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A TENTATIVE CATALOGUE OF HOST PLANTS  
OF APHIDOIDEA IN JAPAN

By HIROMICHI HIGUCHI and MASAHISA MIYAZAKI  
Entomological Institute, Faculty of Agriculture  
Hokkaido University, Sapporo

INTRODUCTION

The purpose of the present catalogue is to offer the records of relationship between Japanese Aphidoidea and their host plants. The Aphidoidea are interesting insects not only from the viewpoint of biology but also of great importance in economic entomology and plant virology. The study of the relationship between Aphidoidea and their host plants is indispensable and fundamental. A great deal of taxonomic and biological works on Japanese Aphidoidea have been published by Matsumura, Shinji, Takahashi and many others. The fauna of Aphidoidea in Japan is comparatively rich, including about 680 described species. In entomology and plant virology a publication of general catalogue of host plants of Japanese Aphidoidea has been demanded for a long time. However, no one has attempted to publish any such catalogue except the simple host plant list given by Shinji (1941).

The present catalogue is divided into the following three parts: -

- Part I Host Plant - Aphid Catalogue
- Part II Aphid - Host Plant Catalogue
- Part III Bibliography

In this catalogue, references are made only to the entomological literature including a great majority of taxonomic papers and some biological or economic papers concerned, which were published before 1969. The nomenclature of each species of the Aphidoidea mentioned in this catalogue is not always valid, and there are some ones which are still opened to discussion. We will work out the problem in other papers in future. The classification and nomenclature of the higher categories of the Aphidoidea used in this catalogue are based on the system proposed by Kennedy, Day and Eastop (1962). Those of the host plants are followed after Ohwi's "Flora of Japan" (1965).

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PART I HOST PLANT - APHID CATALOGUE

The names of host plants are listed alphabetically within a genus and the generic names within a family, whereas the higher categories are arranged in their systematic order. Doubtful host plants are indicated by an asterisk (\*) in front of the names of the aphids. The Japanese names of the host plants are shown between the quotation marks behind the scientific names. The arabic figures indicate the references listed in Part III.

|        |   |  |   |
|--------|---|--|---|
|        | <u>BRYOPHYTA</u>                            |  | OSMUNDACEAE   |
| Mosses |   |  | <u>Osmunda claytoniana</u> "Oni-zemmai"                     |
|        | <i>Schlechtendalia chinensis</i> 80         |  | <i>Micromyzus osmundae</i> 43, 195                          |
|        | <u>TRACHEOPHYTA</u>                         |  | <u>Osmunda japonica</u> "Zemmai"                            |
|        | <u>FILICINEAE</u>                           |  | <i>Utamphorophora filicis</i> 43                            |
| Ferns  |   |  | PTERIDACEAE   |
|        | <i>Amphorophora ampullata</i> 104, 119      |  | <u>Pteridium aquilinum</u> var. <u>latiusculum</u> "Warabi" |
|        | <i>Chaitophorus shidae</i> 111              |  | <i>Shinjia pteridifoliae</i> 43, 55, 90, 119, 133,          |
|        | <i>Macromyzus polypodicola</i> 43, 195, 210 |  | 137   |
|        | <i>Macromyzus woodwardiae</i> 180           |  | ASPIDIACEAE   |
|        | <i>Micromyzodium polypodii</i> 43, 195      |  | <u>Athyrium pycnosorum</u> "Miyama-shike-shida"             |

Amphorophora ampullata 43  
 Micromyzus nikkoensis 43  
Athyrium yokoscense "Hebi-no-negoza"  
 Amphorophora ampullata 43  
 Utamphorophora filicis 43  
Dryopteris austriaca "Shirane-warabi"  
 Amphorophora ampullata 37  
 Utamphorophora filicis 43  
Dryopteris crassirhizoma "O-shida"  
 \*Chaitophorus shidai 83  
Dryopteris monticola "Miyama-beni-shida"  
 Macromyzus woodwardiae 43  
Dryopteris varia "Itachi-shidamodoki"  
 Macromyzus woodwardiae 63  
Lastrea quelpaertensis "Ôba-shorima"  
 Amphorophora ampullata 43  
 Amphorophora scabripes 43  
Rumohra mutica "Shinobu-kaguma"  
 Macromyzus woodwardiae 43  
GYMNOSPERMAE  
 TAXACEAE  
Taxus cuspidata "Ichii"  
 Elatobium momii 119  
Taxus cuspidata var. nana "Kyara-boku"  
 Elatobium momii 119  
 PODOCARPACEAE  
Podocarpus macrophyllus "Inu-maki"  
 Neophyllaphis podocarpi 133  
Podocarpus macrophyllus var. maki "Maki"  
 Neophyllaphis podocarpi 82, 119  
Podocarpus sp.  
 Neophyllaphis podocarpi 161  
 PINACEAE  
Abies firma "Momi"  
 Cinara abietis 24  
 Cinara longipennis 24, 86, 111, 119  
 Cinara todocola 20, 22, 24  
 Cinara momii 84, 87, 119, 183  
 Mindarus abietis 119  
 Mindarus japonicus 138  
Abies sachalinensis "Aka-todo-matsu"  
 Aphrastasia pectinatae 21  
 Cinara hattorii 20, 22, 31  
 Cinara konoi 22  
 Cinara longipennis 20, 22, 35  
 Cinara todocola 15, 20, 22  
 Hyalopterus abietinus 35  
 Mindarus abietinus 36  
 Mindarus japonicus 22  
 Nippolachnus abietinus 35  
 Prociphilus oriens 20, 22  
 Todolachnus abietis 24, 35  
 \*Yamatocallis hirayamae 35  
Abies sachalinensis var. mayriana "Ao-todo-matsu"  
 Aphrastasia pectinatae 21

Cinara konoi 20  
 Cinara longipennis 20  
 Cinara todocola 20  
 Dreyfusia todomatsui 21  
 Mindarus japonicus 20  
 Prociphilus oriens 20  
 Todolachnus abietis 20  
 Tuberolachnus todocolus 14  
Abies sp.  
 Cinara longipennis 24, 110, 118  
 Cinara todocola 24  
 Cinara todoe 111, 119  
 Hyalopterus abietinus 119  
 Mindarus abietis 119  
 Nippolachnus abietinus 119  
 Prociphilus bumeliae 119  
 Prociphilus laricis 119  
 Todolachnus abietis 24, 119  
Larix europaea "Yôroppa-kara-matsu"  
 Cinara laricicola 23, 24  
Larix gmelini "Gui-matsu"  
 Adelges laricis 21  
 Cholodkovskya viridana 21  
 Cinara laricicola 23, 24  
 Cinara taeniata 20, 21  
Larix leptolepis "Kara-matsu"  
 Adelges laricis 21  
 Cholodkovskya viridana 21, 96  
 Cinara chibi 23, 24  
 Cinara kochiana kochi 19, 20, 22, 23, 24  
 Cinara laricicola 19, 23, 24, 35  
 Cinara laricis 20, 22, 23, 24, 111, 119  
 Cinara taeniata 20, 22  
 Pemphigus niishimae 127  
 Prociphilus bumeliae 119  
 Prociphilus kuwanai 65, 98  
 Prociphilus ushikoroshi 98  
 Sacchiphantes kitamiensis 25  
Larix olgensis var. koreana "Chôsen-kara-matsu"  
 Adelges laricis 21  
 Cholodkovskya viridana 21  
 Cinara kochiana kochi 23, 24  
 Cinara laricicola 23, 24  
Larix sp.  
 Cinara laricis 158  
Picea canadensis "Kanada-tôhi"  
 Aphrastasia pectinatae 15, 18, 21  
 Cinara vanduzeei 16, 20, 22  
 Lachniella costata 16, 20, 22  
Picea excelsa "Yôroppa-tôhi"  
 Cinara ezoana 20, 22  
 Cinara vanduzeei 16, 20, 22  
 Lachniella costata 20, 22  
 Pineus konowashiyai 21  
Picea glehni "Aka-ezo-matsu"

- Aphrastasia pectinatae 18, 21  
Cinara ezoana 14, 20, 22  
Cinara pinicola 16, 20, 22  
Lachniella costata 20, 22  
Pineus cembrae 21  
Prociphilus konoi 12, 20, 22  
Picea jezoensis "Ezo-matsu"  
Adelges japonicus 18, 21  
Aphrastasia pectinatae 21  
Cinara ezoana 14, 20, 22  
Cinara horii 17, 20, 22  
Cinara vanduzeei 16, 20, 22  
Elatobium momii 19, 20, 22  
Lachniella costata 20, 22  
Sacchiphantes karafutonis 21  
Picea jezoensis var. hondoensis "Tōhi"  
Chermes japonicus 48, 49, 127  
Elatobium momii 119  
Picea polita "Hari-momi"  
Aphrastasia tsuga 21  
Pineus orientalis 21  
Picea sitchensis "Shitoka-hari-momi"  
Adelges japonicus 18, 21  
Aphrastasia pectinatae 15, 18, 21  
Pinus densiflora "Aka-matsu"  
Cinara formosana 19, 119  
Cinara pini 19, 20, 22, 111  
Cinara pinidensiflorae 3, 19, 20, 22, 111, 119  
Eulachnus thunbergii 19, 20, 22, 111, 119  
Lachnus longicorpi 83  
Pineus matsumurai 64  
Pineus orientalis 64  
Schizolachnus orientalis 133  
Stomaphis quercus pini 119, 182  
Pinus koraiensis "Chōsen-goyō"  
Pineus cembrae 21  
Pineus hosoyai 21  
Pinus luchuensis "Ryūkyū-matsu"  
Cinara formosana 119, 161  
Cinara pini 161  
Eulachnus thunbergii 119  
Schizolachnus orientalis 161  
Pinus montana "Montana-matsu"  
Eulachnus thunbergii 20, 22  
Pinus parviflora "Hime-komatsu"  
Cinara shinjii 17, 20, 22, 82, 111, 119  
Pineus cembrae 21  
Pineus harukawai 21  
Pinus parviflora var. pentaphylla "Kita-goyō"  
Pineus harukawai 21  
Pinus pumila "Hai-matsu"  
Cinara cembrae 20, 22  
Eulachnus pumilae 19, 20, 22  
Pineus cembrae 21  
Pinus strobus "Sutorobu-matsu"  
Pineus harukawai 21  
Pinus thunbergii "Kuro-matsu"  
Cinara pini 20, 22, 111, 119  
Eulachnus thunbergii 119  
Lachnus inflatus 83  
Lachnus longicorpi 83  
Pineus laevis 21  
Pineus matsumurai 21  
Pineus orientalis 21  
Pineus pini 21  
Pineus sylvestris 21  
Pinus sp.  
Eulachnus thunbergii 70  
Pineus hosoyai 21  
Schizolachnus orientalis 119  
Tsuga sieboldii "Tsuga"  
Mindarus abietis 119  
Tsugaphis sorini 170  
CUPRESSACEAE  
Thuja orientalis "Konote-gashiwa"  
Cinara tujafilina 210  
Thuja standishi "Kurobe"  
Cinara tujafilina 111  
ANGIOSPERMAE  
MONOCOTYLEDONEAE  
ALISMATACEAE  
Sagittaria trifolia "Omodaka"  
Rhopalosiphum nymphaeae 127  
Sagittaria trifolia var. edulis "Kuwai"  
Rhopalosiphum nymphaeae 2, 10, 65, 119, 127  
Sagittaria sp.  
Rhopalosiphum nymphaeae 35  
GRAMINEAE  
Agropyron ciliare var. minus "Ao-kamoji-gusa"  
Anoecia fulviabdominalis 209  
Rhopalosiphum rufiabdominalis 208, 209  
Tetraneura nigriabdominalis 209  
Agropyron tsukushiense var. transiens "Kamoji-gusa"  
Anoecia fulviabdominalis 208, 209  
Geoica lucifuga 209  
Rhopalosiphum padi 65  
Rhopalosiphum rufiabdominalis 208, 209  
Tetraneura nigriabdominalis 208, 209  
Agrostis alba "Konuka-gusa"  
Macrosiphum avenae akebiae 10, 65  
Rhopalosiphum padi 7, 10, 65  
Agrostis clavata var. nukabo "Nukabo"  
Tetraneura nigriabdominalis 208, 209  
Alopecurus aequalis "Suzume-no-teppō"  
Anoecia fulviabdominalis 209  
Macrosiphum avenae akebiae 27, 65  
Rhopalosiphum padi 27  
Rhopalosiphum rufiabdominalis 208, 209  
Tetraneura nigriabdominalis 209

Alopecurus japonicus "Seto-gaya"  
Tetraneura nigriabdominalis 208

Alopecurus sp.  
Aphis craccivora 135

Andropogon sp.  
Rhopalosiphum padi 35, 65

Arundinaria chino "Azuma-ne-zasa"  
Takecallis arundicolens 3

Arundinaria pygmaea var. glabra "Ne-zasa"  
Melanaphis bambusae 139

Arundinaria simonii "Me-dake"  
Glyphinaphis bambusae 119, 142  
Oregma qanici 212

Arundinaria sp.  
Hyalopterus pruni 35  
Melanaphis bambusae 161  
Takecallis arundicolens 159  
Takecallis arundinariae 159  
Takecallis sasae 3

Avena sativa "Ma-karasu-mugi"  
Anoecia fulviabdominalis 65  
Macrosiphum avenae akebiae 10, 27, 65  
Rhopalosiphum maidis 27  
Rhopalosiphum padi 7, 10, 27

Avena sp.  
Anoecia fulviabdominalis 36  
Macrosiphum avenae akebiae 35  
Rhopalosiphum padi 35

Bamboos  
Ceratovacuna japonica 171  
Melanaphis bambusae 139  
Oregma uscae 210  
Prociphilus bumeliae 119  
Prociphilus take 119  
Takecallis arundicolens 119, 159, 210  
Takecallis arundinariae 3, 111, 159, 200

Bambusa sp.  
Astegopteryx bambusifoliae 160  
Ceratovacuna japonica 158  
Melanaphis bambusae 70  
Takecallis arundinariae 160  
Takecallis taiwanus 159

Bromus sp.  
Macrosiphum avenae akebiae 35, 65  
Rhopalosiphum padi 35, 65

Calamagrostis arundinacea "No-gariyasu"  
Watabura nishiyae 85

Coix lacryma-jobi var. ma-yuen "Hato-mugi"  
Rhopalosiphum maidis 27

Cymbopogon tortilis "O-garukaya"  
Pemphigus andropogiae 86  
Watabura nishiyae 119

Cynodon dactylon "Gyōgi-shiba"  
Tetraneura yezoensis 48

Dactylis glomerata "Kamo-gaya"  
Macrosiphum avenae akebiae 10, 65  
Rhopalosiphum padi 7, 10, 65  
Tetraneura nigriabdominalis 209  
Tetraneura ulmi 10, 65

Digitaria adscendens "Me-hi-shiba"  
Anoecia fulviabdominalis 10, 65, 208, 209  
Geoica lucifuga 209  
Macrosiphum avenae akebiae 10, 27, 65  
Rhopalosiphum maidis 27  
Rhopalosiphum padi 10, 27, 65, 208, 209  
Tetraneura nigriabdominalis 208, 209  
Tetraneura yezoensis 47  
Toxoptera mehijiwae 213

Digitaria violascens "Aki-me-hi-shiba"  
Macrosiphum avenae akebiae 27

Dimeria ornithopoda var. tenera "Karimata-gaya"  
Geoica lucifuga 209  
Tetraneura nigriabdominalis 209

Eccoilopus cotulifer "Abura-susuki"  
Macrosiphum yasumatsui 70, 197

Echinochloa crus-galli "Inu-bie"  
Anoecia fulviabdominalis 10, 65, 208, 209  
Rhopalosiphum padi 7, 10, 65  
Rhopalosiphum rufiabdominalis 208, 209  
Tetraneura nigriabdominalis 208, 209  
Tetraneura yezoensis 10, 65

Echinochloa crus-galli var. frumentaceum "Hie"  
Anoecia fulviabdominalis 10, 65, 119, 209  
Rhopalosiphum maidis 65, 119  
Rhopalosiphum padi 7, 10, 65, 119, 127  
Rhopalosiphum rufiabdominalis 209  
Tetraneura nigriabdominalis 209  
Tetraneura yezoensis 10, 48, 65

Eleusine coracana "Shikoku-bie"  
Rhopalosiphum padi 10, 65

Eleusine indica "O-hi-shiba"  
Macrosiphum avenae akebiae 27  
Rhopalosiphum maidis 27  
Rhopalosiphum padi 27  
Tetraneura nigriabdominalis 208, 209

Elymus sp.  
Rhopalosiphum padi 35, 65

Eragrostis ferruginea "Kaze-kusa"  
Tetraneura nigriabdominalis 208, 209

Eragrostis multicaulis "Niwa-hokori"  
Macrosiphum avenae akebiae 27  
Tetraneura nigriabdominalis 208, 209

Eragrostis sp.  
Anoecia fulviabdominalis 36, 65

Holcus lanatus "Shirage-gaya"  
Anoecia fulviabdominalis 65

Holcus sorghum var. japonicus "Morokoshi"  
Prociphilus bumeliae 119  
Rhopalosiphum maidis 27  
Rhopalosiphum padi 10, 27, 65

Holcus sorghum var. transiens "Hōki-morokoshi"  
 Rhopalosiphum padi 7

Hordeum vulgare "Ō-mugi"  
 Anoecia fulviabdominalis 208, 209  
 Macrosiphum avenae akebiae 10, 27, 28, 65, 71  
 Paracletus cimiciformis 208, 209  
 Rhopalosiphum maidis 27, 28, 65, 70  
 Rhopalosiphum padi 2, 7, 10, 27, 28, 65  
 Rhopalosiphum rufiabdominalis 208, 209  
 Tetraneura nigriabdominalis 208, 209

Hordeum vulgare var. nudum "Hadaka-mugi"  
 Macrosiphum avenae akebiae 65  
 Rhopalosiphum padi 65, 70  
 Schizaphis graminum (?) 65

Hordeum sp.  
 Rhopalosiphum padi 35

Imperata cylindrica var. koenigii "Chigaya"  
 Anoecia fulviabdominalis 208, 209  
 Tetraneura nigriabdominalis 208, 209

Lolium temulentum "Doku-mugi"  
 Anoecia fulviabdominalis 65

Lolium sp.  
 Anoecia fulviabdominalis 36

Melica sp.  
 Rhopalosiphum padi 35, 65

Microstegium vimineum var. polystachyum "Ashi-boso"  
 Astegopteryx styracophila 80  
 Ceratovacuna nekoashi 133  
 Macrosiphum avenae akebiae 65  
 Macrosiphum pollinae 86

Miscanthus sinensis "Susuki"  
 Anoecia fulviabdominalis 208, 209  
 Ceratovacuna lanigera 119, 133  
 Longiunguis sacchari 65, 119  
 Macrosiphum avenae akebiae 65  
 Oregma lanigera 212  
 Rhopalosiphum maidis 65, 119  
 Semiaphis montana 119

Miscanthus sp.  
 Ceratovacuna lanigera 173  
 Longiunguis sacchari 70, 161

Oplismenus undulatifolius "Chijimi-zasa"  
 Ceratovacuna nekoashi 82, 119  
 Macrosiphum avenae akebiae 27

Oplismenus sp.  
 Ceratovacuna nekoashi 173

Oryza sativa "Ine"  
 Anoecia fulviabdominalis 10, 65, 78, 145, 208, 209  
 Geoica lucifuga 209  
 Macrosiphum avenae akebiae 2, 10, 27, 65, 119  
 Paracletus cimiciformis 208, 209  
 Rhopalosiphum padi 5, 10, 65, 119, 127, 133, 145  
 Rhopalosiphum rufiabdominalis 35, 78, 208, 209

Tetraneura nigriabdominalis 78, 208, 209  
 Tetraneura ulmi 65, 145

Oryza sp.  
 Anoecia fulviabdominalis 36  
 Macrosiphum avenae akebiae 35

Panicum miliaceum "Kibi"  
 Prociphilus bumeliae 119  
 Rhopalosiphum padi 10, 65

Panicum sp.  
 Anoecia fulviabdominalis 36, 65  
 Kaltenbachiella nirecola 36  
 Rhopalosiphum padi 35, 65

Paspalum thunbergii "Suzume-no-hie"  
 Macrosiphum avenae akebiae 65

Pennisetum alopecuroides "Chikara-shiba"  
 Rhopalosiphum padi 65  
 Rhopalosiphum rufiabdominalis 208, 209  
 Tetraneura nigriabdominalis 208, 209

Phleum pratense "Ō-awagaeri"  
 Macrosiphum avenae akebiae 10, 65  
 Rhopalosiphum padi 7, 10, 65  
 Tetraneura nigriabdominalis 208, 209

Phragmites communis "Yoshi"  
 Hyalopterus pruni 10, 32, 65, 97, 119, 126, 151

Phragmites sp.  
 Schizaphis graminum 210

Phyllostachys sp.  
 Takecallis arundicolens 3  
 Takecallis sasae 3

Poa annua "Suzume-no-katabira"  
 Macrosiphum avenae akebiae 27  
 Rhopalosiphum maidis 27  
 Rhopalosiphum padi 27

Poa pratensis "Nagaha-gusa"  
 Paracletus cimiciformis 209  
 Rhopalosiphum padi 7, 10, 65

Poa sp.  
 Aphis craccivora 135  
 Rhopalosiphum padi 35, 65

Saccharum officinarum "Satō-kibi"  
 Ceratovacuna lanigera 119, 159  
 Geoica lucifuga 209

Sasa nipponica "Miyako-zasa"  
 Takecallis arundicolens 3  
 Takecallis sasae 3

Sasa ramosa "Azuma-zasa"  
 Colopha moriokaensis 48  
 Oregma sasae 46  
 Takecallis arundicolens 3

Sasa senanensis "Kumai-zasa"  
 Takecallis arundicolens 3, 35  
 Takecallis sasae 3, 35  
 Yezabura sasae 35  
 Yezaphis sasicola 35

Sasa veitchii "Kuma-zasa"  
Colopha moriokensis 48  
Watabura nishiyae 98, 119

Sasa sp.  
Melanaphis bambusae 70  
Prociphilus take 82  
Takecallis arundicolens 159  
Takecallis sasae 106, 111, 119, 159, 169  
Takecallis taiwanus 3

Secale cereale "Rai-mugi"  
Macrosiphum avenae akebiae 10, 27, 65  
Rhopalosiphum padi 7, 10, 27, 65

Secale sp.  
Macrosiphum avenae akebiae 35

Setaria glauca "Kin-enokoro-gusa"  
Anoecia fulviabdominalis 209  
Rhopalosiphum rufiabdominalis 209  
Tetraneura nigriabdominalis 208, 209

Setaria italica "Awa"  
Rhopalosiphum maidis 65, 119  
Rhopalosiphum padi 65, 119, 127  
Tetraneura nigriabdominalis 209  
Tetraneura yezoensis 48

Setaria italica var. germanica "Ko-awa"  
Rhopalosiphum padi 10, 65

Setaria viridis "Enokoro-gusa"  
Anoecia fulviabdominalis 209  
Rhopalosiphum maidis 27  
Rhopalosiphum padi 7, 10, 65  
Rhopalosiphum rufiabdominalis 209  
Tetraneura nigriabdominalis 208, 209  
Tetraneura yezoensis 10, 48, 65

Setaria sp.  
Anoecia fulviabdominalis 36, 65  
Kaltenbachiella nirecola 36

Triticum aestivum "Ko-mugi"  
Anoecia fulviabdominalis 65, 209  
Macrosiphum avenae akebiae 2, 10, 27, 28, 65, 119  
Rhopalosiphum padi 7, 10, 27, 28, 119, 127  
Rhopalosiphum rufiabdominalis 209  
Schizaphis graminum (?) 65  
Tetraneura nigriabdominalis 209

Triticum sp.  
Anoecia fulviabdominalis 36, 208  
Kaltenbachiella nirecola 36  
Macrosiphum avenae akebiae 35  
Rhopalosiphum padi 35  
Rhopalosiphum rufiabdominalis 208  
Tetraneura nigriabdominalis 208

Zea mays "Tō-morokoshi"  
Macrosiphum avenae akebiae 27  
Rhopalosiphum maidis 27, 65, 164  
Rhopalosiphum padi 7, 10, 65, 119, 127  
Tetraneura yezoensis 48

Zoysia japonica "Shiba"  
Geoica lucifuga 209  
Tetraneura nigriabdominalis 208, 209

A plant of Gramineae  
Colopha graminis 161  
Macrosiphum avenae akebiae 197  
Rhopalosiphum padi 98  
Tetraneura yezoensis 98  
Watabura nishiyae 98

CYPERACEAE  
Carex morrowii "Kan-suge"  
Eriosoma kansugei 213

Carex sp.  
Macrosiphum avenae akebiae 27  
Rhopalosiphum maidis 27  
Rhopalosiphum padi 27  
Rhopalosiphum rufiabdominalis 209

Cyperus microiria "Kayatsuri-gusa"  
Rhopalosiphum rufiabdominalis 209

Cyperus monophyllus "Shichi-tō"  
Vesiculaphis caricis 65, 211

Scirpus tabernaemontani "Futo-i"  
Rhopalosiphum nymphaeae 119

A plant of Cyperaceae  
Rhopalosiphum brachytarsus 188

PALMAE  
Trachycarpus fortunei "Shuro"  
Sinomegoura citricola 58, 65

ARACEAE  
Acorus calamus "Shōbu"  
Schizaphis scirpi 65, 84, 119, 167

Colocasia antiquorum var. esculenta "Sato-imo"  
Aphis gossypii 35, 57, 65, 80, 119, 127, 157  
Myzus persicae 65, 119

Colocasia sp.  
Aphis gossypii 66

COMMELINACEAE  
Commelina communis "Tsuyu-kusa"  
Aphis commelinae 84  
Aphis gossypii 65, 119  
Cerosipha commelinae 86

JUNCACEAE  
Juncus effusus var. decipiens "I"  
Rhopalosiphum nymphaeae 10, 65

Juncus sp.  
Juncomyzus obscurus 4

STEMONACEAE  
Croomia heterosepala "Nabe-wari"  
Aphis spiraeicola 65, 84

LILIACEAE  
Allium cepa "Tama-negi"  
Rhopalosiphum padi 7, 10, 65

Allium fistulosum "Negi"  
Neotoxoptera formosana 65, 70, 119, 158

Allium grayi "No-biru"

Neotoxoptera formosana 65, 119  
Allium tuberosum "Nira"  
 Neotoxoptera formosana 65, 119  
Hemerocallis aurantiaca "Wasure-gusa"  
 Indomegoura indica 105, 119  
Hemerocallis middendorffii "Ezo-zentei-ka"  
 Indomegoura indica 37  
Hemerocallis sp.  
 Indomegoura indica 158  
 Myzus hemerocallis 198  
Hyacinthus orientalis 'Hyacinth'  
 Myzus persicae 57, 65  
Hyacinthus sp.  
 Myzus persicae 35  
Lilium auratum "Yama-yuri"  
 Amphorophora lilicola 119  
Lilium lancifolium "Oni-yuri"  
 Amphorophora lilicola 119  
 Aphis gossypii 65, 70  
Lilium leichtlinii var. tigrinum "Ko-oni-yuri"  
 Aulacorthum solani 8, 10, 62, 65  
 Ovatus menthae 65  
Lilium speciosum "Kanoko-yuri"  
 Aulacorthum magnoliae 80  
Lilium sp.  
 Aphis gossypii 57, 65, 161  
 Aphis rumicis 65  
 Macrosiphum lili 35  
Smilax china "Sarutori-ibara"  
 Aphis gossypii 2, 57, 65  
 Aphis smilacifoliae 119, 201  
 Impatiens impatiens 119, 158, 200  
 Macrosiphum smilacifoliae 197  
 Rhopalosiphum smilacis 37  
Smilax nipponica "Tachi-shiode"  
 Aulacorthum smilacis 200  
Smilax sp.  
 Sinomegoura citricola 161  
Tulipa gesneriana 'Tulip'  
 Macrosiphum avenae akebiae 197  
 Macrosiphum euphorbiae 197  
 Myzus persicae 57, 65  
Tulipa sp.  
 Myzus persicae 35  
Veratrum sp.  
 Aphis veratri takagii 201  
 Hyadaphis veratri 123  
 AMARYLLIDACEAE  
Lycoris sanguinea "Kitsune-no-kamisori"  
 Neotoxoptera formosana 158  
Narcissus sp.  
 Myzus persicae 35, 57, 65  
 DIOSCOREACEAE  
Dioscorea japonica "Yama-no-imo"  
 Aulacorthum magnoliae 80, 147, 152  
 Macrosiphum avenae akebiae 119  
Dioscorea sp.  
 Aulacorthum magnoliae 199  
 IRIDACEAE  
Belamcanda chinensis "Hi-8gi"  
 Dysaphis tulipae 65  
Belamcanda sp.  
 Dysaphis tulipae 70  
Crocus sativus 'Saffron'  
 Myzus persicae 57, 65  
Crocus sp.  
 Myzus persicae 35  
Gladiolus gandavensis 'Gladiolus'  
 Macrosiphum avenae akebiae 197  
Iris sp.  
 Dysaphis tulipae 70  
 MUSACEAE  
Musa sp.  
 Pentalonia nigronervosa 161  
 ORCHIDACEAE  
Bletilla striata "Shi-ran"  
 Aulacorthum magnoliae 80  
Listera sp.  
 Sinomegoura citricola 58  
 DICOTYLEDONEAE  
 CHORIPETALAE  
 SALICACEAE  
Populus alba "Gin-doro"  
 Chaitophorus populi 111, 119  
 Pterocomma yezoensis 11  
Populus balsamifera  
 Chaitophorus matsumurai 14  
 Chaitophorus populi 35  
 Pemphigus dorocola 36  
 Pemphigus niishimae 36  
Populus maximowiczii "Doro-no-ki"  
 Chaitophorus populi 111, 119  
 Chaitophorus populisieboidi 111  
 Doraphis populi 11, 119  
 Melanoxantherium salijaponica 119  
 Pemphigus dorocola 12, 48, 49, 119, 127  
 Pemphigus matsumurai 12, 46, 48, 49  
 Pemphigus niishimae 12, 48, 49, 119, 127  
 Pterocomma yezoensis 11  
 Thecabius latisensoria 12  
 Thoracaphis dorocola 119  
Populus monilifera "Amerika-yamanarashi"  
 Pterocomma yezoensis 11  
Populus nigra var. italica "Seiyō-hako-yanagi"  
 Chaitophorus populi 119  
 Pterocomma yezoensis 11  
Populus sieboldii "Yama-narashi"  
 Chaitophorus coreanus 111, 119  
 Chaitophorus dorocolus 38  
 Chaitophorus dorofoliae 111



- Chaitophorus populi 111, 119  
 Chaitophorus populisieboidi 38, 119  
 Chaitophorus yamanarashi 119, 127  
 Chaitophorus yomefuri 111, 119  
 Doraphis populi 86, 119, 127  
 Thoracaphis yamanarashii 119
- Populus sp.  
 Doraphis populi 169
- Salix babylonica "Shidare-yanagi"  
 Cavariella salicicola 35  
 Chaitophorus saliapterous 111  
 Melanoxantherium salijaponica 119  
 Tuberculachnus salignus 35, 119
- Salix bakko "Bakko-yanagi"  
 Chaitophorus matsumurai 35  
 Prociphilus oriens 30
- Salix gracilistyla "Neko-yanagi"  
 Melanoxantherium salijaponica 119  
 Tuberculachnus salignus 119
- Salix integra "Inu-kori-yanagi"  
 Chaitophorus salicicolus 88  
 Chaitophorus salijaponica 157
- Salix kinuyanagi "Kinu-yanagi"  
 Chaitophorus saliapterous 119
- Salix koriyanagi "Kori-yanagi"  
 Chaitophorus saliapterous 86, 111, 119  
 Chaitophorus salijaponica 2  
 Melanoxantherium salijaponica 119  
 Tuberculachnus salignus 119
- Salix rorida "Ezo-yanagi"  
 Aphis farinosa yanagicola 35
- Salix sachalinensis "Onoe-yanagi"  
 Chaitophorus horii 169  
 Prociphilus oriens 30
- Salix sieboldiana "Yama-yanagi"  
 Chaitophorus matsumurai 88
- Salix yezoalpina "Maru-ba-yanagi"  
 Tuberculachnus salignus 119
- Salix sp.  
 Aphis farinosa yanagicola 119, 201  
 Aphis gossypii 57, 65  
 Cavariella aegopodii 191  
 Cavariella araliae 191  
 Cavariella bicaudata 2, 10, 65  
 Cavariella hidaensis 191  
 Cavariella japonica 191  
 Cavariella konoi 191  
 Cavariella nipponica 191  
 Cavariella salicicola 65, 119, 191  
 Cavariella takahashii 4  
 Chaitophorus chinensis 133, 163  
 Chaitophorus matsumurai 86, 111, 119  
 Melanoxantherium salijaponica 86, 88  
 Pterocomma konoi 169  
 Tuberculachnus salignus 57, 65
- Toisus urbaniana "Ôba-yanagi"  
 Pemphigus yanagi 89
- JUGLANDACEAE  
Juglans ailanthifolia "Oni-gurumi"  
 Dasyaphis onigurumi 98, 119, 127  
 Kurisakia onigurumi 85, 86, 157
- Juglans sp.  
 Dasyaphis onigurumi 133  
 Kurisakia onigurumi 181
- Pterocarya rhoifolia "Sawa-gurumi"  
 Kurisakia onigurumi 46, 111, 119, 127  
 Prociphilus oriens 30
- BETULACEAE  
Alnus firma "Yasha-bushi"  
 Glyphina schrankiana 111, 119  
 Myzocallis alnifoliae 111  
 Reticallis alnijaponica 106, 111, 119  
 Reticallis nigrostriata 119, 200  
 Symydobius kabae 119
- Alnus hirsuta "Ke-yama-hannoki"  
 Stomaphis alni 140
- Alnus hirsuta var. sibirica "Yama-hannoki"  
 Calaphis alnicola 111, 119  
 Euceraphis japonica 2  
 Myzocallis alnicola 86  
 Myzocallis alnifoliae 86, 119  
 Reticallis alnijaponica 111, 119  
 Symydobius kabae 119
- Alnus japonica "Hannoki"  
 Betacallis alnicolens 38  
 Calaphis alnicola 38, 111  
 Glyphina alni 111  
 Reticallis alnijaponica 38, 200  
 Reticallis nigrostriata 200  
 Symydobius alniaria 35
- Alnus matsumurae "Yahazu-hannoki"  
 Boerneria alni 184  
 Calaphis alnicola 35
- Alnus serrulatoides "Kawara-hannoki"  
 Sappocallis alnifoliae 83
- Betula ermanii "Dake-kamba"  
 Hamamelistes gibberi 52  
 Mansakia shirakabae 51
- Betula grossa "Yoguso-minebari"  
 Hamamelistes gibberi 52
- Betula maximowicziana "Udai-kamba"  
 Hamamelistes cristafoliae 52  
 Mansakia betulina makabae 26
- Betula platyphylla var. japonica "Shira-kamba"  
 Euceraphis punctipennis 119, 169  
 Glyphina betulae 36  
 Glyphina schrankiana 111, 119  
 Hormaphidula betulae 119  
 Mansakia betulina 119, 127  
 Mansakia shirakabae 46, 48, 49, 51

- Mimocallis betulijaponicae 38  
 Nippolachnus piri 65  
 Stomaphis takahashii 140  
 Symydobius kabae 35, 119  
 Thoracaphis betulaefoliae 86
- Betula sp.  
 Betacallis odaiensis 184  
 Betulaphis japonica 184  
 Calaphis annulata 200  
 Chaitophorus populi 86  
 Euceraphis betulifoliae 83  
 Euceraphis punctipennis 88, 111  
 Eulachnus betulae 86  
 Nippolachnus piri 119  
 Symydobius kabae 111
- Carpinus cordata "Sawa-shiba"  
 Myzocallis coryli 119  
 Myzocallis corylicola 111  
 Myzocallis sawashibae 35  
 Neocallis carpinicola 38
- Carpinus japonica "Kuma-shide"  
 Neochromaphis carpinicola 111, 155
- Carpinus laxiflora "Aka-shide"  
 Neochromaphis carpinicola 111, 119
- Carpinus tschonoskii "Inu-shide"  
 Neochromaphis carpinicola 119, 155  
 Stomaphis carpini 140
- Carpinus sp.  
 Greenidea carpini 196  
 Neochromaphis carpinicola 158, 186  
 Neochromaphis coryli 186
- Corylus heterophylla var. thunbergii "Hashibami"  
 Macrosiphum corylicola 119, 127  
 Myzocallis corylicola 119  
 Tinocallis hashibamii 106
- Corylus sieboldiana "Tsuno-hashibami"  
 Macrosiphum corylicola 119  
 Myzocallis coryli 119  
 Myzocallis corylicola 111, 119  
 Neochromaphis coryli 186  
 Tinocallis hashibamii 106
- FAGACEAE
- Castanea crenata "Kuri"  
 Aulacorthum magnoliae 80  
 Greenidea kuwanai 38  
 Lachnus tropicalis 32, 35, 65, 111, 119  
 Macrosiphum kuricola 35  
 Moritzziella castaneivora 215 111, 119  
 Nippocallis kuricola 2, 10, 35, 65, 70, 88,  
 Nippolachnus piri 65
- Castanopsis cuspidata "Shii"  
 Allotrichosiphum kashicola 144  
 Eutrichosiphum lithocarpi 119  
 Eutrichosiphum pasaninae 2, 35, 75, 144  
 Eutrichosiphum shiicola 197
- Eutrichosiphum sinense 193  
 Greenidea kuwanai 32  
 Greenidea okajimai 119, 144  
 Lachnus tropicalis 2, 65, 119  
 Lithoaphis shiiae 178  
 Metanipponaphis cuspidatae 2, 52, 132  
 Metanipponaphis shiicola 178  
 Mollitrichosiphum tenuicarpus 35, 75, 119, 144  
 Neonipponaphis shiiae 194  
 Nipponaphis distylicola 119  
 Reticulaphis shiiae 174
- Castanopsis sp.  
 Eutrichosiphum lithocarpi 161  
 Metanipponaphis cuspidatae 194  
 Metanipponaphis rotunda 178
- Fagus crenata "Buna"  
 Mesocallis fagicola 38  
 Phyllaphis fagi 49, 70, 103, 111, 119, 127  
 Platyaphis fagi 133, 170
- Fagus japonica "Inu-buna"  
 Phyllaphis fagi 49
- Fagus silvestri  
 Phyllaphis fagi 49
- Fagus sp.  
 Phyllaphis fagi 167  
 Phyllaphis fagifoliae 151, 167
- Pasania edulis "Mateba-shii"  
 Greenidea kuwanai 144  
 Lachnus roboris 67
- Pasania glabra "Shiribuka-gashi"  
 Greenidea kuwanai 144
- Pasania sp.  
 Dermaphis japonensis 119
- Quercus acuta "Aka-gashi"  
 Allotrichosiphum pasaninae 33, 193, 203  
 Eutrichosiphum pasaninae 35, 75  
 Greenidea kuwanai 35, 38, 75  
 Lachnus tropicalis 32, 65  
 Nipponaphis distylicola 194  
 Xenothoracaphis kashifolia 212
- Quercus acutissima "Kunugi"  
 Cervaphis quercus 82, 119  
 Diphyllaphis konarae 127, 179  
 Greenidea kuwanai 2, 32  
 Greenidea nipponica 119, 144  
 Kurisakia onigurumi querciphila 181  
 Lachnus tropicalis 2, 32, 65, 111, 119  
 Nippocallis kuricola 2  
 Nipponaphis distylicola 194  
 Nymphaphis quercus 179  
 Paratrichosiphum tattakanum 131  
 Stomaphis quercus japonica 182  
 Tuberculatus capitatus 2, 64, 70, 119  
 Tuberculatus quercicolus 111, 119  
 Tuberculatus stigmatus 111

- Tuberculoides kunugi 86, 111
- Quercus dentata "Kashiwa"  
 Callaphis quercicola 38  
 Diphyllaphis konarae 127  
 Eutrichosiphum shiicola 193  
 Greenidea kuwanai 32  
 Lachnus roboris 158  
 Lachnus tropicalis 2, 32, 65  
 Neothoracaphis yanonis 128, 175, 194  
 Tuberculatus capitatus 119  
 Tuberculatus kashiwae 35, 88, 111, 119  
 Tuberculatus quercicolus 2, 65, 119  
 Tuberculatus querciformosanus 157  
 Tuberculatus stigmatus 64, 70  
 Tuberculoides fulviabdominalis 119  
 Tuberculoides fulvicola 111  
 Tuberculoides naganoe 111, 119  
 Tuberculoides naracola 111
- Quercus dentata var. grandifolia "Ô-gashiwa"  
 Tuberculatus stigmatus 35
- Quercus gilva "Ichii-gashi"  
 Lachnus roboris 67  
 Quernaphis tuberculata 172
- Quercus glauca "Ara-kashi"  
 Allothoracaphis kashicola 144, 193, 203  
 Allothoracaphis piyananensis 174  
 Dermaphis japonensis 119, 174  
 Greenidea kuwanai 144  
 Kurisakia onigurumi querciphila 181  
 Lachnus roboris 67  
 Microthoracaphis saramaoensis 175  
 Mollitrichosiphum nigrofasciatum 144  
 Mollitrichosiphum nigrofasciatum glaucae 193  
 Nipponaphis distyliicola 132, 194  
 Nipponaphis gigantea 128  
 Nipponaphis monzeni 128, 132, 133, 194  
 Parathoracaphis setigera 174  
 Paratrichosiphum tattakanum 131  
 Xenothoracaphis kashifolia 133, 172
- Quercus mongolica var. grosseserrata "Mizu-nara"  
 Diphyllaphis konarae 111  
 Lachnus tropicalis 65, 111  
 Neothoracaphis yanonis 119  
 Nipponaphis distyliicola 194  
 Stomaphis quercus japonica 119  
 Tuberculatus capitatus 119  
 Tuberculatus quercicolus 35, 111  
 Tuberculatus stigmatus 111  
 Tuberculoides naganoe 111, 119  
 Tuberculoides naracola 38, 111, 119
- Quercus myrsinaefolia "Shira-kashi"  
 Greenidea kuwanai 32  
 Lachnus tropicalis 32, 65  
 Microthoracaphis elongata 175  
 Microthoracaphis querciphaga 175
- Parathoracaphis setigera 174
- Quercus phylllyraeoides "Ubame-gashi"  
 Atarsaphis quercus 134, 172  
 Diphyllaphis alba 179  
 Greenidea kuwanai 32  
 Greenidea nipponica 107, 119, 133  
 Lachnus tropicalis 32, 65  
 Paratrichosiphum tattakanum 131
- Quercus serrata "Ko-nara"  
 Cervaphis quercus 158  
 Chaitophorus narae 119  
 Diphyllaphis konarae 86, 103, 111, 119, 127, 179  
 Eutrichosiphum pasaniae 35, 75  
 Greenidea kuwanai 35, 75, 76  
 Kurisakia onigurumi querciphila 181  
 Lachnus tropicalis 2, 65, 111, 119  
 Neothoracaphis yanonis 70, 119, 128, 175, 194  
 Nymphaphis quercus 179  
 Stomaphis quercus 111  
 Stomaphis quercus japonica 119  
 Tuberculatus capitatus 119  
 Tuberculatus kashiwae 88, 111  
 Tuberculatus quercicolus 88, 111  
 Tuberculatus stigmatus 64, 70, 111, 119, 133  
 Tuberculoides fulviabdominalis 119  
 Tuberculoides konaracola 119  
 Tuberculoides kunugi 111  
 Tuberculoides naganoe 111, 119  
 Tuberculoides naracola 119
- Quercus sessilifolia "Tsukubane-gashi"  
 Microthoracaphis elongata 175
- Quercus variabilis "Abe-maki"  
 Tuberculatus capitatus 64
- Quercus sp.  
 Eutrichosiphum narafoliae 83  
 Greenidea kuwanai 32, 70, 152  
 Greenidea luchuana 119, 161  
 Lachnus ogasawarae 35  
 Lachnus quercihabitans 163  
 Lachnus tropicalis 32, 65, 119  
 Mollitrichosiphum nigrofasciatum 119, 161  
 Neothoracaphis yanonis 85, 128  
 Paranipponaphis takaoensis 178  
 Stomaphis quercus japonica 119  
 Thoracaphis cuspidatae 119  
 Tuberculatus capitatus 64, 70  
 Tuberculatus kashiwae 64  
 Tuberculatus quercicolus 64  
 Tuberculatus querciformosanus 64
- ULMACEAE  
Celtis jesseoensis "Ezo-enoki"  
 Prociphilus oriens 30  
Celtis sinensis var. japonica "Enoki"  
 Aulacorthum magnoliae 65

- Shivaphis celti 2, 111, 119  
 Stomaphis yanonis 70, 111, 119, 147, 152, 158  
 Toxoptera celtis 84, 119  
 Watabura nishiyae 70
- Celtis sp.  
 Shivaphis celti 161
- Ulmus campestris  
 Tetraneura yezoensis 36
- Ulmus campestris var. major "Aka-damo"  
 Chromocallis nirecola 119  
 Sappocallis ulmicola 119  
 Tetraneura yezoensis 65
- Ulmus davidiana var. japonica "Haru-nire"  
 Chromocallis nirecola 99, 119, 185  
 Colopha moriokaensis 49  
 Eriosoma japonica 36, 48, 49, 119  
 Kaltenbachiella japonica 36, 49, 51, 119, 127  
 Kaltenbachiella nirecola 36, 119  
 Myzocallis nirecola 86  
 Prociphilus kuwanai 155  
 Prociphilus oriens 30  
 Sappocallis ulmicola 38, 111  
 Stomaphis ulmicola 17, 182  
 Tetraneura akinire 48, 49  
 Tetraneura fusiformis 5, 36  
 Tetraneura nigriabdominalis 209  
 Tetraneura ulmi 145  
 Tetraneura yezoensis 5, 10, 48, 49, 65, 98  
 Watabura nishiyae 5
- Ulmus davidiana var. japonica f. suberosa "Kobu-nire"  
 Tetraneura nigriabdominalis 209
- Ulmus laciniata "Ohyô"  
 Gobaishia japonica 36
- Ulmus parvifolia "Aki-nire"  
 Tetraneura akinire 36, 79, 127  
 Tetraneura fusiformis 5  
 Tetraneura nigriabdominalis 209  
 Tetraneura ulmi 65  
 Tetraneura yezoensis 65  
 Tinocallis ulmiparvifoliae 38
- Ulmus sp.  
 Kaltenbachiella japonica 5, 48  
 Tetraneura fusiformis 157
- Zelkova serrata "Keyaki"  
 Colopha moriokaensis 5, 48  
 Myzocallis nirecola 119  
 Tetraneura ulmi 65, 145  
 Tinocallis zelkowae 152  
 Watabura nishiyae 70, 98, 119
- Zelkova sp.  
 Stomaphis yanonis 140
- MORACEAE  
Cannabis sativa "Asa"  
 Phorodon cannabis 10, 35, 65, 86, 133, 200
- Phorodon humuli japonensis 65  
Fatoua villosa "Kuwa-kusa"  
 Macrosiphoniella kuwakusae 213  
 Myzus fataunae 86, 119  
 Pemphigus fatauae 86  
 Pemphigus niishimae 127
- Ficus carica "Ichi-jiku"  
 Aphis gossypii 57, 65  
 Greenidea ficicola 119  
 Thoracaphis fici 119
- Ficus microcarpa "Gajimaru"  
 Greenidea ficicola 155  
 Thoracaphis fici 161
- Ficus nipponica "Itabi-kazura"  
 Reticulaphis fici foveolatae 174
- Ficus obscura  
 Sinomegoura citricola 58
- Ficus wightiana "Akô"  
 Thoracaphis fici 161
- Ficus sp.  
 Greenidea ficicola 161
- Humulus japonica "Kana-mugura"  
 Myzus persicae 34, 57, 65, 80  
 Phorodon cannabis 65, 70  
 Phorodon humuli japonensis 127, 200
- Humulus lupulus 'Hop'  
 Phorodon cannabis 10  
 Phorodon humuli japonensis 65, 80, 98
- Humulus lupulus var. cordifolius "Karahanasô"  
 Phorodon humuli japonensis 65, 98, 127
- Humulus sp.  
 Aphis gossypii 35  
 Myzus persicae 35, 57  
 Phorodon humuli japonensis 35
- URTICACEAE  
Boehmeria longispica "Yabu-mao"  
 Myzus persicae 119
- Boehmeria nipponivea "Kara-mushi"  
 Myzus boehmeriae 119  
 Myzus moriokae 119
- Boehmeria nivea var. candicans 'Ramie'  
 Myzus moriokae 119
- Boehmeria plataniifolia "Me-yabu-mao"  
 Myzus boehmeriae 198
- Boehmeria spicata "Ko-akaso"  
 Myzus boehmeriae 198
- Boehmeria sp.  
 Myzus fataunae 198
- Pilea hamaoi "Mizu"  
 Myzus pileae 198
- Urtica platyphylla "Ezo-ira-kusa"  
 Myzus dycei 198
- Urtica thunbergiana "Ira-kusa"  
 Aphis urticata 155
- ARISTOLOCHIACEAE

Asarum kooyanum var. nipponicum "Kan-aoi"  
 Myzus persicae 206

POLYGONACEAE

Fagopyrum esculentum "Soba"  
 Aphis neopolygonii 119  
 Macrosiphum sobae 84, 119

Persicaria sp.  
 Aphis gossypii 65  
 Aphis rumicis 65  
 Capitophorus hippophaes javanicus 65

Polygonum conspiciuum "Sakura-tade"  
 Capitophorus hippophaes javanicus 127

Polygonum cuspidatum "Itadori"  
 Aphis celastrii 201  
 Aphis gossypii 57, 65  
 Aphis ichigo 201  
 Aulacorthum magnoliae 80  
 Aulacorthum solani 65  
 Macchiatiella itadori 70, 86, 88, 119  
 Toxoptera odinae 65

Polygonum nepalense "Tani-soba"  
 Akkaia polygoni 119

Polygonum perfoliatum "Ishimikawa"  
 Metaphorodon ishikawae 119, 190

Polygonum sachalinense "Ô-itadori"  
 Macchiatiella itadori 9

Polygonum scabrum "Sanae-tade"  
 Aphorodon polygonifoliae 127

Polygonum senticosum "Mamako-no-shirinugui"  
 Capitophorus hippophaes javanicus 61

Polygonum sieboldii "Unagi-tsukami"  
 Metaphorodon ishikawae 119  
 Trichosiphonaphis polygoniformosana 70

Polygonum thunbergii "Mizo-soba"  
 Akkaia polygoni 189  
 Akkaia taiwana 119, 143, 189  
 Aphis polygonacea 119, 133  
 Aphorodon polygoniphaga 190  
 Carolinaia tade 119  
 Macrosiphum polygonijaponica 119  
 Trichosiphonaphis polygoniformosana 119, 200

Polygonum tinctorium "Ai"  
 Capitophorus hippophaes javanicus 127

Polygonum viscosum "Niioi-tade"  
 Myzus polygonyonai 115, 127

Polygonum sp.  
 Akkaia odaiensis 189  
 Akkaia polygoni 38, 98,  
 Aphis polygonacea 35, 119  
 Aphis rumicis 35  
 Capitophorus gilletti 210  
 Capitophorus hippophaes javanicus 61,65,119  
 Carolinaia tade 119  
 Macrosiphum polygonijaponica 119  
 Metaphorodon ishikawae 158

Myzosiphum ryukyensis 210  
 Rhopalosiphum polygoni 84  
 Trichosiphonaphis polygoniformosana 119

Rumex crispus "Nagaba-gishigishi"  
 Dysaphis rumicicola 9

Rumex japonicus "Gishigishi"  
 Aphis craccivora 135  
 Aphis rumicis 2, 65, 119  
 Aulacorthum solani 8, 10, 57, 62, 65  
 Dysaphis rumicicola 119  
 Myzus persicae 57, 65, 130, 164, 206  
 Prociphilus kuwanai 10, 65

Rumex sp.  
 Aphis gossypii 35, 65  
 Aphis rumicis 35, 65, 157

A plant of Polygonaceae  
 Capitophorus hippophaes javanicus 80

CENOPODIACEAE

Beta vulgaris var. rapa "Satô-dakon"  
 Aphis gossypii 57, 65  
 Myzus persicae 1, 10, 57, 65

Chenopodium album var. centrorubrum "Akaza"  
 Aphis fabae 10, 57, 65  
 Hayhurstia atriplicis 119, 127  
 Myzus persicae 10, 57, 65

Chenopodium sp.  
 Aphis gossypii 35  
 Aphis rumicis 35, 65

Spinacia oleracea "Hôrensô"  
 Aphis gossypii 57, 65  
 Myzus persicae 57, 65, 206

Spinacia sp.  
 Aphis gossypii 35

AMARANTHACEAE

Achyranthes japonica "Inokozuchi"  
 Aphis glycines 98, 119, 127  
 Aphis justiciae 201

PHYTOLACCACEAE

Phytolacca esculenta "Yama-gobô"  
 Aulacorthum phytolaccae 41

AIZOACEAE

Mesembryanthemum spectabile "Matsuba-giku"  
 Myzus persicae 57, 65

Mesembryanthemum sp.  
 Myzus persicae 35

PORTULACACEAE

Portulaca oleracea "Suberi-hiyu"  
 Aphis craccivora 135  
 Aphis gossypii 57, 65

Portulaca sp.  
 Aphis gossypii 35, 65

CARYOPHYLLACEAE

Cerastium holosteoides var. hallaisanense "Mimina-gusa"  
 Myzus persicae 57

Cerastium vulgatum var. alpinum "Koba-no-mimina-

Myzus persicae 65  
Dianthus sp.  
 Myzus persicae 35, 57, 65  
Stellaria media "Hakobe"  
 Aphis craccivora 135  
 Myzus persicae 206  
Stellaria sp.  
 Aphis gossypii 35, 57, 65  
 Macrosiphum avenae akebiae 197  
 Myzus asclonicus 198  
 Myzus stellariae 198  
 NYMPHAEACEAE  
Nelumbo nucifera "Hasu"  
 Rhopalosiphum nymphaeae 2, 65, 119, 127  
Nelumbo sp.  
 Rhopalosiphum nymphaeae 35  
Nuphar japonicum "Kōhone"  
 Rhopalosiphum nymphaeae 10, 65  
Nymphaea japono-koreana "Suiren"  
 Rhopalosiphum nymphaeae 65  
Nymphaea sp.  
 Rhopalosiphum nymphaeae 35, 97, 119  
 TROCHODENDRACEAE  
Trochodendron aralioides "Yama-guruma"  
 Elatobium trochodendri 183  
 CERCIDIPHYLLACEAE  
Cercidiphyllum japonicum "Katsura"  
 Aulacorthum cercidiphylli 37, 96, 119  
Cercidiphyllum sp.  
 Aulacorthum cercidiphylli 199  
 RANUNCULACEAE  
Anemone hupehensis var. japonica "Shūmei-giku"  
 Longicaudus trirhodus 65, 119, 127  
 Prociphilus anemoni 82  
Anemone sp.  
 \*Galiaphis japonica 200  
Aquilegia flabellata "Odamaki"  
 Aulacorthum solani 62  
Clematis apiifolia "Botan-zuru"  
 Eriosoma clematicola 119  
 Eriosoma clematis 119  
 Macrosiphum clematidis 119  
Clematis japonica "Hanshō-zuru"  
 Eriosoma clematicola 82  
 Eriosoma clematis 82  
 Macrosiphum clematifoliae 86  
 Myzus varians 119  
Clematis ochotensis "Miyama-hanshō-zuru"  
 Myzus varians 86  
Clematis sp.  
 Macrosiphum clematidis 197  
 Myzus clematophilus 198  
 Myzus varians 161, 198  
Paeonia suffruticosa "Botan"  
 Aphis spiraeicola 65, 119  
Ranunculus japonicus "Kimpōge"  
 Prociphilus ranunculi 119  
Ranunculus quelpaertensis "Kitsune-no-botan"  
 Prociphilus ranunculi 82  
Ranunculus ternatus "Hikinokasa"  
 Thecabius populiconduplifolius 2  
Ranunculus sp.  
 Myzus ranunculinus 198  
Thalictrum aquilegifolium "Karamatsu-sō"  
 Longicaudus trirhodus 37  
Thalictrum minus var. hypoleucum "Aki-karamatsu"  
 Longicaudus trirhodus 2, 65, 119, 127, 158  
 LARDIZABALACEAE  
Akebia quinata "Akebi"  
 Macrosiphum avenae akebiae 65, 116, 119  
Akebia trifoliata "Mitsuba-akebi"  
 Macrosiphum avenae akebiae 65  
Akebia sp.  
 Macrosiphum avenae akebiae 53, 197  
 BERBERIDACEAE  
Berberis sieboldii "Hebi-noborazu"  
 Liosomaphis berberidis 93, 119  
Berberis thunbergii "Megi"  
 Liosomaphis berberidis 119  
Mahonia japonica "Hiragi-nanten"  
 Prociphilus osmanthae 119  
 MAGNOLIACEAE  
Illicium religiosum "Shikimi"  
 Toxoptera aurantii 2, 65, 74  
Magnolia denudata "Haku-mokuren"  
 Aulacorthum magnoliae 2  
Magnolia kobus "Kobushi"  
 Aulacorthum magnoliae 65, 74, 119, 127  
 Neocalaphis magnoliae 2, 88, 111, 119, 200  
Magnolia liliiflora "Mokuren"  
 Euceraphis magnoliifoliae 85  
 Toxoptera odinae 65, 84  
Magnolia obovata "Hō-no-ki"  
 Aulacorthum magnoliae 119  
 Neocalaphis magnolicolens 111, 119, 155, 158, 200  
Magnolia sp.  
 Aulacorthum magnoliae 199  
Michelia compressa "Ogatama-no-ki"  
 Formosaphis micheliae 196  
 LAURACEAE  
Actinodaphne sp.  
 Aiceona actinodaphni 161  
Cinnamomum burnianis  
 Sinomegoura citricola 58  
Cinnamomum camphora "Kusu-no-ki"  
 Sinomegoura citricola 58, 65, 84, 119  
Cinnamomum japonicum "Yabu-nikkei"  
 Euthoracaphis umbellulariae 119, 178  
Cinnamomum paniculatum

Euthoracaphis umbellulariae 178  
Cinnamomum zeylanicum "Seiron-nikkei"  
     Sinomegoura citricola 58  
Cinnamomum sp.  
     Sinomegoura citricola 58, 161  
Lindera umbellata "Kuro-moji"  
     Aulacorthum muradachi 119  
     Thoracaphis linderiae 87, 119, 174  
Machilus thunbergii "Tabu-no-ki"  
     Machilaphis machili 103, 119  
     Nipponaphis machilicola 119  
Machilus sp.  
     Machilaphis machili 179  
     Nipponaphis amamiana 193  
     Nipponaphis machilicola 177  
     Nipponaphis machiliphaga 177  
Neolitsea sericea "Shiro-damo"  
     Machilaphis machili 103, 119  
     Nipponaphis litseae 177  
Parabenzoin praecox "Abura-chan"  
     Aulacorthum muradachi 39, 119  
     Thoracaphis linderiae 87, 119, 174  
Parabenzoin trilobum "Shiro-moji"  
     Aulacorthum muradachi 70  
     Thoracaphis linderiae 174  
 A plant of Lauraceae  
     Aiceona japonica 181  
     Aulacorthum muradachi 199  
 PAPAVERACEAE  
Chelidonium majus var. asiaticum "Kusa-no-ô"  
     Aulacorthum solani 119, 127  
Corydalis heterocarpa var. japonica "Ki-keman"  
     Hayhurstia corydalisicola 200  
Corydalis sp.  
     Aulacorthum circumflexum 199  
Macleaya cordata "Takenigusa"  
     Aulacorthum solani 62, 65  
Papaver somniferum "Keshi"  
     Myzus persicae 57, 65  
     Rhopalosiphum padi 7, 65  
Papaver sp.  
     Aphis rumicis 35, 65  
 CRUCIFERAE  
Arabidopsis thaliana "Shiro-inu-nazuna"  
     Lipaphis erysimi 65  
Barbarea orthoceras "Yama-garashi"  
     Aphis neopolygonii 119  
Brassica campestris "Tai-na"  
     Brevicoryne brassicae 34  
     Myzus persicae 2, 34  
Brassica campestris var. komatsuna "Komatsu-na"  
     Myzus persicae 1  
Brassica campestris var. napus "Abura-na"  
     Brevicoryne brassicae 2, 10, 34, 65  
     Lipaphis erysimi 65  
     Myzus persicae 34, 57, 65, 129, 130, 206  
Brassica campestris var. pekinensis "Hakusai"  
     Brevicoryne brassicae 10, 65, 119, 127  
     Lipaphis erysimi 10, 65  
     Myzus persicae 1, 10, 57, 65, 119, 206  
Brassica campestris var. rapa "Kabu"  
     Brevicoryne brassicae 10, 34, 65  
     Lipaphis erysimi 10, 65  
     Myzus persicae 10, 57, 65, 119, 206  
Brassica cernua "Karashi-na"  
     Lipaphis erysimi 10, 13, 70  
Brassica napobrassica "Rutabaka"  
     Brevicoryne brassicae 10, 65  
     Lipaphis erysimi 10, 65  
Brassica oleracea var. acephala "Ha-botan"  
     Myzus persicae 130  
Brassica oleracea var. botrylis "Hana-yasai"  
     Myzus persicae 1  
Brassica oleracea var. capitata "Tama-na"  
     Brevicoryne brassicae 10, 48, 49, 65, 78, 119,  
         127  
     Lipaphis erysimi 10, 65, 119, 127, 157  
     Myzus persicae 1, 10, 57, 65, 129, 130, 133,  
         161, 206  
Brassica sp.  
     Brevicoryne brassicae 35  
     Lipaphis erysimi 161  
     Myzus persicae 35, 57, 65, 70  
Capsella bursa-pastoris "Nazuna"  
     Aphis craccivora 65, 135, 136  
     Aphis rumicis 65  
     Lipaphis erysimi 65, 119, 127  
     Myzus persicae 57, 65, 206  
Capsella sp.  
     Acyrtosiphon pisum 35  
     Aphis gossypii 35, 57, 65  
     Aulacorthum solani 35  
     Brevicoryne brassicae 35  
     Myzus persicae 35  
Cardamine impatiens "Ja-ninjin"  
     Aphis cardaminae 84  
Cardamine lyrata "Mizu-tagarashi"  
     Aphis mizutakarashi 119  
     Cavariella salicicola 65, 119  
Lepidium sp.  
     Aphis gossypii 35  
Raphanus sativus var. acanthiformis "Daikon"  
     Brevicoryne brassicae 10, 34, 65, 119, 127  
     Lipaphis erysimi 10, 65, 119, 127  
     Myzus persicae 1, 10, 34, 57, 65, 119, 127,  
         129, 133, 164, 198, 206  
Raphanus sp.  
     Brevicoryne brassicae 35  
     Myzus persicae 35  
Rorippa indica "Inu-garashi"

Myzus persicae 206  
 Myzus ascalonicus 198  
 A plant of Cruciferae  
 Myzus persicae 80  
 CRASSULACEAE  
Bryophyllum calycinum "Tôro-sô"  
   Aphis gossypii 84  
 SAXIFRAGACEAE  
Astilbe sp.  
   Micromyzus montanus 195  
Deutzia crenata "Utsugi"  
   Aphis craccivora 2, 65, 119  
   Aphis gossypii 57, 65, 119  
   Aphis spiraeicola 65, 127  
   Aphis utsugicola 119  
   Myzus philadelphi 198  
   Rhopalosiphoninus deutzifoliae 86, 99, 119, 127  
Deutzia gracilis "Hime-utsugi"  
   Neotoxoptera abeliae 200  
Deutzia scabra var. sieboldiana "Tsukushi-utsugi"  
   Aphis utsugicola 48, 49  
Deutzia sp.  
   Aphis celastrii 84, 201  
   Nippodysaphis deutziae 4  
Hydrangea macrophylla "Ajisai"  
   Aulacorthum magnoliae 147  
Hydrangea paniculata "Nori-utsugi"  
   Rhopalosiphoninus hydrangeae 37, 105, 119, 169  
Hydrangea scandens "Gaku-utsugi"  
   Rhopalosiphoninus hydrangeae 105, 119  
Hydrangea sp.  
   Aphis gossypii 65  
   Aphis spiraeicola 65  
Philadelphus sp.  
   Myzus philadelphi 198  
Ribes fasciculatum "Yabu-sanzashi"  
   Hyperomyzus lactucae 86  
   Macrosiphum suguri 86  
Ribes grossularia "Maru-suguri"  
   Cryptomyzus ribis 10  
Ribes sativum "Aka-suguri"  
   Cryptomyzus ribis 10, 37  
   Myzus suguri 119  
Ribes sinanense "Suguri"  
   Hyperomyzus lactucae 86  
   Macrosiphum suguri 86, 119  
   Myzus suguri 84  
   Stagona crataegi 127  
Saxifraga stolonifera "Yukinoshita"  
   Aphis spiraeicola 65  
Saxifraga sp. (?)  
   Myzus asamensis 198  
 PITTOSPORACEAE

Pittosporum tobira "Tobera"  
   Myzus persicae 206  
   Toxoptera odinae 65  
 HAMAMELIDACEAE  
Distylium racemosum "Isunoki"  
   Dinipponaphis autumnae 51, 132, 171, 194  
   Metanipponaphis cuspidatae 132  
   Monzenia globuli 51, 52, 119, 127, 132, 171, 194  
   Neothoracaphis yanonis 36, 49, 51, 52, 119, 127, 128, 132, 171, 175, 194  
   Nipponaphis distychii 2, 36, 48, 49, 76, 119, 127, 171, 194  
   Nipponaphis distyllicola 51, 52, 128, 132, 171, 194  
   Nipponaphis monzeni 51, 52, 128, 132, 171, 194  
   Quadrartus yoshinomiya 52, 171, 194  
Hamamelis japonica "Mansaku"  
   Mansakia gallifoliae 48, 49, 52, 119, 127  
   Mansakia kagamii 48, 49, 52  
   Mansakia miyabei 36, 48, 49, 52, 119, 127  
Liquidambar formosana "Fû"  
   Aphis gossypii 57, 65  
 ROSACEAE  
Agrimonia pilosa "Kin-mizuhiki"  
   Aphis agrimoniae 119, 127, 201  
   Pemphigus arrigmoniae 86  
   Pemphigus dorocola 127  
   Pemphigus niishimae 127  
   Tetraneura yezoensis 65, 98  
Chaenomeles speciosa "Boke"  
   Aphis spiraeicola 2, 65, 119  
   Myzus malisuctus 65  
Chaenomeles sp.  
   Aphis spiraeicola 10, 65  
Crataegus cuneata "Sanzashi"  
   Aphis spiraeicola 119  
   Eriosoma lanigera 10, 65  
   Myzus malisuctus 119, 127  
   Prociphilus crataegicola 119, 127  
   Rhopalosiphum padi 7, 10, 65  
   Stagona crataegi 2  
Crataegus oxyacantha "Seiyô-sanzashi"  
   Aphis spiraeicola 35, 65  
Crataegus sp.  
   Myzus malisuctus 84  
   Prociphilus crataegicola 82  
Cydonia oblonga "Marumero"  
   Aphis spiraeicola 10, 65, 127,  
   Rhopalosiphum padi 7, 10, 65  
   Watabura nishiyae 36  
Eriobotrya japonica "Biwa"  
   Aphis gossypii 65  
   Nippolachnus piri 32, 65, 80, 111, 119, 151, 152



Rhopalosiphum nymphaeae 65  
Filipendula kamtschatica "Oni-shimotsuke"  
 Aphis filipendulae 35  
Filipendula purpurea var. albiflora "Natsu-yukisô"  
 Aphis filipendulae 119  
Filipendula sp.  
 Aphis filipendulae 201  
Fragaria ananassa "Oranda-ichigo"  
 Aphis forbesi 54, 65, 72, 73  
 Aphis gossypii 57, 65  
 Chaetosiphon minor 54, 65, 86, 119  
Fragaria sp.  
 Aphis gossypii 35  
Geum sp.  
 Acyrthosiphon pisum 35  
Kerria japonica "Yama-buki"  
 Aulacorthum kerriae 95, 119, 127  
Kerria sp.  
 Aulacorthum kerriae 201  
Malus halliana "Kaidô"  
 Aphis spiraeicola 84  
 Eriosoma lanigera 10, 65  
 Rhopalosiphum padi 7, 10, 65  
Malus pumila "Ringo"  
 Aphis pomonella 201  
 Aphis spiraeicola 2, 10, 35, 65, 119, 127  
 Eriosoma lanigera 10, 36, 44, 45, 47, 48, 49, 65, 119, 127  
 Myzus malicolens 10, 65, 119  
 Myzus malisuctus 2, 10, 37, 48, 49, 65, 119, 127  
 Myzus persicae 57, 65, 119  
 Prociphilus crataegicola 119, 127  
 Prociphilus kuwanai 65  
 Prociphilus oriens 36  
 Prociphilus sasakii 46, 48, 49  
 Rhopalosiphum padi 10, 65, 145  
 Toxoptera odinae 2, 65, 119  
 Watabura nishiyae 5, 37, 196  
Malus sieboldii "Zumi"  
 Eriosoma lanigera 44  
 Rhopalosiphum padi 7, 10, 65  
Photinia glabra "Kaname-mochi"  
 Sinomegoura photiniae 180  
 Toxoptera aurantii 65, 74  
Pourthiaea villosa var. laevis "Kamatsuka"  
 Aphis spiraeicola 119  
 Eriosoma lanigera 65, 119  
 Melanaphis bambusae 139  
 Myzus malisuctus 65, 119  
 Prociphilus poulthiacae 46, 48, 49  
 Prociphilus ushikoroshi 86, 98, 119, 127  
 Yezabura photiniae 37, 119  
Prunus americana "Amerika-sumomo"  
 Rhopalosiphum donarium 37  
Prunus armeniaca var. ansu "Anzu"  
 Anuraphis prunus 119, 127  
 Aphis gossypii 57, 65, 119  
 Hyalopterus pruni 65  
 Myzus mumecola 10, 65, 119, 127  
 Myzus persicae 57, 65  
 Phorodon humuli japonensis 127  
 Rhopalosiphum donarium 65  
Prunus avium "Seiyô-mi-zakura"  
 Rhopalosiphum rufiabdominalis 208  
Prunus buergeriana "Inu-zakura"  
 Myzus inuzakurae 111, 119, 127  
 Rhopalosiphum donarium 119, 127  
 Rhopalosiphum padi 65, 119, 127  
Prunus communis "Seiyô-sumomo"  
 Hyalopterus pruni 10  
 Phorodon cannabis 10  
 Rhopalosiphum nymphaeae 2, 10  
Prunus donarium "Yae-zakura"  
 Myzus sakurae 65  
 Rhopalosiphum donarium 37, 65  
 Rhopalosiphum padi 7  
 Rhopalosiphum rufiabdominalis 209  
 Trichosiphoniella sasakii 80, 158  
Prunus grayana "Uwamizu-zakura"  
 Aphis uwamizusakurae 48, 49, 119  
 Rhopalosiphum donarium 119  
Prunus jamasakura "Yama-zakura"  
 Myzus sakurae 48  
 Rhopalosiphoninus celtifoliae 105  
 Rhopalosiphum rufiabdominalis 209  
 Trichosiphoniella momonis 46, 48, 49  
 Trichosiphoniella sasakii 48, 49  
Prunus japonica "Niwa-ume"  
 Myzus cerasi umefoliae 119, 127  
Prunus lannesiana "Ôshima-zakura"  
 Rhopalosiphum rufiabdominalis 209  
 Trichosiphoniella sasakii 49  
Prunus maximowiczii "Miyama-zakura"  
 Prociphilus oriens 30  
Prunus mume "Ume"  
 Anuraphis mume 9, 10, 96, 119  
 Anuraphis prunus 84, 119, 127  
 Aphis gossypii 57, 65, 119  
 Aphis spiraeicola 65, 119  
 Brachycaudus helichrysi 65  
 Hyalopterus pruni 10, 65, 119, 127  
 Myzus cerasi umefoliae 86, 198  
 Myzus mumecola 10, 35, 65, 86, 119, 127, 198  
 Myzus persicae 10, 57, 65, 206  
 Phorodon cannabis 10  
 Phorodon humuli japonensis 65, 127, 200  
 Rhopalosiphum nymphaeae 65, 98, 119, 127  
 Rhopalosiphum padi 10, 65, 127  
 Rhopalosiphum rufiabdominalis 59, 65, 119, 209

Prunus persica "Momo"

Abura momocola 35  
Anuraphis mume 9, 10, 65  
Anuraphis prunus 119  
Aphis gossypii 119  
Aphis spiraeicola 65, 119  
Hyalopterus pruni 10, 32, 65, 127, 151  
Myzus persicae 10, 34, 48, 49, 57, 65, 80,  
119, 127, 129, 168, 206  
Myzus sakurae 65, 98  
Myzus varians 119, 161, 166, 198  
Phorodon humuli japonensis 65, 98  
Phorodon persifoliae 84  
Rhopalosiphum momo 84  
Rhopalosiphum nymphaeae 2, 65, 98, 119, 127  
Rhopalosiphum padi 10, 65, 98  
Rhopalosiphum rufiabdominalis 59, 65, 119, 209  
Schizaphis piricola 65  
Trichosiphoniella momonis 10, 35, 65, 119, 127

Prunus salicina "Su-momo"

Aphis spiraeicola 65  
Brachycaudus helichrysi 65  
Capitophorus prunifoliae 86  
Hyalopterus pruni 65, 119, 127  
Macrosiphum sumoccola 48, 49  
Myzus persicae 34, 57, 65, 80  
Phorodon humuli japonensis 65, 98  
Rhopalosiphum nymphaeae 65  
Rhopalosiphum padi 10, 65  
Rhopalosiphum rufiabdominalis 209

Prunus sargentii "Ezo-yama-zakura"

Myzus sakurae 10, 35, 65  
Prociphilus oriens 30  
Rhopalosiphum padi 7, 10, 65  
Rhopalosiphum rufiabdominalis 209

Prunus sieboldii "Musha-zakura"

Trichosiphoniella sasakii 35

Prunus subhirtella "Ko-higan-zakura"

Trichosiphoniella momonis 46, 48, 49

Prunus yedoensis "Somei-yoshino"

Aphis gossypii 65  
Aphis spiraeicola 65  
Myzus sakurae 65  
Myzus persicae 65  
Rhopalosiphum nymphaeae 65  
Rhopalosiphum padi 65  
Rhopalosiphum rufiabdominalis 65, 209  
Toxoptera odinae 2  
Trichosiphoniella momonis 70, 127

Prunus sp.

Aphis gossypii 57, 119  
Aphis spiraeicola 119  
Aulacorthum magnoliae 199  
Hyalopterus pruni 35  
Myzus inuzakurae 110

Myzus mushaensis 56, 68, 198  
Myzus persicae 10, 35, 57, 119, 129, 206  
Myzus sakurae 56, 68, 98, 110, 198  
Nippodysaphis deutziae 4  
Phorodon humuli japonensis 98  
Rhopalosiphoninus celtifoliae 86, 119  
Rhopalosiphum nymphaeae 10, 98, 119, 127  
Rhopalosiphum padi 10, 35, 98  
Rhopalosiphum rufiabdominalis 119, 209  
Trichosiphoniella momonis 2, 56, 68, 110, 119  
Trichosiphoniella sasakii 56, 68, 110

Pyrus communis "Seiyō-nashi"

Aphis gossypii 65  
Aphis spiraeicola 10, 65  
Brachycaudus helichrysi 65  
Longiunguis siphonella 65  
Myzus malicolenis 65  
Myzus persicae 65  
Nippolachnus piri 65  
Prociphilus kuwanai 10, 12, 65  
Rhopalosiphum padi 10  
Sappaphis piri 10, 37, 65, 119  
Schizaphis piricola 10, 65  
Toxoptera odinae 65

Pyrus serotina var. culta "Nashi"

Anuraphis farfarae 98, 119, 127  
Anuraphis nashi 127  
Aphis gossypii 57  
Aphis spiraeicola 10, 35, 119, 127  
Aulacorthum magnoliae 74  
Brachycaudus helichrysi 119  
Cinacium iaksuiense 29  
Longicaudus trirhodus 127  
Longiunguis siphonella 2, 48, 49  
Myzus malicolenis 119  
Myzus persicae 57, 81, 119, 206  
Nippolachnus piri 2, 32, 35, 80, 111, 119,  
151, 152  
Prociphilus bumeliae 119  
Prociphilus kuwanai 2, 46, 48, 49, 89, 98,  
119, 155  
Rhopalosiphum nymphaeae 2  
Rhopalosiphum padi 7, 10  
Rhopalosiphum rufiabdominalis 119, 209  
Sappaphis piricola 10, 98, 119, 127  
Schizaphis piricola 2, 10, 35, 48, 49, 119,  
127  
Semiaphis montana 119  
Toxoptera odinae 2, 119

Pyrus ussuriensis "Chōsen-yamanashi"

Rhopalosiphum rufiabdominalis 59

Pyrus sp.

Prociphilus kuwanai 89

Rhaphiolepis umbellata "Sharimbai"

Nippolachnus piri 151

Rosa chinensis "Kôshin-bara"  
 Macrosiphum ibarae 35  
Rosa multiflora "No-ibara"  
 Brachycaudus helichrysi 96  
 Longicaudus trirhodus 65, 119  
 Macrosiphum ibarae 2, 35, 65  
Rosa rugosa "Hama-nasu"  
 Aphis gossypii 57, 65  
 Brachycaudus helichrysi 96  
 Chaetosiphon coreanus 42  
 Longicaudus trirhodus 65, 119, 127  
 Macrosiphum mordvilkoii 42  
 Myzus japonensis 42  
Rosa sp.  
 Longicaudus trirhodus 65, 119, 127  
 Macrosiphum ibarae 10, 65, 70, 119, 157, 161, 197  
 Rhodobium porosum 200  
Rubus crataegifolius "Kuma-ichigo"  
 Aphis ichigo 119, 127  
 Matsumuraja rubi 207  
Rubus hirsutus "Kusa-ichigo"  
 Matsumuraja rubifoliae 176, 207  
Rubus illecebrosus "Bara-ichigo"  
 Amphorophora ichigo 84  
Rubus microphyllus "Niga-ichigo"  
 Matsumuraja rubi 207  
 Matsumuraja nuditerga 207  
Rubus palmatus "Nagaba-momiji-ichigo"  
 Matsumuraja rubifoliae 176, 207  
 Matsumuraja rubiphila 207  
Rubus peltatus "Hasunoha-ichigo"  
 Matsumuraja sorini 207  
Rubus trifidus "Kaji-ichigo"  
 Aphis ichigo 84  
Rubus sp.  
 Acyrthosiphon rubiformosanus 200  
 Amphorophora ichigo 119  
 Amphorophora rubiphaga 188  
 Aphis ichigo 201  
 Aphis ichigocola 119  
 Macrosiphum rubiphila 197  
 Matsumuraja nuditerga 4  
 Matsumuraja rubea 207  
 Matsumuraja rubi 37, 69, 119, 133, 207  
 Matsumuraja rubifoliae 69, 70, 133, 161, 207  
Sanguisorba officinalis "Waremokô"  
 Aphis craccivora 2, 65, 119  
 Aphis sanguisorbae 112, 119, 201  
 Brachycaudus sanguisorbae 86, 119  
Sorbaria sorbifolia var. stellipila "Hozaki-nana-kamado"  
 Macrosiphum sorbi 188  
 Rhopalosiphum donarium 169  
Sorbus alnifolia "Azuki-nashi"  
 Nippolachnus micromeli 86  
 Nippolachnus piri 65, 111, 119  
Sorbus commixta "Nanakamado"  
 Macrosiphum sorbi 37  
 Myzaphis komatsubarae 84  
 Prociphilus oriens 30  
Spiraea cantoniensis "Ko-demari"  
 Aphis spiraeicola 65, 74, 119  
 Parachaitophorus spiraeae 158, 167, 185  
Spiraea japonica "Shimotsuke"  
 Parachaitophorus spiraeae 185  
Spiraea salicifolia "Hozaki-shimotsuke"  
 Aphis neospiraeae 201  
Spiraea thunbergii "Yuki-yanagi"  
 Aphis kogomecola 35  
 Aphis spiraeicola 65, 74  
Spiraea sp.  
 Aphis spiraeicola 210  
 Acyrthosiphon pisum 35  
Stephanandra incisa "Kogome-utsugi"  
 Aphis spiraeicola 65, 119  
 LEGUMINOSAE  
Aeschynomene indica "Kusa-nemu"  
 Aphis craccivora 135, 136  
Albizia julibrissin "Nemu-no-ki"  
 Aphis gossypii 119  
Astragalus sinicus "Genge"  
 Aphis craccivora 2, 10, 65, 119, 135, 136  
 Myzus persicae 34, 206  
Astragalus sp.  
 Myzus persicae 35, 57  
Azuki angularis "Azuki"  
 Aphis craccivora 65, 70, 119, 135, 136  
 Aphis gossypii 57, 65  
 Aulacorthum solani 8, 10, 57, 62, 65, 70  
 Macrocaudus phaseoli 119  
 Myzus persicae 34, 57, 65  
Azuki radiata "Bundô"  
 Aphis craccivora 10  
Cassia nomame "Kawara-ketsumei"  
 Aphis craccivora 65, 119  
Cassia tora "Ebisu-gusa"  
 Aphis craccivora 135  
Colutea sp.  
 Acyrthosiphon pisum 35  
Dolichos lablab "Ingen"  
 Aphis craccivora 65, 119, 135  
 Aulacorthum solani 57, 62, 65  
Gleditsia japonica "Saikachi"  
 Aphis craccivora 65, 119  
 Aulacorthum magnoliae 147  
Glycine max "Daizu"  
 Acyrthosiphon pisum 10, 65, 77, 119  
 Aphis craccivora 65, 77  
 Aphis glycines 10, 35, 65, 70, 77, 98, 119,

127, 201, 210  
 Aphis gossypii 57, 65  
 Aulacorthum solani 8, 10, 57, 62, 65, 77, 119  
 Myzus persicae 34, 57, 65  
 Tinocallis zelkowae 77

Glycine soja "Tsuru-mame"  
 Aphis glycines 80

Glycine sp.  
 Aulacorthum solani 35  
 Myzus persicae 35

Indigofera pseudo-tinctoria "Koma-tsunagi"  
 Aphis craccivora 135  
 Aphis indigoferae 84, 119

Lathyrus davidii "Itachi-sasage"  
 Megoura crassicauda 58, 65, 85, 86

Lathyrus japonicus "Hama-endô"  
 Acyrthosiphon pisum 65  
 Megoura crassicauda 58, 65

Lathyrus odoratus "Jakô-renrisô"  
 Acyrthosiphon pisum 10

Lathyrus sp.  
 Acyrthosiphon pisum 35

Lespedeza bicolor "Ezo-yama-hagi"  
 Aulacorthum solani 2, 35  
 Macrosiphum hagicola 35

Lespedeza bicolor var. japonica "Hagi"  
 Aulacorthum solani 8, 10, 57, 62, 65  
 Megoura lespedezae 2, 70, 88, 119

Lespedeza sp.  
 Aulacorthum solani 35, 119  
 Macrosiphum hagicola 119

Lotus corniculatus var. japonicus "Miyako-gusa"  
 Aphis craccivora 135

Lotus sp.  
 Acyrthosiphon pisum 35

Medicago sativa "Murasaki-umagoyashi"  
 Acyrthosiphon pisum 200

Ononis sp.  
 Acyrthosiphon pisum 35

Phaseolus mungo var. subtilobata  
 Macrocaudus phaseoli 94

Phaseolus vulgaris "Goguatsu-sasage"  
 Aulacorthum solani 8, 10

Phaseolus sp.  
 Aphis gossypii 35  
 Aphis rumicis 35, 65

Pisum sativum "Endô"  
 Acyrthosiphon pisum 10, 65, 119  
 Aphis craccivora 135  
 Aulacorthum solani 8, 10, 57, 62, 65  
 Myzus persicae 206

Pisum sp.  
 Acyrthosiphon pisum 35  
 Acyrthosiphon pisum brevicaudatus 200  
 Aulacorthum solani 35

Pueraria lobata "Kuzu"  
 Aphis craccivora 65, 135

Robinia pseudoacacia "Hari-enju"  
 Aphis craccivora 65, 119, 135  
 Aphis craccivora pseudoacaciae 201

Spartium sp.  
 Acyrthosiphon pisum 35

Trifolium incarnatum "Benibana-umagoyashi"  
 Aulacorthum solani 8, 10, 57, 62, 65

Trifolium pratense "Murasaki-tsumekusa"  
 Aulacorthum solani 8, 10, 57, 62, 65

Trifolium repens "Shiro-tsumekusa"  
 Acyrthosiphon pisum 65, 119  
 Acyrthosiphon pisum brevicaudatus 200  
 Aphis craccivora 135  
 Aulacorthum solani 8, 10, 57, 62, 65

Trifolium sp.  
 Acyrthosiphon pisum 10, 35, 65  
 Aphis gossypii 57, 65  
 Therioaphis ononidis 119

Vicia angustifolia var. segetalis "Yahazu-endô"  
 Aphis craccivora 65  
 Pergandeida cracca 155

Vicia cracca "Kusa-fuji"  
 Megoura crassicauda 58  
 Pergandeida cracca 155

Vicia fava "Soramame"  
 Amphorophora vicicola 117, 119  
 Aphis craccivora 2, 10, 65, 119, 135, 136  
 Aulacorthum magnoliae 65  
 Megoura crassicauda 58  
 Myzus persicae 206

Vicia hirsuta "Suzume-no-endô"  
 Aphis craccivora 135

Vicia sepium "Karasu-no-endô"  
 Aphis craccivora 135, 136

Vicia unijuga "Tani-watashi"  
 Megoura crassicauda 35, 58, 65, 119

Vicia sp.  
 Aphis rumicis 35, 65  
 Megoura crassicauda 58

Vigna catiung var. sinensis "Sasage"  
 Aphis craccivora 65, 119, 135

Vigna sinensis  
 Pterocomma vignae 35

Vigna sp.  
 Aphis rumicis 35

GERANIACEAE  
Geranium thunbergii "Genno-shôko"  
 Myzus geranicola 107, 119

Geranium sp.  
 Cryptaphis geranii 188

OXALIDACEAE  
Oxalis corniculata "Katabami"  
 Aulacorthum solani 62, 65

RUTACEAE  
Acronychia pedunculata

Sinomegoura citricola 58  
Chalcos paniculata "Gekkitsu"  
 Sinomegoura citricola 58, 161  
 Toxoptera citricidus 161  
Citrus deliciosa "Mikan"  
 Toxoptera aurantii 119  
 Toxoptera odinae 119  
Citrus sinensis 'Orange'  
 Aphis gossypii 2, 65  
 Aulacorthum magnoliae 2  
 Toxoptera citricidus 65  
 Toxoptera odinae 2  
Citrus sinensis var. brasiliensis 'Navel orange'  
 Aphis gossypii 57  
Citrus tachibana "Tachi-bana"  
 Sinomegoura citricola 58  
Citrus unshiu "Unshū-mikan"  
 Aphis spiraeocola 74  
 Aulacorthum magnoliae 65  
Citrus sp.  
 Aphis gossypii 57, 65  
 Aulacorthum magnoliae 65, 74, 119, 199  
 Myzus persicae 34, 35, 57, 65  
 Sinomegoura citricola 2  
 Toxoptera aurantii 35, 65, 127, 161  
 Toxoptera citricidus 65, 74, 119, 161  
 Toxoptera odinae 65  
Evodia rutaecarpa "Go-shu-yu"  
 Aulacorthum magnoliae 147  
 Thomasiniellula tomitae 83  
 Toxoptera odinae 119  
Orixa japonica "Ko-kusagi"  
 Aulacorthum magnoliae 147  
 Myzus kusaki 119  
Poncirus trifoliata "Karatachi"  
 Aulacorthum magnoliae 2, 147  
 Toxoptera aurantii 65, 74, 161  
 Toxoptera citricidus 65, 74, 84, 119  
Ptelea trifoliata "Hoppu-no-ki"  
 Mesocallis pteleae 38  
Zanthoxylum ailanthoides "Karasu-zanshō"  
 Toxoptera odinae 65, 84, 119  
Zanthoxylum piperitum "Sanshō"  
 Aulacorthum magnoliae 65, 147  
 Myzus persicae 206  
 Myzus xanthomelii 119  
 Toxoptera odinae 65, 83, 119  
 SIMAROUACEAE  
Ailanthus altissima "Shin-ju"  
 Kurisakia ailanthi 181  
 EUPHORBIACEAE  
Acalypha australis "Enoki-gusa"  
 Aphis gossypii 57, 65  
Acalypha sp.  
 Aphis gossypii 35  
Brideria ovata "Maruyama-kanko"  
 Sinomegoura citricola 58  
Euphorbia supina "Ko-nishiki-sō"  
 Aphis craccivora 135  
Glochidion sp.  
 Aphis spiraeocola 65  
Phyllanthus sp.  
 Amphorophora phyllanthi 167  
Saphium sebiferum "Nankin-haze"  
 Toxoptera odinae 157  
 CORIARIACEAE  
Coriaria japonica "Doku-utsugi"  
 Macrosiphum coriariae 84  
 ANACARDIACEAE  
Rhus ambigua "Tsuta-urushi"  
 Sumoia rhois 119  
Rhus javanica "Nurude"  
 Nurudea ibofushi 36  
 Nurudea rosea 36, 48, 49, 119, 127  
 Nurudeopsis shiraii 36  
 Nurudeopsis yanoniella 36  
 Prociphilus oriens 36  
 Schlechtendalia chinensis 80, 119  
 Schlechtendalia intermedia 36  
 Schlechtendalia mimifushi 36, 48, 49, 51  
 Schlechtendalia miyabei 36  
 Toxoptera odinae 2, 65, 119  
Rhus succedanea "Haze"  
 Aulacorthum magnoliae 65  
 Toxoptera odinae 65, 119  
Rhus trichocarpa "Yama-urushi"  
 Sumoia rhois 195  
Rhus verniciflua "Urushi"  
 Prociphilus kuwanai 65  
 Sumoia rhois 158  
 Toxoptera odinae 35  
Rhus sp.  
 Aulacorthum magnoliae 199  
 Toxoptera odinae 163  
 AQUIFOLIACEAE  
Ilex macropoda "Ao-hada"  
 Aulacorthum magnoliae 80  
Ilex pedunculosa "Soyogo"  
 Toxoptera odinae 211  
Ilex serrata "Ume-modoki"  
 Anuraphis ilexis 70  
 Aulacorthum magnoliae 80  
 Macrosiphoniella prunifoliae 60, 86  
 Ryoichitakahashia ilicis 4, 119  
 CELASTRACEAE  
Celastrus orbiculatus "Tsuru-umemodoki"  
 Aphis celastrii 35, 201  
 Aphis gossypii 57, 65, 119  
 Aphis spiraeocola 65, 119, 127  
 Aulacorthum magnoliae 65, 74, 119, 127, 147, 152

Toxoptera odinae 65  
Euonymus alatus "Nishiki-gi"  
 Aulacorthum magnoliae 80, 147  
 Macrosiphum nishikigi 39  
 Pseudomegoura nishikigi 119  
Euonymus altatus var. subtriflorus "Ko-mayumi"  
 Myzus komaumii 125  
 Myzus lonicerae 127  
Euonymus japonicus "Masaki"  
 Aphis rumicis 65  
 Aulacorthum magnoliae 80  
 STAPHYLEACEAE  
Euscaphis japonica "Gonzui"  
 Aulacorthum magnoliae 80  
 Indomegoura indica 2, 155  
 Phorodon viburni 119  
Staphylea bumalda "Mitsuba-utsugi"  
 Indomegoura indica 2, 85, 105, 119, 155  
 Indomegoura miniatum 37  
 ACERACEAE  
Acer carpinifolium "Chidori-no-ki"  
 Periphyllus californiensis 70, 149, 152  
Acer diabolicum "Kaji-kaede"  
 Yamatocallis tokyoensis 85  
Acer japonicum "Hauchiwa-kaede"  
 Periphyllus californiensis 35  
 Yamatocallis tokyoensis 85  
Acer miyabei "Kurobi-itaya-kaede"  
 Periphyllus californiensis 35  
Acer mono "Itaya-kaede"  
 Periphyllus californiensis 119  
 Periphyllus kuwanai 149  
 Periphyllus viridis 111, 119  
 Yamatocallis hirayamae 102, 111  
Acer palmatum "Iroha-momiji"  
 Periphyllus californiensis 35, 152  
 Rhopalosiphum acericola 35  
Acer pictum var. dissectum "Enkō-kaede"  
 Periphyllus kuwanai 2, 152  
 Periphyllus viridis 38, 169  
Acer pictum var. typicum  
 Stomaphis takahashii 140  
Acer rufinerve "Urihada-kaede"  
 Trichaitophorus koyaensis 185  
Acer sp.  
 Aulacorthum magnoliae 147  
 Drepanaphis acerifoliae 88  
 Megalocallis takagii 196  
 Nippochaitophorus moriokaensis 185  
 Periphyllus californiensis 80, 149  
 Periphyllus testudinacea 111, 119  
 Stomaphis aceris 182  
 Trichaitophorus albus 184  
 Yamatocallis hirayamae 70, 102, 110, 119  
 Yamatocallis moriokaensis 102, 110, 119

HIPPOCASTANACEAE  
Aesculus turbinata "Tochi-no-ki"  
 Periphyllus californiensis 149  
 Stomaphis yanonis aesculi 182  
Aesculus sp.  
 Periphyllus californiensis 152  
 SAPINDACEAE  
Koelreuteria paniculata "Mokugenji"  
 Periphyllus koelreuteriae 88, 111, 119, 127,  
 149, 152  
 SABIACEAE  
Meliosma myriantha "Awabuki"  
 Mollitrichosiphum yamabiwae 119, 144  
 BALSAMINACEAE  
Impatiens balsamina "Hōsenka"  
 Aleurodaphis mikaniae 70  
 Eumyzus impatiensae 119  
 Impatientinum impatiens 84, 119  
 Sinomegoura citricola 65  
Impatiens noli-tangere "Ki-tsurifunesō"  
 Eumyzus gallicola 195  
 Eumyzus impatiensae 48, 49, 119, 127  
 Hydronaphis impatiens 84, 200  
 Impatientinum balsamines 200  
 Impatientinum impatiens 200  
 Semiaphis moiwaensis 200  
Impatiens textori "Tsurifune-sō"  
 Eumyzus impatiensae 48, 49, 70, 119, 127  
 Impatientinum impatiens 119, 200  
 RHAMNACEAE  
Berchemia racemosa "Kuma-yanagi"  
 Acyrthosiphon berkemiae 119  
Rhamnella franguloides "Nekono-chichi"  
 Aphis rhamnellae 84  
 Brachycaudus sanguisorbae 119  
Rhamnus japonica "Kuro-umemodoki"  
 Acaudus rhamni 9  
 Brachycaudus sanguisorbae 119  
Rhamnus sp.  
 Aphis gossypii 35  
 VITACEAE  
Cayratia japonica "Yabu-garashi"  
 Aphis gossypii 57, 65, 80, 84  
Parthenocissus tricuspidata "Tsuta"  
 Macrosiphum avenae akebiae 119  
 Myzus parthenocissi 198  
Vitis vinifera "Budō"  
 Viteus vitifolii 48, 49, 127  
 TILIACEAE  
Tilia japonica "Shinanoki"  
 Rhopalosiphoninus tiliae 37, 105, 119, 169  
 Therioaphis americana 111  
 Therioaphis tilicola 101, 119  
 Tiliaphis shinae 101, 111, 119  
Tilia maximowicziana "Ōba-bodaiju"

Prociphilus oriens 30  
Tilia miqueliana "Bodaiju"  
   Rhopalosiphoninus tiliae 105  
   Therioaphis japonica 101, 111, 119  
   Therioaphis tilicola 101, 111, 119  
 MALVACEAE  
Althaea rosea "Tachi-aoi"  
   Aphis gossypii 57, 65, 66  
   Aulacorthum solani 62  
   Myzus persicae 57, 65  
Gossypium indicum "Wata"  
   Aphis gossypii 57, 65  
Gossypium sp.  
   Aphis gossypii 35  
Hibiscus mutabilis "Fuyō"  
   Aphis gossypii 57, 65  
Hibiscus rosa-sinensis "Bussōge"  
   Aphis gossypii 57, 65, 161  
Hibiscus syriacus "Mukuge"  
   Aphis craccivora 2, 119  
   Aphis gossypii 57, 65, 66, 72, 80, 84  
   Aulacorthum magnoliae 147  
Malva sylvestris var. mauritiana "Zeni-aoi"  
   Amphorophora malvicola 119  
Malva verticillata "Aoi"  
   Aphis gossypii 119  
Malva sp.  
   Aphis gossypii 35  
   Macrosiphum malvicola 35  
 STERCULIACEAE  
Firmiana simplex "Ao-giri"  
   Aphis gossypii 127  
 THEACEAE  
Camellia japonica var. hortensis "Tsubaki"  
   Myzus inuzakurae 119  
   Toxoptera aurantii 65  
   Toxoptera odinae 210  
Camellia sp.  
   Toxoptera aurantii 74  
Eurya japonica "Hisakaki"  
   Aphis euryae 84  
   Toxoptera odinae 211  
Ternstroemia gymnanthera "Mokkoku"  
   Aulacorthum magnoliae 80  
Thea sinensis "Cha"  
   Sinomegoura citricola 119  
   Toxoptera aurantii 65, 70, 74, 119, 127  
 BIXACEAE  
Bixa orellana "Beni-noki"  
   Sinomegoura citricola 58  
 VIOLACEAE  
Viola mandshurica "Sumire"  
   Aphis sumire 59  
Viola sp.  
   Aphis sumire 70, 201  
   Myzus ascalonicus 198  
   Neotoxoptera formosana 65, 119  
 STACHYURACEAE  
Stachyurus praecox "Kibushi"  
   Xenosiphonaphis japonica 190  
 CACTACEAE  
Cactus sp.  
   Aphis gossypii 57, 65  
 ELAEAGNACEAE  
Elaeagnus glabra "Tsuru-gumi"  
   Capitophorus elaeagni 166  
Elaeagnus multiflora "Natsu-gumi"  
   Capitophorus elaeagni 10, 65  
   Capitophorus hippophaes javanicus 65  
   Myzus gumi 119  
Elaeagnus sp.  
   Capitophorus elaeagni 61, 65, 70, 98  
   Capitophorus hippophaes javanicus 37, 61, 80, 127  
   Myzus gumi 84  
 LYTHRACEAE  
Lagerstroemia indica "Saru-suberi"  
   Aulacorthum magnoliae 147, 152  
   Tinocallis kahawaluokalani 80, 83, 111, 119, 133  
Lagerstroemia sp.  
   Aulacorthum magnoliae 199  
 PUNICACEAE  
Punica granatum "Zakuro"  
   Aphis gossypii 57, 65  
   Aphis punicae 84  
 MYRTACEAE  
Eugenia densiflora  
   Sinomegoura citricola 58  
Psidium guyava "Banjirō"  
   Aphis gossypii 161  
   Greenidea formosana 119, 161  
 MELASTOMATACEAE  
Melastoma candidum "No-botan"  
   Aphis gossypii 57, 65  
 ONAGRACEAE  
Epilobium sp.  
   Acyrtosiphon pisum 35  
Fuchsia hybrida "Hokusha"  
   Myzus persicae 57, 65  
Fuchsia sp.  
   Myzus persicae 35  
 ARALIACEAE  
Acanthopanax divaricatus "Ke-yama-ukogi"  
   Toxoptera odinae 37  
Acanthopanax spinosus "Yama-ukogi"  
   Toxoptera odinae 65  
Aralia cinensis "Shina-taranoki"  
   Toxoptera odinae 35, 37  
Aralia cordata "Udo"  
   Aphis acanthopanaci 201

Cavariella araliae 191  
 Toxoptera odinae 35  
Aralia elata "Tara-no-ki"  
 Cavariella araliae 119, 191  
 Toxoptera odinae 119  
Aralia sp.  
 Cavariella araliae 210  
Dendropanax trifidus "Kakuremino"  
 Cavariella gilbertiae 191  
Fatsia japonica "Yatsude"  
 Aulacorthum magnoliae 80  
 Toxoptera odinae 65  
Hedera rhombea "Ki-zuta"  
 Aphis hederiphaga 201  
Kalopanax pictus "Hari-giri"  
 Aphis acanthopanaci 35  
 Toxoptera odinae 9, 37, 65  
Panax ginseng "Ninjin"  
 Myzus persicae 206  
 Semiaphis heraclei 65  
 Vesiculaphis caricis 65, 98, 119  
Tetrapanax papyriferus "Tsūdatsuboku"  
 Cavariella nigrocaudata 200  
 UMBELLIFERAE  
Angelica acutiloba "Tōki"  
 Hyalopterus albus 48, 49  
Angelica decursiva "Nodake"  
 Semiaphis heraclei 65  
Angelica polymorpha "Shirane-senkyu"  
 Aphis heraclicola 119  
 Cavariella japonica 2, 119, 191  
Angelica pubescens "Shishi-udo"  
 Paramyzus heraclei similis 195  
Angelica ursina "Ezo-nyu"  
 Cavariella angelicae 37  
Chaerophyllum sp.  
 Acyrthosiphon pisum 35  
Cryptotaenia japonica "Mitsuba"  
 Aphis gossypii 57, 119  
 Aphis mitsubae 84  
 Aphis spiraeicola 65, 119  
 Cavariella japonica 191  
 Cavariella oenanthi 191  
 Cavariella salicicola 10, 65, 86, 119, 191  
 Galiaphis cryptotaeniae 200  
 Semiaphis heraclei 65  
Dystaenia ibukiensis "Seri-modoki"  
 Cavariella japonica 191  
Heracleum moellendorffii "Hana-udo"  
 Cavariella heraclei 191  
 Cavariella nipponica 191  
 Paramyzus heraclei similis 195  
Oenanthe javanica "Seri"  
 Aphis gossypii 57, 65, 119  
 Aphis spiraeicola 65, 119  
 Cavariella oenanthi 191  
 Cavariella salicicola 65, 119  
 Hydronaphis oenanthi 84, 119  
Osmorhiza aristata "Yabu-ninjin"  
 Semiaphis heraclei 65  
Peucedanum japonicum "Botan-bōfū"  
 Aphis gossypii 57, 65  
Peucedanum sp.  
 Aphis rumicis 35, 65  
 A plant of Umbelliferae  
 Semiaphis heraclei 161  
 CORNACEAE  
Aucuba japonica "Aoki"  
 Aulacorthum linderiae 84, 119  
 Aulacorthum magnoliae 80  
Cornus brachypoda "Kumano-mizuki"  
 Anoecia fulviabdominalis 209  
 Macrosiphum cornifoliae 85, 86, 119  
Cornus controversa "Mizuki"  
 Anoecia fulviabdominalis 10, 65, 70, 98, 111, 119, 207  
 Rhopalosiphum corniculum 37  
Cornus kousa "Yama-bōshi"  
 Macrosiphum cornifoliae 119, 127  
Cornus sp.  
 Anoecia fulviabdominalis 36, 65  
 GAMOPETALAE  
 CLETHRACEAE  
Clethra barbinervis "Ryōbu"  
 Matsumuraja rubifoliae 69, 176, 207  
 ERICACEAE  
Enkianthus perulatus "Dōdan-tsutsuji"  
 Akkaia polygoni 85, 86, 98, 119  
 Aulacorthum magnoliae 80  
Enkianthus sp.  
 Akkaia polygoni 189  
Pieris sp.  
 Aulacorthum magnoliae 199  
Rhododendron albrechtii "Miyama-tsutsuji"  
 Vesiculaphis caricis 65  
Rhododendron indicum "Satsuki"  
 Vesiculaphis caricis 65  
Rhododendron kaempferi "Yama-tsutsuji"  
 Vesiculaphis caricis 65, 211  
Rhododendron obtusum "Kirishima-tsutsuji"  
 Vesiculaphis caricis 65  
Rhododendron sp.  
 Vesiculaphis caricis 98, 119  
 Vesiculaphis kongoensis 200  
 PRIMULACEAE  
Cyclamen europeanum "Buta-no-manjū"  
 Aulacorthum circumflexum 10, 65  
 Myzus persicae 10  
Cyclamen sp.  
 Aulacorthum circumflexum 119



Myzus persicae 65  
Lysimachia mauritiana "Hama-bossu"  
   Aphis gossypii 57, 65  
Primula sieboldii "Sakura-sô"  
   Myzus primulana 10, 35, 65, 119  
Primula sp.  
   Myzus persicae 65  
 EBENACEAE  
Diospyros kaki "Kaki-no-ki"  
   Myzus persicae 206  
 STYRACACEAE  
Styrax japonica "Ego-no-ki"  
   Astegopteryx pseudostracophila 114, 119  
   Astegopteryx styracophila 80, 114, 119, 127  
   Astegopteryx takenouchii 114  
   Ceratovacuna nekoashi 36, 48, 49, 51  
Styrax obassia "Hakuun-boku"  
   Astegopteryx styraci 36,48,49,51,114,119,127  
   Prociphilus oriens 30  
Styrax sp.  
   Astegopteryx takenouchii 119, 165  
 OLEACEAE  
Forsythia japonica "Yamato-rengyô"  
   Prociphilus oriens 30  
Forsythia suspensa "Rengyô"  
   Aulacorthum magnoliae 147  
   Prociphilus kuwanai 65  
Fraxinus americana "Amerika-toneriko"  
   Prociphilus oriens 30  
Fraxinus excelsior "Seiyô-toneriko"  
   Prociphilus oriens 30  
Fraxinus lanuginosa "Ao-damo"  
   Prociphilus oriens 12, 30  
Fraxinus longicuspis "Yamato-aodamo"  
   Chaitophorus fraxinicolus 38  
   Rhopalosiphum fraxinicola 35  
Fraxinus mandshurica var. japonica "Yachi-damo"  
   Prociphilus oriens 12, 22, 30  
Fraxinus sieboldiana "Maruba-aodamo"  
   Prociphilus oriens 22  
Fraxinus spaethiana "Shioji"  
   Prociphilus oriens 48, 49  
Fraxinus velutina "Beruchina-toneriko"  
   Prociphilus oriens 30  
Fraxinus sp.  
   Prociphilus oriens 36  
Ligustrum obtusifolium "Ibota-no-ki"  
   Anuraphis ligustri 85, 86, 119  
   Aulacorthum ibotum 2, 119  
   Prociphilus oriens 30  
Ligustrum ovalifolium "Ôba-ibota"  
   Prociphilus oriens 30  
Ligustrum tschonoskii var. glabrescens "Ezo-ibota"  
   Prociphilus oriens 30  
Ligustrum sp.  
   Aulacorthum ibotum 199  
Osmanthus heterophyllus "Hiragi"  
   Prociphilus osmanthae 2  
Osmanthus insularis "Nataore-no-ki"  
   Toxoptera odinae 70  
Syringa reticulata "Hashidoi"  
   Aulacorthum syringae 37, 199  
   Prociphilus oriens 30, 36  
Syringa vulgaris "Murasaki-hashidoi"  
   Prociphilus oriens 12, 22, 30  
Syringa sp.  
   Macrosiphum malvicola 35  
   Prociphilus oriens 30  
 LOGANIACEAE  
Buddleja venenifera "Urajiro-fujiutsugi"  
   Aphis spiraeicola 65  
 APOCYNACEAE  
Nerium indicum "Kyôchikutô"  
   Aphis nerii 119, 127, 133  
   Myzus persicae 57, 65  
Nerium sp.  
   Aphis nerii 161  
Trachelospermum jasminoides var. pubescens "Ke-teika-kazura"  
   Toxoptera aurantii 65, 74  
 ASCLEPIADACEAE  
Asclepias curassavica "Tô-wata"  
   Aphis gossypii 57, 65  
Asclepias sp.  
   Aphis gossypii 35  
Metaplexis japonica "Gagaimo"  
   Aphis nerii 119, 127  
 CONVOLVULACEAE  
Calystegia japonica "Hirugao"  
   Aulacorthum magnoliae 147  
Convolvulus sp.  
   Aphis gossypii 35  
Ipomoea batatas var. edulis "Satsuma-imo"  
   Aulacorthum magnoliae 65, 74  
   Myzus persicae 1, 34, 57, 65, 161, 206  
Ipomoea hil "Asagao"  
   Aulacorthum magnoliae 2  
   Myzus persicae 10, 57  
Ipomoea sp.  
   Myzus persicae 35  
 BORAGINACEAE  
Borago sp.  
   Aphis rumicis 35, 65  
 VERBENACEAE  
Callicarpa japonica "Murasaki-shikibu"  
   Aphis gossypii 57, 65, 66  
Clerodendron japonicum "Hi-giri"  
   Aphis gossypii 66  
Clerodendron trichotomum "Kusagi"  
   Aphis clerodendri 35

*Aphis gossypii* 2, 57, 65, 80, 119, 127, 168  
*Aulacorthum magnoliae* 147  
Clerodendron trichotomum var. yakusimense "Amakusagi"  
*Aphis clerodendri* 201  
Verbena sp.  
*Myzus persicae* 35, 57, 65  
LABIATAE  
Clinopodium gracile "Tô-bana"  
*Eumyzus clinopodii* 200  
Clinopodium sp.  
*Chaitomyzus hirticornis* 180  
Elsholtzia ciliata "Naginata-kôju"  
*Eriosoma elsholtziae* 113, 119, 127  
*Kaltenbachella japonica* 51  
*Trichosiphoniella momonis* 127  
Glechoma hederacea var. grandis "Kaki-dôshi"  
*Aulacorthum glechomae* 199  
Lamium album var. barbatum "Odorikosô"  
*Aphis odorikonis* 35, 201  
Lamium amplexicaule "Kasumi-sô"  
*Myzus persicae* 206  
Leonurus sibiricus "Mehajiki"  
*Aphis gossypii* 57, 65, 119, 127, 157  
Lycopus lucidus "Shirone"  
*Cerosipha lycopicola* 119, 127  
Mentha arvensis var. piperascens "Hakka"  
*Aphis gossypii* 119  
*Aulacorthum solani* 8, 11, 57, 62, 65  
*Ovatus menthae* 10, 65, 119, 127  
Mentha japonica "Hime-hakka"  
*Ovatus menthae* 133  
Mentha sp.  
*Cryptaphis menthae* 188  
*Ovatus minutus nipponicus* 200  
Mosla japonica "Yama-jiso"  
*Aphis gossypii* 65  
Nepeta subsessilis var. yesoensis "Ezo-misogawasô"  
*Aulacorthum nepetifolii* 41  
Nepeta sp.  
*Aphis gossypii* 35, 65  
Perilla frutescens var. crispa "Shiso"  
*Aphis egomae* 84  
*Aphis gossypii* 10, 57, 65, 80, 84, 119, 127  
*Aulacorthum perillae* 65, 86, 119  
*Eomyzus nipponicus* 59  
Perilla frutescens var. japonica "E-goma"  
*Aphis gossypii* 10, 65  
Perilla sp.  
*Aulacorthum perillae* 199  
*Eomyzus nipponicus* 180  
Plectranthus inflexus "Yama-hakka"  
*Myzus plectranthi* 118, 127  
Plectranthus longitubus "Aki-chôji"  
*Anuraphis floris* 51, 119  
Plectranthus sp.  
*Metaphorodon isodonis* 200  
Stachys japonica var. intermedia "Inu-goma"  
*Aphis gossypii* 84  
A plant of Labiatae  
*Ovatus minutus nipponicus* 200  
SOLANACEAE  
Capsicum annuum "Tô-garashi"  
*Myzus persicae* 1, 57, 65, 119  
Datura alba "Chôsen-asagao"  
*Aphis gossypii* 57, 65  
Lycium chinense "Kuko"  
*Aulacorthum magnoliae* 65  
Lycopersicon esculentum "Tomato"  
*Aulacorthum solani* 8, 10, 57, 62, 65  
*Myzus persicae* 10, 34, 57, 65, 119, 130, 206  
Lycopersicon sp.  
*Aulacorthum solani* 35  
*Myzus persicae* 35, 57  
Nicotiana tabacum "Tabako"  
*Aphis gossypii* 57  
*Macrosiphum sobae* 119  
*Myzus persicae* 10, 57, 65, 119, 129, 130, 198, 206  
Physalis alkekengi "Hôzuki"  
*Myzus physaliae* 86, 119  
*Myzus persicae* 57, 65  
Physalis pubescens "Hasuku-tomato"  
*Myzus persicae* 34  
Physalis sp.  
*Aulacorthum solani* 35  
*Myzus persicae* 35, 57, 65  
Solanum melongena var. esculentum "Nasu"  
*Aphis gossypii* 2, 57, 65, 66, 127  
*Aulacorthum solani* 8, 10, 57, 62, 65  
*Myzus persicae* 10, 34, 57, 65, 119, 130, 161, 206  
Solanum tuberosum "Jaga-imo"  
*Aphis gossypii* 2, 57, 65  
*Aulacorthum solani* 8, 10, 57, 62, 65, 146  
*Macrosiphum euphorbiae* 197  
*Macrosiphum sobae* 119  
*Myzus persicae* 1, 10, 34, 57, 65, 119, 146, 206  
*Rhopalosiphum donarium* 65  
*Rhopalosiphum rufiabdominalis* 59  
Solanum sp.  
*Aulacorthum solani* 35  
*Myzus persicae* 35, 57, 65  
A plant of Solanaceae  
*Aphis gossypii* 80  
SCROPHULARIACEAE  
Antirrhinum majus "Kingyo-sô"  
*Myzus persicae* 130, 206  
Calceolaria corymbosa "Kinchyaku-sô"  
*Aulacorthum circumflexum* 10, 65

Myzus persicae 10  
Digitalis sp.  
   Aphis rumicis 35, 65  
Paulownia tomentosa "Kiri"  
   Aphis gossypii 57, 65, 127  
   Myzus persicae 34  
Paulownia sp.  
   Myzus persicae 35, 57, 65  
Veronica didyma var. lilacina "Inunofuguri"  
   Aphis craccivora 65, 135  
   Myzus persicae 206  
 BIGNONIACEAE  
Campis chinensis "Nôzen-kazura"  
   Aulacorthum magnoliae 80  
Catalpa ovata "Ki-sasage"  
   Aphis gossypii 57, 65  
Catalpa sp.  
   Aphis gossypii 35  
 PEDALIACEAE  
Sesamum indicum "Goma"  
   Myzus persicae 130, 133, 198, 206  
 GESNERIACEAE  
Conandron ramondioides "Iwa-tabako"  
   Xenosiphonaphis conandri 190  
Sinningia speciosa "Ô-iwagiri-sô"  
   Aulacorthum circumflexum 10, 65  
   Myzus persicae 10, 57, 65  
 ACANTHACEAE  
Justicia procumbens var. leucantha "Kitsune-no-mago"  
   Aphis justiciae 84  
   Carolinaia justiciae 86  
 PLANTAGINACEAE  
Plantago asiatica "Ôbako"  
   Myzus plantagifoliae 86, 119, 127  
   Pemphigus dorocola 127  
Plantago camtschatica "Ezo-ôbako"  
   Nectarosiphon obako 84  
Plantago sp.  
   Aphis gossypii 35, 57, 65  
   Macrosiphum avenae akebiae 197  
 RUBIACEAE  
Galium spurium var. echinospermon "Yae-mugura"  
   Myzus persicae 206  
Galium sp.  
   Aphis rumicis 35, 65  
Gardenia jasminoides "Korin-kuchinashi"  
   Sinomegoura citricola 58  
Lasianthus sp.  
   Sinomegoura citricola 58  
Paederia scandens "Hekuso-kazura"  
   Aulacorthum esakii 158, 199  
   Aulacorthum nipponicum 70, 72, 119, 127, 161, 199  
Rubia akane "Akane"  
   Macrosiphum rubifoliae 84, 119  
Rubia sp.  
   Aphis gossypii 65  
   Myzus persicae 57, 65  
Serissa japonica "Hakuchôge"  
   Aphis gossypii 57, 65, 84, 119  
   Aulacorthum magnoliae 65  
 CAPRIFOLIACEAE  
Lonicera caerulea var. emphylocalyx "Kuromi-no-uguisukagura"  
   Melanosiphum lonicericola 20  
Lonicera gracilipes var. glabra "Uguisu-kagura"  
   Aulacorthum magnoliae 80  
   Brachycolus loniceriae 118, 127  
   Prociphilus konoi 127  
   Prociphilus loniceriae 126  
Lonicera japonica "Sui-kazura"  
   Amphicercidus japonicus 119  
   Trichosiphonaphis loniceriae 200, 211  
Lonicera morrowii "Kinginboku"  
   Acanthulipes loniceriae 13, 200  
   Amphicercidus japonicus 9, 13  
   Neorhopalomyzus lonicericola 13, 200  
   Prociphilus konoi 13, 22  
   Prociphilus oriens 30  
Sambucus sieboldiana "Niwatoko"  
   Aphis sambuci horii 35, 119, 127, 169  
   Aphis sambucifoliae 70  
   Aulacorthum magnoliae 65, 74, 80, 119, 127, 147, 152, 169  
   Rhopalosiphoninus hydrangeae 84  
   Rhopalosiphum sambuci 37, 105  
Sambucus sp.  
   Aphis sambuci horii 201  
   Aulacorthum magnoliae 199  
Viburnum awabuki "Sangoju"  
   Toxoptera odinae 65  
Viburnum dilatatum "Gamazumi"  
   Shinjia pteridifoliae 137  
   Toxoptera odinae 37, 70  
Viburnum erosum "Kobano-gamazumi"  
   Shinjia pteridifoliae 43  
Viburnum japonicum "Hakusan-boku"  
   Shinjia pteridifoliae 55  
Viburnum opulus var. calvescens "Kan-boku"  
   Aulacorthum magnoliae 147  
Viburnum plicatum var. tomentosum "Yabu-demari"  
   Toxoptera odinae 2, 65, 119  
Viburnum sp.  
   Phorodon viburni 37  
   Rhopalosiphum smilacis 37  
Weigela hortensis "Tani-utsugi"  
   Micromyzus weigelae 200  
Weigela japonica "Tsukushi-yabu-utsugi"  
   Myzopsis diervillae 37

## VALERIANACEAE

Patrinia scabiosaefolia "Ominaeshi"

Aphis spiraeicola 65

Patrinia villosa "Otokoeshi"

Aphis patriniae 201

Valeriana fauriei "Kanakanos" s8"

Aphis spiraeicola 65

## CUCURBITACEAE

Benincasa hispida "Tō-guwa"

Aphis gossypii 10, 57, 65

Citrullus vulgaris "Suika"

Aphis gossypii 10, 49, 57, 65, 127

Cucumis melo var. makuwa "Makuwauri"

Aphis gossypii 10, 57, 65

Cucumis sativus "Ki-uri"

Aphis gossypii 2, 10, 48, 49, 57, 65, 66, 127

Myzus persicae 34, 130, 206

Cucumis sp.

Aphis gossypii 35

Myzus persicae 34, 35

Cucurbita moschata var. melonaeformis "Bōbura"

Aphis gossypii 65

Cucurbita moschata var. toonas "Kabocho"

Aphis gossypii 10, 57, 65

Aulacorthum magnoliae 65, 74

Aulacorthum solani 10, 57, 62, 65

Myzus persicae 10, 57, 65

Cucurbita pepo "Seiyō-kabocho"

Aphis gossypii 57

Aulacorthum solani 8

Cucurbita sp.

Aphis gossypii 35

Lagenaria leucantha var. clavata "Yūgao"

Aphis gossypii 10

Luffa cylindrica "Hechima"

Aphis gossypii 57, 65

## A plant of Cucurbitaceae

Aphis gossypii 80

## CAMPANULACEAE

Adenophora triphylla var. japonica "Tsurigane-ninjin"

Dactynotus triphyllae 40

Macrosiphum adenophorae 37

Adenophora sp.

Macrosiphum adenophorae 119

Campanula punctata "Hotaru-bukuro"

Dactynotus neocampanulae 192

Campanula sp.

Dactynotus kikioensis 192

Codonopsis lanceolata "Tsuru-ninjin"

Aulacorthum taiwanum 199

Platycodon grandiflorum "Kikyō"

Dactynotus kikioensis 65, 121

Dactynotus rudbeckiae 2

## COMPOSITAE

Achillea sibirica "Nokogiri-sō"

Anuraphis spiranthi 84, 119

Adenocaulon himalaicum "No-buki"

Aleurodaphis nobukii 85

Rhopalosiphum adenocauli 70, 84

Ambrosia artemisiifolia var. elatioides "Buta-kusa"

Aphis gossypii 57, 65

Ambrosia sp.

Aphis gossypii 35

Ammobium alatum "Kai-zaiku"

Anuraphis ammobii 10, 65, 119

Arctium lappa "Gobō"

Aulacorthum cirsicola 65

Aulacorthum solani 8, 10, 57, 62, 65

Capitophorus elaeagni 10, 65, 86, 98, 119

Dactynotus gobonis 10, 35, 65, 88, 119

Macrosiphoniella grandicauda 202

Myzus persicae 206

Schizaphis graminum (?) 65

Arctium sp.

Aphis gossypii 35

Dactynotus gobonis 192

Artemisia annua "Kuso-ninjin"

Macrosiphoniella pseudoartemisiae 60, 100, 119

Artemisia capillaris "Kawara-yomogi"

Macrosiphoniella formosartemisiae 202

Myzus cerasi umefoliae 198

Artemisia gilvescens "Wata-yomogi"

Macrosiphoniella chaetosiphon 202

Artemisia indica "Nishi-yomogi"

Cryptosiphum artemisiae 48, 49

Macrosiphum absinthii 2

Plectrochophorus glandulosus 65

Artemisia japonica "Otoko-yomogi"

Macrosiphoniella formosartemisiae 120, 202

Macrosiphoniella yomogicola 35

Artemisia montana "Ō-yomogi"

Sappaphis piri 10, 65

Artemisia princeps "Yomogi"

Anuraphis artemirhizus 86

Anuraphis farfarae 98, 119, 127

Aphis kurosawai 84

Aphis yomogi 84

Capitophorus formosartemisiae 119

Coloradoa artemisiae artemisicola 200

Coloradoa rufomaculata 65

Cryptosiphum artemisiae 119, 127

Lachnaphis yomogi 83

Macrosiphoniella grandicauda 202

Macrosiphoniella oblonga hidaensis 202

Macrosiphoniella yomogicola 65, 100, 119

Macrosiphoniella yomogifoliae 84, 100, 119, 127

Myzus sakurae 65

Myzus yomogi 84

Phorodon sakurae 98

*Pseudolachnus yomogi* 83  
*Sappaphis piri* 65, 98, 127  
*Shinjia pteridifoliae* 91  
*Trichosiphoniella momonis* 119  
*Trichosiphoniella sasakii* 48, 80, 90  
Artemisia sp.  
*Aphis kurosawai* 163  
*Cryptosiphum artemisiae* 70, 210  
*Dactynotus macrocaudus* 210  
*Macrosiphoniella artemisiae* 210  
*Macrosiphoniella hikosanensis* 60, 70  
*Macrosiphoniella kuwayamai* 60  
*Macrosiphoniella yomogicola* 60, 169  
*Macrosiphoniella yomogifoliae* 60, 70  
Aster ageratoides "Noyama-kongiku"  
*Dactynotus monticola* 192  
Aster scaber "Shira-yama-giku"  
*Dactynotus fuchuensis* 121  
Aster sp.  
*Macrosiphoniella yomenae* 202  
*Myzus asteriae* 198  
Atractylodes japonica "Okera"  
*Aphis gossypii* 57, 65  
Bidens tripartita "Ta-ukogi"  
*Aphis taukogi* 119, 127  
*Pemphigus niishimae* 127  
Blumea sp.  
*Aleurodaphis blumeae* 157  
Breca setosa "Ezo-no-kitsune-azami"  
*Dactynotus cephalonopli* 192  
*Dactynotus gobonis* 10, 65  
Cacalia hastata var. orientalis "Yobusumasō"  
*Rhopalosiphum cacaliae* 37  
Calendula arvensis "Kinsenkā"  
*Myzus persicae* 206  
Carduus sp.  
*Aphis cardui* 35  
*Aphis rumicis* 35, 65  
Carpesium abrotanoides "Yabu-tabako"  
*Aleurodaphis blumeae* 199, 127, 133, 204  
Carthamus tinctorius "Benibana"  
*Aulacorthum solani* 8, 11, 62, 65  
*Dactynotus gobonis* 10, 65  
*Myzus persicae* 10, 57, 65  
Chrysanthemum burbankii 'Shasta daisy'  
*Aulacorthum magnoliae* 80  
Chrysanthemum coronarium var. spatiosum "Shun-giku"  
*Aphis gossypii* 65  
*Myzus persicae* 206  
Chrysanthemum leucanthemum "Furansu-giku"  
*Aphis spiraeicola* 65  
*Aulacorthum solani* 65  
*Myzus persicae* 65  
Chrysanthemum morifolium "Kiku"  
*Aphis gossypii* 2, 57, 65, 119  
*Capitophorus formosartemisiae* 119  
*Coloradoa kiku* 119  
*Coloradoa rufomaculata* 65  
*Macrosiphoniella sanborni* 10, 65, 100, 119, 161, 164, 166  
*Macrosiphoniella yomogicola* 65, 100, 119  
*Myzus persicae* 57, 65  
*Pleotrichophorus glandulosus* 65, 119  
Chrysanthemum sp. "Jochū-giku"  
*Aphis gossypii* 65  
*Coloradoa rufomaculata* 65  
*Macrosiphoniella sanborni* 65  
Chrysanthemum sp.  
*Aphis cardui* 35  
*Aphis gossypii* 10, 66  
*Coloradoa kiku* 10  
*Macrosiphoniella sanborni* 2, 35, 60, 202  
*Macrosiphoniella yomogifoliae* 60  
*Myzus persicae* 10  
Cirsium dipsacolepis "Mori-azami"  
*Aphis sambuci horii* 119  
Cirsium japonicum "No-azami"  
*Aulacorthum cirsicola* 119  
*Dactynotus giganteus* 70  
*Dactynotus gobonis* 10, 65  
*Dactynotus rudbeckiae* 2  
Cirsium nipponicum "Nambu-azami"  
*Macrosiphum naazamii* 108, 119  
Cirsium spicatum "Yama-azami"  
*Aulacorthum cirsicola* 65, 109, 119  
Cirsium sp.  
*Aulacorthum cirsicola* 166, 199  
*Aulacorthum vandenboshi* 6  
*Capitophorus elaeagni* 61, 65, 98, 119, 166  
*Capitophorus montanus* 187  
*Dactynotus giganteus* 37, 119, 192  
*Dactynotus gobonis* 54, 161, 163, 166, 192  
*Myzus persicae* 57, 65  
Cosmos bipinnatus 'Cosmos'  
*Aphis cardui* 35  
*Aphis gossypii* 70  
*Aphis spiraeicola* 70  
*Longicaudus trirhodus* 65, 119, 127  
Crepidiastrum lanceolatum "Hosoba-wadan"  
*Myzus lactucicola* 164, 198  
Cynara scolymus "Chōsen-azami"  
*Capitophorus elaeagni* 10, 65, 119  
*Dactynotus gobonis* 10, 65  
*Myzus persicae* 206  
Dahlia pinnata 'Dahlia'  
*Aulacorthum magnoliae* 80  
*Myzus persicae* 206  
Erigeron annuus "Hime-joon"  
*Aphis craccivora* 135  
Erigeron canadensis "Hime-mukashi-yomogi"

Aphis meijigusae 84  
Longicaudus trirhodus 65, 119  
Eupatorium chinense var. simplicifolium "Hiyodori-bana"  
Aphis tsujii 201  
Eupatorium fortunei "Fujibakama"  
Brachycaudus helichrysi 65, 70  
Eupatorium sp.  
Aphis cardui 35  
Farfugium japonicum "Tsuwa-buki"  
Aphis fukii 65  
Gnaphalium affine "Hahako-gusa"  
Aphis gnaphalii 84  
Gnaphalium hypoleucum "Aki-no-hahako-gusa"  
Capitophorus gnathaliifoliae 86  
Gymnaster pygmaeus "Shinju-giku"  
Aleurodaphis asteris 204  
Gymnaster savatieri "Miyama-yomena"  
Aleurodaphis mikaniae 70  
Helianthus annuus "Himawari"  
Myzus persicae 206  
Rhopalosiphum padi 65  
Heliotrops laevis "Hime-kikuimo"  
Aulacorthum circumflexum 10, 65  
Heliotrops sp.  
Myzus persicae 10  
Ixeris dentata "Nigana"  
Amphorophora sonchicola 117, 119  
Dactynotus formosanus 119  
Dactynotus sonchi 119  
Hyperomyzus lactucae 2  
Macrosiphum sobae 119  
Macrosiphum sonchicola 119  
Ixeris japonica "Ô-jishibari"  
Hyperomyzus lactucae 65  
Kalimeris yomena "Yomena"  
Aleurodaphis asteris 133  
Aleurodaphis blumeae 127  
Aulacorthum asteris 199  
Dactynotus rudbeckiae 2  
Macrosiphoniella parva 60, 84, 119  
Macrosiphoniella yomenae 60, 70, 84, 86, 100, 119  
Macrosiphoniella yomenafoliae 84  
Myzus asteriae 119, 127  
Myzus persicae 57, 65, 119  
Lactuca indica "Aki-no-nogeshi"  
Amphorophora sonchicola 117, 119  
Aphis lactucae 84  
Dactynotus lactucicola 80  
Dactynotus sonchi 119  
Hyperomyzus lactucae 119  
Lactuca raddeana var. elata "Yama-nigana"  
Dactynotus fuchuensis 70  
Lactuca scariola var. sativa "Chisha"  
Myzus persicae 1, 10, 57, 65  
Lactuca sp.  
Aphis spiraeicola 65  
Dactynotus formosanus 161, 192  
Dactynotus fuchuensis 192  
Dactynotus picridis 192  
Ligularia fischeri "O-takarakô"  
Aleurodaphis mikaniae 70  
Petasites japonicus "Fuki"  
Aphis fukii 46, 48, 49, 65, 84, 119, 127, 201  
Aphis gossypii 2, 57, 65  
Macrosiphoniella grandicauda 202  
Macrosiphum petasitis 35  
Myzus persicae 57, 65, 206  
Petasites tricholobus "Taiwan-buki"  
Aulacorthum cirsicola 65  
Petasites sp.  
Aphis fukii 70, 201  
Aulacorthum kerriae 199  
Picris hieracioides var. glabrescens "Kôzorina"  
Dactynotus sonchi 40, 192  
Picris sp.  
Dactynotus picridis 192  
Saussurea sp.  
Dactynotus saussureae 192  
Senecio cannabifolius "Hangon-sô"  
Macrosiphum senecionis 35  
Senecio cruentus "Shineraria"  
Aulacorthum circumflexum 10, 65  
Myzus persicae 10, 57, 65  
Siegesbeckia glabrescens "Ko-menamomi"  
Myzus siegesbeckiae 198  
Siegesbeckia pubescens "Menamomi"  
Coloradoa rufomaculata 65  
Rhopalosiphoninus adenocauli 105, 119  
Solidago virga-aurea var. asiatica "Aki-no-kirin-sô"  
Aphis tsujii 84, 201  
Dactynotus gobonis 65  
Dactynotus solidaginis 169  
Macrosiphum nipponica 121  
Solidago sp.  
Aphis cardui 35  
Dactynotus amamianus 192  
Dactynotus lactucicola 192  
Sonchus brachyotis "Hachijôna"  
Anuraphis cardui 119  
Dactynotus sonchi 40, 119  
Hyperomyzus lactucae 65  
Macrosiphum sonchicola 35  
Sonchus oleraceus "No-geshi"  
Amphorophora sonchicola 117, 119  
Dactynotus sonchi 88, 119  
Hyperomyzus lactucae 2, 65, 119, 164, 168  
Myzus persicae 34

Sonchus sp.  
 Dactynotus formosanus 192  
 Hyperomyzus lactucae 65, 168

Synurus sp.  
 Dactynotus gobonis 192

Taraxacum officinale "Seiyō-tampopo"  
 Cavariella azami 96

Taraxacum platycarpum "Tampopo"  
 Aphis gossypii 57, 65, 119  
 Macrosiphum sobae 119  
 Myzus persicae 206  
 Trama taraxaci 91, 96, 111, 119

Taraxacum sp.  
 Aphis gossypii 35  
 Dactynotus taraxaci 40

Youngia japonica "Oni-tabirako"  
 Dactynotus gobonis 65

Zinnia elegans "Hyakunichi-sō"  
 Myzus persicae 206

A plant of Compositae  
 Aphis spiraeicola 65  
 Aphis sugadaiensis 201  
 Brachycaudus helichrysi 65, 210  
 Capitophorus gillettei 210  
 Dactynotus amamianus 119, 161  
 Dactynotus compositae 161  
 Dactynotus formosanus 70  
 Dactynotus gobonis 65, 161, 163, 166  
 Myzus malisuctus 65, 70  
 Ovatus compositae 200

INDEX TO PLANT FAMILIES

|                             |    |                            |    |                            |    |
|-----------------------------|----|----------------------------|----|----------------------------|----|
| Acanthaceae . . . . .       | 26 | Cyperaceae . . . . .       | 6  | Papaveraceae . . . . .     | 14 |
| Aceraceae . . . . .         | 21 | Dioscoreaceae . . . . .    | 7  | Pedaliaceae . . . . .      | 26 |
| Aizoaceae . . . . .         | 12 | Ebenaceae . . . . .        | 24 | Phytolaccaceae . . . . .   | 12 |
| Alismataceae . . . . .      | 3  | Elaeagnaceae . . . . .     | 22 | Pinaceae . . . . .         | 2  |
| Amaranthaceae . . . . .     | 12 | Ericaceae . . . . .        | 23 | Pittosporaceae . . . . .   | 15 |
| Amaryllidaceae . . . . .    | 7  | Euphorbiaceae . . . . .    | 20 | Plantaginaceae . . . . .   | 26 |
| Anacardiaceae . . . . .     | 20 | Fagaceae . . . . .         | 9  | Podocarpaceae . . . . .    | 2  |
| Apocynaceae . . . . .       | 24 | Ferns . . . . .            | 1  | Polygonaceae . . . . .     | 12 |
| Aquifoliaceae . . . . .     | 20 | Geraniaceae . . . . .      | 19 | Portulacaceae . . . . .    | 12 |
| Araceae . . . . .           | 6  | Gesneriaceae . . . . .     | 26 | Primulaceae . . . . .      | 23 |
| Araliaceae . . . . .        | 22 | Gramineae . . . . .        | 3  | Pteridaceae . . . . .      | 1  |
| Aristolochiaceae . . . . .  | 11 | Hamamelidaceae . . . . .   | 15 | Punicaceae . . . . .       | 22 |
| Asclepiadaceae . . . . .    | 24 | Hippocastanaceae . . . . . | 21 | Ranunculaceae . . . . .    | 13 |
| Aspidiaceae . . . . .       | 1  | Iridaceae . . . . .        | 7  | Rhamnaceae . . . . .       | 21 |
| Balsaminaceae . . . . .     | 21 | Juglandaceae . . . . .     | 8  | Rosaceae . . . . .         | 15 |
| Berberidaceae . . . . .     | 13 | Juncaceae . . . . .        | 6  | Rubiaceae . . . . .        | 26 |
| Betulaceae . . . . .        | 8  | Labiatae . . . . .         | 25 | Rutaceae . . . . .         | 19 |
| Bignoniaceae . . . . .      | 26 | Lardizabalaceae . . . . .  | 13 | Sabiaceae . . . . .        | 21 |
| Bixaceae . . . . .          | 22 | Lauraceae . . . . .        | 13 | Salicaceae . . . . .       | 7  |
| Boraginaceae . . . . .      | 24 | Leguminosae . . . . .      | 18 | Sapindaceae . . . . .      | 21 |
| Cactaceae . . . . .         | 22 | Liliaceae . . . . .        | 6  | Saxifragaceae . . . . .    | 15 |
| Campanulaceae . . . . .     | 27 | Loganiaceae . . . . .      | 24 | Scrophulariaceae . . . . . | 25 |
| Caprifoliaceae . . . . .    | 26 | Lyrhraceae . . . . .       | 22 | Simaroubaceae . . . . .    | 20 |
| Caryophyllaceae . . . . .   | 12 | Magnoliaceae . . . . .     | 13 | Solanaceae . . . . .       | 25 |
| Celastraceae . . . . .      | 20 | Malvaceae . . . . .        | 22 | Stachyuraceae . . . . .    | 22 |
| Cercidiphyllaceae . . . . . | 13 | Melastomataceae . . . . .  | 22 | Staphyleaceae . . . . .    | 21 |
| Chenopodiaceae . . . . .    | 12 | Moraceae . . . . .         | 11 | Stemonaceae . . . . .      | 6  |
| Clethraceae . . . . .       | 23 | Mosses . . . . .           | 1  | Sterculiaceae . . . . .    | 22 |
| Commelinaceae . . . . .     | 6  | Musaceae . . . . .         | 7  | Styracaceae . . . . .      | 24 |
| Compositae . . . . .        | 27 | Myrtaceae . . . . .        | 22 | Taxaceae . . . . .         | 2  |
| Convolvulaceae . . . . .    | 24 | Nymphaeaceae . . . . .     | 13 | Theaceae . . . . .         | 22 |
| Coriariaceae . . . . .      | 20 | Oleaceae . . . . .         | 24 | Tiliaceae . . . . .        | 21 |
| Cornaceae . . . . .         | 23 | Onagraceae . . . . .       | 22 | Trochodendraceae . . . . . | 13 |
| Crasulaceae . . . . .       | 15 | Orchidaceae . . . . .      | 7  | Ulmaceae . . . . .         | 10 |
| Cruciferae . . . . .        | 14 | Osmundaceae . . . . .      | 1  | Umbelliferae . . . . .     | 23 |
| Cucurbitaceae . . . . .     | 27 | Oxalidaceae . . . . .      | 19 | Urticaceae . . . . .       | 11 |
| Cupressaceae . . . . .      | 3  | Palmae . . . . .           | 6  | Valerianaceae . . . . .    | 27 |

## PART II APHID - HOST PLANT CATALOGUE

The names of aphids are listed alphabetically within a genus and the generic names within a subfamily. Doubtful host plants are indicated by an asterisk (\*) in front of the names.

## LACHNIDAE

- Cinara cembrae (Cholodkovsky, 1892)  
= Lachnus cembrae Seitner, 1936  
Pinus pumila
- Cinara chibi Inouye, 1962  
Larix leptolepis
- Cinara exoana Inouye, 1936  
Picea excelsa  
Picea glehnii  
Picea jezoensis
- Cinara formosana (Takahashi, 1924)  
Pinus densiflora  
Pinus luchuensis
- Cinara hattorii Kôno & Inouye, 1938  
Abies sachalinensis
- Cinara horii Inouye, 1938  
= Cinara piceicola: Inouye, 1938  
Picea jezoensis
- Cinara kochiana kochi Inouye, 1939  
Larix leptolepis  
Larix olgensis var. koreana
- Cinara konoi Inouye, 1941  
Abies sachalinensis  
Abies sachalinensis var. mayriana
- Cinara laricicola (Matsumura, 1917)  
Larix europaea  
Larix gmelini  
Larix leptolepis  
Larix olgensis var. koreana
- Cinara larcis (Hartig, 1839)  
Larix leptolepis  
Larix sp.
- Cinara longipennis (Matsumura, 1917)  
= Dilachnus momii Shinji, 1924  
Abies firma  
Abies sachalinensis  
Abies sachalinensis var. mayriana  
Abies sp.
- Cinara pini (L., 1758)  
= Lachnus pinea Mordvilko, 1895  
= Dilachnus piniiformosanus Takahashi, 1923  
= Cinara pineti: Inouye, 1938, Shinji, 1935, 1941  
Pinus densiflora  
Pinus luchuensis  
Pinus thunbergii
- Cinara pinicola (Kaltenbach, 1843)  
= Cinara nopporoensis Inouye, 1937  
Picea glehni
- Cinara shinjii Inouye, 1938  
= Lachnus fasciatus Shinji, 1922  
Pinus parviflora
- Cinara taeniata (Koch, 1857)  
Larix gmelini  
Larix leptolepis
- Cinara todocola (Inouye, 1936)  
Abies firma  
Abies sachalinensis  
Abies sachalinensis var. mayriana  
Abies sp.
- Cinara todoe Shinji, 1935  
Abies sp.
- Cinara tujafilina (del Guercio, 1909)  
= Cinara thujafolia Theobald, 1914  
Thuja orientalis  
Thuja standishii
- Cinara vanduzei (Swain, 1929)  
Picea canadensis  
Picea excelsa  
Picea jezoensis
- Eulachnus betulae (Shinji, 1924)  
Betula sp.
- Eulachnus pumilae Inouye, 1939  
Pinus pumila
- Eulachnus thunbergii Wilson, 1919  
= Eulachnus piniiformosanus Takahashi, 1921  
Pinus densiflora  
Pinus luchuensis  
Pinus montana  
Pinus thunbergii  
Pinus sp.
- Lachniella costata (Zetterstedt, 1828)  
Picea canadensis  
Picea excelsa  
Picea glehnii  
Picea jezoensis
- Lachnus inflatus Shinji, 1922  
Pinus thunbergii
- Lachnus longicorpi Shinji, 1922  
Pinus densiflora  
Pinus thunbergii
- Lachnus ogasawarae (Matsumura, 1917)  
Quercus sp.
- Lachnus quercihabitans (Takahashi, 1924)  
Quercus sp.
- Lachnus roboris (L., 1758)



- Pasania edulis*  
*Quercus dentata*  
*Quercus gilva*  
*Quercus glauca*  
Lachnus toropicalis (van der Goot, 1916)  
 = *Pterochlorus japonicus* Matsumura, 1917  
*Castanea crenata*  
*Castanopsis cuspidata*  
*Castanopsis* sp.  
*Quercus acuta*  
*Quercus acutissima*  
*Quercus dentata*  
*Quercus mongolica* var. *grosseserrata*  
*Quercus myrsinaefolia*  
*Quercus phillyraeoides*  
*Quercus serrata*  
*Quercus* sp.  
Nippolachnus abietinus Matsumura, 1917  
*Abies sachalinensis*  
*Abies* sp.  
Nippolachnus micromeli Shinji, 1924  
*Sorbus alnifolia*  
Nippolachnus piri Matsumura, 1917  
*Betula platyphylla* var. *japonica*  
*Betula* sp.  
*Castanea crenata*  
*Eriobotrya japonica*  
*Pyrus communis*  
*Pyrus serotina* var. *culta*  
*Rhaphiolepis umbellata*  
*Sorbus alnifolia*  
Schizolachnus orientalis (Takahashi, 1924)  
*Pinus densiflora*  
*Pinus luchuensis*  
*Pinus* sp.  
Stomaphis aceris Takahashi, 1960  
*Acer* sp.  
Stomaphis alni Sorin, 1965  
*Alnus hirsuta*  
Stomaphis carpini Sorin, 1965  
*Carpinus tschonoskii*  
Stomaphis fagi Takahashi, 1960  
*Fagus* sp.  
Stomaphis quercus (L., 1758)  
*Quercus serrata*  
Stomaphis quercus japonica Takahashi, 1960  
 = *Stomaphis quercus*: Shinji, 1941  
*Quercus acutissima*  
*Quercus mongolica* var. *grosseserrata*  
*Quercus serrata*  
*Quercus* sp.  
Stomaphis quercus pini Takahashi, 1960  
 = *Stomaphis pini* Takahashi, 1920  
*Pinus densiflora*  
Stomaphis takahashii Sorin, 1965  
*Acer pictum* var. *typicum*  
*Betula platyphylla* var. *japonica*  
Stomaphis yanonis Takahashi, 1918  
*Celtis sinensis* var. *japonica*  
*Zelkova* sp.  
Stomaphis yanonis aesculi Takahashi, 1960  
*Aesculus turbinata*  
Stomaphis ulmicola Inouye, 1938  
*Ulmus davidiana* var. *japonica*  
Todolachnus abietis Matsumura, 1917  
*Abies firma*  
*Abies sachalinensis*  
*Abies sachalinensis* var. *mayriana*  
*Abies* sp.  
Trama taraxaci (Shinji, 1929)  
 = *Trama taraxaci* Shinji, 1930  
*Taraxacum platycarpum*  
Tuberolachnus salignus (Gmelin, 1788)  
 = *Aphis viminalis* Fonscolombe, 1841  
*Salix babylonica*  
*Salix gracilistyla*  
*Salix koriyanagi*  
*Salix yezoalpina*  
*Salix* sp.  
 CHAITOPHORIDAE  
Chaitophorus coreanus Takahashi & Okamoto, 1926  
*Populus sieboldii*  
Chaitophorus chinensis Takahashi, 1930  
*Salix* sp.  
Chaitophorus dorocolus Matsumura, 1919  
*Populus maximowiczii*  
*Populus sieboldii*  
Chaitophorus fraxinicolus Matsumura, 1919  
*Fraxinus longicuspis*  
Chaitophorus horii Takahashi, 1939  
*Salix sachalinensis*  
Chaitophorus matsumurai Hille Ris Lambers, 1960  
 = *Chaitophorus salicicolus* Matsumura, 1917  
 = *Chaitophorus sali-niger* Shinji, 1924  
*Populus balsamifera*  
*Salix bakko*  
*Salix integra*  
*Salix sieboldiana*  
*Salix* sp.  
Chaitophorus narae Shinji, 1941  
*Quercus serrata*  
Chaitophorus populeti (Panzer, 1805)  
 = *Chaitophorus abdominalis* Shinji, 1924  
 = *Chaitophorus populi*: Matsumura, 1917, Shinji, 1935, 1941  
 = *Chaitophorus populisieboidii* Matsumura, 1919  
*Populus maximowiczii*  
*Populus sieboldii*  
Chaitophorus saliapteris Shinji, 1924  
*Salix babylonica*

Salix kinuyanagi  
Salix koriyanagi  
Chaitophorus salijaponica Essig & Kuwana, 1918  
Salix integra  
Salix koriyanagi  
Chaitophorus shidae (Shinji, 1922)  
Dryopteris crassirhizoma  
Ferns  
Chaitophorus yamanarashi Shinji, 1941  
Populus sieboldii  
Chaitophorus yomefuri Shinji, 1922  
Populus sieboldii  
Nippochaitophorus moriokaensis Takahashi, 1961  
Acer sp.  
Parachaitophorus spiraeae (Takahashi, 1924)  
Spiraea cantoniensis  
Spiraea japonica  
Periphyllus californiensis (Shinji, 1917)  
 = Chaitophorinella acerifoliae Takahashi, 1919  
 = Chaitophorus aceris: Matsumura, 1917  
Acer carpiniifolium  
Acer japonicum  
Acer miyabei  
Acer mono  
Acer palmatum  
Acer sp.  
Aesculus turbinata  
Aesculus sp.  
Periphyllus koelreuteriae (Takahashi, 1919)  
Koelreuteria paniculata  
Periphyllus kuwanai (Takahashi, 1919)  
 = Chaitophorus japonica Essig & Kuwana, 1918  
Acer mono  
Acer pictum var. dissectum  
Periphyllus testudinacea (Ferne, 1852)  
 = Phillophorus testudinatus Thornton, 1852  
Acer sp.  
Periphyllus viridis (Matsumura, 1919)  
Acer mono  
Acer pictum var. dissectum  
Thomasiniellula tomitae (Shinji, 1922)  
Evodia rutaecarpa  
Trichaitophorus albus Takahashi, 1961  
Acer sp.  
Trichaitophorus koyaensis Takahashi, 1961  
Acer rufinerve  
 CALLAPHIDIDAE  
Betacallis alnicolens Matsumura, 1919  
Alnus japonica  
Betacallis odaiensis Takahashi, 1961  
Betula sp.  
Betulaphis japonica Takahashi, 1961  
Betula sp.  
Boerneria alni Takahashi, 1961  
Alnus matsumurae  
Calaphis alnicola (Matsumura, 1917)  
Alnus hirsuta var. sibirica  
Alnus japonica  
Alnus matsumurae  
Calaphis annulata (Koch, 1854)  
Betula sp.  
Callaphis quercicola (Matsumura, 1919)  
Quercus dentata  
Chromocallis nirecola (Shinji, 1933)  
Ulmus davidiana var. japonica  
Dasyaphis onigurumi (Shinji, 1932)  
Juglans ailanthifolia  
Juglans sp.  
Drepanaphis acerifoliae (Thomas, 1877)  
Acer sp.  
Diphyllaphis alba Takahashi, 1960  
Quercus phillyraeoides  
Diphyllaphis konarae (Shinji, 1924)  
Quercus acutissima  
Quercus dentata  
Quercus mongolica var. grosseserrata  
Quercus serrata  
Euceraphis betulifoliae Shinji, 1922  
Betula sp.  
Euceraphis japonica Essig & Kuwana, 1918  
Alnus hirsuta var. sibirica  
Euceraphis magnoliifoliae Shinji, 1923  
Magnolia liliiflora  
Euceraphis punctipennis (Zetterstedt, 1828)  
 = Euceraphis betulae: Shinji, 1927, 1935, 1941,  
 Takahashi, 1939  
Betula platyphylla var. japonica  
Betula sp.  
Machilaphis machili (Takahashi, 1928)  
Machilus thunbergii  
Machilus sp.  
Neolitsea sericea  
Megalocallis takagi Takahashi, 1963  
Acer sp.  
Mesocallis fagicola Matsumura, 1919  
Fagus crenata  
Mesocallis pteleae Matsumura, 1919  
Ptelea trifoliata  
Mimocallis betulijaponicae Matsumura, 1919  
Betula platyphylla var. japonica  
Myzocallis alnicola Shinji, 1924  
Alnus hirsuta var. sibirica  
Myzocallis alnifoliae (Shinji, 1924)  
Alnus firma  
Alnus hirsuta var. sibirica  
Myzocallis corylii (Goetze, 1778)  
Carpinus cordata  
Corylus sieboldiana  
Myzocallis corylicola Shinji, 1941  
 = Agrioaphis colyli: Shinji, 1935

- Carpinus cordata*  
*Corylus heterophylla* var. *thunbergii*  
*Corylus sieboldiana*  
Myzocallis nirecola (Shinji, 1924)  
*Ulmus davidiana* var. *japonica*  
*Zelkova serrata*  
Myzocallis sawashibae Matsumura, 1917  
*Carpinus cordata*  
Neocalaphis magnolicolens (Takahashi, 1921)  
*Magnolia obovata*  
Neocalaphis magnoliae (Essig & Kuwana, 1918)  
*Magnolia kobus*  
Neocalaphis carpinicola Matsumura, 1919  
*Carpinus cordata*  
Neochromaphis carpinicola (Takahashi, 1921)  
 = *Neochromaphis carpini* Takahashi, 1921  
*Carpinus japonica*  
*Carpinus laxiflora*  
*Carpinus tschonoskii*  
*Carpinus* sp.  
Neochromaphis coryli Takahashi, 1961  
*Carpinus* sp.  
*Corylus sieboldiana*  
Neophyllaphis podocarpi Takahashi, 1921  
 = *Mindarus podocarpi* Shinji, 1922  
*Podocarpus macrophyllus*  
*Podocarpus macrophyllus* var. *maki*  
*Podocarpus* sp.  
Nippocallis kuricola Matsumura, 1917  
*Castanea crenata*  
*Quercus acutissima*  
Nymphaphis quercus Takahashi, 1960  
*Quercus acutissima*  
*Quercus* sp.  
Phyllaphis fagi (L., 1767)  
*Fagus crenata*  
*Fagus japonica*  
*Fagus silvestri*  
*Fagus* sp.  
Phyllaphis fagifoliae Takahashi, 1919  
*Fagus* sp.  
Platyaphis fagi Takahashi, 1957  
*Fagus crenata*  
Recticallis alnijaponica Matsumura, 1919  
 = *Tuberculoides alnifoliae* Shinji, 1941  
 = *Agrioaphis moriokae* Shinji, 1935  
*Alnus firma*  
*Alnus hirsuta* var. *sibirica*  
*Alnus japonica*  
Recticallis nigrostriata (Shinji, 1941)  
*Alnus firma*  
*Alnus japonica*  
Sappocallis alnifoliae (Shinji, 1922)  
*Alnus serrulatoidea*  
Sappocallis ulmicola Matsumura, 1919  
*Ulmus davidiana* var. *japonica*  
Shivaphis celti Das, 1918  
 = *Chromaphis celticolens* Essig & Kuwana, 1918  
*Celtis sinensis* var. *japonica*  
*Celtis* sp.  
Symydobius alniaria (Matsumura, 1917)  
*Alnus japonica*  
Symydobius kabae (Matsumura, 1917)  
*Alnus firma*  
*Alnus hirsuta* var. *sibirica*  
*Betula platyphylla* var. *japonica*  
*Betula* sp.  
Takecallis arundicolens (Clarke, 1903)  
 = *Takecallis bambusae* Matsumura, 1917  
*Arundinaria* sp.  
 Bamboos  
*Bambusa* sp.  
*Phyllostachys* sp.  
*Sasa nipponica*  
*Sasa palmata*  
*Sasa ramosa*  
*Sasa senanensis*  
*Sasa* sp.  
Takecallis arundinariae (Essig, 1917)  
 = *Myzocallis bambusifoliae* Takahashi, 1921  
*Arundinaria* sp.  
 Bamboos  
*Bambusa* sp.  
Takecallis sasae (Matsumura, 1917)  
 = *Agrioaphis sasacola* Shinji, 1935  
 Bamboos  
*Bambusa* sp.  
*Phyllostachys* sp.  
*Sasa senanensis*  
*Sasa* sp.  
Takecallis taiwanus (Takahashi, 1926)  
*Bambusa* sp.  
*Sasa* sp.  
Therioaphis japonica Shinji, 1933  
*Tilia miqueliana*  
Therioaphis tilicola Shinji, 1933  
*Tilia japonica*  
*Tilia miqueliana*  
Therioaphis ononidis (Kaltenbach, 1843)  
*Trifolium* sp.  
Tiliaphis shinae (Shinji, 1924)  
*Tilia japonica*  
Tinocallis hashibamii (Shinji, 1935)  
*Corylus heterophylla* var. *thunbergii*  
*Corylus sieboldiana*  
Tinocallis kahawaluokalani (Kirkaldy, 1907)  
 = *Sarucallis lythrae* Shinji, 1922  
*Lagerstroemia indica*  
Tinocallis ulmiparvifoliae Matsumura, 1919  
*Ulmus parvifolia*

- Tinocallis zelkowae (Takahashi, 1919)  
 Glycine max  
 Zelkova serrata  
 Zelkova sp.
- Tuberculatus capitatus (Essig & Kuwana, 1918)  
 Quercus acutissima  
 Quercus dentata  
 Quercus mongolica var. grosseserrata  
 Quercus serrata  
 Quercus variabilis  
 Quercus sp.
- Tuberculatus kashiwae (Matsumura, 1917)  
 Quercus dentata  
 Quercus mongolica  
 Quercus mongolica var. grosseserrata  
 Quercus serrata  
 Quercus sp.
- Tuberculatus querciculus (Matsumura, 1917)  
 = Myzocallis macrotuberculata Essig & Kuwana, 1918  
 Quercus acutissima  
 Quercus dentata  
 Quercus mongolica var. grosseserrata  
 Quercus serrata  
 Quercus sp.
- Tuberculatus querciformosanus (Takahashi, 1921)  
 Quercus dentata  
 Quercus sp.
- Tuberculatus stigmatus (Matsumura, 1917)  
 = Myzocallis nigra Takahashi & Okamoto, 1926  
 Quercus acutissima  
 Quercus dentata  
 Quercus dentata var. grandifolia  
 Quercus mongolica var. grosseserrata  
 Quercus serrata
- Tuberculoides fulviabdominalis Shinji, 1941  
 Quercus dentata  
 Quercus serrata
- Tuberculoides konaracola Shinji, 1941  
 Quercus serrata
- Tuberculoides kunugi (Shinji, 1924)  
 Quercus acutissima  
 Quercus serrata
- Tuberculoides naganoae Shinji, 1941  
 Quercus dentata  
 Quercus mongolica var. grosseserrata  
 Quercus serrata
- Tuberculoides naracola (Matsumura, 1919)  
 Quercus dentata  
 Quercus mongolica var. grosseserrata  
 Quercus serrata
- Yamatocallis hirayamae Matsumura, 1917  
 \*Abies sachalinensis  
 Acer mono  
 Acer sp.
- Yamatocallis moriokae Shinji, 1933  
 Acer sp.
- Yamatocallis tokyoensis (Takahashi, 1923)  
 = Chaitophoraphis acerifloris Shinji, 1923  
 Acer diabolicum  
 Acer japonicum
- APHIDIDAE
- Abura momocola Matsumura, 1917  
 Prunus persica
- Acanthulipes lonicerae (Hori, 1938)  
 Lonicera morrowii
- Acyrthosiphon berkemiae Shinji, 1941  
 Berchemia racemosa
- Acyrthosiphon kondoi Shinji, 1938  
 Medicago sativa
- Acyrthosiphon pisum (Harris, 1776)  
 = Aphis pisi Kaltenbach, 1843  
 Capsella sp.  
 Chaerophyllum sp.  
 Colutea sp.  
 Epilobium sp.  
 Geum sp.  
 Glycine max  
 Lathyrus japonicus  
 Lathyrus odoratus  
 Lathyrus sp.  
 Lotus sp.  
 Ononis sp.  
 Pisum sativum  
 Pisum sp.  
 Spartium sp.  
 Spiraea sp.  
 Trifolium repens  
 Trifolium sp.
- Acyrthosiphon pisum brevicaudatus Takahashi, 1965  
 Pisum sp.  
 Trifolium repens
- Acyrthosiphon rubiformosanus (Takahashi, 1923)  
 Rubus sp.
- Akkaia odaiensis Takahashi, 1961  
 Polygonum sp.
- Akkaia polygoni Takahashi, 1919  
 = Phorodon enkianthae Shinji, 1923  
 = Cavariella enkianthae Shinji, 1924  
 Enkianthus perulatus  
 Enkianthus sp.  
 Polygonum nepalense  
 Polygonum thunbergii  
 Polygonum sp.
- Akkaia taiwana Takahashi, 1933  
 = Akkaia kagoshimana Suenaga, 1934  
 Polygonum thunbergii
- Amphicercidus japonicus (Hori, 1927)  
 Lonicera japonica  
 Lonicera morrowii

- Amphorophora ampullata Buckton, 1876  
= Megoura dryopteridis Matsumura, 1918  
= Amphorophora shidiae Shinji, 1933  
Athyrum pycnosorum  
Athyrum yokoscense  
Dryopteris austriaca  
Ferns  
Lastrea quelpaertensis
- Amphorophora ichigo Shinji, 1922  
Rubus illecebrosus  
Rubus sp.
- Amphorophora lilicola Shinji, 1933  
Lilium auratum  
Lilium lancifolium
- Amphorophora malvicola Shinji, 1933  
Malva sylvestris var. mauritiana
- Amphorophora rubiphaga Takahashi, 1961  
Rubus sp.
- Amphorophora scabripes Miyazaki, 1968  
Lastrea quelpaertensis
- Amphorophora sonchicola Shinji, 1939  
Ixeris dentata  
Lactuca indica  
Sonchus oleraceus
- Amphorophora vicicola Shinji, 1939  
Vicia fava
- Anuraphis ammobii Hori, 1929  
Ammobium alatum
- Anuraphis artemirhizus Shinji, 1924  
Artemisia princeps
- Anuraphis cardui Shinji, 1941  
Sonchus brachyotus
- Anuraphis farfarae (Koch, 1854)  
Artemisia princeps  
Pyrus serotina var. culta
- Anuraphis floris Monzen, 1934  
Plectranthus longitubus
- Anuraphis ilexis Moritsu, 1958  
Ilex serrata
- Anuraphis ligustri (Shinji, 1923)  
Ligustrum obtusifolium
- Anuraphis mume Hori, 1927  
Prunus mume  
Prunus persica
- Anuraphis nashi Shinji, 1944  
Pyrus serotina var. culta
- Anuraphis prunus (Shinji, 1922)  
Prunus armeniaca var. ansu  
Prunus mume  
Prunus persica
- Anuraphis spiranthi (Shinji, 1922)  
Achillea sibirica
- Aphis acanthopanaci Matsumura, 1917  
Aralia cordata  
Kalopanax pictus
- Aphis agrimoniae (Shinji, 1941)  
Agrimonia pilosa
- Aphis cardaminae Shinji, 1922  
Cardamine impatiens
- Aphis cardui L., 1758  
Carduus sp.  
Chrysanthemum sp.  
Cosmos bipinnatus  
Eupatorium sp.  
Solidago sp.
- Aphis celastrii Matsumura, 1917  
= Aphis deutziae Shinji, 1922  
Celastrus orbiculatus  
Deutzia sp.  
Ilex serrata  
Polygonum cuspidatum
- Aphis clerodendri Matsumura, 1917  
Clerodendron trichotomum
- Aphis commelinae Shinji, 1922  
Commelina communis
- Aphis craccivora Koch, 1854  
= Aphis laburni: Hori, 1929, Moritsu, 1958, Shinji, 1941  
= Aphis medicaginis: Essig & Kuwana, 1918, Moritsu, 1954  
Aeschynomene indica  
Astragalus sinicus  
Alopecurus sp.  
Azukia angularis  
Azukia radiata  
Capsella bursa-pastoris  
Cassia nomame  
Cassia tora  
Deutzia crenata  
Dolichos lablab  
Erigeron annuus  
Euphorbia supina  
Gleditsia japonica  
Glycine max  
Hibiscus syriacus  
Indigofera pseudo-tinctoria  
Lotus corniculatus var. japonicus  
Pisum sativum  
Poa sp.  
Portulaca oleracea  
Pueraria lobata  
Robinia pseudoacacia  
Rumex japonicus  
Sanguisorba officinalis  
Stellaria media  
Trifolium repens  
Veronica didyma var. lilacina  
Vicia angustifolia var. segetalis  
Vicia fava  
Vicia hirsuta

*Vicia sepium*  
*Vigna catiung var. sinensis*  
Aphis craccivora pseudoacaciae Takahashi, 1965  
*Robinia pseudoacacia*  
Aphis egomae Shinji, 1922  
*Perilla frutescens var. japonica*  
Aphis fabae Scopoli, 1763  
 = *Aphis atripricis* Fabricius, 1775  
*Chenopodium album var. centrorubrum*  
Aphis farinosa yanagicola Matsumura, 1917  
 = *Aphis yanagicola* Matsumura, 1917  
 = *Aphis saliceti*: Shinji, 1941  
*Salix rorida*  
*Salix sp.*  
Aphis filipendulae Matsumura, 1917  
*Filipendula kamschatica*  
*Filipendula multijuga*  
*Filipendula purpurea var. albiflora*  
*Filipendula sp.*  
Aphis forbesi Weed, 1889  
*Fragaria ananassa*  
Aphis fukii Shinji, 1922  
 = *Myzus fukis* Monzen, 1927  
*Farfugium japonicum*  
*Petasites japonicus*  
*Petasites sp.*  
Aphis glycines Matsumura, 1917  
*Achyranthes japonica*  
*Glycine max*  
*Glycine soja*  
Aphis gnaphalii Shinji, 1922  
*Gnaphalium affine*  
Aphis gossypii Glover, 1877  
 = *Aphis bryophyllae* Shinji, 1922  
 = *Aphis colocasiae* Matsumura, 1917  
 = *Aphis hibiscifoliae* Shinji, 1922  
 = *Aphis inugomae* Shinji, 1922  
 = *Aphis perillae* Shinji, 1922  
 = *Aphis serissae* Shinji, 1922  
 = *Cerosipha serissae* Shinji, 1941  
 = *Aphis vitifoliae* Shinji, 1922  
*Acalypha australis*  
*Acalypha sp.*  
*Albizia julibrissin*  
*Althaea rosea*  
*Ambrosia artemisiifolia var. elatior*  
*Ambrosia sp.*  
*Arctium sp.*  
*Asclepias curassavica*  
*Asclepias sp.*  
*Atractylodes japonica*  
*Azukia angularis*  
*Benincasa hispida*  
*Beta vulgaris var. rapa*  
*Bryophyllum calycinum*  
*Bursa sp.*  
*Cactus sp.*  
*Capsella sp.*  
*Catalpa ovata*  
*Catalpa sp.*  
*Cayratia japonica*  
*Callicarpa japonica*  
*Cayratia japonica*  
*Cedanum japonicum*  
*Celastrus orbiculatus*  
*Chenopodium sp.*  
*Chrysanthemum coronarium var. spatiosum*  
*Chrysanthemum morifolium*  
*Chrysanthemum sp.*  
*Citrullus vulgaris*  
*Citrus sinensis var. brasiliensis*  
*Citrus sp.*  
*Clerodendron japonicum*  
*Clerodendron trichotomum*  
*Colocasia antiquorum var. esculenta*  
*Colocasia sp.*  
*Commelina communis*  
*Convolvulus sp.*  
*Cosmos bipinnatus*  
*Cryptotaenia japonica*  
*Cucumis melo var. makuwa*  
*Cucumis sativus*  
*Cucurbita moschata var. melonaeformis*  
*Cucurbita moschata var. toonas*  
*Cucurbita pepo*  
*Cucurbita sp.*  
*Datura alba*  
*Deutzia crenata*  
*Eriobotrya japonica*  
*Ficus carica*  
*Firmiana simplex*  
*Fragaria ananassa*  
*Fragaria sp.*  
*Glycine max*  
*Gossypium indicum*  
*Gossypium sp.*  
*Hibiscus mutabilis*  
*Hibiscus rosa-sinensis*  
*Hibiscus syriacus*  
*Humulus sp.*  
*Hydrangea sp.*  
*Ilex sp.*  
*Lagenaria leucantha var. clavata*  
*Leonurus sibiricus*  
*Lepidium sp.*  
*Lilium lancifolium*  
*Lilium sp.*  
*Liquidambar formosana*  
*Luffa cylindrica*  
*Lysimachia mauritiana*

Malva verticillata  
 Malva sp.  
 Melastoma candidum  
 Mentha arvensis var. piperascens  
 Mosla japonica  
 Nepeta sp.  
 Nicotiana tabacum  
 Oenante javanica  
 Paulownia tomentosa  
 Perilla frutescens var. crispa  
 Perilla frutescens var. japonica  
 Persicaria sp.  
 Petasites japonicus  
 Peucedanum japonicum  
 Phaseolus sp.  
 Plantago sp.  
 Polygonum cuspidatum  
 Portulaca oleracea  
 Portulaca sp.  
 Prunus armeniaca var. ansu  
 Prunus mume  
 Prunus persica  
 Prunus yedoensis  
 Psidium guyava  
 Punica sp.  
 Pyrus communis  
 Pyrus serotina var. culta  
 Rhamnus sp.  
 Rosa rugosa  
 Rubia sp.  
 Rumex sp.  
 Salix sp.  
 Serissa japonica  
 Smilax china  
 Solanum melongena var. esculentum  
 Solanum tuberosum  
 Spinacia oleracea  
 Spinacia sp.  
 Stachys japonica var. intermedia  
 Stellaria sp.  
 Taraxacum platycarpum  
 Taraxacum sp.  
 Trifolium sp.  
 Tulipa gesneriana  
 A plant of Compositae  
 A plant of Cucurbitaceae  
 A plant of Solanaceae  
Aphis hederiphaga Takahashi, 1966  
     Hedera rhombea  
Aphis heraclicola Shinji, 1941  
     Angelica polymorpha  
Aphis ichigo Shinji, 1922  
     Polygonum cuspidatum  
     Rubus crataegifolius  
     Rubus trifidus  
     Rubus sp.  
Aphis ichigocola Shinji, 1924  
     Rubus sp.  
Aphis indigoferae Shinji, 1922  
     Indigofera pseudo-tinctoria  
Aphis justiciae Shinji, 1922  
     Achyranthes japonica  
     Justicia procumbens var. leucantha  
Aphis kogomecola Matsumura, 1917  
     Spiraea thunbergii  
Aphis kurosawai Takahashi, 1921  
     = Aphis artemifoliae Shinji, 1922  
         Artemisia princeps  
         Artemisia sp.  
Aphis lactucae Shinji, 1922  
     Lactuca indica  
Aphis meijigusae Shinji, 1922  
     Erigeron canadensis  
Aphis mitsubae Shinji, 1922  
     Cryptotaenia japonica  
Aphis mizutakarashi Shinji, 1941  
     Cardamine lyrata  
Aphis neopolygonii Shinji, 1941  
     Barbarea orthoceras  
     Fagopyrum esculentum  
Aphis neospiraeae Takahashi, 1966  
     Spiraea salicifolia  
Aphis nerii Boyer, 1841  
     Metaplexis japonica  
     Nerium indicum  
     Nerium sp.  
Aphis odorikonis Matsumura, 1917  
     Lamium album var. barbatum  
Aphis patriniae Takahashi, 1966  
     = Aphis valerianae Takahashi, 1933, nec Cowen, 1895  
         Patrinia villosa  
Aphis polygonacea Matsumura, 1917  
     Polygonum thunbergii  
     Polygonum sp.  
Aphis pomonella Theobald, 1916  
     Malus pumila  
Aphis punicae Shinji, 1922  
     Punica granatum  
Aphis rhamnellae Shinji, 1922  
     Rhamnella franguloides  
Aphis rumicis L., 1758  
     Borago sp.  
     Capsella bursa-pastoris  
     Carduus sp.  
     Chenopodium sp.  
     Digitalis sp.  
     Euonymus japonicus  
     Galium sp.  
     Lilium sp.  
     Papaver sp.

- Persicaria sp.  
 Peucedanum sp.  
 Phaseolus sp.  
 Polygonum sp.  
 Rumex japonicus  
 Rumex sp.  
 Vicia sp.  
 Vigna sp.
- Aphis sambucifoliae Fitch, 1851  
 Sambucus sieboldiana
- Aphis sambuci horii Takahashi, 1966  
 = Aphis horii Takahashi, 1923  
 = Aphis sambuci: Matsumura, 1917, Shinji, 1941, 1944  
 = Aphis sambucifoliae: Takahashi, 1939  
 \*Cirsium dipsacolepis  
 Sambucus sieboldiana  
 Sambucus sp.
- Aphis sanguisorbicola Takahashi, 1966  
 = Aphis sanguisorbae Shinji, 1935, nec Schrank, 1801  
 Sanguisorba officinalis
- Aphis smilacifoliae Takahashi, 1921  
 Smilax china
- Aphis spiraeicola Patch, 1914  
 = Aphis croomiae Shinji, 1922  
 = Aphis pirifoliae Shinji, 1922  
 = Aphis pomi: Essig & Kuwana, 1918, Hori, 1929, Matsumura, 1917, Moritsu, 1954, Shinji, 1941, 1944  
 Buddleja venenifera  
 Celastrus orbiculatus  
 Chaenomeles speciosa  
 Chaenomeles sp.  
 Chrysanthemum leucanthemum  
 Citrus unshiu  
 Cosmos bipinnatus  
 Crataegus oxyacantha  
 Croomia heterosepala  
 Cryptotaenia japonica  
 Cydonia oblonga  
 Deutzia crenata  
 Glochidion sp.  
 Hydrangea sp.  
 Lactuca sp.  
 Malus halliana  
 Malus pumila  
 Oenanthe javanica  
 Paeonia suffruticosa  
 Patrinia scabiosaefolia  
 Pourthiaea villosa var. laevis  
 Prunus mume  
 Prunus persica  
 Prunus salicina  
 Prunus yedoensis  
 Prunus sp.
- Pyrus communis  
 Pyrus serotina var. culta  
 Saxifraga stolonifera  
 Spiraea cantoniensis  
 Spiraea thunbergii  
 Spiraea sp.  
 Stephanandra incisa  
 Valeriana fauriei  
 A plant of Compositae
- Aphis sugadaiensis Takahashi, 1966  
 A plant of Compositae
- Aphis sumire Moritsu, 1949  
 Viola mandshurica  
 Viola sp.
- Aphis taukogi Shinji, 1941  
 Bidens tripartita
- Aphis tsujii Shinji, 1922  
 Eupatorium chinense var. simplicifolium  
 Solidago virga-aurea var. asiatica
- Aphis urticata Fabricius, 1781  
 = Aphis urticaria Kaltentbach, 1843  
 Urtica thunbergiana
- Aphis utsugicola Monzen, 1929  
 Deutzia crenata  
 Deutzia scabra var. sieboldiana
- Aphis uwamizusakurae Monzen, 1929  
 Prunus grayana
- Aphis veratri takagii Takahashi, 1966  
 Veratrum sp.
- Aphis yomogii Shinji, 1922  
 Artemisia princeps
- Aphorodon polygonifoliae (Shinji, 1944)  
 Polygonum scabrum
- Aphorodon polygoniphaga Takahashi, 1961  
 Polygonum thunbergii
- Aulacorthum asteris Takahashi, 1965  
 Kalimeris yomena
- Aulacorthum cercidiphylli (Matsumura, 1918)  
 = Amphorophora katsuriae Shinji, 1930  
 Cercidiphyllum japonicum  
 Cercidiphyllum magnificum  
 Cercidiphyllum sp.
- Aulacorthum circumflexum (Buckton, 1876)  
 Calceolaria corymbosa  
 Corydalis sp.  
 Cyclopediaeum europeum  
 Heliotrops laevis  
 Senecio cruentus  
 Sinningia speciosa
- Aulacorthum cirsicola (Takahashi, 1923)  
 = Acyrthosiphum cirsicifoliae Shinji, 1935  
 Arctium lappa  
 Cirsium japonicum  
 Cirsium spicatum  
 Cirsium sp.



Petasites tricholobus  
Aulacorthum esakii (Takahashi, 1924)  
 Paederia scandens var. mairei  
Aulacorthum glechomae Takahashi, 1965  
 Glechoma hederacea var. grandis  
Aulacorthum ibotum Essig & Kuwana, 1918  
 Ligustrum obtusifolium  
 Ligustrum sp.  
Aulacorthum kerriae (Shinji, 1930)  
 Kerria japonica  
 Kerria sp.  
 Petasites sp.  
Aulacorthum linderiae (Shinji, 1922)  
 Aucuba japonica  
Aulacorthum magnoliae (Essig & Kuwana, 1918)  
 = Myzus magnoliifoliae Shinji, 1941  
 = Rhopalosiphum sambucicola Takahashi, 1918  
 Acer sp.  
 Aucuba japonica  
 Bletilla striata  
 Calystegia japonica  
 Campsis chinensis  
 Castanea crenata  
 Celastrus orbiculatus  
 Celtis sinensis var. japonica  
 Chrysanthemum burbankii  
 Citrus unshiu  
 Citrus sp.  
 Clerodendron trichotomum  
 Cucurbita moschata var. toonas  
 Dahlia pinnata  
 Dioscorea japonica  
 Dioscorea sp.  
 Enkianthus pevulatus  
 Euonymus alatus  
 Euonymus japonicus  
 Euscaphis japonica  
 Evodia rutaecarpa  
 Fatsia japonica  
 Forsythia suspensa  
 Gleditsia japonica  
 Hibiscus syriacus  
 Hydrangea macrophylla  
 Ilex macropoda  
 Ilex serrata  
 Ipomoea batatas var. edulis  
 Ipomoea nil  
 Lagerstroemia indica  
 Lagerstroemia sp.  
 Liliium speciosum  
 Lonicera gracilipes var. glabra  
 Lycium chinense  
 Magnolia denudata  
 Magnolia kobus  
 Magnolia sp.  
 Orixia japonica  
 Pieris sp.  
 Polygonum cuspidatum  
 Poncirus trifoliata  
 Prunus sp.  
 Pyrus serotina var. culta  
 Rhus succedanea  
 Rhus sp.  
 Sambucus sieboldiana  
 Sambucus sp.  
 Serissa japonica  
 Ternstroemia gymnanthera  
 Viburnum opulus var. calvescens  
 Vicia fava  
 Zanthoxylum piperitum  
Aulacoathum muradachi (Shinji, 1928)  
 Lindera umbellata  
 Parabenzoin praecox  
 Parabenzoin trilobum  
 A plant of Lauraceae  
Aulacorthum nepetifolii Miyazaki, 1968  
 Nepeta subsessilis var. yesoensis  
Aulacorthum nipponicum (Essig & Kuwana, 1918)  
 = Macrosiphum paederiae Takahashi, 1921  
 Paederia scandens var. mairei  
Aulacorthum perillae (Shinji, 1924)  
 Perilla frutescens var. crispa  
 Perilla sp.  
Aulacorthum phytolaccae Miyazaki, 1968  
 Phytolacca esculenta  
Aulacorthum smilacis Takahashi, 1965  
 Smilax nipponica  
Aulacorthum solani (Kaltenbach, 1843)  
 = Macrosiphum hagi Essig & Kuwana, 1918  
 = Macrosiphum matsumuraeanum Hori, 1926  
 = Myzus chelidonii: Shinji, 1941, 1944  
 = Aulacorthum pelargonii: Moritsu, 1950, Suenaga, 1953  
 Althaea rosea  
 Arctium lappa  
 Aquilegia flabellata  
 Azukia angularis  
 Capsella sp.  
 Carthamus tinctorius  
 Chelidonium majus var. asiaticum  
 Chrysanthemum leucanthemum  
 Cucurbita moschata var. toonas  
 Cucurbita pepo  
 Dolichos lablab  
 Glycine max  
 Glycine sp.  
 Lespedeza bicolor  
 Lespedeza bicolor var. japonica  
 Lespedeza sp.  
 Liliium leichtlinii var. tigrinum  
 Lycopersicon esculentum

Lycopersicon sp.  
 Macleaya cordata  
 Mentha arvensis var. piperascens  
 Oxalis corniculata  
 Phaseolus vulgaris  
 Physalis sp.  
 Pisum sativum  
 Pisum sp.  
 Polygonum cuspidatum  
 Rumex japonicus  
 Solanum melongena var. esculentum  
 Solanum tuberosum  
 Solanum sp.  
 Trifolium incarnatum  
 Trifolium pratense  
 Trifolium repens  
Aulacorthum syringae Takahashi, 1965  
     Syringa reticulata  
Aulacorthum taiwanum (Takahashi, 1923)  
     Codonopsis lanceolata  
Aulacorthum vandenboshi Hille Ris Lambers, 1967  
     Cirsium sp.  
Brachycaudus helichrysi (Kaltenbach, 1843)  
     = Anuraphis mumecola Shinji, 1930  
         Eupatorium fortunei  
         Prunus mume  
         Prunus salicina  
         Pyrus communis  
         Pyrus serotina var. culta  
         Rosa multiflora  
         Rosa rugosa  
         A plant of Compositae  
Brachycaudus rhamnii (Hori, 1927)  
     Rhamnus japonica  
Brachycaudus sanguisorbae (Shinji, 1924)  
     Rhamnella franguloides  
     Rhamnus japonica  
     Sanguisorba officinalis  
Brachycolus loniceriae Shinji, 1939  
     Lonicera gracilipes var. glabra  
Brevicoryne brassicae (L., 1758)  
     Brassica campestris  
     Brassica campestris var. napus  
     Brassica campestris var. pekinensis  
     Brassica campestris var. rapa  
     Brassica napobrassica  
     Brassica oleracea var. capitata  
     Brassica sp.  
     Capsella sp.  
     Raphanus sativus var. acanthiformis  
     Raphanus sp.  
     Sinapis sp.  
Capitophorus elaeagni (del Guercio, 1894)  
     = Capitophorus arctifoliae Shinji, 1924  
         Arctium lappa  
         Cirsium sp.  
         Cynara scolymus  
         Elaeagnus glabra  
         Elaeagnus multiflora  
         Elaeagnus sp.  
Capitophorus formosartemisiae (Takahashi, 1921)  
     Artemisia princeps  
     Chrysanthemum morifolium  
Capitophorus gillettei Theobald, 1926  
     Polygonum sp.  
     A plant of Compositae  
Capitophorus gnathalifoliae Shinji, 1924  
     Gnaphalium hypoleucum  
Capitophorus hippophaes javanicus Hille Ris Lambers, 1953  
     = Capitophorus hippophaes: Matsumura, 1918, Moritsu, 1950, 1954, Shibata, 1955, Shinji, 1941, 1944  
         Elaeagnus multiflora  
         Elaeagnus sp.  
         Persicaria sp.  
         Polygonum conspicuum  
         Polygonum tinctorium  
         Polygonum sp.  
         A plant of Polygonaceae  
Capitophorus montanus Takahashi, 1924  
     Cirsium sp.  
Capitophorus prunifoliae Shinji, 1924  
     Prunus salicina  
Carolinaia justiciae Shinji, 1924  
     Justicia procumbens var. leucantha  
Carolinaia tade Shinji, 1927  
     Polygonum thunbergii  
     Polygonum sp.  
Cavariella aegopodii (Scopoli, 1763)  
     Salix sp.  
Cavariella angelicae Matsumura, 1918, nec del Guercio, 1911  
     Angelica ursina  
Cavariella araliae Takahashi, 1921  
     Aralia cordata  
     Aralia elata  
     Aralia sp.  
     Salix sp.  
Cavariella azamii Shinji, 1930  
     Taraxacum officinale  
Cavariella gilbertiae Takahashi, 1961  
     Dendropanax trifidus  
Cavariella heraclei Takahashi, 1961  
     Heracleum moellendorffii  
Cavariella hidaensis Takahashi, 1961  
     Salix sp.  
Cavariella japonica (Essig & Kuwana, 1918)  
     Angelica polymorpha  
     Cryptotaenia japonica  
     Dystaenia ibukiensis

- Salix sp.
- Cavariella konoi Takahashi, 1939
- Salix sp.
- Cavariella nigrocaudata Takahashi, 1965  
Tetrapanax papyrifera
- Cavariella oenanthi (Shinji, 1922)  
Cryptotaenia japonica  
Oenanthe javanica
- Cavariella nipponica Takahashi, 1961  
Heracleum moellendorffii  
Salix sp.
- Cavariella salicicola (Matsumura, 1917)  
= Siphocoryne bicaudata Essig & Kuwana, 1918  
= Cavariella mitsubae Shinji, 1924  
Cardamine lyrata  
Cryptotaenia japonica  
Oenanthe javanica  
Salix babylonica  
Salix sp.
- Cavariella sapporoensis Takahashi, 1961  
Heracleum moellendorffii  
Heracleum sp.
- Cavariella takahashii Hille Ris Lambers, 1965  
Salix sp.
- Cerosipha commelinae Shinji, 1924  
Commelina communis
- Cerosipha lycopicola Shinji, 1941  
Lycopus lucidus
- Chaetosiphon coreanus (Paik, 1965)  
Rosa rugosa
- Chaetosiphon minor (Forbes, 1884)  
= Capitophorus fragariae Shinji, 1924  
Fragaria ananassa
- Chaitomyzus hirticornis Takahashi, 1960  
Clinopodium gracile  
Clinopodium sp.
- Coloradoa artemisiae artemisicola Takahashi, 1965  
Artemisia princeps
- Coloradoa kiku (Hori, 1929)  
Chrysanthemum morifolium  
Chrysanthemum sp.
- Coloradoa rufomaculata (Wilson, 1908)  
= Stephensonia lahorensis Das, 1918  
Artemisia princeps  
Chrysanthemum morifolium  
Chrysanthemum sp.  
Siegesbeckia pubescens
- Cryptaphis gerani Takahashi, 1961  
Geranium sp.
- Cryptaphis menthae Takahashi, 1961  
Mentha sp.
- Cryptomyzus ribis (L., 1758)  
Ribes grossularia  
Ribes sativum
- Cryptosiphum artemisiae Buckton, 1879
- = Aphis gallarum Kaltenbach, 1856, nec Gmelin, 1788
- = Cryptosiphum pseudogallarum Shinji, 1941  
Artemisia indica  
Artemisia princeps  
Artemisia sp.
- Dactynotus amamianus (Takahashi, 1930)  
Solidago sp.  
A plant of Compositae
- Dactynotus cephalonopli Takahashi, 1962  
Breea setosa
- Dactynotus compositae (Theobald, 1915)  
A plant of Compositae
- Dactynotus formosanus (Takahashi, 1921)  
Ixeris dentata  
Lactuca sp.  
Sonchus sp.  
A plant of Compositae
- Dactynotus fuchuensis (Shinji, 1942)  
Aster scaber  
Lactuca raddeana var. elata  
Lactuca sp.
- Dactynotus giganteus (Matsumura, 1918)  
Cirsium japonicum  
Cirsium sp.
- Dactynotus gobonis (Matsumura, 1917)  
Arctium lappa  
Arctium sp.  
Breea setosa  
Carthamus tinctorius  
Cirsium japonicum  
Cirsium sp.  
Cynara scolymus  
Solidago virga-aurea var. asiatica  
Synurus pungens  
Synurus sp.  
Youngia japonica  
A plant of Compositae
- Dactynotus kikioensis (Shinji, 1942)  
Campanula sp.  
Platycodon grandiflorum
- Dactynotus lactucicola (Strand, 1929)  
Lactuca indica  
Solidago sp.
- Dactynotus macrocaudus Tao, 1964  
Artemisia sp.
- Dactynotus monticola (Takahashi, 1935)  
Aster ageratoides
- Dactynotus neocampanulae Takahashi, 1962  
Campanula punctata
- Dactynotus picridis (Fabricius, 1775)  
Lactuca sp.  
Picris sp.
- Dactynotus rudbeckiae (Fitch, 1851)  
Cirsium japonicum

Kalimeris yomena  
 Platycodon grandiflorum  
Dactynotus saussureae Takahashi, 1962  
   Saussurea sp.  
Dactynotus solidaginis (Fabricius, 1781)  
   Solidago virga-aurea var. asiatica  
Dactynotus sonchi (L., 1767)  
   = Dactynotus picridiphaga Takahashi, 1962  
   = Macrosiphum lactucicola: Shinji, 1941  
   Ixeris dentata  
   Lactuca indica  
   Picris hieracioides var. glabrescens  
   Sonchus brachyotis  
   Sonchus oleraceus  
Dactynotus taraxaci (Kaltenbach, 1843)  
   Taraxacum sp.  
Dactynotus triphyllae Miyazaki, 1966  
   Adenophora triphylla var. japonica  
Dysaphis plantagifoliae (Shinji, 1924)  
   Plantago asiatica  
Dysaphis rumecicola (Hori, 1927)  
   Rumex crispus  
   Rumex japonicus  
Dysaphis tulipae (Boyer, 1841)  
   Belamcanda chinensis  
   Belamcanda sp.  
   Iris sp.  
Elatobium momii (Shinji, 1922)  
   = Aphis momifoliae Shinji, 1924  
   = Phorodon abietifoliae Shinji, 1924  
   = Neomyzaphis piceana Inouye, 1939  
   Abies firma  
   Picea jezoensis  
   Picea jezoensis var. hondoensis  
   Taxus cuspidata  
   Taxus cuspidata var. nana  
Elatobium trochodendri Takahashi, 1960  
   Trochodendron aralioides  
Eomyzus nipponicus (Moritsu, 1949)  
   Perilla frutescens var. crispa  
   Perilla sp.  
Eomyzus clinopodii Takahashi, 1965  
   Clinopodium gracile  
Eomyzus gallicola Takahashi, 1963  
   Impatiens noli-tangere  
Eomyzus impatiensae (Shinji, 1924)  
   Impatiens balsamina  
   Impatiens noli-tangere  
   Impatiens textori  
Galiaphis cryptotaeniae Takahashi, 1965  
   Cryptotaenia japonica  
Galiaphis japonica Takahashi, 1965  
   \*Anemone sp.  
Hayhurstia atriplicis (L., 1761)  
   Chenopodium album var. centrorubrum  
Hayhurstia corydalisicola (Tao, 1962)  
   Corydalis heterocarpa var. japonica  
Hyadaphis veratri Shinji, 1942  
   Veratrum sp.  
Hyalopterus abietinus Matsumura, 1917  
   Abies sachalinensis  
   Abies sp.  
Hyalopterus albus Monzen, 1929  
   Angelica acutiloba  
Hyalopterus pruni (Geoffroy, 1762)  
   = Aphis arundinis Fabricius, 1775  
   = Aphis pruni Fabricius, 1775, nec Geoffroy, 1762  
   Arundinaria sp.  
   Phragmites communis  
   Prunus armeniaca var. ansu  
   Prunus communis  
   Prunus mume  
   Prunus persica  
   Prunus salicina  
   Prunus sp.  
Hydronephthys impatiens Shinji, 1922  
   Impatiens noli-tangere  
Hyperomyzus lactucae (L., 1758)  
   = Rhopalosiphum oleraceae van der Goot, 1917  
   = Rhopalosiphum ribijaponica Shinji, 1924  
   = Amphorophora cosmopolitana Mason, 1925  
   Ixeris dentata  
   Ixeris japonica  
   Lactuca indica  
   Ribes fasciculatum  
   Ribes sinanense  
   Sonchus brachyotis  
   Sonchus oleraceus  
   Sonchus sp.  
Impatientinum balsamines (Kaltenbach, 1862)  
   Impatiens noli-tangere  
Impatientinum impatiens (Shinji, 1922)  
   = Macrosiphum smilaceti Takahashi, 1924  
   Impatiens balsamina  
   Impatiens noli-tangere  
   Impatiens textori  
   Smilax china  
Indomegoura indica (van der Goot, 1916)  
   = Rhopalosiphum hemerocallidis Matsumura, 1918  
   = Nectarosiphum mitsubautsugli Shinji, 1923  
   Euscaphis japonica  
   Hemerocallis aurantiaca  
   Hemerocallis middendorffii  
   Hemerocallis sp.  
   Staphylea bumalda  
Indomegoura miniatum (Matsumura, 1918)  
   Staphylea bumalda  
Juncomyzus obscurus Hille Ris Lambers, 1965  
   Juncus sp.  
Lachnaphis yomogi Shinji, 1922

- Artemisia princeps  
Liosomaphis berberdis (Kaltenbach, 1843)  
 Berberis sieboldii  
 Berberis thunbergii  
Lipaphis erysimi (Kaltenbach, 1843)  
 = Aphis pseudobrassicae Davis, 1914  
 Arbidopsis thaliana  
 Brassica campestris var. napus  
 Brassica campestris var. pekinensis  
 Brassica campestris var. rapa  
 Brassica cernua  
 Brassica napobrassica  
 Brassica oleracea var. capitata  
 Brassica sp.  
 Capsella bursa-pastoris  
 Raphanus sativus var. acanthiformis  
Longicaudus trirhodus (Walker, 1849)  
 = Aphis thalictrii Essig & Kuwana, 1918  
 = Yezosiphum thalictri Matsumura, 1918  
 Anemone hupehensis var. japonica  
 Cosmos bipinnatus  
 Erigeron canadensis  
 Pyrus serotina var. culta  
 Rosa multiflora  
 Rosa rugosa  
 Rosa sp.  
 Thalictrum aquilegifolium  
 Thalictrum minus var. hypoleucum  
Longiunguis japonicus (Takahashi, 1919)  
 Miscanthus sinensis  
Longiunguis sacchari (Zehntner, 1897)  
 Miscanthus sinensis  
 Miscanthus sp.  
Longiunguis siphonella (Essig & Kuwana, 1918)  
 Pyrus communis  
 Pyrus serotina var. culta  
Macchiatiella itadori (Shinji, 1927)  
 = Acaudus jozankeanus Matsumura & Hori, 1927  
 Polygonum cuspidatum  
 Polygonum sachalinense  
Macrocaudus phaseoli Shinji, 1930  
 Azukia angularis  
 Phaseolus mungo var. subtilobata  
Macromyzus polypodicola (Takahashi, 1921)  
 Ferns  
Macromyzus woodwardiae (Takahashi, 1921)  
 = Myzus woodwardiae hinoi Moritsu, 1952  
 Dryopteris monticola  
 Dryopteris varia  
 Ferns  
 Rumohra mutica  
Macrosiphoniella artemisiae (Boyer, 1841)  
 Artemisia sp.  
Macrosiphoniella chaetosiphon Takahashi & Moritsu, 1963
- Artemisia gilvescens  
Macrosiphoniella formosartemisiae Takahashi, 1921  
 = Macrosiphoniella japonica Shinji, 1942  
 Artemisia capillaris  
 Artemisia japonica  
Macrosiphoniella grandicauda Takahashi & Moritsu, 1963  
 Arctium lappa  
 Artemisia princeps  
 Petasites japonicus  
Macrosiphoniella hikosanensis Moritsu, 1949  
 Artemisia sp.  
Macrosiphoniella kuwakusae Uye, 1924  
 Fatoua villosa  
Macrosiphoniella kuwayamai Takahashi, 1941  
 Artemisia sp.  
Macrosiphoniella oblonga hidaensis Takahashi & Moritsu, 1963  
 Artemisia princeps  
Macrosiphoniella parva (Shinji, 1922)  
 Kalimeris yomena  
Macrosiphoniella prunifoliae Shinji, 1924  
 Ilex serrata  
Macrosiphoniella pseudoartemisiae Shinji, 1933  
 Artemisia annua  
Macrosiphoniella sanborni (Gillette, 1908)  
 = Macrosiphoniella chrysanthemi del Guercio, 1911  
 = Macrosiphum nishigaharae Essig & Kuwana, 1918  
 Chrysanthemum morifolium  
 Chrysanthemum sp.  
Macrosiphoniella yomenae (Shinji, 1922)  
 = Macrosiphum yomenafoliae Shinji, 1922  
 = Macrosiphum moriokae Shinji, 1924  
 Aster sp.  
 Kalimeris yomena  
Macrosiphoniella yomogicola (Matsumura, 1917)  
 = Macrosiphoniella fulvicola Shinji, 1933  
 = Macrosiphoniella absinthii: Essig & Kuwana, 1918  
 = Macrosiphoniella flubicola (sic): Moritsu, 1954  
 = Macrosiphum yomogi (sic): Shinji, 1933  
 Artemisia indica  
 Artemisia japonica  
 Artemisia princeps  
 Artemisia sp.  
 Chrysanthemum morifolium  
Macrosiphoniella yomogifoliae (Shinji, 1922)  
 Artemisia princeps  
 Artemisia sp.  
 Chrysanthemum sp.  
Macrosiphum adenophorae Matsumura, 1918  
 Adenophora triphylla var. japonica  
 Adenophora sp.  
Macrosiphum avenae akebiae Shinji, 1935  
 = Macrosiphum akebiae Shinji, 1935  
 = Macrosiphum granarium: Essig & Kuwana, 1918,

Hori, 1929, Itô, 1955, Matsumura, 1917, Moritsu, Macrosiphum hagicola Matsumura, 1917  
1954, Shinji, 1941  
Agrostis alba  
Akebia quinata  
Akebia trifoliata  
Akebia sp.  
Alopecurus aequalis  
Avena sativa  
Avena sp.  
Bromus sp.  
Carex sp.  
Dactylis glomerata  
Digitaria adscendens  
Digitaria violascens  
Dioscorea japonica  
Eleusina indica  
Eragrostis multicaulis  
Gladiolus gandavensis  
Hordeum vulgare  
Hordeum vulgare var. nudum  
Microstegium vimineum var. polystachyum  
Miscanthus sinensis  
Oplismenus undulatifolius  
Oryza sativa  
Oryza sp.  
Parthenocissus tricuspidata  
Paspalum thunbergii  
Phleum pratense  
Plantago sp.  
Poa annua  
Secale cereale  
Secale sp.  
Stellaria sp.  
Triticum aestivum  
Triticum sp.  
Tulipa gesneriana  
Zea mays  
A plant of Gramineae  
Macrosiphum clematidis Takahashi, 1927  
= Macrocaudus clematii Shinji, 1941  
Clematis apiifolia  
Clematis sp.  
Macrosiphum clematifoliae Shinji, 1924  
Clematis japonica  
Macrosiphum cornifoliae Shinji, 1923  
Cornus brachypoda  
Cornus kousa  
Macrosiphum coriariae Shinji, 1922  
Coriaria japonica  
Macrosiphum corylicola Shinji, 1930  
Corylus heterophylla var. thunbergii  
Corylus sieboldiana  
Macrosiphum euphorbiae (Thomas, 1877)  
Solanum tuberosum  
Tulipa gesneriana  
Lespedeza bicolor  
Lespedeza sp.  
Macrosiphum ibarae Matsumura, 1917  
= Macrosiphum rosae: Essig & Kuwana, 1918, Hori, 1929, Matsumura, 1917, Shinji, 1941, Takahashi, 1924  
= Macrosiphum rosae ibarae: Moritsu, 1954, 1958  
Rosa chinensis  
Rosa multiflora  
Rosa sp.  
Macrosiphum kuricola Matsumura, 1917  
Castanea crenata  
Macrosiphum lili (Monell, 1879)  
Lilium sp.  
Macrosiphum malvicola Matsumura, 1917  
Malva sp.  
Syringa sp.  
Macrosiphum mordvilkoi Miyazaki, 1968  
= Macrosiphum rosae orientale Mordvilko, 1919,  
nec Macrosiphum orientale van der Goot, 1912  
Rosa rugosa  
Macrosiphum naazamii Shinji, 1935  
Cirsium nipponicum  
Macrosiphum nipponica Shinji, 1942  
Solidago virga-aurea var. asiatica  
Macrosiphum nishikigi Shinji, 1928  
Euonymus alatus  
Macrosiphum petasitis Matsumura, 1917  
Petasites japonica  
Macrosiphum pollinae Shinji, 1924  
Microstegium vimineum var. polystachyum  
Macrosiphum polygonijaponica Shinji, 1941  
Polygonum thunbergii  
Polygonum sp.  
Macrosiphum rubifoliae Shinji, 1922  
Rubia akane  
Macrosiphum rubiphila Takahashi, 1964  
Rubus sp.  
Macrosiphum senecionis Matsumura, 1917  
Senecio cannabifolius  
Macrosiphum smilacifoliae Takahashi, 1921  
Smilax china  
Macrosiphum sobae Shinji, 1922  
Fagopyrum esculentum  
Glycine max  
Ixeris dentata  
Nicotiana glauca  
Solanum tuberosum  
Taraxacum platycarpum  
Macrosiphum sonchicola Matsumura, 1917  
Ixeris dentata  
Sonchus brachyotus  
Macrosiphum sorbi Matsumura, 1918  
Sorbaria sorbifolia  
Sorbus commixta

- Macrosiphum suguri Shinji, 1924  
Ribes fasciculatum  
Ribes sinanense
- Macrosiphum sumocola Monzen, 1929  
Prunus salicina
- Macrosiphum syringae Matsumura, 1918  
Syringa reticulata
- Macrosiphum yasumatsui Moritsu, 1958  
Eccoilopus cotulifera
- Matsumuraja nuditerga Hille Ris Lambers, 1965  
= Matsumuraja rubifoliae: Takahashi & Sorin, 1965  
Rubus microphyllus  
Rubus sp.
- Matsumuraja rubea Sorin, 1965  
Rubus sp.
- Matsumuraja rubi (Matsumura, 1918)  
= Matsumuraja ribi (sic): Shinji, 1941  
Rubus crataegifolius  
Rubus microphyllus  
Rubus sp.
- Matsumuraja rubifoliae Takahashi, 1931  
= Neophorodon rubi Takahashi, 1922, nec rubi  
Matsumura, 1918  
Clethra barbinervis  
Clethra sp.  
Rubus hirsutus  
Rubus microphyllus  
Rubus palmatus  
Rubus sp.
- Matsumuraja rubiphila Takahashi, 1965  
Rubus palmatus
- Matsumuraja sorini Takahashi, 1965  
Rubus peltatus
- Megoura crassicauda Mordvilko, 1919  
= Rhopalosiphum viciae var. japonica Matsumura, 1918  
= Nectarosiphum moriokae Shinji, 1923  
= Amphorophora lathyri Shinji, 1924  
Lathyrus davidii  
Lathyrus japonicus  
Vicia cracca  
Vicia fava  
Vicia unijuga  
Vicia sp.
- Megoura lespedezae (Essig & Kuwana, 1918)  
Lespedeza bicolor var. japonica
- Melanaphis bambusae (Fullaway, 1910)  
Arundinaria pygmaea var. glabra  
Arundinaria sp.  
Bamboos  
Bambusa sp.  
Pourthiaea villosa var. laevis  
Sasa sp.
- Melanosiphum lonicericola Shinji, 1942  
Lonicera caerulea var. emphyllocalyx
- Metaphorodon ishimikawae (Shinji, 1941)  
= Myzus polygoni: Takahashi, 1924  
Polygonum perfoliatum  
Polygonum sieboldii  
Polygonum sp.
- Metaphorodon isodonis Takahashi, 1965  
Plectranthus sp.
- Micromyzodium polypodii Takahashi, 1963  
Ferns
- Micromyzus montanus (Takahashi, 1925)  
Astilbe sp.
- Micromyzus nikkoensis Miyazaki, 1968  
Athyrium pycnosorum
- Micromyzus osmundae Takahashi, 1963  
Osmunda claytoniana
- Micromyzus weigelae Takahashi, 1965  
Weigela hortensis
- Myzaphis komatsubarae Shinji, 1922  
Sorbus commixta
- Myzopsis diervillae Matsumura, 1918  
Weigela japonica
- Myzosiphum ryukyuensis Tao, 1964  
Polygonum sp.
- Myzus asamensis Takahashi, 1965  
\*Saxifraga sp.
- Myzus ascalonicus Doncaster, 1946  
Rorippa indica  
Stellaria sp.  
Viola sp.
- Myzus asteriae Shinji, 1941  
Aster sp.  
Kalimeris yomena
- Myzus boehmeriae Takahashi, 1923  
Boehmeria nipononivea  
Boehmeria platanifolia  
Boehmeria spicata
- Myzus cerasi umefoliae Shinji, 1924  
= Akkala umefoliae Shinji, 1924  
Artemisia capillaris  
Prunus japonica  
Prunus mume
- Myzus clematophilus Takahashi, 1965  
Clematis sp.
- Myzus dycei Carver, 1961  
Urtica platyphylla
- Myzus fataunae Shinji, 1924  
Boehmeria sp.  
Fatoua villosa  
Pilea hamaoi
- Myzus geranicola Shinji, 1935  
Geranium thunbergii
- Myzus gumi Shinji, 1922  
Elaeagnus multiflora  
Elaeagnus sp.
- Myzus hemerocallis Takahashi, 1921

Hemerocallis sp.  
Myzus inuzakurae Shinji, 1930  
     Camellia japonica var. hortensis  
     Prunus buergeriana  
     Prunus sp.  
Myzus japonensis Miyazaki, 1968  
     Rosa rugosa  
Myzus komaumi Shinji, 1943  
     Euonymus alatus var. subtriflorus  
Myzus kusaki Shinji, 1941  
     Orixa japonica  
Myzus lactucicola Takahashi, 1934  
     Crepidiastrum lanceolatum  
Myzus loniceræ Shinji, 1944  
     Euonymus alatus var. subtriflorus  
Myzus malicolens Hori, 1929  
     Malus pumila  
     Pyrus communis  
     Pyrus serotina var. culta  
Myzus malisuctus Matsumura, 1918  
     = Aphis japonica Essig & Kuwana, 1918  
     = Aphis crataegifoliae Shinji, 1922  
     Chaenomeles speciosa  
     Crataegus cuneata  
     Crataegus sp.  
     Malus pumila  
     Pourthiaea villosa var. laevis  
     A plant of Compositae  
Myzus moriokae Shinji, 1941  
     Boehmeria longispica  
     Boehmeria nipononivea  
     Boehmeria nivea var. candicans  
Myzus numecola (Matsumura, 1917)  
     = Myzus umecola Shinji, 1924  
     Prunus armeniaca var. ansu  
     Prunus mume  
Myzus mushaensis Takahashi, 1931  
     Prunus sp.  
Myzus parthenocissi Takahashi, 1965  
     Parthenocissus tricuspidata  
Myzus persicae (Sulzer, 1775)  
     Althaea rosea  
     Antirrhinum majus  
     Arctium lappa  
     Asarum kooyanum var. nipponicum  
     Astragalus sinicus  
     Astragalus sp.  
     Azukia angularis  
     Beta vulgaris var. rapa  
     Brassica campestris  
     Brassica campestris var. komatsuna  
     Brassica campestris var. napus  
     Brassica campestris var. pekinensis  
     Brassica campestris var. rapa  
     Brassica oleracea var. acephala  
     Brassica oleracea var. botryllis  
     Brassica oleracea var. capitata  
     Brassica sp.  
     Calceolaria corymbosa  
     Calendula arvensis  
     Capsella bursa-pastoris  
     Capsella sp.  
     Capsicum annuum  
     Carthamus tinctorius  
     Cerastium holosteoides var. hallaisanense  
     Cerastium vulgatum var. alpinum  
     Chenopodium album var. centrorubrum  
     Chrysanthemum coronarium var. spatiosum  
     Chrysanthemum leucanthemum  
     Chrysanthemum morifolium  
     Chrysanthemum sp.  
     Cirsium sp.  
     Citrus sp.  
     Colocasia antiquorum var. esculenta  
     Crocus sativus  
     Crocus sp.  
     Cucumis sativus  
     Cucumis sp.  
     Cucurbita moschata var. toonas  
     Cyclamen europeanum  
     Cynara scolymus  
     Dahlia pinnata  
     Dianthus sp.  
     Diospyros kaki  
     Fuchsia hybrida  
     Fuchsia sp.  
     Galium spurium var. echinospermon  
     Glycine max  
     Glycine sp.  
     Helianthus annuus  
     Heliotropis sp.  
     Humulus japonicus  
     Humulus sp.  
     Hyacinthus orientalis  
     Hyacinthus sp.  
     Ipomoea batatas var. edulis  
     Ipomoea nil  
     Ipomoea sp.  
     Kalimeris yomena  
     Lactuca scariola var. sativa  
     Lamium amplexicaule  
     Lycopersicon esculentum  
     Lycopersicon sp.  
     Malus pumila  
     Mesembryanthemum spectabile  
     Mesembryanthemum sp.  
     Narcissus sp.  
     Nerium indicum  
     Nicotiana tabacum  
     Panax ginseng



Papaver somniferum  
 Paulownia tomentosa  
 Paulownia sp.  
 Petasites japonicus  
 Physalis pubescens  
 Physalis sp.  
 Pisum sativum  
 Pittosporum tobira  
 Primula sp.  
 Prunus armeniaca var. ansu  
 Prunus mume  
 Prunus persica  
 Prunus salicina  
 Prunus yedoensis  
 Prunus sp.  
 Pyrus communis  
 Pyrus serotina var. culta  
 Pyrus sp.  
 Raphanus sativus var. acanthiformis  
 Raphanus sp.  
 Rorippa indica  
 Rubia sp.  
 Rumex japonicus  
 Senecio cruentus  
 Sesamum indicum  
 Sinapis sp.  
 Sinningia speciosa  
 Sonchus oleraceus  
 Solanum melongena var. esculentum  
 Solanum tuberosum  
 Solanum sp.  
 Spinacia oleracea  
 Stellaria media  
 Taraxacum platycarpum  
 Tulipa gesneriana  
 Verbena sp.  
 Veronica didyma var. lilacina  
 Vicia fava  
 Zanthoxylum piperitum  
 Zinnia elegans  
 A plant of Cruciferae  
Myzus philadelphi Takahashi, 1965  
     Deutzia crenata  
     Philadelphus sp.  
Myzus physaliae (Shinji, 1924)  
     Physalis alkekengi  
Myzus pileae Takahashi, 1965  
     Pilea hamaoi  
Myzus plectranthi Shinji, 1939  
     Plectranthus inflexus  
Myzus polygoni-yonai Shinji, 1938  
     Polygonum viscosum  
Myzus primulana (Matsumura, 1917)  
     Primula sieboldii  
Myzus ranunculinus (Walker, 1852)  
     Ranunculus sp.  
Myzus sakurae Matsumura, 1917  
     Artemisia princeps  
     Prunus donarium  
     Prunus jamasakura  
     Prunus persica  
     Prunus sargentii  
     Prunus yedoensis  
     Prunus sp.  
Myzus siegesbeckiae Takahashi, 1965  
     Siegesbeckia glabrescens  
Myzus stellariae (Strand, 1929)  
     Stellaria sp.  
Myzus suguri Shinji, 1927  
     = Myzus ribis Shinji, 1922, nec Buckton, 1876  
         Ribes sativum  
         Ribes sinanense  
Myzus varians Davidson, 1912  
     = Myzus clematifoliae Shinji, 1924  
         Clematis japonica  
         Clematis ochotensis  
         Clematis sp.  
         Prunus persica  
Myzus xanthomelii Shinji, 1935  
     Zanthoxylum piperitum  
Myzus yomogi Shinji, 1922  
     Artemisia princeps  
Nectarosiphon obako Shinji, 1922  
     Plantago camtschatica  
Neorhopalomyzus lonicericola (Takahashi, 1921)  
     Lonicera morrowii  
Neotoxoptera abelliae Takahashi, 1965  
     Deutzia gracilis  
Neotoxoptera formosana (Takahashi, 1929)  
     Allium fistulosum  
     Allium grayi  
     Allium tuberosum  
     Viola sp.  
Nippodysaphis deutziae (Hille Ris Lambers, 1965)  
     Deutzia sp.  
     \*Prunus sp.  
Ovatus compositae Takahashi, 1965  
     A plant of Compositae  
Ovatus menthae (Buckton, 1876)  
     Lilium leichtlinii var. tigrinum  
     Mentha arvensis var. piperascens  
     Mentha japonica  
Ovatus minutus nipponicus Takahashi, 1965  
     Mentha sp.  
     A plant of Labiatae  
Paramyzus heraclei similis Takahashi, 1963  
     Angelica pubescens  
     Heracleum moellendorffii  
Pentalonia nigronervosa Coquerrel, 1859  
     Musa sp.

- Pergandeida cracca (L., 1758)  
*Vicia angustifolia* var. *segetalis*  
*Vicia cracca*
- Pergandeida kalopanax Hori, 1927  
*Kalopanax pictus*
- Phorodon cannabis Passerini, 1860  
= *Phorodon asacola* Matsumura, 1917  
= *Capitophorus cannabisfoliae* Shinji, 1924  
= *Phorodon humuli*: Hori, 1929  
*Cannabis sativa*  
*Humulus japonicus*  
*Humulus lupulus*  
*Prunus communis*  
*Prunus mume*
- Phorodon humuli japonensis Takahashi, 1965  
= *Phorodon humuli*: Matsumura, 1917, Moritsu, 1954, Shibata, 1955, Shinji, 1932, 1944  
*Cannabis sativa*  
*Humulus japonicus*  
*Humulus lupulus*  
*Humulus lupulus* var. *cordifolius*  
*Prunus armeniaca* var. *ansu*  
*Prunus mume*  
*Prunus persica*  
*Prunus salicina*  
*Prunus* sp.
- Phorodon persifoliae Shinji, 1922  
*Prunus persica*
- Phorodon viburni Matsumura, 1918  
*Euscaphis japonica*  
*Viburnum* sp.
- Pleotrichophorus glandulosus (Kaltenbach, 1846)  
= *Capitophorus formosanus* Takahashi, 1929  
*Artemisia indica*  
*Chrysanthemum morifolium*
- Pseudolachnus yomogi Shinji, 1922  
*Artemisia princeps*
- Pseudomegoura nishikigi Shinji, 1941  
*Euonymus alatus*
- Pterocomma konoi Hori, 1939  
*Salix* sp.
- Pterocomma salijaponicum (Shinji, 1924)  
*Populus maximowiczii*  
*Salix babylonica*  
*Salix gracilistyla*  
*Salix koriyanagi*  
*Salix* sp.
- Pterocomma vignae (Matsumura, 1917)  
*Vigna sinensis*
- Pterocomma yezoense (Hori, 1929)  
*Populus alba*  
*Populus maximowiczii*  
*Populus monilifera*  
*Populus nigra* var. *italica*
- Rhodobium porosum (Sanderson, 1900)  
*Rosa* sp.
- Rhopalosiphoninus adenocauli (Shinji, 1922)  
= *Rhopalosiphoninus nobukii adenocauli* Shinji, 1933  
*Adenocaulon himalaicum*  
*Siegesbeckia pubescens*
- Rhopalosiphoninus celtifoliae Shinji, 1924  
*Prunus jamasakura*  
*Prunus* sp.
- Rhopalosiphoninus deutzifoliae Shinji, 1924  
*Deutzia crenata*
- Rhopalosiphoninus hydrangeae (Matsumura, 1918)  
= *Clavisiphum sambucifoliae* Shinji, 1922  
*Hydrangea paniculata*  
*Hydrangea scandens*  
*Sambucus sieboldiana*  
*Weigela hortensis*
- Rhopalosiphoninus tiliae (Matsumura, 1918)  
*Tilia japonica*  
*Tilia miqeliiana*
- Rhopalosiphum acericola (Matsumura, 1917)  
*Acer palmatum*
- Rhopalosiphum brachytarsus Takahashi, 1961  
A plant of *Cyperaceae*
- Rhopalosiphum cacaliae (Matsumura, 1918)  
*Cacalia hastata* var. *orientalis*
- Rhopalosiphum cornicolum (Matsumura, 1918)  
*Cornus controversa*
- Rhopalosiphum donarium (Matsumura, 1918)  
*Prunus americana*  
*Prunus armeniaca* var. *ansu*  
*Prunus buergeriana*  
*Prunus donarium*  
*Prunus grayana*  
*Solanum tuberosum*  
*Sorbaria sorbifolia*
- Rhopalosiphum fraxinicola (Matsumura, 1917)  
*Fraxinus longicuspis*
- Rhopalosiphum maidis (Fitch, 1856)  
*Avena sativa*  
*Carex* sp.  
*Coix lacryma-jobi* var. *ma-yuen*  
*Digitaria adscendens*  
*Echinochloa crusgalli* var. *frumentaceum*  
*Eleusine indica*  
*Holcus sorghum* var. *japonicus*  
*Hordeum vulgare*  
*Miscanthus sinensis*  
*Poa annua*  
*Setaria italica*  
*Setaria viridis*  
*Zea mays*
- Rhopalosiphum momo Shinji, 1922  
*Prunus persica*
- Rhopalosiphum nymphaeae (L., 1761)  
*Eriobotrya japonica*

*Juncus effusus* var. *decipiens*  
*Nelumbo nucifera*  
*Nelumbo* sp.  
*Nuphar japonicum*  
*Nymphaea japono-koreana*  
*Nymphaea* sp.  
*Prunus communis*  
*Prunus mume*  
*Prunus persica*  
*Prunus salicina*  
*Prunus yedoensis*  
*Prunus* sp.  
*Pyrus serotina* var. *culta*  
*Sagittaria trifolia*  
*Sagittaria trifolia* var. *edulis*  
*Sagittaria* sp.  
*Scirpus tabernaemontani*  
*Rhopalosiphum padi* (L., 1758)  
= *Aphis prunifoliae* Fitch, 1855  
= *Rhopalosiphum avenae*: Hori, 1926  
= *Siphocoryne avenae*: Matsumura, 1917  
*Agropyrum tsukushiense* var. *transiens*  
*Agrostis alba*  
*Allium cepa*  
*Alopecurus aequalis*  
*Andropogon* sp.  
*Avena sativa*  
*Avena* sp.  
*Bromus* sp.  
*Carex* sp.  
*Crataegus cuneata*  
*Cydonia oblonga*  
*Dactylis glomerata*  
*Digitaria adscendens*  
*Echinochloa crus-galli*  
*Echinochloa crus-galli* var. *frumentaceum*  
*Eleusine coracana*  
*Eleusine indica*  
*Elymus* sp.  
*Helianthus annuus*  
*Holcus sorghum*  
*Holcus sorghum* var. *japonicus*  
*Hordeum sativum*  
*Hordeum vulgare*  
*Hordeum vulgare* var. *nudum*  
*Hordeum* sp.  
*Malus halliana*  
*Malus pumila*  
*Malus sieboldii*  
*Melica* sp.  
*Oryza sativa*  
*Panicum miliaceum*  
*Panicum* sp.  
*Papaver samiferum*  
*Pennisetum alopecuroides*  
*Phleum pratense*  
*Poa annua*  
*Poa pratensis*  
*Poa* sp.  
*Prunus buergeriana*  
*Prunus donarium*  
*Prunus mume*  
*Prunus persica*  
*Prunus salicina*  
*Prunus sargentii*  
*Prunus yedoensis*  
*Prunus* sp.  
*Pyrus communis*  
*Pyrus serotina* var. *culta*  
*Secale cereale*  
*Setaria italica*  
*Setaria italica* var. *germanica*  
*Setaria viridis*  
*Triticum aestivum*  
*Zea mays*  
A plant of Gramineae  
*Rhopalosiphum polygona* (Shinji, 1922)  
*Polygonum* sp.  
*Rhopalosiphum rufiabdominalis* (Sasaki, 1899)  
= *Yamataphis oryzae* Matsumura, 1917  
= *Pseudocerosipha pruni* Shinji, 1932  
= *Rhopalosiphum padi*: Tanaka, 1957  
*Agropyron ciliare* var. *minus*  
*Agropyron tsukushiense* var. *transiens*  
*Alopecurus aequalis*  
*Carex* sp.  
*Cyperus microiria*  
*Digitaria adscendens*  
*Echinochloa crusgalli*  
*Echinochloa crusgalli* var. *frumentaceum*  
*Hordeum vulgare*  
*Oryza sativa*  
*Pennisetum alopecuroides*  
*Prunus avium*  
*Prunus donarium*  
*Prunus jamasakura*  
*Prunus lannesiana*  
*Prunus mume*  
*Prunus persica*  
*Prunus salicina*  
*Prunus sargentii*  
*Prunus yedoensis*  
*Prunus* sp.  
*Pyrus serotina* var. *culta*  
*Pyrus ussuriensis*  
*Setaria glauca*  
*Setaria viridis*  
*Solanum tuberosum*  
*Triticum aestivum*  
*Triticum* sp.

Rhopalosiphum sambuci Matsumura, 1918  
Sambucus sieboldiana

Rhopalosiphum smilacis Matsumura, 1918  
Smilax china  
Viburnum sp.

Ryoichitakahashia ilicis Hille Ris Lambers, 1965  
Ilex serrata

Sappaphis piri Matsumura, 1918  
= Anuraphis piricola Okamoto & Takahashi, 1926  
Artemisia montana  
Artemisia princeps  
Pyrus communis  
Pyrus serotina var. culta

Schizaphis graminum (Rondani, 1852)  
Phragmites sp.

Schizaphis graminum (Rondani, 1852) (?)  
Arctium lappa  
Hordeum vulgare var. nudum  
Triticum aestivum

Schizaphis piricola (Matsumura, 1917)  
Prunus persica  
Pyrus communis  
Pyrus serotina var. culta

Schizaphis scirpi (Kittel, 1827)  
= Toxoptera acori Theobald, 1922  
= Toxoptera acori Shinji, nec Theobald, 1922  
Acorus calamus

Semiaphis heraclei (Takahashi, 1921)  
Angelica decursiva  
Cryptotaenia japonica  
Osmorhiza aristata  
Panax ginseng  
A plant of Umbelliferae

Semiaphis moiwaensis Takahashi, 1965  
Impatiens noli-tangere

Semiaphis montana van der Goot, 1917  
= Brachycolus graminis Takahashi, 1920  
Miscanthus sinensis  
Pyrus serotina

Shinjia pteridifoliae (Shinji, 1929)  
Artemisia princeps  
Pteridium aquilinum var. latiusculum  
Viburnum dilatatum  
Viburnum erosum  
Viburnum japonicum

Sinomegoura citricola (van der Goot, 1917)  
= Tuberosiphum camphorae Shinji, 1922  
Acronychia pedunculata  
Bixa orellana  
Brideria ovata  
Chalcos paniculata  
Cinnamomum burnianis  
Cinnamomum camphora  
Cinnamomum zeylanicum  
Cinnamomum sp.

Citrus tachibana  
Citrus sp.  
Eugenia densiflora  
Ficus obscura  
Gardenia jasminoides  
Impatiens balsamina  
Lasianthus sp.  
Listera sp.  
Murraya exotica  
Smilax sp.  
Tea sinensis  
Trachycarpus fortunei

Sinomegoura photiniae (Takahashi, 1936)  
Photinia glabra

Staticobium loochocense Sorin, 1967  
Limonium wrightii

Sumoia rhois (Takahashi, 1924)  
= Sitomyzus japonica Takahashi, 1963  
Rhus ambigua  
Rhus trichocarpa  
Rhus verniciflua

Toxoptera aurantii (Boyer, 1841)  
= Toxoptera citrifolia Maki, 1913  
Citrus deliciosa  
Citrus sp.  
Camellia japonica var. hortensis  
Camellia sp.  
Illicium religiosum  
Photinia glabra  
Poncirus trifoliata  
Tea sinensis  
Trachelospermum jasminoides var. pubescens

Toxoptera celtis (Shinji, 1922)  
Celtis sinensis var. japonica

Toxoptera citricidus (Kirkaldy, 1907)  
= Aphis aeglis Shinji, 1922  
Chalcos paniculata  
Citrus sinensis  
Citrus sp.  
Murraya exotica  
Poncirus trifoliata

Toxoptera mehijiwae Uye, 1924  
Digitaria ciliaris

Toxoptera odinae (van der Goot, 1917)  
= Arimakia araliae Matsumura, 1917  
= Arimakia tarambonis Matsumura, 1917  
= Aphis somei Essig & Kuwana, 1918  
= Aphis mokulen Shinji, 1922  
= Aphis rutae Shinji, 1922  
= Thomasia sansho Shinji, 1922  
= Aphis soyogo Uye, 1923  
Acanthopanax dibaricatus  
Acanthopanax spinosus  
Aralia cinensis  
Aralia cordata

Aralia elata  
 Camellia japonica var. hortensis  
 Celastrus orbiculatus  
 Citrus deliciosa  
 Citrus sinensis  
 Citrus sp.  
 Eurya japonica  
 Evodia rutaecarpa  
 Fatsia japonica  
 Ilex pedunculosa  
 Kalopanax pictus  
 Magnolia liliflora  
 Malus pumila  
 Osmanthus insularis  
 Pittosporum tobira  
 Polygonum cuspidatum  
 Prunus yedoensis  
 Pyrus communis  
 Pyrus serotina var. culta  
 Rhus javanica  
 Rhus succedanea  
 Rhus verniciflua  
 Rhus sp.  
 Saphium sebiferum  
 Viburnum awabuki  
 Viburnum dilatatum  
 Viburnum plicatum var. tomentosum  
 Zanthoxylum ailanthoides  
 Zanthoxylum piperitum  
Trichosiphonaphis loniceræ (Uye, 1923)  
     Lonicera japonica  
Trichosiphonaphis polygoniformosana (Takahashi, 1921)  
     Polygonum sieboldii  
     Polygonum thunbergii  
     Polygonum sp.  
Trichosiphoniella momonis (Matsumura, 1917)  
     = Aphis spinosula Essig & Kuwana, 1918  
     = Myzus higansakuræ Monzen, 1927  
     = Myzus rarus Monzen, 1927  
     = Myzus higansakuræ rarus Monzen, 1929  
         Artemisia princeps  
         Elsholtzia ciliata  
         Prunus jamasakura  
         Prunus persica  
         Prunus subhirtella  
         Prunus yedoensis  
         Prunus sp.  
Trichosiphoniella sasakii (Matsumura, 1917)  
     = Tuberocephalus artemisiae Shinji, 1929  
         Artemisia princeps  
         Prunus jamasakura  
         Prunus lannesiana  
         Prunus sieboldii  
         Prunus sp.  
Utamphorophora filicis Miyazaki, 1968  
     Athyrium yokoscense  
     Dryopteris austriaca  
     Osmunda japonica  
Vesiculaphis caricis (Fullaway, 1910)  
     = Toxoptera rhododendroni Uye, 1923  
     = Toxoptera schichito Uye, 1923  
         Cyperus monophyllus  
         Panax ginseng  
         Rhododendron albrechtii  
         Rhododendron indicum  
         Rhododendron kaempferi  
         Rhododendron obtusum  
         Rhododendron sp.  
Vesiculaphis kongoensis Takahashi, 1965  
     Rhododendron sp.  
Xenosiphonaphis conandri Takahashi, 1961  
     Conandron ramondioides  
Xenosiphonaphis japonica Takahashi, 1961  
     Stachyurus praecox  
Yezabura photiniae Matsumura, 1918  
     Pourthiaea villosa var. laevis  
Yezabura sasae Matsumura, 1917  
     Sasa senanensis  
Yezaphis sasicola Matsumura, 1917  
     Sasa senanensis  
 GREENIDEIDAE  
Allotrichosiphum kashicola (Kurisaki, 1920)  
     Castanopsis cuspidata  
     Quercus acuta  
     Quercus glauca  
Cervaphis quercus Takahashi, 1918  
     = Diverosiphum kunugii Shinji, 1922  
         Quercus acutissima  
         Quercus serrata  
Eutrichosiphum lithocarpi (Maki, 1917)  
     Castanopsis cuspidata  
     Castanopsis sp.  
Eutrichosiphum narafoliae (Shinji, 1922)  
     Quercus sp.  
Eutrichosiphum pasaniae (Okajima, 1908)  
     Castanopsis cuspidata  
     Quercus acuta  
     Quercus serrata  
Eutrichosiphum shiicola Takahashi, 1962  
     Castanopsis cuspidata  
     Quercus dentata  
Eutrichosiphum sinense Raychaudhuri, 1956  
     Castanopsis cuspidata  
Greenidea carpini Takahashi, 1963  
     Carpinus sp.  
Greenidea ficicola Takahashi, 1923  
     Ficus carica  
     Ficus microcarpa  
     Ficus sp.

- Greenidea formosana (Maki, 1917)  
 Psidium guyava
- Greenidea kuwanai (Pergande, 1906)  
 Castanea crenata  
 Castanopsis cuspidata  
 Pasania edulis  
 Quercus acuta  
 Quercus acutissima  
 Quercus dentata  
 Quercus glabra  
 Quercus glauca  
 Quercus myrsinaefolia  
 Quercus phillyraeoides  
 Quercus salicina  
 Quercus serrata  
 Quercus sp.
- Greenidea luchuana Takahashi, 1930  
 Quercus sp.
- Greenidea nipponica Suenaga, 1934  
 Quercus acutissima  
 Quercus phillyraeoides
- Greenidea okazimai Suenaga, 1934  
 Castanopsis cuspidata
- Mollitrichosiphum nigrofasciatum (Maki, 1917)  
 Quercus glauca  
 Quercus sp.
- Mollitrichosiphum nigrofasciatum glaucae Takahashi, 1962  
 Quercus glauca
- Mollitrichosiphum tenuicorpus (Okajima, 1908)  
 Castanopsis cuspidata
- Mollitrichosiphum yamabiwae Suenaga, 1934  
 Meliosma myriantha
- Paratrichosiphum tattakanum (Takahashi, 1925)  
 Quercus acutissima  
 Quercus glauca  
 Quercus phillyraeoides
- THELAXIDAE
- Aiceona actinodaphni Takahashi, 1921  
 Actinodaphne sp.
- Aiceona japonica Takahashi, 1960  
 Cinnamomum camphora  
 A plant of Lauraceae
- Aleurodaphis asteris Takahashi & Sorin, 1958  
 Gymnaster pygmaeus  
 Kalimeris yomena
- Aleurodaphis blumeae van der Goot, 1917  
 Carpesium abrotanoides  
 Kalimeris yomena
- Aleurodaphis mikaniae Takahashi, 1925  
 Gymnaster savatieri  
 Impatiens balsamina  
 Ligularia fischeri
- Aleurodaphis nobukii Shinji, 1923  
 Adenocaulon himalaicum
- Allothoracaphis piyananensis Takahashi, 1935  
 Quercus glauca
- Anoecia fulviabdominalis (Sasaki, 1899)  
 = Anoecia corni: Hori, 1929, Matsumura, 1917, Moritsu, 1954, Shinji, 1932, 1935, 1941, Suenaga, 1937, Tanaka, 1957.  
 Agropyron ciliare var. minus  
 Agropyrum tsukushiense var. transiens  
 Alopecurus aequalis  
 Avena sativa  
 Avena sp.  
 Cornus brachypoda  
 Cornus controversa  
 Cornus sp.  
 Digitaria adscendes  
 Echinochloa crusgalli  
 Echinochloa crusgalli var. frumentaceum  
 Eragrostis sp.  
 Holcus lanatus  
 Hordeum vulgare  
 Imperata cylindrica var. koenigii  
 Lolium temulentum  
 Lolium sp.  
 Miscanthus sinensis  
 Oryza sativa  
 Oryza sp.  
 Panicum crusgalli  
 Panicum sp.  
 Setaria glauca  
 Setaria viridis  
 Setaria sp.  
 Triticum aestivum  
 Triticum sp.
- Astegopteryx bambusifoliae (Takahashi, 1921)  
 Bambusa sp.
- Astegopteryx pseudostyracophila Shinji, 1936  
 Styrax japonica
- Astegopteryx styraci Matsumura, 1917  
 Styrax obassia
- Astegopteryx styracophila Karsh, 1891  
 Microstegium vimineum var. polystachyum  
 Styrax japonica
- Astegopteryx takenouchii Takahashi, 1934  
 Styrax japonica  
 Styrax sp.
- Atarsaphis quercus Takahashi, 1958  
 Quercus phillyraeoides
- Ceratovacuna japonica (Takahashi, 1924)  
 Bamboos  
 Bambusa sp.
- Ceratovacuna lanigera Zehntner, 1897  
 Miscanthus sinensis  
 Miscanthus sp.  
 Saccharum officinarum
- Ceratovacuna nekoashi (Sasaki, 1907)  
 = Pemphigus oplisneni Shinji, 1922

- Microstegium vimineum* var. *polystachyum*  
*Oplismenus undulatifolius*  
*Oplismenus* sp.  
*Styrax japonica*
- Dermaphis japonensis* Takahashi, 1958  
 = *Thoracaphis takahashii*: Shinji, 1941  
*Pasania* sp.  
*Quercus glauca*
- Dinipponaphis autumnna* (Monzen, 1934)  
 = *Nipponaphis yanonis* var. *autumnus* Monzen, 1934  
*Distylium racemosum*
- Doraphis populi* (Maskell, 1898)  
 = *Cerataphis pirifoliae* Shinji, 1924  
 = *Doraphis populi* Matsumura & Hori, 1929  
*Populus maximowiczii*  
*Populus sieboldii*  
*Populus* sp.
- Euthoracaphis umbellulariae* (Essig, 1932)  
 = *Thoracaphis cinnamoniae* Shinji, 1941  
*Cinnamomum japonicum*  
*Cinnamomum paniculatum*
- Glyphina betulae* (Kaltenbach, 1843)  
*Betula platyphylla* var. *japonica*
- Glyphina saitamaensis* Shinji, 1923  
*Quercus* sp.
- Glyphina schrankiana* Börner, 1950  
 = *Aphis alni* Schrank, 1801, nec Degeer, 1773  
*Alnus firma*  
*Alnus japonica*  
*Betula platyphylla* var. *japonica*
- Glyphinaphis bambusae* van der Goot, 1917  
 = *Okajimaia japonica* Suenaga, 1933  
*Arundinaria simonii*
- Hamamelistes cristafoliae* Monzen, 1954  
*Betula maximowicziana*
- Hamamelistes gibberi* Monzen, 1954  
 = *Hamamelistes gibberi* biological race *grossae* Monzen, 1954  
*Betula ermani*  
*Betula grossa*
- Hormaphidula betulae* (Mordvilko, 1907)  
*Betula platyphylla* var. *japonica*
- Kurisakia ailanthi* Takahashi, 1960  
*Ailanthus altissima*
- Kurisakia onigurumii* (Shinji, 1923)  
 = *Glyphina onigurumii* Shinji, 1924  
*Junglans ailanthifolia*  
*Junglans* sp.  
*Pterocarya rhoifolia*
- Kurisakia onigurumii querciphila* Takahashi, 1960  
*Quercus acutissima*  
*Quercus glauca*  
*Quercus serrata*
- Lithoaphis shiiae* Takahashi, 1959  
*Castanopsis cuspidata*
- Mansakia betulina* (Horvath, 1896)  
 = *Hamamelistes tullgreni* Meijere, 1912  
*Betula platyphylla* var. *japonica*
- Mansakia betulina makabae* Inouye, 1963  
*Betula maximowicziana*
- Mansakia gallifoliae* Monzen, 1929  
*Hamamelis japonica*
- Mansakia kagamii* Monzen, 1929  
*Hamamelis japonica*
- Mansakia miyabei* Matsumura, 1917  
*Hamamelis japonica*
- Mansakia shirakabae* (Monzen, 1927)  
*Betula ermani*  
*Betula platyphylla* var. *japonica*
- Metanipponaphis cuspidatae* (Essig & Kuwana, 1918)  
*Castanopsis cuspidata*  
*Castanopsis* sp.  
*Distylium racemosum*  
*Quercus* sp.
- Metanipponaphis rotunda* Takahashi, 1959  
*Castanopsis* sp.
- Metanipponaphis shiicola* Takahashi, 1959  
*Castanopsis cuspidata*
- Microthoracaphis elongata* Takahashi, 1958  
*Quercus myrsinaefolia*  
*Quercus sessilifolia*
- Microthoracaphis glaucae* Takahashi, 1958  
*Quercus glauca*
- Microthoracaphis querciphaga* Takahashi, 1958  
*Quercus myrsinaefolia*
- Microthoracaphis saramaoensis* (Takahashi, 1935)  
*Quercus glauca*
- Mindarus abietinus* Koch, 1856  
*Abies firma*  
*Abies* sp.  
*Tsuga sieboldii*
- Mindarus japonicus* Takahashi, 1931  
*Abies firma*  
*Abies mayriana*  
*Abies sachalinensis*
- Monzenia globuli* (Monzen, 1934)  
*Distylium racemosum*
- Neonipponaphis shiiae* Takahashi, 1962  
*Castanopsis cuspidata*
- Neothoracaphis yanonis* (Matsumura, 1917)  
*Distylium racemosum*  
*Quercus dentata*  
*Quercus mongolica* var. *grosseserrata*  
*Quercus serrata*
- Nipponaphis amamiana* Takahashi, 1962  
*Machilus* sp.
- Nipponaphis distychiei* Pergande, 1909  
*Distylium racemosum*
- Nipponaphis distyliicola* Monzen, 1934  
 = *Nipponaphis cuspidatae*: Shinji, 1941(partim).  
 = *Nipponaphis gigantea*: Sorin, 1958, Takahashi,

1958.  
*Castanopsis cuspidata*  
*Distylium racemosum*  
*Quercus acuta*  
*Quercus acutissima*  
*Quercus glauca*  
*Quercus mongolica* var. *grosseserrata*  
*Quercus* sp.
- Nipponaphis litseae Takahashi, 1959  
*Neolitsea sericea*
- Nipponaphis machilicola (Shinji, 1941)  
*Machilus thunbergii*  
*Machilus* sp.
- Nipponaphis machiliphga Takahashi, 1959  
*Machilus* sp.
- Nipponaphis monzeni Takahashi, 1958  
*Distylium racemosum*  
*Quercus glauca*
- Oregma lanigera Uye, 1924  
*Miscanthus sinensis*
- Oregma ganici Uye, 1924  
*Arundinaria simonii*
- Oregma sasae Monzen, 1927  
*Sasa ramosa*
- Oregma uscae Tao, 1964  
 Bamboos
- Paranipponaphis takaoensis Takahashi, 1959  
*Quercus* sp.
- Parathoracaphis setigera (Takahashi, 1932)  
*Quercus glauca*  
*Quercus myrsinaefolia*
- Quadrartus yoshinomiyai Monzen, 1954  
*Distylium racemosum*
- Quernaphis tuberculata (Takahashi, 1933)  
*Quercus gilva*
- Reticulaphis fici foveolatae Takahashi, 1935  
 = *Thoracaphis fici* var. *foveolatae* Takahashi, 1935  
*Ficus nipponica*
- Reticulaphis shiiae Takahashi, 1958  
*Castanopsis cuspidata*
- Thoracaphis betulaeifoliae Shinji, 1924  
*Betula platyphylla* var. *japonica*
- Thoracaphis dorocola Shinji, 1941  
*Populus maximowiczii*
- Thoracaphis fici (Takahashi, 1923)  
*Ficus carica*  
*Ficus microcarpa*  
*Ficus wightiana*
- Thoracaphis linderiae Shinji, 1926  
*Lindera umbellata*  
*Parabenzoin praecox*  
*Parabenzoin trilobum*
- Thoracaphis quercicola (Takahashi, 1921)  
*Quercus mongolica* var. *grosseserrata*  
*Quercus serrata*
- Thoracaphis yamanarashii Shinji, 1941  
*Populus sieboldii*
- Tsugaphis sorini Takahashi, 1957  
*Tsuga sieboldii*
- Xenothoracaphis kashifolia (Uye, 1924)  
 = *Xenothoracaphis kashiwae* (sic): Sorin, 1960,  
 Takahashi, 1958.  
*Quercus acuta*  
*Quercus glauca*
- PEMPHIGIDAE
- Colopha graminis (Takahashi, 1930)  
 A plant of Gramineae
- Colopha moriokaensis (Monzen, 1929)  
*Sasa ramosa*  
*Sasa veitchii*  
*Ulmus davidiana* var. *japonica*  
*Zelkova serrata*
- Eriosoma clematis (Shinji, 1922)  
*Clematis apiifolia*  
*Clematis japonica*
- Eriosoma clematicola (Shinji, 1922)  
*Clematis apiifolia*  
*Clematis japonica*
- Eriosoma elsholtriae Shinji, 1935  
*Elsholtzia ciliata*
- Eriosoma japonica (Matsumura, 1917)  
*Ulmus davidiana* var. *japonica*
- Eriosoma kansugei Uye, 1924  
*Carex morrowii*
- Eriosoma lanigera (Hausman, 1802)  
*Crataegus cuneata*  
*Malus halliana*  
*Malus pumila*  
*Malus sieboldii*  
*Pourthiaea villosa* var. *laevis*
- Formosaphis micheliae Takahashi, 1925  
*Michelia compressa*
- Geocica lucifuga (Zehntner, 1899)  
*Agropyrum tsukushiense* var. *transiens*  
*Digitaria adscendens*  
*Dimeria ornithopoda* var. *tenera*  
*Oryza sativa*  
*Saccharum officinarum*  
*Zoysia japonica*
- Kaltenbachiella japonica (Matsumura, 1917)  
*Elsholtzia ciliata*  
*Ulmus davidiana* var. *japonica*  
*Ulmus laciniata*  
*Ulmus* sp.
- Kaltenbachiella nirecola (Matsumura, 1917)  
*Panicum* sp.  
*Setaria* sp.  
*Triticum* sp.  
*Ulmus davidiana* var. *japonica*
- Nurudea ibofushi Matsumura, 1917



Rhus javanica  
Nurudea rosea (Matsumura, 1917)  
     Rhus javanica  
Nurudeopsis shiraii Matsumura, 1917  
     Rhus javanica  
Nurudeopsis yanoniella Matsumura, 1917  
     Rhus javanica  
Paracletus cimiciformis Heyden, 1837  
     = Paracletus harukawai Tanaka, 1957  
     Hordeum vulgare  
     Oryza sativa  
     Poa pratensis  
Pemphigus andropogiae Shinji, 1924  
     Cymbopogon tortilis  
Pemphigus arrigmoniae Shinji, 1924  
     Agrimonia pilosa  
Pemphigus dorocola Matsumura, 1917  
     Agrimonia pilosa  
     Plantago asiatica  
     Populus balsamifera  
     Populus maximowiczii  
Pemphigus fatauae Shinji, 1924  
     Fatoua villosa  
Pemphigus matsumurai Monzen, 1927  
     Populus maximowiczii  
Pemphigus niishimae Matsumura, 1917  
     Agrimonia pilosa  
     Bidens tripartita  
     Fatoua villosa  
     Larix leptolepis  
     Populus maximowiczii  
Pemphigus yanagi Shinji, 1928  
     Toisusu urbaniana  
Prociphilus anemoni Shinji, 1922  
     Anemone hupehensis var. japonica  
Prociphilus bumeliae (Schrank, 1801)  
     Abies sp.  
     Bamboos  
     Holcus sorghum var. japonicus  
     Larix leptolepis  
     Panicum miliaceum  
     Pyrus serotina var. culta  
Prociphilus crataegicola Shinji, 1922  
     Crataegus cuneata  
     Crataegus sp.  
     Malus pumila  
Prociphilus konoi Hori, 1938  
     Lonicera gracilipes var. glabra  
     Lonicera morrowii  
     Picea glehnii  
Prociphilus kuwanai Monzen, 1927  
     = Prociphilus takahashii Maxson & Knowlton, 1937  
     = Prociphilus pyri: Essig & Kuwana, 1918, Takahashi, 1921  
     Forsythia suspensa  
     Larix leptolepis  
     Malus pumila  
     Pyrus communis  
     Pyrus serotina var. culta  
     Pyrus sp.  
     Rhus verniciflua  
     Rumex japonicus  
     Ulmus davidiana var. japonica  
Prociphilus laricis Shinji, 1941  
     Abies sp.  
Prociphilus lonicerae Shinji, 1943  
     Lonicera gracilipes var. glabra  
Prociphilus oriens Mordvilko, 1935  
     = Prociphilus bumeliae: Matsumura, 1917  
     = Prociphilus nidificus: Monzen, 1929  
     Abies mayriana  
     Abies sachalinensis  
     Celtis jessoensis  
     Forsythia japonica  
     Fraxinus americana  
     Fraxinus excelsior  
     Fraxinus lanuginosa  
     Fraxinus mandshurica var. japonica  
     Fraxinus sieboldiana  
     Fraxinus spaethiana  
     Fraxinus velutina  
     Fraxinus sp.  
     Ligustrum obtusifolium  
     Ligustrum ovalifolium  
     Ligustrum tschonoskii var. glabrescens  
     Lonicera morrowii  
     Malus pumila  
     Prunus maximowiczii  
     Prunus sargentii  
     Pterocarya rhoifolia  
     Rhus javanica  
     Salix bakko  
     Salix sachalinensis  
     Sorbus commixta  
     Styrax obassia  
     Syringa reticulata  
     Syringa vulgaris  
     Syringa sp.  
     Tilia maximowicziana  
     Ulmus davidiana var. japonica  
Prociphilus osmanthae Essig & Kuwana, 1918  
     Mahonia japonica  
     Osmanthus heterophyllus  
Prociphilus pourthiacae Monzen, 1927  
     Pourthiaea villosa  
Prociphilus ranunculi (Shinji, 1922)  
     Rannunculus japonicus  
     Rannunculus quelpaertensis  
Prociphilus sasakii Monzen, 1927  
     Malus pumila

- Prociphilus take (Shinji, 1922)  
 Bamboo  
 Sasa sp.
- Prociphilus ushikoroshi Shinji, 1924  
 Larix leptolepis  
 Pourthiaea villosa var. laevis
- Schlechtendalia chinensis (Bell, 1848)  
 Mosses  
 Rhus javanica
- Schlechtendalia intermedia Matsumura, 1917  
 Rhus javanica
- Schlechtendalia mimifushi Matsumura, 1917  
 Rhus javanica
- Schlechtendalia miyabei Matsumura, 1917  
 Rhus javanica
- Stagona crataegi (Tullgren, 1909)  
 Crataegus cuneata  
 Ribes sinanense
- Tetraneura akinire Sasaki, 1904  
 Ulmus davidiana var. japonica  
 Ulmus parvifolia
- Tetraneura fusiformis Matsumura, 1917  
 Ulmus davidiana  
 Ulmus parvifolia  
 Ulmus sp.
- Tetraneura nigriabdominalis (Sasaki, 1899)  
 = Brysocyrtus ulmi: Tanaka, 1957  
 Agropyron ciliare  
 Agropyron tsukushiense var. transiens  
 Agropyron clavata var. nukabo  
 Alopecurus aequalis  
 Alopecurus japonicus  
 Dactylis glomerata  
 Digitaria adscendens  
 Dimeria ornithopoda var. tenera  
 Echinochloa crusgalli  
 Echinochloa crusgalli var. frumentaceum  
 Eleusine indica  
 Eragrostis ferruginea  
 Eragrostis multicaulis  
 Hordeum vulgare  
 Imperata cylindrica var. koenigii  
 Oryza sativa  
 Pennisetum alopecuroides  
 Phleum pratense  
 Setaria glauca  
 Setaria italica  
 Setaria viridis  
 Triticum aestivum  
 Triticum sp.  
 Ulmus davidiana var. japonica  
 Ulmus davidiana var. japonica f. suberosa  
 Ulmus parvifolia  
 Zoysia japonica
- Tetraneura ulmi (L., 1758)
- Oryza sativa  
 Ulmus davidiana var. japonica  
 Ulmus parvifolia  
 Zelkova serrata
- Tetraneura yezoensis Matsumura, 1917  
 = Tetraneura ulmi yezoensis: Hori, 1929, Moritsu, 1954.  
 = Tetraneura yezoensis ulmi(sic): Shinji, 1932  
 Agrimonia pilosa  
 Cynodon dactylon  
 Dactylis glomerata  
 Digitaria adscendens  
 Echinochloa crusgalli  
 Echinochloa crusgalli var. frumentaceum  
 Setaria italica  
 Setaria viridis  
 Ulmus campestris  
 Ulmus campestris var. major  
 Ulmus davidiana var. japonica  
 Ulmus parvifolia  
 Zea mays  
 A plant of Gramineae
- Thecabius latisensoria Hori, 1938  
 Populus maximowiczii
- Thecabius populiconduplifolius (Cowen, 1895)  
 Ranunculus ternatus
- Watabura nishiyae Matsumura, 1917  
 = Pemphigus gramineus Shinji, 1923  
 = Aphidounguis mali Takahashi, 1963  
 Calamagrostis arundinacea  
 Celtis sinensis var. japonica  
 Cydonia oblonga  
 Cymbopogon tortilis  
 Malus pumila  
 Sasa veitchii  
 Ulmus davidiana var. japonica  
 Zelkova serrata  
 A plant of Gramineae
- ADELGIDAE
- Adelges japonicus Monzen, 1929  
 Picea jezoensis  
 Picea jezoensis var. hondoensis  
 Picea sitchensis
- Adelges laricis Vallot, 1836  
 = Adegus laricis var. karamatsu Inouye, 1953  
 Larix gmelini  
 Larix leptolepis  
 Larix olgensis var. koreana
- Aphrastasia pectinatae (Cholodkovsky, 1888)  
 = Chermes ishiharai Inouye, 1936  
 = Aphrastasia pectinatae var. ishiharai Inouye, 1953  
 Abies sachalinensis  
 Abies sachalinensis var. mayriana  
 Picea canadensis

- Picea glehnii*  
*Picea jezoensis*  
*Picea sitchensis*  
Aphrastasia tsugae (Annand, 1924)  
*Picea polita*  
Cholodkovskya viridana (Cholodkovsky, 1896)  
 = *Chermes laricicola* Shinji, 1930  
*Larix gmelini*  
*Larix leptolepis*  
*Larix olgensis* var. *koreana*  
Dreyfusia todomatsui Inouye, 1953  
*Abies mayriana*  
Pineus cembrae (Cholodkovsky, 1888)  
*Picea glehnii*  
*Picea koraiensis*  
*Picea parviflora*  
*Picea pumila*  
Pineus harukawai Inouye, 1953  
*Pinus parviflora*  
*Pinus parviflora* var. *pentaphylla*  
*Pinus strobus*  
Pineus hosoyai Inouye, 1953  
*Pinus koraiensis*  
*Pinus* sp.  
Pineus konowashiyai Inouye, 1953  
*Picea excelsa*
- Pineus laevis (Maskell, 1885)  
*Pinus thunbergii*  
Pineus matsumurai Inouye, 1953  
*Pinus densiflora*  
*Pinus thunbergii*  
Pineus orientalis (Dreyfus, 1888)  
*Pinus densiflora*  
*Pinus polita*  
*Pinus thunbergii*  
Pineus pini (Macquart, 1819)  
 = *Anisophleba pini* Koch, 1857  
*Pinus thunbergii*  
Pineus sylvestris Annand, 1928  
*Pinus thunbergii*  
Sacchiphantes karafutonis (Kono & Inouye, 1938)  
*Picea jezoensis*  
Sacchiphantes kitamiensis Inouye, 1963  
*Larix leptolepis*  
 PHYLLOXERIDAE  
Cinacium iaksuiense Kishida, 1924  
*Pyrus serotina* var. *culta*  
Moritzziella castaneivora Miyazaki, 1968  
*Castanea crenata*  
Viteus vitifolii (Fitch, 1855)  
 = *Phylloxera vastatrix* Planchon, 1867  
*Vitis vinifera*

INDEX TO APHID GENERA

|                            |    |                         |     |                           |     |
|----------------------------|----|-------------------------|-----|---------------------------|-----|
| Abura . . . . .            | 35 | Capitophorus . . . . .  | .41 | Dysaphis . . . . .        | .43 |
| Acanthulipes . . . . .     | 35 | Carolinaia . . . . .    | .41 | Elatobium . . . . .       | .43 |
| Acyrtosiphon . . . . .     | 35 | Cavariella . . . . .    | .41 | Eomyzus . . . . .         | .43 |
| Adelges . . . . .          | 57 | Ceratovacuna . . . . .  | .53 | Eriosoma . . . . .        | .55 |
| Aiceona . . . . .          | 53 | Cerosipha . . . . .     | .42 | Euceraphis . . . . .      | .33 |
| Akkaia . . . . .           | 35 | Cervaphis . . . . .     | .52 | Eulachnus . . . . .       | .31 |
| Aleurodaphis . . . . .     | 53 | Chaetosiphon . . . . .  | .42 | Eumyzus . . . . .         | .43 |
| Allothoracaphis . . . . .  | 53 | Chaitomyzus . . . . .   | .42 | Euthoracaphis . . . . .   | .54 |
| Allotrichosiphum . . . . . | 52 | Chaitophorus . . . . .  | .32 | Eutrichosiphum . . . . .  | .52 |
| Amphicercidus . . . . .    | 35 | Cholodkovskya . . . . . | .58 | Formosaphis . . . . .     | .55 |
| Amphorophora . . . . .     | 36 | Coloradoa . . . . .     | .42 | Galliaphis . . . . .      | .43 |
| Anoecia . . . . .          | 53 | Chromocallis . . . . .  | .33 | Geocica . . . . .         | .55 |
| Anuraphis . . . . .        | 36 | Cinacium . . . . .      | .58 | Glyphina . . . . .        | .54 |
| Aphis . . . . .            | 36 | Cinara . . . . .        | .31 | Glyphinaphis . . . . .    | .54 |
| Aphorodon . . . . .        | 39 | Colopha . . . . .       | .55 | Greenidea . . . . .       | .52 |
| Aphrastasia . . . . .      | 57 | Cryptaphis . . . . .    | .42 | Hamamelistes . . . . .    | .54 |
| Astegopteryx . . . . .     | 53 | Cryptomyzus . . . . .   | .42 | Hayhurstia . . . . .      | .43 |
| Atarsaphis . . . . .       | 53 | Cryptosiphum . . . . .  | .42 | Hormaphidula . . . . .    | .54 |
| Aulacorthum . . . . .      | 39 | Dactynotus . . . . .    | .42 | Hyadaphis . . . . .       | .43 |
| Betacallis . . . . .       | 33 | Dasyaphis . . . . .     | .33 | Hyalopterus . . . . .     | .43 |
| Betulaphis . . . . .       | 33 | Dermaphis . . . . .     | .54 | Hydranaphis . . . . .     | .43 |
| Boerneria . . . . .        | 33 | Dinipponaphis . . . . . | .54 | Hyperomyzus . . . . .     | .43 |
| Brachycaudus . . . . .     | 41 | Diphyllaphis . . . . .  | .33 | Impatientinum . . . . .   | .43 |
| Brachycolus . . . . .      | 41 | Doraphis . . . . .      | .54 | Indomegoura . . . . .     | .43 |
| Calaphis . . . . .         | 33 | Drepanaphis . . . . .   | .33 | Juncomyzus . . . . .      | .43 |
| Callaphis . . . . .        | 33 | Dreyfusia . . . . .     | .58 | Kaltenbachiella . . . . . | .55 |

|                             |    |                             |    |                             |    |
|-----------------------------|----|-----------------------------|----|-----------------------------|----|
| Kurisakia . . . . .         | 54 | Neophyllaphis . . . . .     | 34 | Sappaphis . . . . .         | 51 |
| Lachnaphis . . . . .        | 43 | Neorhopalomyzus . . . . .   | 48 | Sappocallis . . . . .       | 34 |
| Lachniella . . . . .        | 31 | Neothoracaphis . . . . .    | 54 | Schizaphis . . . . .        | 51 |
| Lachnus . . . . .           | 31 | Neotoxoptera . . . . .      | 48 | Schizolachnus . . . . .     | 32 |
| Liosomaphis . . . . .       | 44 | Nippocallis . . . . .       | 34 | Schlechtendalia . . . . .   | 57 |
| Lipaphis . . . . .          | 44 | Nippochaitophorus . . . . . | 33 | Semiaphis . . . . .         | 51 |
| Lithoaphis . . . . .        | 54 | Nippodysaphis . . . . .     | 48 | Shinjia . . . . .           | 51 |
| Longicaudus . . . . .       | 44 | Nippolachnus . . . . .      | 32 | Shivaphis . . . . .         | 34 |
| Longiunguis . . . . .       | 44 | Nipponaphis . . . . .       | 54 | Sinomegoura . . . . .       | 51 |
| Macchiatiella . . . . .     | 44 | Nurudea . . . . .           | 55 | Stagona . . . . .           | 57 |
| Machilaphis . . . . .       | 33 | Nurudeopsis . . . . .       | 56 | Staticobium . . . . .       | 51 |
| Macrocaudus . . . . .       | 44 | Nymphaphis . . . . .        | 34 | Stomaphis . . . . .         | 32 |
| Macromyzus . . . . .        | 44 | Oregma . . . . .            | 55 | Sumoia . . . . .            | 51 |
| Macrosiphoniella . . . . .  | 44 | Ovatus . . . . .            | 48 | Symydoebius . . . . .       | 34 |
| Macrosiphum . . . . .       | 44 | Parachaitophorus . . . . .  | 33 | Takecallis . . . . .        | 34 |
| Mansakia . . . . .          | 54 | Paracletus . . . . .        | 56 | Tetraneura . . . . .        | 57 |
| Matsumuraja . . . . .       | 46 | Paramyzus . . . . .         | 48 | Thecabius . . . . .         | 57 |
| Megalocallis . . . . .      | 33 | Paranipponaphis . . . . .   | 55 | Therioaphis . . . . .       | 34 |
| Megoura . . . . .           | 46 | Parathoracaphis . . . . .   | 55 | Thomasiniellula . . . . .   | 33 |
| Melanaphis . . . . .        | 46 | Paratrichosiphum . . . . .  | 53 | Thoracaphis . . . . .       | 55 |
| Melanosiphum . . . . .      | 46 | Pemphigus . . . . .         | 56 | Tiliaphis . . . . .         | 34 |
| Mesocallis . . . . .        | 33 | Pentalonia . . . . .        | 48 | Tinocallis . . . . .        | 34 |
| Metanipponaphis . . . . .   | 54 | Pergandeida . . . . .       | 49 | Todolachnus . . . . .       | 32 |
| Metaphorodon . . . . .      | 46 | Periphyllus . . . . .       | 33 | Toxoptera . . . . .         | 51 |
| Micromyzodium . . . . .     | 46 | Phorodon . . . . .          | 49 | Trama . . . . .             | 32 |
| Micromyzus . . . . .        | 46 | Phyllaphis . . . . .        | 34 | Trichaitophorus . . . . .   | 33 |
| Microthoracaphis . . . . .  | 54 | Pineus . . . . .            | 58 | Trichosiphoniella . . . . . | 52 |
| Mimocallis . . . . .        | 33 | Platyaphis . . . . .        | 34 | Tsugaphis . . . . .         | 55 |
| Mindarus . . . . .          | 54 | Plectrichophorus . . . . .  | 49 | Tuberculatus . . . . .      | 35 |
| Mollitrichosiphum . . . . . | 53 | Prociophilus . . . . .      | 56 | Tuberculoides . . . . .     | 35 |
| Monzenia . . . . .          | 54 | Pseudolachnus . . . . .     | 49 | Tuberolachnus . . . . .     | 32 |
| Moritziella . . . . .       | 58 | Pseudomegoura . . . . .     | 49 | Utamphorophora . . . . .    | 52 |
| Myzaphis . . . . .          | 46 | Pterocomma . . . . .        | 49 | Vesiculaphis . . . . .      | 52 |
| Myzocallis . . . . .        | 33 | Quadrartus . . . . .        | 55 | Viteus . . . . .            | 58 |
| Myzophis . . . . .          | 46 | Quernaphis . . . . .        | 55 | Watabura . . . . .          | 57 |
| Myzosiphum . . . . .        | 46 | Recticallis . . . . .       | 34 | Xenosiphonaphis . . . . .   | 52 |
| Myzus . . . . .             | 46 | Reticulaphis . . . . .      | 55 | Xenothoracaphis . . . . .   | 55 |
| Nectarosiphon . . . . .     | 48 | Rhodobium . . . . .         | 49 | Yamatocallis . . . . .      | 35 |
| Neocalaphis . . . . .       | 34 | Rhopalosiphoninus . . . . . | 49 | Yezabura . . . . .          | 52 |
| Neocallis . . . . .         | 34 | Rhopalosiphum . . . . .     | 49 | Yezaphis . . . . .          | 52 |
| Neochromaphis . . . . .     | 34 | Ryoichitakahashia . . . . . | 51 |                             |    |
| Neonipponaphis . . . . .    | 54 | Sacchiphantes . . . . .     | 58 |                             |    |

### PART III. BIBLIOGRAPHY

The paper with an asterisk (\*) is written in Japanese, without a title in English or other foreign languages. In that case an English title is given by the present authors.

1. Enomoto, E. 1953 \*Breeding plants of Myzus persicae (Sulzer). *Oyô-kontyû* 8(4): 155 - 156.
2. Essig, E. O. & Kuwana, S. I. 1918 Some Japanese Aphididae. *Proc. Calif. Acad. Sci.* 4th ser. 8(3): 35 - 112.
3. Higuchi, H. 1968 A revision of the genus Takecallis Matsumura. *Ins. Mats.* 31(4): 25 - 34.
4. Hille Ris Lambers, D. 1965 On some Japanese Aphididae. *Tijdschr. Ent.* 108: 189 - 203.
5. \_\_\_\_\_ 1967 Notes on some Japanese Eriosomatinae (Homopt., Aphididae). *Ent. Bericht-*  
*en* 27: 86 - 89.

6. \_\_\_\_\_ 1967 A new species of *Aulacorthum* Mordvilko (Homopt., Aphididae) from Japan. Ent. Berichten 27: 132 - 134.
7. Hori, M. 1926 \*Studies on *Rhopalosiphum avenae* (Fabricius). Rept. Hokkaido Agr. Exp. Sta. 17: 1 - 49.
8. \_\_\_\_\_ 1926 \*Studies on *Macrosiphum matsumuraenum* n. sp. Rept. Hokkaido Agr. Exp. Sta. 17: 51 - 83.
9. \_\_\_\_\_ 1927 Some new aphids from Hokkaido. Ins. Mats. 1(4): 188 - 201.
10. \_\_\_\_\_ 1929 Studies on the noteworthy species of plant-lice in Hokkaido. Rept. Hokkaido Agr. Exp. Sta. 23: 1 - 163 (in Japanese).
11. \_\_\_\_\_ 1929 Two new species of aphids parasitic on Poplar in Hokkaido. Trans. Sapporo Nat. Hist. Soc. 25(2): 109 - 115 (in Japanese).
12. \_\_\_\_\_ 1938 A revision of the species of the tribe Pemphigini occurring in Hokkaido and Saghalien. Ins. Mats. 12(2, 3): 109 - 130.
13. \_\_\_\_\_ 1938 Aphids infesting *Lonicera Morrowii* Asa Gray in Hokkaido, with description of a new species. Ins. Mats. 12(4): 160 - 165.
14. Inouye, M. 1936 Two new species of Aphididae from Hokkaido. Ins. Mats. 10(4): 128 - 134.
15. \_\_\_\_\_ 1936 Eine neue Chermes-art (Adelgiden) auf Hokkaido. Ins. Mats. 11(1, 2): 75 - 80.
16. \_\_\_\_\_ 1937 One new and two unrecorded species of Aphididae from Japan. Ins. Mats. 11(3): 100 - 105.
17. \_\_\_\_\_ 1938 On three aphids of Lachninae from Hokkaido and Saghalien. Ins. Mats. 12(2, 3): 74 - 80.
18. \_\_\_\_\_ 1938 Die Adelgiden, schädlich an ezofichten und akaezofichten in Japan. Ins. Mats. 12(4): 169 - 173.
19. \_\_\_\_\_ 1939 On eight conifer aphids occurring in Hokkaido. Ins. Mats. 13(4): 132 - 142.
20. \_\_\_\_\_ 1941 Beiträge zur kenntnis der koniferen-läuse, vorkommend im nördlichen teil Japans. Bull. Hokkaido For. Exp. Sta. 33: 4 - 36.
21. \_\_\_\_\_ 1953 Monographische studie über die Japanischen koniferen-gallenläuse (Adelgidae). Bull. Hokkaido For. Exp. Sta. 15: 1 - 91.
22. \_\_\_\_\_ 1956 Beiträge zur kenntnis der koniferen-läuse, vorkommend im nördlichen teil Japans. Hokkaido Branch Govt. Forest Exp. Sta. Special Rept. 5: 204 - 238.
23. \_\_\_\_\_ 1962 Studies on scientific names of larch-infesting aphids. Bull. Govt. Forest Exp. Sta. 139: 135 - 161.
24. \_\_\_\_\_ 1962 \*On conifer aphids and their parasites. Nōyaku-no-Shimpo 8(4): 26 - 30.
25. \_\_\_\_\_ 1963 Eine neue Sacchiphantes-art von Adelgiden, schädlinge an Japanlärchen in Japan. Jour. Japan. Forestry Soc. 45(10): 340 - 344.
26. \_\_\_\_\_ 1963 On the monarch birch leaf aphid, *Mansakia betulina makabae* Inouye (new subspecies) in Japan. Technical Note 26: 16 - 20 (in Japanese).
27. Itō, Y. 1955 Notes on the host plants of three species of barley aphids. Jap. J. Ecol. 5(1): 10 - 14 (in Japanese).
28. \_\_\_\_\_ 1955 Host preference among barley aphids. Oyō-Dobutsugaku-Zasshi 20(4): 203 - 212 (in Japanese).
29. Kishida, K. 1924 \*Description of a new genus and a new species of Phylloxeridae, with special references to its biology. Zool. Mag. 36: 472 - 474.
30. Kōno, H. 1940 \*Notes on primary host plants of *Prociphilus orizens* Mordvilko. Oyō-Dōbutsugaku-Zasshi 12(3, 4): 149 - 150.
31. Kōno, H. & Inouye, M. 1938 Eine neue art von Aphididen, schädlich an Sachalintannen. Ins. Mats. 13(1): 41 - 43.
32. Kurisaki, M. 1920 \*Studies on some aphids. Zool. Mag. 32: 377 - 388.
33. \_\_\_\_\_ 1920 A new species and the variation of the wing vein of Aphididae in Japan. Insect World 24(9): 297 - 301 (in Japanese).
34. \_\_\_\_\_ 1920 On the hosts of Aphididae in Japan. Insect World 24(10): 340 - 341 (in Japanese).
35. Matsumura, S. 1917 A list of the Aphididae of Japan, with description of new species and new genera. Jour. Coll. Agr., Tohoku Imp. Univ. Sapporo 7(6): 351 - 414.
36. \_\_\_\_\_ 1917 Synopsis of the Pemphigidae. Essays Nawa : 39 - 94.

37. \_\_\_\_\_ 1918 New Aphididae of Japan. Trans. Sapporo Nat. Hist. Soc. 7(1): 1 - 22.
38. \_\_\_\_\_ 1919 New species and genera of Callipterinae (Aphididae) of Japan. Trans. Sapporo Nat. Hist. Soc. 7(2): 99 - 115.
39. Maxson, A. C. & Knowlton, G. F. 1937 A new Japanese Prociphilus (Aphidae). Ann. Ent. Soc. Amer. 30(1): 24 - 25.
40. Miyazaki, M. 1966 Description of a new species of the genus Dactynotus Rafinesque from Japan and other notes. Ins. Mats. 29(1): 37 - 40.
41. \_\_\_\_\_ 1968 Two new species of the genus Aulacorthum Mordvilko from Japan. Ins. Mats. 30(2): 125 - 128.
42. \_\_\_\_\_ 1968 On three aphids of Rosa rugosa occurring in Japan with description of a new species. Kontyû 36(3): 274 - 284.
43. \_\_\_\_\_ 1968 A revision of the fern aphids of Japan with descriptions of three new species. Ins. Mats. 31(3): 13 - 24.
44. Monzen, K. 1923 \*Notes on the woolly apple aphid, Schizoneura lanigera (Hausman). Morioka-Nôgei-kaihô 21: 1 - 20.
45. \_\_\_\_\_ 1926 The woolly apple aphid (Eriosoma lanigera Hausman) in Japan, with special reference to its life-history and the susceptibility of the host-plant. Internationaler Entomologen-Kongress 2: 249 - 275.
46. \_\_\_\_\_ 1927 New gall producing aphids at Morioka. Bull. Sci. Res. Alumni Asso. Morioka Coll. Agr. Forestry 4: 1 - 24 (in Japanese).
47. \_\_\_\_\_ 1927 \*Studies on the resistibility of the woolly apple aphid, Eriosoma lanigerum (Hausman). Rept. Japan Asso. for Advance Sci. 3: 379 - 393.
48. \_\_\_\_\_ 1929 Studies on some gall producing aphids and their galls. Saito Ho-on Kai Monog. 1: 1 - 80.
49. \_\_\_\_\_ 1929 \*Studies on insect galls. Ann. Rept. Saito Ho-on Kai 5: 299 - 368.
50. \_\_\_\_\_ 1930 \*Studies on insect galls. Ann. Rept. Saito Ho-on Kai 6: 270 - 288.
51. \_\_\_\_\_ 1934 Some contributions to the knowledges of the new and recorded species of the gall producing aphids. Bull. Sci. Res. Alumni Asso. Morioka Coll. Agr. Forestry 9: 13 - 34.
52. \_\_\_\_\_ 1954 Revision of some Japanese Hormaphidinae (Aphididae), with the descriptions of new genus and species. Ann. Rept. Gakugei Fac. Iwate Univ. 7(2): 46 - 60.
53. Moritsu, M. 1944 An unknown host-plant of the grain aphid, Macrosiphum granarium (Kirby). Mushi 16(2): 5 - 6.
54. \_\_\_\_\_ 1945 Notes on strawberry aphids in Japan. Mushi 16(3): 7 - 10 (in Japanese).
55. \_\_\_\_\_ 1946 \*Notes on Shinjia pteridifoliae Shinji. Matsumushi 1(2): 94 - 96.
56. \_\_\_\_\_ 1947 Four gall-forming aphids on cherry trees in Japan. Mushi 18(6): 39 - 48.
57. \_\_\_\_\_ 1948 Injurious aphids in Japan. 1. Aphids of Potatoes. Mushi 18(11): 67 - 75 (in Japanese).
58. \_\_\_\_\_ 1948 The genus Megoura Buckton in Japan, with a note on the variation of the external characters in Megoura viciae japonica (Matsumura). Mushi 18(13): 83 - 88.
59. \_\_\_\_\_ 1949 Descriptions of two new or a little known species of root-aphids from Japan. Ins. Mats. 17(1): 11 - 16.
60. \_\_\_\_\_ 1949 The genus Macrosiphoniella del Guercio in Japan. Mushi 19(11): 53 - 63.
61. \_\_\_\_\_ 1950 Notes on two Elaeagnus-aphids in Japan. Bull. Fac. Agr. Yamaguchi Univ. 1: 1-6.
62. \_\_\_\_\_ 1950 \*Notes on Aulacorthum pelargonii (Kalt.) and A. solani (Kalt.). Bull. Fac. Agr. Yamaguchi Univ. 1: 7 - 10.
63. \_\_\_\_\_ 1952 The fern aphids in Japan. Bull. Fac. Agr. Yamaguchi Univ. 2: 26 - 28.
64. \_\_\_\_\_ 1953 Some interesting aphids living upon the Quercus. Bull. Fac. Agr. Yamaguchi Univ. 4: 1 - 12.
65. \_\_\_\_\_ 1954 Food-plant list of injurious Japanese aphids in East Asia. Bull. Fac. Agr. Yamaguchi Univ. 5: 135 - 148.
66. \_\_\_\_\_ 1954 Observations on the seasonal abundance of Aphis gossypii Glover on egg-plants in Japan. Mushi 27(9): 59 - 68.
67. \_\_\_\_\_ 1955 A little known species of aphid from Japan. Bull. Fac. Agr. Yamaguchi Univ. 6:

75 - 80.

68. \_\_\_\_\_ 1956 Notes on the galls of cherry aphids. Bull. Fac. Agr. Yamaguchi Univ. 7: 293 - 294.
69. \_\_\_\_\_ 1957 The genus *Matsumuraja* Schumacher in Japan, with a description of the Stem-mother of *M. rubifoliae* (Takahashi). Bull. Fac. Agr. Yamaguchi Univ. 8: 633 - 636.
70. \_\_\_\_\_ 1958 Aphididae of Mt. Hikosan, Kyushu. Mushi 31(10): 79 - 86.
71. \_\_\_\_\_ 1958 An unknown species of bulb aphid from Japan. Bull. Fac. Agr. Yamaguchi Univ. 9: 923 - 926.
72. \_\_\_\_\_ 1959 The observations on the oviposition of some aphids. Bull. Fac. Agr. Yamaguchi Univ. 10: 1219 - 1224 (in Japanese).
73. \_\_\_\_\_ 1960 Bisexual forms of the strawberry aphid, *Aphis forbesi* Weed. Bull. Fac. Agr. Yamaguchi Univ. 11: 35 - 38.
74. \_\_\_\_\_ 1965 The citrus aphids in Japan. Bull. Fac. Agr. Yamaguchi Univ. 16: 623 - 633.
75. Okajima, G. 1908 Contributions to the study of Japanese Aphididae. Bull. Coll. Agr., Tokyo Imp. Univ. 8(1): 1 - 8.
76. Pergande, T. 1909 Description of two new genera and three new species of Aphididae. Ent. News 17: 205 - 210.
77. Sakai, S. 1949 \*Study on the relation between soy bean varieties and multiplication of soybean aphids. *Oyô-Kontyû* 5(3): 125 - 126.
78. Sasaki, C. 1899 \*The insect pests of crops in Japan. Tokyo, 1 - 520 pp.
79. \_\_\_\_\_ 1904 \*Description of a new species of *Tetraneura*, with special references to its biology. Zool. Mag. 16: 403 - 405.
80. Shibata, B. 1955 Ecological studies of plant lice (IX), with special reference to the ecological cycle. Bull. Coll. Agr. Utsunomiya Univ. 3(1): 1 - 8 (in Japanese).
81. Shibata, K. 1964 \*A new primary host plant of *Myzus persicae* (Sulzer). *Kontyû* 32(3): 406.
82. Shinji, O. 1922 \*New species of Japanese Aphididae. Zool. Mag. 34(405): 531 - 534.
83. \_\_\_\_\_ 1922 \*New genera and species of Japanese Aphididae. Zool. Mag. 34(406): 729 - 732.
84. \_\_\_\_\_ 1922 \*New genera and species of Japanese Aphididae. Zool. Mag. 34(407): 787 - 800.
85. \_\_\_\_\_ 1923 \*New aphids from Saitama and Morioka. Zool. Mag. 35(417): 301 - 309.
86. \_\_\_\_\_ 1924 \*New aphids from Morioka. Zool. Mag. 36(431): 343 - 372.
87. \_\_\_\_\_ 1926 \*Description of a new species of *Thoracaphis*. Zool. Mag. 38(457): 359 - 361.
88. \_\_\_\_\_ 1927 Studies on the germ cells of aphids. Bull. Morioka Imp. Coll. Agr. Forestry 11: 1 - 121.
89. \_\_\_\_\_ 1928 \*Three new aphids from Morioka. Zool. Mag. 40(474): 153 - 155.
90. \_\_\_\_\_ 1929 Four new genera of Aphididae from Morioka, Japan. *Lansania* 1(3): 39 - 48.
91. \_\_\_\_\_ 1930 \*Notes on four new genera of Aphididae. Rept. Japan Asso. for Advance Sci. 5: 187 - 191.
92. \_\_\_\_\_ 1930 On two species of Japanese Aphididae. *Lansania* 2(12): 26 - 29.
93. \_\_\_\_\_ 1930 A new record of Aphididae for Japan. *Lansania* 2(13): 48.
94. \_\_\_\_\_ 1930 Another new genus of the family Aphididae. *Lansania* 2(15): 78 - 80.
95. \_\_\_\_\_ 1930 *Illinoia kerriae* new species of the family Aphididae. *Lansania* 2(19): 137 - 140.
96. \_\_\_\_\_ 1930 Some new aphids from north eastern Japan. *Lansania* 2(20): 151 - 160.
97. \_\_\_\_\_ 1930 *Myzus inuzakurae*, a new Aphidid. *Lansania* 2(19): 141 - 144.
98. \_\_\_\_\_ 1932 \*Secondary host plants of some Japanese aphids with special references to the biology of *Anuraphis piriicola* Okamoto & Takahashi and descriptions of 2 new aphid genera. *Oyô-Dôbutsugaku-Zasshi* 4(3): 118 - 124.
99. \_\_\_\_\_ 1933 A new species of *Chromaphis* from the north-eastern region of Japan. *Kontyû* 7 (5, 6): 210 - 211 (in Japanese).
100. \_\_\_\_\_ 1933 A key for distinguishing the Japanese *Macrosiphoniella* with the descriptions of two new species. *Kontyû* 7(5, 6): 212 - 218 (in Japanese).
101. \_\_\_\_\_ 1933 Notes on the Japanese *Therioaphis* with the descriptions of new species. *Kontyû* 7(4): 162 - 166 (in Japanese).
102. \_\_\_\_\_ 1933 Notes on the Japanese *Yamatocallis* with the description of a new species. *Kontyû* 7(4): 158 - 161 (in Japanese).
103. \_\_\_\_\_ 1933 Notes on the Japanese *Phyllaphis*. *Kontyû* 7(4): 153 - 157 (in Japanese).

104. \_\_\_\_\_ 1933 \*Three new species of Amphorophora. Zool. Mag. 45(538): 347 - 351.
105. \_\_\_\_\_ 1933 \*A list of the Japanese species of Rhopalosiphoninus with references to their distribution. Zool. Mag. 45(538): 363 - 365.
106. \_\_\_\_\_ 1935 \*A key for distinguishing the Japanese Agrioaphis with descriptions of three new species. Oyô-Dôbutsugaku-Zasshi 7(6): 281 - 287.
107. \_\_\_\_\_ 1935 \*A key for distinguishing the Japanese Myzus with description of a new species. Kontyû 9(5): 233 - 238.
108. \_\_\_\_\_ 1935 \*A key for distinguishing the Japanese Macrosiphum with description of a new species. Kontyû 9(5): 239 - 243.
109. \_\_\_\_\_ 1935 \*A key for distinguishing the Japanese Acyrthosiphon with description of a new species. Kontyû 9(5): 249 - 253.
110. \_\_\_\_\_ 1935 \*On the migration of a cherry aphid, Phorodon sakurae (Matsumura). Oyô-Dôbutsugaku-Zasshi 7(6): 291 - 293.
111. \_\_\_\_\_ 1935 \*A list of Hemiptera from Iwate Prefecture. 1. Aphididae (part 1). Iwate Mushi-no-kai Kaihō 1(1): 7 - 16.
112. \_\_\_\_\_ 1935 \*A key for distinguishing the Japanese Aphis with description of a new species. Zool. Mag. 47(565): 737 - 741.
113. \_\_\_\_\_ 1936 A new species of Eriosoma from Japan. Zool. Mag. 48(1): 13 - 14 (in Japanese).
114. \_\_\_\_\_ 1936 \*A new species of Astegopteryx from Japan. Zool. Mag. 48(2): 45 - 48.
115. \_\_\_\_\_ 1938 A new Myzus from north-eastern Japan. Zool. Mag. 50(2): 108 - 110.
116. \_\_\_\_\_ 1939 A new species of Japanese Macrosiphum. Kontyû Kenkyû 3(1): 1 - 3 (in Japanese).
117. \_\_\_\_\_ 1939 A list of Japanese Amphorophora with the descriptions of two new species. Kontyû Kenkyû 3(1): 12 - 17 (in Japanese).
118. \_\_\_\_\_ 1939 Two new species of Japanese Aphididae. Kontyû 13(1): 39 - 41.
119. \_\_\_\_\_ 1941 Monograph of Japanese Aphididae. Tokyo, 1 - 1215 pp. (in Japanese).
120. \_\_\_\_\_ 1942 A new species of Macrosiphoniella from Tokyo, Japan. Insect World 46(11): 322-324 (in Japanese).
121. \_\_\_\_\_ 1942 3 new species of Macrosiphum from Tokyo. Insect World 46(9): 258 - 262 (in Japanese).
122. \_\_\_\_\_ 1942 A new genus and species of Aphididae. Insect World 46(8): 228 - 230 (in Japanese).
123. \_\_\_\_\_ 1942 \*On a new species of Hyadaphis (Hemipt.) from Japan. Insect World 46(10): 290 - 292.
124. \_\_\_\_\_ 1943 \*Description of a new species of Phylloxera. Insect World 47(1): 2 - 3.
125. \_\_\_\_\_ 1943 A new Myzus (Hemipt.) from Karuizawa, Japan. Insect World 47(2): 34 - 35 (in Japanese).
126. \_\_\_\_\_ 1943 A new species of Prociphilus (Hemipt.) from Japan. Insect World 47(3): 64 - 65 (in Japanese).
127. \_\_\_\_\_ 1944 \*Insect galls and gall insects. Tokyo, 1 - 580 pp.
128. Sorin, M. 1958 Life cycles of 2 aphids causing galls on Distylium racemosum. Akitu 7: 89 - 92 (in Japanese).
129. \_\_\_\_\_ 1958 \*Notes on Myzus persicae (Sulzer) on primary host plants. Kansai Byôchûgai-kenkyû Kaihō 1: 54 - 60.
130. \_\_\_\_\_ 1959 \*Some observations on the biology of Myzus persicae (Sulzer). Kansai Byôchûgai-kenkyû Kaihō 2: 1 - 7.
131. \_\_\_\_\_ 1960 Life history of the aphid, Paratrachosiphum tattakanum Takahashi. Akitu 9: 13-16 (in Japanese).
132. \_\_\_\_\_ 1960 Life cycles of two aphids causing galls on Distylium racemosum. Ins. Ecol. 8(3): 105 - 110 (in Japanese).
133. \_\_\_\_\_ 1960 Insertion of stylets of aphids and plant tissues. Jap. J. appl. Ent. Zool. 4(1): 38 - 44 (in Japanese).
134. \_\_\_\_\_ 1961 On the immature stages of Atarsaphis quercus Takahashi. Akitu 10: 15 - 19 (in Japanese).
135. \_\_\_\_\_ 1961 Some observations on the bionomics of Aphis craccivora Koch. Kenkyû-to-Shiryô 7: 1 - 9 (in Japanese).



136. \_\_\_\_\_ 1961 The mouth parts of *Aphis craccivora* Koch and the penetration of stylets into host plants. *Jap. J. app. Ent. Zool.* 5(4): 217 - 224 (in Japanese).
137. \_\_\_\_\_ 1962 Notes on the aphid, *Shinjia pteridifoliae* Shinji. *Kontyû* 30(1): 21 - 26 (in Japanese).
138. \_\_\_\_\_ 1962 Notes on the aphid, *Mindarus japonicus* Takahashi. *Kontyû* 30(2): 119 - 125 (in Japanese).
139. \_\_\_\_\_ 1962 The life history of *Melanaphis bambusae* (Fullaway), and the penetration of stylets into host plants. *Kontyû* 30(4): 221 - 229 (in Japanese).
140. \_\_\_\_\_ 1965 Three new species of the genus *Stomaphis* in Japan, with a redescription of *S. yanonis* Takahashi. *Bull. Univ. Osaka Pref. Ser. B*, 16: 81 - 88.
141. \_\_\_\_\_ 1967 A new species of *Staticobium* from the Loochoos. *Kontyû* 35(1): 14 - 16.
142. Suenaga, H. 1933 Eine neue gattung und art von Aphididen aus Japan. *Kontyû* 7(5, 6): 249 - 252.
143. \_\_\_\_\_ 1934 A new Akkaia (Aphididae) from Japan. *Trans. Kagoshima Imp. Coll. Agric. Forestry* 4(13): 11 - 13 (in Japanese).
144. \_\_\_\_\_ 1934 Die Greenideinen-blattläuse Japans (Hemipt., Aphididae). *Bull. Kagoshima Imp. Coll. Agric. Forestry, Dedicated to the twenty-fifth anniversary* 1: 789 - 804.
145. \_\_\_\_\_ 1937 \*Notes on the rice root aphids. *Jap. Jour. Appl. Zool.* 9(3, 4): 150 - 152.
146. \_\_\_\_\_ 1943 \*Aphids attacking potatoes. *Bot. and Zool.* 11(5): 379 - 382.
147. Takahashi, R. 1918 \*Notes on three species of Aphididae. *Zool. Mag.* 30(359): 368 - 376.
148. \_\_\_\_\_ 1918 \*Description of a new aphid producing the alate oviparous female in summer. *Zool. Mag.* 30(361): 458 - 461.
149. \_\_\_\_\_ 1919 \*Studies on *Chaitophorinella* I - III. *Zool. Mag.* 31(370): 245 - 247; *Ibid.* 31(371): 273 - 278; *Ibid.* 31(372): 323 - 329.
150. \_\_\_\_\_ 1919 \*On some subaquatic Aphididae, with description of one new genus and species. *Insect World* 23(12): 439 - 442.
151. \_\_\_\_\_ 1919 \*Biology of six aphids. *Trans. Sapporo Nat. Hist. Soc.* 7: 194 - 201.
152. \_\_\_\_\_ 1919 Notes on some Japanese Aphididae. *Proc. Ent. Soc. Washington* 21: 173 - 176.
153. \_\_\_\_\_ 1920 A new genus and species of aphid from Japan (Hemiptera). *Canad. Ent.* 52: 19 - 20.
154. \_\_\_\_\_ 1920 Two new species of Aphididae from Japan. *Canad. Ent.* 52: 77 - 78.
155. \_\_\_\_\_ 1921 Japanese Aphididae I (published by the author). : 1 - 30 (in Japanese).
156. \_\_\_\_\_ 1923 The life cycle and the emergence of the alate form of aphids. *Zool. Mag.* 35: 217 - 225 (in Japanese).
157. \_\_\_\_\_ 1924 Some Aphididae from the far east. *Philippine J. Sci.* 24: 711 - 717.
158. \_\_\_\_\_ 1924 Aphididae of Formosa III. *Dept. Agr. Govt. Res. Inst. Formosa* 10: 1 - 121.
159. \_\_\_\_\_ 1926 The aphids of *Myzocallis* infesting bamboo. *Proc. Ent. Soc. Washington* 28: 159 - 162.
160. \_\_\_\_\_ 1930 \*The rate of species to genera in aphids. *Zool. Mag.* 42(506): 474 - 478.
161. \_\_\_\_\_ 1930 Some Aphididae of Loochoo. *Trans. Nat. Hist. Soc. Formosa* 20(111): 317 - 327.
162. \_\_\_\_\_ 1930 List of the aphid genera proposed as new in recent years. *Proc. Ent. Soc. Washington* 32: 1 - 24.
163. \_\_\_\_\_ 1933 Some Aphididae from Tsushima. *Mushi* 6: 51 - 52.
164. \_\_\_\_\_ 1934 \*Aphididae of the Oki islands. *Fukuoka Hakubutsugaku Zasshi* 1(3): 243 - 247.
165. \_\_\_\_\_ 1934 A new aphid of the genus *Astegopteryx* Karsch. *Mushi* 7: 68 - 73.
166. \_\_\_\_\_ 1935 \*Aphididae of the Fukue islands. *Mushi* 8: 116.
167. \_\_\_\_\_ 1937 Some oriental Aphididae, 2. *Konowia* 16: 90 - 96.
168. \_\_\_\_\_ 1937 Aphididae of the Danjo islands. *Trans. Biogeographical Soc. Japan* 2(1): 31 (in Japanese).
169. \_\_\_\_\_ 1939 Some Aphididae from Hokkaido (Hemipt.). *Ins. Mats.* 13(4): 114 - 128.
170. \_\_\_\_\_ 1957 Two new genera and species of Aphididae from Japan. *Proc. R. ent. Soc. London* 26(7, 8): 107 - 112.
171. \_\_\_\_\_ 1958 Species of aphids causing galls on *Distylium racemosum* in Japan. *Akitu* 7(4): 87 - 88 (in Japanese).
172. \_\_\_\_\_ 1958 Three new genera of Aphididae from Japan (Homopt.). *Kontyû* 26(4): 181 - 186.

173. \_\_\_\_\_ 1958 On the aphids of *Ceratovacuna* in Japan (Aphid., Homopt.). *Kontyû* 26(4): 187 - 190.
174. \_\_\_\_\_ 1958 *Thoracaphis* and some related new genera of Japan (Aphid., Homopt.). *Ins. Mats.* 22(1, 2): 7 - 14.
175. \_\_\_\_\_ 1958 Two new genera of Aphididae from *Quercus* in Japan (Homopt.). *Bull. Univ. Osaka Pref. B.* 8: 1 - 7.
176. \_\_\_\_\_ 1959 On the aphid, *Matsumuraja rubifoliae* Takahashi (Homopt.: Aphid.). *Trans. Shikoku Ent. Soc.* 6(4): 55 - 58.
177. \_\_\_\_\_ 1959 *Nipponaphis* from the trees of Lauraceae in Japan (Aphid., Homopt.). *Akitu* 8(3): 47 - 49.
178. \_\_\_\_\_ 1959 Some aphids related to *Nipponaphis Pergande* in Japan (Homopt.). *Bull. Univ. Osaka Pref. B* 9: 1 - 8.
179. \_\_\_\_\_ 1960 Three new genera closely related to *Phyllaphis* in Japan. *Kontyû* 28(1): 10 - 15.
180. \_\_\_\_\_ 1960 Four new genera of Aphididae from Japan. *Kontyû* 28(4): 223 - 229.
181. \_\_\_\_\_ 1960 *Kurisakia* and *Aiceona* of Japan (Homopt., Aphid.). *Ins. Mats.* 23(1): 1 - 10.
182. \_\_\_\_\_ 1960 *Stomaphis* of Japan. *Bull. Univ. Osaka Pref. B* 10: 1 - 8.
183. \_\_\_\_\_ 1960 *Elatobium* of Japan (Aphid., Homopt.). *Akitu* 9(2): 37 - 39.
184. \_\_\_\_\_ 1961 Four new species of Callipterinae from Japan (Aphid., Homopt.). *Mushi* 35(2): 3 - 9.
185. \_\_\_\_\_ 1961 Three new genera and five new and little known species of Aphididae from Japan (Homopt.). *Kontyû* 29(4): 247 - 254.
186. \_\_\_\_\_ 1961 *Neochromaphis* of Japan (Aphid., Homopt.). *Akitu* 10(1, 2): 12 - 14.
187. \_\_\_\_\_ 1961 Some species of *Capitophorus* of Japan (Homopt.: Aphid.). *Trans. Shikoku Ent. Soc.* 7(1, 2): 1 - 4.
188. \_\_\_\_\_ 1961 A new genus and four new species of Aphidinae from Japan (Aphid., Homopt.). *Ins. Mats.* 24(2): 104 - 111.
189. \_\_\_\_\_ 1961 The aphid genus *Akkaia* of Japan (Homopt.). *Pub., Ent. Lab., Univ. Osaka Pref.* 6: 11 - 14.
190. \_\_\_\_\_ 1961 Three new genera of the subfamily Aphidinae from Japan (Aphid., Homopt.). *Bull. Univ. Osaka Pref. B* 11: 1 - 10.
191. \_\_\_\_\_ 1961 *Cavariella* of Japan. *Bull. Univ. Osaka Pref. B* 12: 1 - 11.
192. \_\_\_\_\_ 1962 Key to Japanese species of *Dactynotus*, with descriptions of four new species (Aphid., Homopt.). *Kontyû* 30(2): 73 - 81.
193. \_\_\_\_\_ 1962 Key to genera and species of Greenideini of Japan, with descriptions of a new genus and three species (Homopt.: Aphid.). *Trans. Shikoku Ent. Soc.* 7(3): 65 - 73.
194. \_\_\_\_\_ 1962 Aphids causing galls on *Distylium racemosum* in Japan, with descriptions of two new related species. *Bull. Univ. Osaka Pref. B* 13: 1 - 11.
195. \_\_\_\_\_ 1963 *Eumyzus*, *Paramyzus*, *Macromyzus*, *Sitomyzus*, *Micromyzus*, and *Micromyzodium* of Japan (Homopt.: Aphid.). *Ins. Mats.* 26(1): 55 - 63.
196. \_\_\_\_\_ 1963 Two new genera and five new or little known species of Aphididae from Japan (Homopt.). *Kontyû* 31(3): 159 - 168.
197. \_\_\_\_\_ 1964 *Macrosiphum* of Japan (Aphid.). *Kontyû* 32(3): 353 - 359.
198. \_\_\_\_\_ 1965 *Myzus* of Japan. *Mushi* 38(9): 43 - 78.
199. \_\_\_\_\_ 1965 Some species of *Aulacorthum* of Japan. *Ins. Mats.* 27(2): 99 - 113.
200. \_\_\_\_\_ 1965 Some new and little-known Aphididae from Japan. *Ins. Mats.* 28(1): 19 - 61.
201. \_\_\_\_\_ 1966 Descriptions of some new and little known species of Aphididae of Japan, with key to species. *Trans. Amer. Ent. Soc.* 92: 519 - 556.
202. Takahashi, R. & Moritsu, M. 1963 Key to Japanese species of *Macrosiphoniella*, with descriptions of four species from Japan and Formosa (Aphid., Homopt.). *Mushi* 37(1): 1 - 11.
203. Takahashi, R. & Sorin, M. 1957 Notes on the sexual forms of the aphid, *Paratrichosiphum kashicola* (Kurisaki). *Kontyû* 25(2): 53 - 55.
204. \_\_\_\_\_ 1958 Notes on the aphids of *Aleurodaphis* in Japan (Homopt.). *Akitu* 7(2): 31 - 32.
205. \_\_\_\_\_ 1959 Biology of the aphid, *Paratrichosiphum kashicola* (Kurisaki)

- (Aphid., Homopt.). *Ins. Ecol.* 7(3): 129 - 132 (in Japanese).
206. \_\_\_\_\_ 1961 \*Biology of *Myzus persicae* (Sulzer) in Osaka. Osaka-fu Nōrin-bu Chikusan-ka Chōsa-kenkyū Hōkoku 2: 11 - 27.
207. \_\_\_\_\_ 1965 Matsumuraja of Japan (Aphid., Homopt.). *Bull. Univ. Osaka Pref.* B 17: 51 - 57.
208. Tanaka, T. 1957 Taxonomy and distribution of some subterranean aphids injurious to the upland-rice in Japan with description of a new species. *Botyu-Kagaku* 22: 168 - 176 (in Japanese).
209. \_\_\_\_\_ 1961 The rice root aphids, their ecology and control. *Spec. Bull. Coll. Agric. Utsunomiya Univ.* 10: 1 - 83 (in Japanese).
210. Tao, C. C. 1964 Some new and unrecorded aphids from Ryukyu islands. *Q. Jour. Taiwan Mus.* 17(3, 4): 227 - 236.
211. Uye, T. 1923 \*New species of Japanese Aphididae. *Insect World* 27(1): 3 - 5.
212. \_\_\_\_\_ 1924 \*Notes on three species of Pemphigidae from Kyushu. *Insect World* 28(1): 14 - 15; *Ibid.* 28(3): 92 - 94; *Ibid.* 28(4): 127 - 128.
213. \_\_\_\_\_ 1924 \*New species of Aphididae and Pemphigidae. *Insect World* 28(12): 408 - 411.
214. \_\_\_\_\_ 1925 \*The morphology and the life history of *Vesiculaphis caricis* (Fullaway). *Insect World* 29(8): 254 - 260.

Addendum

215. Miyazaki, M. 1968 A new species of the genus *Moritziella* Börner from Japan. *Kontyū* 36(4): 400 - 402.