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THE APHIDS (HOMOPTERA: APHIDIDAE) OF BRITISH COLUMBIA 6. FURTHER ADDITIONS¹

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ABSTRACT

Twenty-four species of aphids and new host records are added to the taxonomic list of the aphids of British Columbia.

INTRODUCTION

Three previous lists of the aphids of British Columbia (Forbes, Frazer and MacCarthy 1973; Forbes, Frazer and Chan 1974; Forbes and Chan 1976) recorded 285 species, but with the deletion of 7 synonyms² (Eastop and Hille Ris Lambers 1976) the number becomes 278. This includes aphids collected from 421 hosts³ or in traps and comprises 792 aphid-host plant associations³.

The present list adds 24 species of aphids (indicated with an asterisk in the list) and 172 aphid-host plant associations to the previous lists. Ninety-three of the new aphid-host plant associations are plant species not in the previous lists. The additions bring the number of known aphid species in British Columbia to

302. Aphids have now been collected from 514 different host plants and the total number of aphid-host plant associations is 964.

As in the previous lists, the aphids are arranged alphabetically by species. All names are in accordance with Eastop and Hille Ris Lambers (1976). The location of each collection site can be determined from Table 1 or from tables of localities in the previous paper. The reference points are the same as those shown on the map which accompanies the basic list.

¹*Aulacorthum clavicornis* Richards,
Aulacorthum scabrosum Richards,
Cavariella umbellatarum (Koch),
Masonaphis pseudomorrisoni MacGillivray,
Rhopalosiphum fitchii (Sanderson),
Sitomyzus columbiae Richards,
Thelaxes albipes Richards.

²*Quercus borealis* and *Philadelphus lewisii* var. *gordonianus* of earlier lists being deleted as synonyms, based on Hortus Third.

³Contribution No. 417, Research Station, 6660 N.W. Marine Drive, Vancouver, British Columbia, V6T 1X2.

TABLE 1. Localities where aphids were collected, with airline distances from reference points.

Locality	Reference Point	Dir.	Distance	
			km	mi
Botanie Valley	Kamloops	SW	94	59
Colwood	Victoria	W	16	10
Harrison Lake	Vancouver	NE	114	71
Naramata	Kelowna	S	32	20
Peachland	Kelowna	SW	22	14
Port Coquitlam	Vancouver	E	37	23
Port Washington	Victoria	N	45	28
Silver Lake	Kelowna	W	53	33
Tulameen	Kelowna	SW	102	64
White Rock	Vancouver	SE	37	23
Yarrow	Vancouver	SE	92	58

LIST OF SPECIES

- *ADIANTI (Oestlund), SITOBION
Athyrium filix-femina: Vancouver, May 2/58.
Polystichum munitum: North Vancouver, May 17/73; Vancouver, Apr 27/63, May 2/58, May 19/58; Vancouver (UBC), Jan 23/76, Feb 17/76, Mar 29/74, Apr 22/74, Apr 30/75, May 21/74, May 23/75.
- *AFFINIS (Kaltenbach), THECABIUS
Ranunculus occidentalis: Vancouver, Dec 15/76, Dec 31/76.
- AGATHONICA Hottes, AMPHOROPHORA
Rubus idaeus: Abbotsford, Aug 2/74; North Vancouver, Jun 18/74; Vancouver, Jun 22/75; Yarrow, Aug 2/74.
- ALNI (de Geer), PTEROCALLIS
Alnus rubra: Vancouver (UBC), May 12/76, May 18/76.
Rosa sp: Pemberton, Jul 16/76.
- ALNIFOLIAE (Williams), PROCIPHILUS
Amelanchier alnifolia: Peachland, May 21/76.
- AQUILEGIAE (Essig), KAKIMIA
Aquilegia alpina: Vancouver (UBC), Jun 28/76.
Aquilegia formosa: Vancouver (UBC), Aug 13/76.
- ASCALONICUS Doncaster, MYZUS
Anemone pulsatilla: Vancouver (UBC), Aug 13/76.
Bellis perennis: Vancouver (UBC), Feb 8/77, Jul 14/76.
Cerastium fontanum ssp *triviale*: Vancouver (UBC), Dec 15/76.
Claytonia sibirica var *sibirica*: Vancouver (UBC), Feb 8/77.
Mecanopsis betonicifolia: Vancouver (UBC), Jun 28/76.
Myosotis arvensis: Vancouver, May 17/76.
Phlox paniculata: Vancouver (UBC), May 1/58.
Ranunculus occidentalis: Vancouver, Dec 31/76.
Stellaria media: Vancouver (UBC), Jul 10/75.
Viburnum x bodnantense: Vancouver (UBC), May 23/76.
- *AUDENI MacDougall, MACROSIPHUM
Nuphar lutea ssp *polysepala*: Merritt, /24. (MacDougall 1926).
- BERBERIDIS (Kaltenbach), LIOSOMAPHIS
Berberis verruculosa: Vancouver (UBC), May 20/76.
- BICOLOR (Oestlund), PTEROCOMMA
Populus nigra 'Italica': Vancouver (UBC), May 3/74.
- *BISENSORIATUM MacDougall, MACROSIPHUM
Ribes lacustre: Boundary Bay, Jul /24. (MacDougall 1926), Aug /24. (MacDougall 1926).
- BRASSICAE (Linnaeus), BREVICORYNE
Brassica pekinensis: Richmond, Aug 20/76.
Brassica rapa var *lorifolia*: Richmond, Aug 20/76.
- CALIFORNICA (Davidson), THELAXES
Quercus garryana: Colwood, May 9/76.
- CALIFORNICUM (Clarke), MACROSIPHUM
Salix scouleriana: Vancouver (UBC), Jun 13/75.
- *CALLIPTERUS (Hartig), CALLIPTERINELLA
Betula pendula 'Dalecarlica': Vancouver, May 26/76.
- CAPILANOENSE Robinson, AULACORTHUM
Polystichum munitum: Vancouver, May 2/58.
Rubus spectabilis: Vancouver (UBC), Apr 30/76, May 14/76, Jul 14/76.
- CARAGANAE (Cholodkovsky), ACYRTHOSIPHON
Caragana arborescens: Vancouver (UBC), Oct 6/75.
Colutea melanocalyx: Vancouver (UBC), Aug 4/76.
- CARDUI (Linnaeus), BRACHYCAUDUS
Cirsium arvense: Summerland, Jul 3/76.
Rhus sp: Vancouver (UBC), Jun 1/76.
- *CARICIS (Glendenning), SITOBION
Carex sp: Agassiz, Aug /26. (Glendenning 1926).
- CERASI (Fabricius), MYZUS
Galium mollugo: Vancouver, Jul 21/76.
Liriodendron tulipifera: Vancouver (UBC), Oct. 6/75.
Prunus emarginata: Vancouver (UBC), Jun 7/75.
Prunus 'Royal Anne': Vancouver (UBC), Sep 23/76.
Prunus serrulata 'Kwanzan': Vancouver (UBC), Jun 24/75.
- CERASIFOLIAE (Fitch), RHOPALOSIPHUM
Prunus virginiana: Lumby, Jul 14/76; Summerland, Jun 14/76.
- CIRCUMFLEXUM (Buckton), AULACORTHUM
Papaver orientale: Vancouver, Jul 20/58.
- CIRSII (Linnaeus), UROLEUCON
Cirsium arvense: Summerland, Jul 3/76.
- *CITRICOLA van der Goot, APHIS
Calycanthus fertilis: Vancouver (UBC), Jul 20/76.
Stranvaesia davidiana: Vancouver (UBC), Jul 30/76.
- COLUMBIAE Richards, TUBERCULATUS
Quercus garryana: Colwood, May 9/76.
- CORNI (Fabricius), ANOECIA
Cornus alba 'Sibirica': Vancouver (UBC), Sep 22/75.

- Cornus nuttallii*: Vancouver (UBC), Oct 6/75.
Cornus purpusii: Vancouver (UBC), Sep 22/75, Sep 25/75.
Cornus sanguinea: Vancouver (UBC), Oct 6/75.
Cornus sericea: Peachland, May 21/75; Vancouver (UBC), Nov 7/75.
- COWENI (Cockerell), TAMALIA
Arctostaphylos uva-ursi: Vancouver (UBC), Jun 24/76, Jul 18/76, Aug 25/76, Sept 9/76.
- *CRACCAE Linnaeus, APHIS
 Moericke yellow pan water trap: Penticton, Jun 30/75.
- CURVIPES (Patch), CINARA
Abies grandis: Vancouver (UBC), May 18/76.
- DIRRHODUM (Walker), METOPOLOPHIUM
Rosa sp: Pemberton, Jul 16/76.
- DORSATUM (Richards), SITOBION
Gaultheria shallon: Vancouver (UBC), Jul 27/76.
- EPILOBII Kaltenbach, APHIS
Epilobium ciliatum: Vancouver, May 25/76.
- ERIPHORI (Walker), CERURAPHIS
Viburnum opulus ssp *trilobum*: Vancouver (UBC), Oct 6/75.
Viburnum x bodnantense: Vancouver (UBC), Jun 1/76.
- ERYSIMI (Kaltenbach), LIPAPHIS
Brassica rapa ssp *campestris*: Abbotsford, Jul 5/76; Vancouver, Jul 27/76.
- EUPHORBIAE (Thomas), MACROSIPHUM
Balsamorhiza sagittata: Penticton, May 23/76.
Brassica rapa ssp *campestris*: Vancouver, Jul 27/76.
Callistephus chinensis: Vancouver, Jun 16/76.
Cornus sericea: Vancouver (UBC), Nov 7/75.
Daphne cneorum: Vancouver (UBC), May 19/76, May 25/76.
Daphne laureola: Vancouver (UBC), May 19/76, Jun 28/76.
Hibiscus rosa-sinensis: Vancouver (CDA), Aug 17/76.
Hieracium aurantiacum: Vancouver (UBC), Aug 23/76.
Hosta sieboldiana: Vancouver (UBC), Aug 16/76.
Incarvillea mairei var *grandiflora*: Vancouver (UBC), Jun 28/76.
Jacaranda acutifolia: Port Coquitlam, Aug 22/76.
Liriodendron tulipifera: Vancouver (UBC), Jul 22/75, Aug 9/76, Oct 6/75.
Myosotis arvensis: Vancouver, May 25/76.
Nothofagus antarctica: Vancouver (UBC), Jun 11/76.
Oemleria cerasiformis: Vancouver, Apr 27/73.
Photinia x fraseri: Vancouver (UBC), Jul 29/76.
- Rubus spectabilis*: Vancouver (UBC), May 14/76.
Solanum tuberosum: Quesnel, Jul 21/76.
Symphoricarpos albus: Vancouver, Jul 21/76.
Yucca filamentosa: Vancouver, Aug 15/74.
- FABAE Scopoli APHIS
Arctostaphylos uva-ursi: Vancouver (UBC), Sep 9/76, Sep 23/75.
Beta vulgaris: Brentwood, Jul 5/59; Ladner, Aug 27/58.
Calendula officinalis: Vancouver, Aug 12/76.
Crocsmia x crocosmiiflora: Vancouver, Aug 12/76.
Ficus carica: Vancouver (UBC), Aug 14/75.
Galium mollugo: Vancouver, Jul 21/76.
Holodiscus discolor: Vancouver (UBC), Oct 3/75.
Hosta undulata: Vancouver, Aug 19/76.
Liriodendron tulipifera: Vancouver (UBC), Sep 11/75, Oct 6/75.
Lunaria annua: Vancouver, Aug 18/76.
Lysimachia punctata: Vancouver, Jul 21/76.
Phlox paniculata: Vancouver, Aug 12/76.
Physalis alkekengi: Vancouver, Aug 12/76.
Rhus sp: Vancouver (UBC), Jun 1/76.
Tropaeolum majus: Vancouver, Aug 18/76.
Viburnum opulus ssp *trilobum*: Vancouver (UBC), Oct 6/75.
Yucca filamentosa: Vancouver, Aug 1/74, Aug 10/74, Aug 15/74.
- FAGI (Linnaeus), PHYLLAPHIS
Fagus sylvatica 'Atropunica': Vancouver, Jun 1/76.
- FARINOSA Gmelin, APHIS
Salix scouleriana: Vancouver (UBC), Jun 13/75.
- FIMBRIATA Richards, FIMBRIAPHIS
Liriodendron tulipifera: Vancouver (UBC), Aug 9/76.
- *FLAVA Mordvilko, CALAPHIS
Betula sp: Burnaby, Jul 14/63.
- *FOENICULI (Passerini), HYADAPHIS
Lonicera ciliosa: Port Washington, Jun 8/76.
- FORNACULA Hottes, CINARA
Picea sp: Richmond, Jul 4/76.
- FRAGAEFOLII (Cockerell),
 CHAETOSIPHON
Rosa sp: Pemberton, Jul 16/76.
- FRAGARIAE (Walker), SITOBION
Cortaderia selloana: Vancouver, Jul 21/76.
Rubus discolor: Vancouver (UBC), Jul 25/75.
 Grass: Vancouver (UBC), Jun 22/76.
- *FUSCICORNIS MacDougall,
 MACROSIPHUM
Epilobium angustifolium: Merritt, Jun 29/24, (MacDougall 1926); Vancouver, Aug 24/24, (MacDougall 1926).
- GALEOPSISIDIS (Kaltenbach),
 CRYPTOMYZUS
Ribes sativum: Quesnel, Jul 21/76.

- GENTNERI (Mason), FIMBRIAPHIS
Amelanchier laevis: Vancouver (UBC), May 16/75, Oct 3/75.
Amelanchier ovalis: Vancouver (UBC), Jun 28/76, Oct. 10/75.
Crataegus monogyna: Vancouver, May 26/76.
Mespilus germanica: Vancouver (UBC), May 28/75.
- HEDERAE Kaltenbach, APHIS
Hedera helix: Saanich, May 9/76; Vancouver (UBC), Apr 29/76.
- HELIANTHI Monell, APHIS
Cornus sericea: Peachland, May 21/76.
- HELICHRYSI (Kaltenbach),
 BRACHYCAUDUS
Chrysanthemum x morifolium: Vancouver, Jul 21/76.
Prunus cerasifera 'Atropurpurea': Vancouver (UBC), Jun 26/75.
Prunus domestica: Lumby, Jul 4/76; Pemberton, Jul 16/76; Summerland, Jun 10/76.
- *HELVETICA Hille Ris Lambers,
 BETULAPHIS
Betula sp.: Vancouver, Oct 3/60.
- HIPPOPHAES (Walker), CAPITOPHORUS
Polygonum lapathifolium: Vancouver (UBC), Aug 18/75.
- HUMBOLDTI (Essig),
 UTAMPHOROPHORA
Physocarpus capitatus: Silver Lake, Oct 21/75.
Physocarpus malvaceus: Vancouver (UBC), Nov 4/75.
- HUMULI (Schränk), PHORODON
Prunus domestica: Lumby, Jul 4/76.
- INSERTUM (Walker), RHOPALOSIPHUM
Chaenomeles japonica: Vancouver (UBC), Oct 6/75.
Liriodendron tulipifera: Vancouver (UBC), Oct 6/75.
Malus ioensis: Vancouver (UBC), Apr 27/76, May 4/76, Oct 7/75.
Mespilus germanica: Vancouver (UBC), May 28/75, Oct 6/75.
- *JUNIPERI (de Geer), CINARA
Juniperus squamata 'Meyeri': Vancouver (UBC), Aug 4/76, Sep 22/75.
- LAMBERSI (MacGillivray), ILLINOIA
Daboecia cantabrica: Vancouver (UBC), Sep 23/75.
Daboecia cantabrica 'Alba': Vancouver (UBC), Sep 23/75.
Daboecia cantabrica 'Atropurpurea': Vancouver (UBC), Jun 28/76.
Daboecia cantabrica 'Praegerae': Vancouver (UBC), Jun 28/76.
Rhododendron 'Elizabeth': Vancouver (UBC), Mar 29/76, Apr 26/76, Jun 16/76.
Rhododendron molle: Vancouver (UBC), Jun 30/76.
- *LIRIODENDRI (Monell), ILLINOIA
Liriodendron tulipifera: Vancouver (UBC), Aug 9/76.
- LONGICAUDA (Richards), EOESSIGIA
Spiraea douglasii: Vancouver (UBC), Jul 27/76, Nov 7/75.
- MACROSIPHUM (Wilson),
 ACYRTHOSIPHON
Amelanchier laevis: Vancouver (UBC), Oct 3/75.
- MILLEFOLII (de Geer),
 MACROSIPHONIELLA
Achillea millefolium: Vancouver (UBC), Sep 23/75.
- MORRISONI (Swain), ILLINOIA
Chamaecyparis lawsoniana: Vancouver (UBC), Sep 19/75.
xCupressocyparis leylandii: Vancouver (UBC), Jun 10/75, Aug 29/75.
Juniperus squamata 'Meyeri': Vancouver (UBC), Aug 4/76, Sept 22/75, Oct 3/75, Nov 4/75.
- NASTURTHI Kaltenbach, APHIS
 Moericke yellow pan water trap: Naramata, Oct 14/75; Penticton, Oct 14/75.
- NEPHRELEPIDIS Davis, IDIOPTERUS
Saintpaulia ionantha: Vancouver, Apr 22/76.
- NERVATA (Gillette), WAHLGRENIELLA
Arbutus menziesii: Vancouver (UBC), Jan 20/76, Sep 23/76, Nov 12/75, Dec 30/75.
Hypericum patulum 'Hidcote': Vancouver (UBC), Jul 20/76.
- NIGROMACULOSUM (MacDougall),
 EOMACROSIPHON
Rosa nutkana: Botanie Valley, Jun 28/24, (MacDougall 1926); Merritt, Jul 10/24, (MacDougall 1926).
- NODULUS (Richards), DIURAPHIS
 Moericke yellow pan water trap: Naramata, Oct 14/75.
- NYMPHAEAE (Linnaeus),
 RHOPALOSIPHUM
Chaenomeles japonica: Vancouver (UBC), Oct 6/75.
- *OCCIDENTALIS Hille Ris Lambers & Hottes, BOERNERINA
 Moericke yellow pan water trap: Penticton, Jun 23/75.
- ORNATUS Laing, MYZUS
Alstroemeria aurantiaca: Vancouver (UBC), Sep 20/76.
Arabis caucasica: Vancouver (UBC), Jun 28/76.
Begonia cucullata var *hookeri*: Vancouver, May 3/76.
Galium mollugo: Vancouver, Jul 21/76.
Gardenia jasminoides: Vancouver, Jan 3/77.
Halesia carolina: Vancouver (UBC), Jul 10/75.
Hypericum patulum 'Hidcote': Vancouver

- (UBC), Jul 20/76.
Impatiens sp.: Vancouver, Jun 2/76.
Myosotis arvensis: Vancouver, May 17/76, May 25/76.
Nepeta cataria: Vancouver (UBC), Jun 28/76.
Philodendron hastatum: Vancouver, Feb 22/76.
Rosmarinus officinalis: Vancouver, Feb 9/77.
Thymus pseudolanuginosus: Vancouver (UBC), Sep 20/76.
Viburnum x bodnantense: Vancouver (UBC), Jun 1/76.
- OSMARONIAE (Wilson), MACROSIPHUM
Oemleria cerasiformis: Vancouver (UBC), Apr 22/76, May 30/75.
- *PAPILLATA Theobald, JACKSONIA
 Grass: Vancouver, Dec 15/76.
- PARVIFLORI Hill, AMPHOROPHORA
Rubus ursinus: North Vancouver, Jun 18/74.
- PATRICIAE (Robinson), ILLINOIA
Tsuga heterophylla: Vancouver (UBC), Jul 23/75, Aug 15/75.
- PERSICAE (Sulzer), MYZUS
Aralia elata: Vancouver (UBC), Aug 25/76.
Beta vulgaris: Brentwood, Jul 5/59; Ladner, Aug 27/58.
Buddleia davidii: Vancouver (UBC), May 19/76.
Capsicum sp.: Vancouver, Feb 22/76.
Epidendrum ibaguense: Vancouver (UBC), Sep 22/76.
Hibiscus rosa-sinensis: Vancouver (CDA), Aug 17/76, Sep 3/76.
Meconopsis paniculata: Vancouver (UBC), Jun 28/76.
Physalis alkekengi: Vancouver, Aug 12/76.
Silene alba ssp *alba*: Vancouver (UBC), Jun 3/76.
Trientalis latifolia: Vancouver (UBC), Jun 2/76.
Yucca filamentosa: Vancouver, Aug 15/74.
- PISUM (Harris), ACYRTHOSIPHON
Medicago sativa: Summerland, Jul 3/76.
Melilotus alba: Vancouver (UBC), Aug 19/76.
Pisum sativum var *arvense*: Sumas, Jun 26/59; Vancouver, Jul 13/64.
Vicia sativa var *angustifolia*: Saanich, May 9/76.
- PLANTAGINEA (Passerini), DYSAPHIS
Malus ioensis: Vancouver (UBC), Apr 27/76, May 4/76, Oct 7/75.
- *POLEMONII (Gillette & Palmer), KAKIMIA
 Moericke yellow pan water trap: Summerland, Jun 30/75.
- POMI de Geer, APHIS
Crataegus monogyna: Vancouver, May 26/76.
Photinia x fraseri: Vancouver (UBC), Jul 29/76.
- *POPULICAULIS Fitch, PEMPHIGUS
Populus trichocarpa: Vancouver (UBC), May 27/76, Jun 7/76, Jul 5/76; White Rock, May 22/76.
- POPULIVENAE Fitch, PEMPHIGUS
Populus trichocarpa: Peachland, May 21/76; Vancouver (UBC), Jun 7/76.
- PRUNI (Geoffroy), HYALOPTERUS
Cortaderia selloana: Vancouver, Jul 21/76.
Liriodendron tulipifera: Vancouver (UBC), Aug 9/76.
Prunus domestica: Lumby, Jul 4/76; Pemberton, Jul 16/76; Summerland, Jun 10/76, Jul 3/76.
- PRUNI Wilson & Davis, ASIPHONAPHIS
Prunus virginiana: Summerland, Jun 14/76.
- *PTERIDIS (Wilson), SITOBION
Pteridium aquilinum: Vancouver (UBC), Jul 23/74.
- PUNCTIPENNIS (Zetterstedt), EUCERAPHIS
Betula pendula 'Dalecarlica': Vancouver, May 26/76.
Betula sp.: Burnaby, Jul 14/63.
- *PYRIFOLIAE MacDougall, MACROSIPHUM
Sorbus sitchensis ssp *grayi*: Merritt, May 27/74, (MacDougall 1926); Tulameen, Jun 15/24, (MacDougall 1926).
- *RARA Mordvilko, TRAMA
 Moericke yellow pan water trap: Vancouver (UBC), Aug 1/76.
- RHAMNI (Clarke), SITOBION
Rhamnus purshiana: Vancouver (UBC), Apr 7/75, Oct 3/75.
- RIEHMI (Borner), THERIOAPHIS
Melilotus alba: Vancouver (UBC), Aug 19/76.
- ROBINIAE (Gillette), APPENDISETA
Sophora japonica: Vancouver (UBC), Aug 4/76.
- ROSAE (Linnaeus), MACROSIPHUM
Ilex aquifolium: Richmond, Jul 4/76.
Rosa sp.: North Vancouver, Jun 18/74.
- RUBITOXICA Knowlton, AMPHOROPHORA
Rubus ursinus: Vancouver (UBC), Jul 26/76.
- RUMEXICOLENS (Patch), BRACHYCAUDUS
Rumex acetosella: Vancouver (UBC), May 27/76.
- SALICARIAE Koch, APHIS
Cornus alba 'Argenteo-marginata': Vancouver (UBC), Jun 3/75.
Cornus mas: Vancouver (UBC), Sep 22/75.
Cornus nuttallii: Vancouver (UBC), Oct 6/75.
Cornus purpusii: Vancouver (UBC), Sep 22/75, Sep 25/75.
Cornus sanguinea: Vancouver (UBC), Oct 6/75, Nov 4/75.
- SEDI Kaltenbach, APHIS
Sedum sp.: Vancouver, Jul 7/76.
- *SITCHENSIS Glendenning, EUCERAPHIS

- Alnus viridis* ssp. *sinuata*: Harrison Lake, May /26, (Glendenning 1926).
- SOLANI (Kaltenbach), AULACORTHUM
Aeschynanthus radicans: Vancouver (CDA), May 6/76.
Androsace sarmentosa: Vancouver (UBC), May 6/76.
Aquilegia sp.: Vancouver, May 11/76.
Chrysanthemum x *morifolium*: Vancouver, Jul 21/76.
Digitalis purpurea: Vancouver, Jun 21/76; Vancouver (UBC), Feb 8/77.
Hibiscus calyphyllus: Vancouver (CDA), Jul 26/76, Sep 16/76.
Hosta sieboldiana: Vancouver (UBC), Aug 16/76.
Incarvillea mairei var. *grandiflora*: Vancouver (UBC), Jun 28/76.
Lilium x *hollandicum*: Vancouver (UBC), Aug 13/76.
Lilium szovitsianum: Vancouver (UBC), Aug 13/76.
Lysimachia punctata: Vancouver, Jul 21/76.
Meconopsis betonicifolia: Vancouver (UBC), Jun 28/76.
Meconopsis paniculata: Vancouver (UBC), Jun 28/76.
Myosotis arvensis: Vancouver, May 25/76.
Nepeta cataria: Vancouver (UBC), May 6/76.
Nephrolepis exaltata 'Bostoniensis': Vancouver (CDA), Feb 9/77.
Papaver orientale: Vancouver, Jul 20/58.
Primula auricula: Vancouver (UBC), May 6/76.
Primula denticulata: Vancouver (UBC), May 6/76.
Primula veris: Vancouver (UBC), May 6/76.
- Primula vialii*: Vancouver (UBC), Jun 28/76.
Trientalis latifolia: Vancouver (UBC), Jun 2/76.
Trifolium pratense: Vancouver (CDA), Mar 3/76, (In Greenhouse).
Triteleia hyacinthina: Vancouver (UBC), Jun 28/76.
Viburnum x *bodnantense*: Vancouver (UBC), May 18/76.
Vicia sativa var. *angustifolia*: Saanich, May 9/76.
Vinca major: Saanich, May 9/76.
- SPIRAEAE (MacGillivray), ILLINOIA
Spiraea x *arguta*: Vancouver (UBC), Jun 19/75.
Spiraea x *bumalda*: Vancouver (UBC), Jun 19/75.
- SPYROTHECAE Passerini, PEMPHIGUS
Populus nigra 'Italica': Vancouver (UBC), May 3/74.
- *SUBVIRIDE MacDougall, MACROSIPHUM
Aster alpinus: Botanie Valley, Jun 27/25, (MacDougall 1926), Aug 2/25, (MacDougall 1926).
- TANACETARIA (Kaltenbach), MACROSIPHONIELLA
Tanacetum vulgare: Cloverdale, Aug 18/76.
- TARAXACI (Kaltenbach), UROLEUCON
Taraxacum officinale: Vancouver, Jun 19/76.
- TESTUDINACEUS (Ferneie), PERIPHYLLUS
Acer rubrum: Vancouver (UBC), Apr 30/74.
- *TRIFOLII (Monell), THERIOAPHIS
 Moericke yellow pan water trap: Penticton, Sep 9/75; Summerland, Oct 14/75.
- *Aphid species not in the previous lists.

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