 | 62         |
| spring cankerworm             | 52         | stout locust looper            | 36             | tip moth, pitch pine           | 62         |
| spring oak leafroller         | 20         | stout spanworm                 | 43             | tip roller, sumac leaf         | 17         |
| spring spruce needle moth     | 13         | strawberry rootweevil          | 51             | tipminer, balsam fir           | 13         |
| spruce adelgid, red           | 56         | striped alder sawfly           | 37             | tipminer, black spruce         | 13         |
| spruce aphid                  | 21         | striped ambrosia beetle        | 69             | tipminer, white spruce         | 13         |
| spruce aphid, green           | 21         | striped birch pyralid          | 51             | tobacco hornworm               | 45         |
| spruce bark beetle            | 54, 63     | striped caterpillar            | 26             | tobacco moth                   | 30         |
| spruce bark beetle, four-eyed | 58         | striped cutworm                | 33             | tomato fruitworm               | 36         |
| spruce beetle                 | 27         | striped garden caterpillar     | 41             | tomato hornworm                | 45         |
| spruce bud midge              | 26         | striped green looper           | 46             | tortoise beetle, argus         | 20         |
| spruce bud moth               | 71         | striped hairstreak             | 62             | tortoise beetle, green         | 18         |
| spruce bud scale              | 56         | striped oak webworm            | 57             | tortoise scale, pine           | 68         |
| spruce budworm                | 20         | striped sumac leafroller       | 48             | tortoise-shell, Compton        | 49         |
| spruce budworm, yellow        | 71         | striped willow leaf beetle     | 28             | tortoiseshell, Milbert's       | 49         |
| spruce caterpillar, tufted    | 52         | stupid treehopper              | 18             | tortrixid oakworm              | 13         |
| spruce climbing cutworm       | 66         | subterranean termite, eastern  | 61             | tortrix, large aspen           | 20         |
| spruce cone axis midge        | 41         | sugar maple borer              | 35             | transverse banded ash looper   | 38         |
| spruce cone gall midge        | 41         | sulphur, clouded               | 23             | transverse lady beetle         | 22         |
| spruce cone geometer          | 32         | sumac aphid                    | 46             | transversebanded looper        | 38         |
| spruce cone looper            | 33         | sumac bark beetle              | 56             | tree underwing, plum           | 18         |
| spruce cone maggot, white     | 66         | sumac caterpillar              | 45             | treehopper                     | 26, 50, 67 |
| spruce cone moth              | 13         | sumac leaf beetle              | 15             | treehopper, aspen              | 67         |
| spruce coneworm               | 28         | sumac leaf tip roller          | 17             | treehopper, stupid             | 18         |
| spruce cutworm, gray          | 70         | sumac leafroller               | 31             | treehopper, twomarked          | 30         |
| spruce engraver, northern     | 40         | sumac leafroller, striped      | 48             | tree leafroller, fruit         | 71         |
| spruce false looper           | 66         | sumac micro moth               | 38, 60, 63, 67 | tree looper, deciduous         | 63         |
| spruce gall adelgid           | 8          | Swaine jack pine sawfly        | 48             | tree scale, tulip              | 68         |
| spruce gall adelgid, Cooley   | 8          | swallowtail, black             | 52             | trefoil sawfly                 | 14         |
| spruce gall adelgid, eastern  | 8          | swallowtail, Canadian tiger    | 52             | tremex, pigeon                 | 68         |
| spruce gall adelgid, pale     | 8          | swallowtail, pipevine          | 15             | triangle leafroller, white     | 22         |
| spruce gall adelgid, ragged   | 56         | swallowtail, spicebush         | 52             | trumpet miner, appleleaf       | 68         |
| spruce gall midge             | 45         | swallowtail, tiger             | 52             | trumpet skeletonizer, maple    | 30         |
| spruce harlequin              | 52         | sweetfern leaf casebearer      | 7              | trumpet skeletonizer, oak      | 31         |
| spruce looper, gray           | 18         | sweetfern underwing            | 18             | tube moth, jack pine           | 13         |
| spruce micro moth             | 23, 30     | swordgrass moth                | 70             | tube moth, pine                | 13         |
| spruce needle moth            | 13         | swordgrass moth, dot-and-dash  | 70             | tubemaker                      | 7          |
| spruce needle moth, fall      | 13         | swordgrass moth, red           | 70             | tubemaker, alder               | 7          |
| spruce needle moth, spring    | 13         | sycamore lace bug              | 24             | tubemaker, birch               | 7          |
| spruce needleminer            | 23, 30, 67 | sycamore tussock moth          | 36             | tubemaker, ironwood            | 7          |
| spruce needleminer, European  | 30         | sycamore webworm               | 57             | tubemaker, orange larch        | 23         |
| spruce needleminer, orange    | 23         | tamarack cone maggot           | 66             | tufted apple bud moth          | 57         |
| spruce needleworm             | 37         | tamarack looper                | 33             | tufted pine caterpillar        | 52         |

|                               |    |                               |            |                                |            |
|-------------------------------|----|-------------------------------|------------|--------------------------------|------------|
| tufted spruce caterpillar     | 52 | velleda lappet moth           | 68         | weevil, birch and alder flea   | 62         |
| tufted white pine caterpillar | 52 | velvet gall mite              | 6          | weevil, black elm bark         | 44         |
| tulip spotgall midge          | 67 | ventrally-spotted buprestid   | 16         | weevil, black locust seed      | 12         |
| tuliptree leafminer           | 49 | viburnum borer                | 66         | weevil, black vine             | 51         |
| tulip tree scale              | 68 | viburnum leafroller           | 50         | weevil, clover leaf            | 39         |
| tupelo leafminer              | 12 | viburnum web-spinning sawfly  | 52         | weevil, Couper collar          | 39         |
| turpentine beetle, red        | 27 | viceroy                       | 42         | weevil, elegant pine           | 51         |
| tussock moth                  | 26 | vine weevil, black            | 51         | weevil, hollyhock              | 12         |
| tussock moth, hardwood        | 26 | virgin tiger moth, little     | 35         | weevil, leafrolling            | 14         |
| tussock moth, hickory         | 43 | Virginia creeper sphinx       | 26         | weevil, northern pine          | 56         |
| tussock moth, milkweed        | 31 | Virginian ctenucha            | 25         | weevil, pale green             | 58         |
| tussock moth, northern pine   | 26 | "witches'-broom" mite, birch  | 19         | weevil, pales                  | 39         |
| tussock moth, pale            | 36 | w-marked cutworm              | 64         | weevil, pine                   | 21         |
| tussock moth, pine            | 26 | walkingstick                  | 27         | weevil, pine gall              | 58         |
| tussock moth, rusty           | 51 | walnut caterpillar            | 27         | weevil, pine root collar       | 39         |
| tussock moth, spotted         | 43 | walnut lace bug               | 24         | weevil, poplar and willow flea | 67         |
| tussock moth, sycamore        | 36 | walnut shoot moth             | 7          | weevil, poplar flea            | 67         |
| tussock moth, white-marked    | 51 | walnut sphinx                 | 41         | weevil, seedling debarking     | 39         |
| twicestabbed lady beetle      | 20 | Warren root collar weevil     | 39         | weevil, small spruce           | 56         |
| twig aphid, balsam            | 47 | wart gall midge, linden       | 18         | weevil, Warren root collar     | 39         |
| twig borer, amelanchier       | 56 | warty birch caterpillar       | 28         | weevil, white pine             | 56         |
| twig borer, boxelder          | 59 | wasp                          | 10         | weevil, willow flea            | 40         |
| twig borer, cottonwood        | 36 | wasp, gall                    | 7,11       | western grape rootworm         | 16         |
| twig borer, dogwood           | 49 | wasp, gouty oak gall          | 17         | wheat wireworm                 | 8          |
| twig borer, hickory           | 11 | wasp, horned oak gall         | 16         | white admiral                  | 42         |
| twig borer, locust            | 29 | wasp, large oakapple gall     | 10         | white cutworm                  | 33         |
| twig borer, maple             | 59 | wasp, mossy rose gall         | 28         | white lichen moth, little      | 22         |
| twiggall fly, poplar          | 37 | wasp, oak figgall             | 70         | white oak club gall wasp       | 16         |
| twig-gall midge, willow       | 61 | wasp, oak gall                | 16, 28, 49 | white pine aphid               | 21         |
| twig-gall sawfly, willow      | 33 | wasp, oak leafgall            | 17         | white pine bark miner          | 45         |
| twig moth, northern pitch     | 54 | wasp, oak potato gall         | 49         | white pine caterpillar, tufted | 52         |
| twig moth, pitch              | 54 | wasp, ribbed budgall          | 16         | white pine cone beetle         | 23         |
| twig pruner                   | 11 | wasp, small oakapple gall     | 11         | white pine cone borer          | 31         |
| twig pruner, hickory          | 11 | wasp, spongy oakapple gall    | 10         | white pine false looper        | 71         |
| twinspot sphinx               | 64 | wasp, spotted oak apple       | 14         | white pine fungus scale        | 45         |
| twinspotted budworm           | 36 | wasp, white oak club gall     | 16         | white pine looper              | 63         |
| twoleaf tier                  | 60 | wasp, wool sower              | 17         | white pine needle midge        | 61         |
| twoleaf tier, aspen           | 30 | wasp, woolly blossomgall      | 17         | white pine needle mite         | 69         |
| twolined aspen looper         | 43 | water bug, giant              | 42         | white pine needleminer         | 49         |
| twolined cantharid            | 10 | waterlily leaf beetle         | 34         | white pine sawfly              | 48         |
| twolined chestnut borer       | 8  | waved sphinx                  | 19         | white pine weevil              | 56         |
| twomarked treehopper          | 30 | webbing coneworm              | 28         | white spruce cone maggot       | 66         |
| two-pronged looper            | 64 | web-spinning sawfly           | 6          | white spruce tipminer          | 13         |
| twospotted click beetle       | 25 | web-spinning sawfly, cherry   | 49         | white triangle leafroller      | 22         |
| twospotted lady beetle        | 8  | web-spinning sawfly, pine     | 19         | white underwing                | 18         |
| twospotted stink bug          | 24 | web-spinning sawfly, plum     | 49         | white-faced hornet             | 70         |
| uglynest caterpillar          | 13 | web-spinning sawfly, red pine | 19         | whitemarked tussock moth       | 51         |
| underwing, blueberry          | 18 | web-spinning sawfly, spruce   | 19         | whitesided caterpillar, rusty  | 51         |
| underwing, briseis            | 18 | web-spinning sawfly, viburnum | 52         | whitespotted sawyer            | 47         |
| underwing, copper             | 10 | webworm                       | 9, 18, 24  | whitestockinged black fly      | 64         |
| underwing, darling            | 18 | webworm, ailanthus            | 14         | wild cherry looper             | 43         |
| underwing, gray-blue          | 18 | webworm, aspen                | 57         | wild-cherry sphinx             | 65         |
| underwing, hickory            | 18 | webworm, blueberry            | 58         | willow-and-poplar leaf beetle  | 21         |
| underwing, ilia               | 18 | webworm, euonymus             | 71         | willow-and-poplar leafroller   | 36         |
| underwing, locust             | 32 | webworm, fall                 | 39         | willow-and-poplar sawfly       | 48         |
| underwing moth                | 18 | webworm, hickory              | 13         | willow-poplar looper           | 63         |
| underwing, oncemarried        | 18 | webworm, juniper              | 28         | willow aphid                   | 19         |
| underwing, pink               | 18 | webworm, larch                | 57         | willow aphid, black            | 61         |
| underwing, plum tree          | 18 | webworm, lesser aspen         | 46         | willow aphid, giant            | 69         |
| underwing, sweetfern          | 18 | webworm, maple                | 57         | willow applegall sawfly        | 58         |
| underwing, white              | 18 | webworm, mimosa               | 38         | willow argid                   | 13         |
| underwing, yellowbanded       | 18 | webworm, oak                  | 13         | willow beaked gall midge       | 45         |
| underwing, yellowgray         | 18 | webworm, pale juniper         | 8          | willow borer                   | 66         |
| unicorn caterpillar           | 62 | webworm, parsnip              | 27         | willow cabbagegall midge       | 61         |
| vagabond aphid, poplar        | 47 | webworm, pine                 | 58         | willow dagger moth             | 7          |
| vagabond crambus              | 9  | webworm, pine false           | 6          | willow flea beetle             | 9          |
| variable caterpillar          | 61 | webworm, striped oak          | 57         | willow flea weevil             | 40         |
| variable oakleaf caterpillar  | 43 | webworm, sycamore             | 57         | willow gall limb borer         | 8          |
| variable redmarked looper     | 46 | weevil                        | 42, 44, 63 | willow gall midge              | 26         |
| variant, onespotted           | 39 | weevil, apple flea            | 62         | willow gall midge, basket      | 61         |
| variegated cutworm            | 53 | weevil, balsam bark           | 56         | willow gall midge, clustered   | 45         |
| variegated fritillary         | 33 | weevil, balsam fir            | 56         | willow gall sawfly             | 58         |
| vein midge, gouty             | 26 | weevil, bark                  | 56         | willow lace bug                | 24         |
| veingall midge, juneberry     | 22 | weevil, birch catkin          | 12         | willow leaf beetle             | 16, 35, 69 |

|                              |               |                          |    |
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| willow leaf beetle, American | 55            | yellownecked caterpillar | 27 |
| willow leaf beetle, brown    | 69            | zale, pine               | 71 |
| willow leaf beetle, gray     | 69            | zebra beetle, spruce     | 71 |
| willow leaf beetle, imported | 56            | zebra caterpillar        | 45 |
| willow leaf beetle, spotted  | 21            | Zimmerman pine moth      | 28 |
| willow leaf beetle, striped  | 28            |                          |    |
| willow leafblotch miner      | 55            |                          |    |
| willow leaffolder            | 11            |                          |    |
| willow leaffolding sawfly    | 55            |                          |    |
| willow leafgall mite         | 6             |                          |    |
| willow leafgall sawfly       | 58            |                          |    |
| willow leafminer             | 46            |                          |    |
| willow leafroller            | 30, 36        |                          |    |
| willow leaftier              | 13, 30, 49    |                          |    |
| willow lippedgall midge      | 69            |                          |    |
| willow looper                | 63            |                          |    |
| willow nodulegall midge      | 61            |                          |    |
| willow pinecone gall midge   | 61            |                          |    |
| willow potatogall midge      | 61            |                          |    |
| willow redgall sawfly        | 58            |                          |    |
| willow sawfly                | 10, 48, 59    |                          |    |
| willow sawfly, hairy         | 68            |                          |    |
| willow shoot sawfly          | 40            |                          |    |
| willow shoot sawfly, smaller | 33            |                          |    |
| willow skeletonizing sawfly  | 29            |                          |    |
| willow sphinx                | 64            |                          |    |
| willow twig-gall midge       | 61            |                          |    |
| willow twig-gall sawfly      | 33            |                          |    |
| wing, common sooty           | 54            |                          |    |
| winter moth                  | 50            |                          |    |
| wireworm, wheat              | 8             |                          |    |
| witch-hazel caterpillar      | 27            |                          |    |
| witch-hazel cone-gall aphid  | 38            |                          |    |
| witch-hazel leafblotch miner | 17            |                          |    |
| witch-hazel leafroller       | 60            |                          |    |
| witch hazel gall aphid       | 36            |                          |    |
| wood borer                   | 71            |                          |    |
| wood borer, flatheaded       | 8, 11, 16, 20 |                          |    |
| wood borer, longhorned       | 46, 47        |                          |    |
| wood cockroach, Pennsylvania | 53            |                          |    |
| wood nymph, beautiful        | 32            |                          |    |
| wood nymph, pearly           | 32            |                          |    |
| woodwasp, Sirex              | 64            |                          |    |
| wool sower wasp              | 17            |                          |    |
| woolly adelgid, balsam       | 8             |                          |    |
| woolly alder aphid           | 59            |                          |    |
| woolly alder aphid, false    | 60            |                          |    |
| woolly alder sawfly          | 31            |                          |    |
| woolly apple aphid           | 31            |                          |    |
| woolly blossomgall wasp      | 17            |                          |    |
| woolly butternut sawfly      | 31            |                          |    |
| woolly elm aphid             | 31            |                          |    |
| woolly hawthorn aphid        | 31            |                          |    |
| woolly pineneedle aphid      | 62            |                          |    |
| woollybear                   | 65            |                          |    |
| woollybear, banded           | 61            |                          |    |
| woollybear, yellow           | 65            |                          |    |
| yellow birch aphid           | 31            |                          |    |
| yellow birch leaffolder      | 11            |                          |    |
| yellow jack pine shoot borer | 62            |                          |    |
| yellow spruce budworm        | 71            |                          |    |
| yellow woollybear            | 65            |                          |    |
| yellowbanded day sphinx      | 59            |                          |    |
| yellowbanded underwing       | 18            |                          |    |
| yellowcollared scapemoth     | 22            |                          |    |
| yellowgray underwing         | 18            |                          |    |
| yellowheaded aspen leaftier  | 30            |                          |    |
| yellowheaded cutworm         | 12            |                          |    |
| yellowheaded fireworm        | 6             |                          |    |
| yellowheaded spruce sawfly   | 56            |                          |    |
| yellowjacket, aerial         | 70            |                          |    |
| yellowlined caterpillar      | 47            |                          |    |
| yellowlined conifer looper   | 22            |                          |    |
| yellowmarked caterpillar     | 61            |                          |    |



