

THE APHIDS (HOMOPTERA:APHIDIDAE) OF BRITISH COLUMBIA. 2. A HOST PLANT CATALOGUE¹

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ABSTRACT

A host plant catalogue is presented for 189 species of aphids collected in British Columbia.

INTRODUCTION

This paper presents a host plant catalogue for most of the aphids recorded in the basic list of the aphids of British Columbia (Forbes, Frazer, & MacCarthy 1973). Only aphids actually colonizing on hosts are included. Stray alate aphids and species taken only in traps are not included. The list will be of particular use to economic entomologists wishing to know the aphids which occur on crops and ornamentals and to entomologists studying vector transmission of plant virus diseases whenever they must know all the potential vectors that occur on a crop.

The plant hosts are listed alphabetically by genus and species. The aphids colonizing each host are given alphabetically by genus and species. A cross index of common names is included.

CATALOGUE OF HOST PLANTS

<i>Abies balsamea</i>	Balsam Fir	<i>Acer platanoides</i>	Norway Maple
<i>Cinara curvipes</i>		<i>Periphyllus lyropictus</i>	
<i>Cinara occidentalis</i>		<i>Periphyllus testudinacea</i>	
<i>Abies grandis</i>	Grand Fir	<i>Acer</i> sp	Maple
<i>Mindarus abietinus</i>		<i>Drepanosiphum platanoides</i>	
<i>Abies</i> sp	Fir	<i>Periphyllus californiensis</i>	
<i>Cinara abieticola</i>		<i>Periphyllus lyropictus</i>	
Acacia, False	see <i>Robinia</i>	Adam's Needle	see <i>Yucca</i>
<i>Acer circinatum</i>	Vine Maple	African Marigold	see <i>Tagetes</i>
<i>Periphyllus californiensis</i>		African Violet	see <i>Saintpaulia</i>
<i>Periphyllus testudinacea</i>		<i>Agropyron repens</i>	Couch Grass
<i>Acer glabrum</i> (Rocky) Mountain Maple		<i>Sipha kurdjmovi</i>	
<i>Drepanosiphum platanoides</i>		<i>Agropyron</i> sp	Wheat Grass
<i>Periphyllus brevispinosus</i>		<i>Macrosiphum avenae</i>	
<i>Acer macrophyllum</i> Broadleaf Maple		<i>Sipha kurdjmovi</i>	
<i>Drepanosiphum platanoides</i>		Alder	see <i>Alnus</i>
<i>Periphyllus lyropictus</i>		Alder, Red	see <i>Alnus</i>
<i>Periphyllus testudinacea</i>		Alder, Sitka	see <i>Alnus</i>
<i>Acer negundo</i> Box-Elder		Alfalfa	see <i>Medicago</i>
<i>Drepanosiphum platanoides</i>		<i>Allium schoenoprasum</i>	Chives
<i>Periphyllus negundinis</i>		<i>Myzus ascalonicus</i>	
<i>Acer palmatum</i> Japanese Maple		<i>Alnus crispa</i> ssp <i>sinuata</i>	Sitka Alder
<i>Periphyllus testudinacea</i>		<i>Börnerina variabilis</i>	
		<i>Alnus rubra</i>	Red Alder
		<i>Euceraphis gillettei</i>	
		<i>Euceraphis punctipennis</i>	
		<i>Pterocallis alni</i>	
		<i>Alnus</i> sp	Alder
		<i>Börnerina variabilis</i>	
		<i>Euceraphis gillettei</i>	
		<i>Pterocallis alni</i>	
		<i>Amelanchier</i> sp	Saskatoon Berry
		<i>Prociphilus corrugatans</i>	
		<i>Roepkea sensoriata</i>	
		American Elm	see <i>Ulmus</i>
		<i>Amsinckia intermedia</i>	Fiddle-Neck
		<i>Plectrochophorus amsinckii</i>	
		<i>Anethum graveolens</i>	Dill
		<i>Cavariella aegopodii</i>	
		Annual Sowthistle	see <i>Sonchus</i>
		<i>Antirrhinum majus</i>	Snapdragon
		<i>Brachycaudus helichrysi</i>	
		<i>Apium graveolens</i>	Celery
		<i>Aulacorthum solani</i>	
		<i>Cavariella konoii</i>	

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- Apple see **Malus**
 Apple, Common see **Malus**
Aquilegia sp Columbine
 Aulacorthum solani
 Kakimia essigi
Arbutus see **Arbutus**
Arbutus menziesii Arbutus, Madrone
 Wahlgreniella nervata
Artemisia tridentata Sagebrush
 Aphis canae
 Macrosiphum coweni
Aspen, Trembling see **Populus**
Aster see **Aster**
Aster sp Aster
 Dactynotus ambrosiae
Aubrieta see **Aubrieta**
Aubrieta deltoidea Aubrieta
 Myzus ascalonicus
 Myzus ornatus
Aucuba, Japanese see **Aucuba**
Aucuba japonica Japanese Aucuba
 Aulacorthum solani
 Myzus ascalonicus
Avena sativa Oat
 Macrosiphum avenae
 Metopolophium dirhodum
 Rhopalosiphum padi
Avens, Large-Leaved see **Geum**
Balsam Fir see **Abies**
Balsam Poplar see **Populus**
Barberry, Japanese see **Berberis**
Barley see **Hordeum**
Beech, European see **Fagus**
Beet, Sugar see **Beta**
Berberis thunbergii Japanese Barberry
 Liosomaphis berberidis
Berry, Saskatoon see **Amelanchier**
Beta vulgaris Sugar Beet
 Aphis fabae
Betula occidentalis Western Birch
 Ceppegilletta betulifoliae
Betula papyrifera Paper Birch
 Calaphis betulicola
Betula pendula Weeping Birch
 Euceraphis punctipennis
Betula sp Birch
 Betulaphis quadrituberculata
 Calaphis betulicola
 Euceraphis punctipennis
Bindweed see **Polygonum**
Bindweed, Dwarf see **Convolvulus**
Birch see **Betula**
Birch, Paper see **Betula**
Birch, Weeping see **Betula**
Birch, Western see **Betula**
Bird Cherry see **Osmaronia**
Bird Rape see **Brassica**
Bittereress see **Cardamine**
Blackberry, Cut-Leaved see **Rubus**
Blackberry, Himalaya see **Rubus**
Blackberry, Trailing see **Rubus**
Blackcap Raspberry see **Rubus**
Black Cottonwood see **Populus**
Black Twin-Berry see **Lonicera**
Bleeding Heart see **Dicentra**
Blueberry see **Vaccinium**
Blueberry, Highbush see **Vaccinium**
Blueleaf Strawberry see **Fragaria**
Blue Lettuce see **Lactuca**
Blue Spruce see **Picea**
Box-Elder see **Acer**
Brassica campestris Bird Rape
 Hyadaphis erysimi
 Myzus persicae
Brassica napobrassica Swede Turnip, Rutabaga
 Brevicoryne brassicae
Brassica oleracea var capitata Cabbage
 Brevicoryne brassicae
 Myzus persicae
Brassica oleracea var gemmifera Brussels Sprouts
 Brevicoryne brassicae
 Macrosiphum euphorbiae
Brassica sp Mustard
 Myzus persicae
Brittle Willow see **Salix**
Broad Bean see **Vicia**
Broadleaf Maple see **Acer**
Broom, Dwarf, see **Cytisus**
Broom, Scotch see **Cytisus**
Broom, Spanish see **Spartium**
Brussels Sprouts see **Brassica**
Bull Thistle see **Cirsium**
Buttercup see **Ranunculus**
Buttercup, Tall see **Ranunculus**
Cabbage see **Brassica**
Caltha sp Marsh Marigold
 Rhopalosiphum nymphaeae
Canada Mint see **Mentha**
Canada Thistle see **Cirsium**
Capsella bursa-pastoris Shepherd's Purse
 Aphis fabae
 Aulacorthum solani
 Brachycaudus helichrysi
 Myzus ascalonicus
Cardamine oligosperma Bittereress
 Myzus ascalonicus
Carex spp Sedge
 Allaphis verrucosa
 Iziphya umbella
 Trichocallis cyperi
Carnation see **Dianthus**

- Carpinus betulus** European Hornbeam
Myzocallis carpini
- Carrot see **Daucus**
- Cascara see **Rhamnus**
- Castanea** sp Chestnut
Myzocallis castanicola
- Cat's Ear, Spotted see **Hypochoeris**
- Ceanothus sanguineus** Snowbrush
Aphis ceanothi
- Celery see **Apium**
- Chaenomeles japonica** Japanese Quince
Ahis pomi
- Charlock see **Rhaphanus**
- Chenopodium album** Lamb's Quarters
Brachycolus atriplicis
Pemphigus populivenae
- Chenopodium glaucum** Goosefoot
Aphis fabae
- Cherry see **Prunus**
- Cherry, Bird see **Osmaronia**
- Cherry, Dwarf Flowering see **Prunus**
- Cherry Plum see **Prunus**
- Cherry, Sweet see **Prunus**
- Cherry, Wild see **Prunus**
- Chestnut see **Castanea**
- Chickweed see **Stellaria**
- Chickweed, Common see **Stellaria**
- Chives see **Allium**
- Christmas Rose see **Helleborus**
- Chrysanthemum see **Chrysanthemum**
- Chrysanthemum leucanthemum** Ox-Eye Daisy
Macrosiphoniella millefolii
- Chrysanthemum morifolium** Chrysanthemum
Macrosiphoniella sanborni
Macrosiphum euphorbiae
Myzus persicae
- Cicely, Sweet see **Osmorhiza**
- Cinna latifolia** Indian Reed Grass
Macrosiphum fragariae
Rhopalosiphum padi
- Cirsium arvense** Canada Thistle
Aphis fabae
Dactynotus cirsii
Macrosiphum euphorbiae
- Cirsium brevistylum** Indian Thistle
Capitophorus elaeagni
Dactynotus cirsii
- Cirsium** sp Thistle
Dactynotus cirsii
- Cirsium undulatum** Wavy-Leafed Thistle
Brachycaudus cardui
- Cirsium vulgare** Bull Thistle
Bipersona torticauda
- Clover see **Trifolium**
- Clover, Red see **Trifolium**
- Clover, Sweet see **Melilotus**
- Clover, White Sweet see **Melilotus**
- Columbine see **Aquilegia**
- Common Apple see **Malus**
- Common Chickweed see **Stellaria**
- Common Dandelion see **Taraxacum**
- Common Groundsel see **Senecio**
- Common Reed see **Phragmites**
- Convolvulus arvensis** Dwarf Bindweed
Myzus persicae
- Corn see **Zea**
- Cornus nuttallii** Flowering Dogwood
Macrosiphum euphorbiae
- Corylus avellana** Hazelnut
Myzocallis coryli
- Corylus** sp Filbert
Myzocallis coryli
- Cotoneaster see **Cotoneaster**
- Cotoneaster henryana** Henry's Cotoneaster
Aphis pomi
- Cotoneaster, Henry's see **Cotoneaster**
- Cotoneaster** sp Cotoneaster
Aphis pomi
- Cottonwood, Black see **Populus**
- Couch Grass see **Agropyron**
- Cow Parsnip see **Heracleum**
- Crabapple, Wild Sweet see **Malus**
- Crabapples, Ornamental and Table see **Malus**
- Cranberry, Highbush see **Vaccinium**
- Crataegus douglasii** Douglas Hawthorn
Roepkea sclerosa
- Crataegus** sp Hawthorn
Aphis pomi
Metopolophium dirhodum
Rhopalosiphum fitchii
Roepkea crataegifoliae
Roepkea sclerosa
- Croft Lily see **Lilium**
- Curled Dock see **Rumex**
- Currant see **Ribes**
- Currant, Red see **Ribes**
- Cuscuta** sp Dodder
Myzus persicae
- Cut-Leaved Blackberry see **Rubus**
- Cytisus demissus** Dwarf Broom
Aphis cytisorum
- Cytisus scoparius** Scotch Broom
Acyrtosiphon pisum
Ctenocallis setosa
- Dactylis glomerata** Orchard Grass
Hyalopteroides dactylidis
- Daisy, Ox-Eye see **Chrysanthemum**
- Dandelion, Common see **Taraxacum**

Daucus carota	Carrot	Fragaria chiloensis var <i>ananassa</i>	Strawberry
<i>Cavariella aegopodii</i>		<i>Aphis forbesi</i>	
<i>Myzus persicae</i>		<i>Aulacorthum solani</i>	
Delphinium cultorum	Perennial Delphinium	<i>Chaetosiphon fragaefolii</i>	
<i>Kakimia robinsoni</i>		<i>Macrosiphum euphorbiae</i>	
Delphinium, Perennial	see Delphinium	<i>Myzus ascalonicus</i>	
Dianthus caryophyllus	Carnation	Fragaria glauca	Blueleaf Strawberry
<i>Myzus persicae</i>		<i>Chaetosiphon fragaefolii</i>	
Dicentra formosa	Bleeding Heart	Fragaria spp	Strawberries
<i>Macrosiphum euphorbiae</i>		<i>Acyrthosiphon malvae rogersii</i>	
Dill	see Anethum	<i>Acyrthosiphon pisum</i>	
Dodder	see Cuscuta	<i>Fimbriaphis fimbriata</i>	
Dogwood, Flowering	see Cornus	<i>Myzus ornatus</i>	
Douglas Fir	see Pseudotsuga	<i>Myzus persicae</i>	
Douglas Hawthorn	see Crataegus	Fragaria vesca	(European) Wild Wood Strawberry
Doves-Foot Geranium	see Geranium	<i>Aulacorthum solani</i>	
Dwarf Bindweed	see Convolvulus	<i>Myzus ornatus</i>	
Dwarf Broom	see Cytisus	<i>Myzus persicae</i>	
Dwarf Flowering Cherry	see Prunus	Fragaria virginiana	Virginia Strawberry
Dwarf Marigold	see Tagetes	<i>Chaetosiphon fragaefolii</i>	
Elder	see Sambucus	Fuchsia	see Fuchsia
Elder, Red-Fruited	see Sambucus	Fuchsia magellanica	Peruvian Fuchsia
Elm	see Ulmus	<i>Myzus ornatus</i>	
Elm, American	see Ulmus	<i>Myzus persicae</i>	
English Holly	see Ilex	Fuchsia, Peruvian	see Fuchsia
English Ivy	see Hedera	Fuchsia sp	Fuchsia
English Walnut	see Juglans	<i>Myzus ornatus</i>	
Epilobium angustifolium	Fireweed	Galeopsis tetrahit	Hemp Nettle
<i>Aphis corniella</i>		<i>Cryptomyza ribis</i>	
Epilobium sp	Fireweed	Garden Lettuce	see Lactuca
<i>Aphis corniella</i>		Garry Oak	see Quercus
<i>Macrosiphum euphorbiae</i>		Gaultheria shallon	Salal
Erodium cicutarium	Filaree, Storksbill	<i>Aulacorthum dorsatum</i>	
<i>Aulacorthum solani</i>		Geranium	see Pelargonium
<i>Myzus ascalonicus</i>		Geranium, Doves-Foot	see Geranium
Euonymus alatus	Winged Spindle Tree	Geranium molle	Doves-Foot Geranium
<i>Aphis fabae</i>		<i>Myzus ascalonicus</i>	
European Beech	see Fagus	Geranium, Sticky,	see Geranium
European Hornbeam	see Carpinus	Geranium viscosissimum	Sticky Geranium
(European) Wild Wood Strawberry	see Fragaria	<i>Amphorophora geranii</i>	
Fagus sylvatica	European Beech	<i>Macrosiphum aetheocornum</i>	
<i>Phyllaphis fagi</i>		Geum macrophyllum	Large-Leaved Avens
False Acacia	see Robinia	<i>Amphorophora rossi</i>	
Fern, Sword	see Polystichum	<i>Macrosiphum euphorbiae</i>	
Fiddle-Neck	see Amsinckia	<i>Myzus ascalonicus</i>	
Filaree	see Erodium	Galdiolus	see Gladiolus
Filbert	see Corylus	Gladiolus hortulanus	Gladiolus
Fir	see Abies	<i>Aphis fabae</i>	
Fir, Balsam	see Abies	<i>Macrosiphum euphorbiae</i>	
Fir, Douglas	see Pseudotsuga	Gladiolus sp	Gladiolus
Fir, Grand	see Abies	<i>Myzus ornatus</i>	
Fireweed	see Epilobium	Golden Chain	see Laburnum
Flowering Dogwood	see Cornus	Golden-Rod	see Solidago
Fragaria bracteata	Wild Strawberry	Gooseberry	see Ribes
<i>Aphis forbesi</i>		Goosefoot	see Chenopodium

- Gramineae**
Aulacorthum solani
Colopha ulmisacculi
Holocaphis nodulus
Macrosiphum avenae
Macrosiphum fragariae
Rhopalomyzus poae
Rhopalosiphum padi
Sipha kurdjmovi
Sitomyzus columbiae
- Grand Fir see **Abies**
 Grass, Couch see **Agropyron**
 Grass, Low Spear see **Poa**
 Grass, Meadow see **Poa**
 Grass, Orchard see **Dactylis**
 Grass, Velvet see **Holcus**
 Grass, Wheat see **Agropyron**
Grindelia stricta Gum Weed
Dactynotus erigeronensis
- Groundsel, Common see **Senecio**
 Gum Weed see **Grindelia**
 Hawthorn see **Crataegus**
 Hawthorn, Douglas see **Crataegus**
 Hazelnut see **Corylus**
- Hedera helix** English Ivy
Aphis pseudohederae
- Hedge Mustard see **Sisymbrium**
- Helianthemum nummularium** Rock Rose
Myzus ornatus
- Helianthus annuus** Sunflower
Aphis helianthi
- Helianthus** sp. Sunflower
Aphis helianthi
- Helleborus niger** Christmas Rose
Aulacorthum solani
- Hemp Nettle see **Galeopsis**
 Henbit see **Lamium**
 Henry's Cotoneaster see **Cotoneaster**
- Heraclium maximum** Cow Parsnip
Aphis heraclella
Cavariella pastinacae
Macrosiphum euphorbiae
Myzus ascalonicus
- Hesperis matronalis** Sweet Rocket
Myzus ascalonicus
- Hibiscus see **Hibiscus**
Hibiscus sp. Hibiscus
Myzus persicae
- Highbush Blueberry see **Vaccinium**
 Highbush Cranberry see **Viburnum**
 Himalaya Blackberry see **Rubus**
- Holcus lanatus** Velvet Grass
Hyalopteroides dactylidis
- Holly, English see **Ilex**
Holodiscus discolor Ocean Spray
Macrosiphum euphorbiae
- Grass Family
 Hop see **Humulus**
Hordeum vulgare Barley
Macrosiphum avenae
Macrosiphum fragariae
Metopolophium dirhodum
Rhopalosiphum padi
- Hornbeam, European see **Carpinus**
 Huckleberry, Red see **Vaccinium**
- Humulus lupulus** Hop
Phorodon humuli
- Hybrid Roses see **Rosa**
- Hypochoeris radicata** Spotted Cat's Ear
Myzus ascalonicus
Myzus ornatus
- Ilex aquifolium** English Holly
Aphis fabae
Aulacorthum solani
Macrosiphum euphorbiae
Macrosiphum rosae
- Indian Reed Grass see **Cinna**
 Indian Thistle see **Cirsium**
- Iris see **Iris**
Iris sp. Iris
Aulacorthum circumflexus
- Ivy, English see **Hedera**
 Japanese Andromeda see **Pieris**
 Japanese Aucuba see **Aucuba**
 Japanese Barberry see **Berberis**
 Japanese Knotweed see **Polygonum**
 Japanese Maple see **Acer**
 Japanese Quince see **Chaenomeles**
- Juglans regia** English Walnut
Calaphis juglandis
Chromaphis juglandicola
- Knotweed, Japanese see **Polygonum**
- Laburnum anagyroides** Golden Chain
Aphis craccivora
- Lactuca pulchella** Blue Lettuce
Hyperomyzus lactucae
Macrosiphum euphorbiae
- Lactuca sativa** Garden Lettuce
Macrosiphum euphorbiae
Pemphigus populivinae
- Lactuca** sp. Lettuce
Nasonovia ribis nigri
- Lady's Thumb see **Polygonum**
 Lamb's Quarters see **Chenopodium**
- Lamium amplexicaule** Henbit
Myzus ornatus
- Lapsana communis** Nipplewort
Nasonovia ribis nigri
- Large-Leaved Avens see **Geum**
 Leguminosae Pea Family
Roepkea crataegifoliae
- Lettuce see **Lactuca**
 Lettuce, Blue see **Lactuca**

Lettuce, Garden	see Lactuca	Meadow Grass	see Poa
Lilium longiflorum	Croft Lily	Medicago sativa	Alfalfa
<i>Aulacorthum circumflexus</i>		<i>Acyrtosiphon pisum</i>	
Lilium speciosum	Showy Lily	<i>Macrosiphum euphorbiae</i>	
<i>Myzus ascalonicus</i>		<i>Myzus persicae</i>	
Lily, Croft	see Lilium	<i>Therioaphis riehmi</i>	
Lily-Of-The-Valley, Wild	see Maianthemum	Melilotus alba	White Sweet Clover
	see Lilium	<i>Acyrtosiphon pisum</i>	
Lily, Showy	see Lilium	<i>Macrosiphum euphorbiae</i>	
Linden	see Tilia	<i>Therioaphis riehmi</i>	
Lodgepole Pine	see Pinus	Melilotus sp	Sweet Clover
Loganberry	see Rubus	<i>Acyrtosiphon pisum</i>	
Lonicera involucrata	Black Twin-Berry	Mentha arvensis var canadensis	Canada Mint
<i>Masonaphis crystleae</i>			
Low Spear Grass	see Poa	<i>Aulacorthum solani</i>	
Lupine, Perennial	see Lupinus	<i>Capitophorus elaeagni</i>	
Lupinus sp	Perennial Lupine	<i>Ovatus crataegarius</i>	
<i>Macrosiphum albifrons</i>		Mint, Canada	see Mentha
Lyall's Nettle	see Urtica	Mock Orange	see Philadelphus
Lycopersicum esculentum	Tomato	Mountain Ash, Wild	see Sorbus
<i>Aphis fabae</i>		Mustard	see Brassica
Madrone	see Arbutus	Mustard, Hedge	see Sisymbrium
Maianthemum dilatatum	Wild Lily-Of-The-Valley	Mustard, Tall Hedge	see Sisymbrium
<i>Macrosiphum euphorbiae</i>		Nasturtium	see Tropaeolum
Maize	see Zea	Nettle, Hemp	see Galeopsis
Malus coronaria	Wild Sweet Crabapple	Nettle, Lyall's	see Urtica
<i>Aphis pomi</i>		Nightshade	see Solanum
Malus pumila	Common Apple	Nipplewort	see Lapsana
<i>Eriosoma lanigerum</i>		Northern Red Oak	see Quercus
<i>Macrosiphum euphorbiae</i>		Norway Maple	see Acer
<i>Rhopalosiphum insertum</i>		Nuphar sp	Yellow Pond-Lily
<i>Roepkea bakeri</i>		<i>Rhopalosiphum nymphaeae</i>	
Malus spp	Ornamental & Table Crabapples	Nymphaea sp	Waterlily
<i>Aphis pomi</i>		<i>Rhopalosiphum nymphaeae</i>	
<i>Dysaphis plantaginea</i>		Oak, Garry	see Quercus
<i>Rhopalosiphum fitchii</i>		Oak, Northern Red	see Quercus
Malus sylvestris	Apple	Oak, Red	see Quercus
<i>Aphis pomi</i>		Oat	see Avena
<i>Dysaphis plantaginea</i>		Ocean Spray	see Holodiscus
<i>Roepkea bakeri</i>		Oenanthe sarmentosa	Water Parsley
Maple	see Acer	<i>Cavariella aegopodii</i>	
Maple, Broadleaf	see Acer	Orchard Grass	see Dactylis
Maple, Japanese	see Acer	Ornamental and Table Crabapples	see Malus
Maple, Norway	see Acer	Osmaronia cerasiformis	Bird Cherry
Maple, (Rocky) Mountain	see Acer	<i>Macrosiphum osmaroniae</i>	
Maple, Vine	see Acer	Osmorhiza chilensis	Sweet Cicely
Marigold, African	see Tagetes	<i>Myzus ascalonicus</i>	
Marigold, Dwarf	see Tagetes	Oxalis deppei	Wood Sorrel
Marigold, Marsh	see Caltha	<i>Aphis fabae</i>	
Marsh Marigold	see Caltha	Ox-Eye Daisy	see Chrysanthemum
Matricaria matricarioides	Pineapple Weed	Pacific Willow	see Salix
<i>Aphis fabae</i>		Pansy	see Viola
<i>Aulacorthum solani</i>		Paper Birch	see Betula
<i>Brachycaudus helichrysi</i>		Parsley	see Petroselinum
<i>Macrosiphum euphorbiae</i>		Parsley, Water	see Oenanthe
<i>Myzus persicae</i>		Parsnip	see Pastinaca
		Parsnip, Cow	see Heracleum

Parsnip, Water	see Sium	<i>Rhopalosiphum padiformis</i>	
Pastinaca sativa	Parsnip	Polygonum convolvulus	Bindweed
<i>Aphis heraclella</i>		<i>Myzus persicae</i>	
Paulownia	see Paulownia	Polygonum cuspidatum	Japanese Knotweed
Paulownia imperialis	Paulownia	<i>Aulacorthum solani</i>	
<i>Aulacorthum solani</i>		Polygonum persicaria	Lady's Thumb
Peach	see Prunus	<i>Aphis fabae</i>	
Pear	see Pyrus	<i>Capitophorus hippophaes</i>	
Pelargonium hortorum	Geranium	Polypodiaceae	Fern Family
<i>Aulacorthum circumflexus</i>		<i>Idiopterus nephrolepidus</i>	
Perennial Delphinium	see Delphinium	Polystichum munitum	Sword Fern
Perennial Lupine	see Lupinus	<i>Macrosiphum ptericolens</i>	
Perennial Sowthistle	see Sonchus	Ponderosa Pine	see Pinus
Peruvian Fuchsia	see Fuchsia	Pond-Lily, Yellow	see Nuphar
Petroselinum crispum	Parsley	Poplar	see Populus
<i>Myzum ornatus</i>		Poplar, Balsam	see Populus
Philadelphus gordonianus	Mock Orange	Populus balsamifera	Balsam Poplar
<i>Aphis fabae</i>		<i>Pterocomma bicolor bicolor</i>	
<i>Aulacorthum solani</i>		Populus sp	Poplar
<i>Brachycaudus helichrysi</i>		<i>Chaitophorus delicatus</i>	
<i>Macrosiphum euphorbiae</i>		<i>Chaitophorus neglectus</i>	
<i>Masonaphis spiraeae</i>		<i>Chaitophorus populicola</i>	
<i>Myzus persicae</i>		Populus tremuloides	Trembling Aspen
Phragmites communis	Common Reed	<i>Chaitophorus populicola</i>	
<i>Hyalopterus pruni</i>		Populus trichocarpa	Black Cottonwood
Picea pungens	Blue Spruce	<i>Chaitophorus populifolii</i>	
<i>Cinara braggi</i>		<i>Pterocomma bicolor bicolor</i>	
<i>Cinara coloradensis</i>		<i>Pterocomma smithiae</i>	
<i>Cinara costata</i>		<i>Thecabius gravicornis</i>	
<i>Elatobium abietinum</i>		<i>Thecabius populimonilis</i>	
Picea sitchensis	Sitka Spruce	Potato	see Solanum
<i>Elatobium abietinum</i>		Potentilla anserina	Silver Weed
Picea sp	Spruce	<i>Chaetosiphon fragaefolii</i>	
<i>Elatobium abietinum</i>		<i>Chaetosiphon potentillae</i>	
Pieris japonica	Japanese Andromeda	Primrose	see Primula
<i>Aulacorthum pterinigrum</i>		Primula sp	Primrose
<i>Wahlgreniella nervata</i>		<i>Aulacorthum circumflexus</i>	
Pineapple Weed	see Matricaria	<i>Aulacorthum solani</i>	
Pine, Lodgepole	see Pinus	<i>Myzus ornatus</i>	
Pine, Ponderosa	see Pinus	Prunus avium	Sweet Cherry
Pine, Scots	see Pinus	<i>Myzus cerasi</i>	
Pinus contorta	Lodgepole Pine	Prunus cerasifera var pissardi	Cherry Plum
<i>Cinara brevispinosa</i>		<i>Phorodon humuli</i>	
<i>Cinara medispinosa</i>		Prunus domestica	Plum
<i>Cinara murrayanae</i>		<i>Brachycaudus cardui</i>	
Pinus ponderosa	Ponderosa Pine	<i>Brachycaudus helichrysi</i>	
<i>Essigella gillettei</i>		Prunus emarginata	Wild Cherry
Pinus sylvestris	Scots Pine	<i>Myzus cerasi</i>	
<i>Cinara pinea</i>		<i>Myzus lythri</i>	
<i>Schizolachnus pineti</i>		Prunus japonica	Dwarf Flowering Cherry
Plantago lanceolata	Ribgrass	<i>Phorodon humuli</i>	
<i>Myzus ascalonicus</i>		Prunus persica	Peach
Plum	see Prunus	<i>Aphis pomi</i>	
Poa annua	Low Spear Grass	<i>Myzus persicae</i>	
<i>Rhopalomyzus poae</i>		<i>Rhopalosiphum nymphaeae</i>	
Poa sp	Meadow Grass		

Prunus sp	Cherry	Ribes sativum	Red Currant
<i>Hyalopterus pruni</i>		<i>Cryptomyzus ribis</i>	
Pseudotsuga menziesii	Douglas Fir	Ribes sp	Currant
<i>Cinara pseudotaxifoliae</i>		<i>Cryptomyzus ribis</i>	
Pyrus communis	Pear	Ribgrass	see Plantago
<i>Aphis pomi</i>		Robinia sp	False Acacia
Quercus borealis	Northern Red Oak	<i>Appendisetia robiniae</i>	
<i>Myzocallis walshii</i>		Rock Rose	see Helianthemum
Quercus garryana	Garry Oak	(Rocky) Mountain Maple	see Acer
<i>Thelaxes albipes</i>		Rosa rugosa	Rugose-Leaved Rose
<i>Thelaxes californica</i>		<i>Chaetosiphon tetra-rhodus</i>	
<i>Tuberculatus columbiae</i>		<i>Macrosiphum rosae</i>	
Quercus rubra	Red Oak	<i>Metopolophium dirhodum</i>	
<i>Myzocallis occulta</i>		Rosa spp	Hybrid Roses
<i>Myzocallis walshii</i>		<i>Aulacorthum clavicornis</i>	
Quince, Japanese	see Chaenomeles	<i>Chaetosiphon fragaefolii</i>	
Radish	see Raphanus	<i>Chaetosiphon tetra-rhodus</i>	
Ragwort, Tansy	see Senecio	<i>Macrosiphum euphorbiae</i>	
Ranunculus acris	Tall Buttercup	<i>Macrosiphum rosae</i>	
<i>Aulacorthum solani</i>		<i>Metopolophium dirhodum</i>	
<i>Myzus persicae</i>		<i>Myzus persicae</i>	
Ranunculus sp	Buttercup	<i>Wahlgreniella nervata</i>	
<i>Aphis fabae</i>		Rose, Christmas	see Helleborus
<i>Myzus ornatus</i>		Rose, Rock	see Helianthemum
<i>Myzus persicae</i>		Rose, Rugose-Leaved	see Rosa
Rape, Bird	see Brassica	Roses, Hybrid	see Rosa
Raphanus raphanistrum	Charlock	Rubus idaeus	Red Raspberry
<i>Myzus persicae</i>		<i>Amphorophora rubi</i>	
Raphanus sativus	Radish	<i>Aphis idaei</i>	
<i>Brevicoryne brassicae</i>		<i>Macrosiphum euphorbiae</i>	
Raspberry, Blackcap	see Rubus	<i>Macrosiphum fragariae</i>	
Raspberry, Red	see Rubus	Rubus laciniatus	Cut-Leaved Blackberry
Red Alder	see Alnus	<i>Macrosiphum fragariae</i>	
Red Clover	see Trifolium	Rubus loganobaccus	Loganberry
Red Currant	see Ribes	<i>Aphis idaei</i>	
Red-Fruited Elder	see Sambucus	Rubus occidentalis	Blackcap Raspberry
Red Huckleberry	see Vaccinium	<i>Amphorophora rubi</i>	
Red Oak	see Quercus	Rubus parviflorus	Thimbleberry
Red Raspberry	see Rubus	<i>Amphorophora parviflori</i>	
Reed, Common	see Phragmites	<i>Masonaphis davidsoni</i>	
Reed Grass, Indian	see Cinna	<i>Masonaphis maxima</i>	
Rhamnus purshiana	Cascara	Rubus spectabilis	Salmonberry
<i>Macrosiphum rhamni</i>		<i>Amphorophora forbesi</i>	
Rheum rhaponticum	Rhubarb	<i>Aulacorthum scabrosum</i>	
<i>Aphis fabae</i>		Rubus thyrsanthus	Himalaya Blackberry
<i>Macrosiphum euphorbiae</i>		<i>Amphorophora parviflori</i>	
<i>Myzus persicae</i>		<i>Macrosiphum fragariae</i>	
Rhododendron	see Rhododendron	Rubus vitifolius	Trailing Blackberry
Rhododendron sp	Rhododendron	<i>Amphorophora rubitoxica</i>	
<i>Masonaphis lambersi</i>		Rugose-Leaved Rose	see Rosa
Rhubarb	see Rheum	Rumex acetosella	Sheep Sorrel
Ribes grossularia	Gooseberry	<i>Brachycaudus rumexicolens</i>	
<i>Cryptomyzus ribis</i>		<i>Myzus ascalonicus</i>	
Ribes lacustre	Swamp Gooseberry	<i>Pemphigus populivenae</i>	
<i>Aphis neomexicana</i>		Rumex crispus	Curled Dock
		<i>Aphis rumicis</i>	

- Rutabaga see **Brassica**
- Rye see **Secale**
- Sagebrush see **Artemisia**
- Saintpaulia** sp African Violet
Aulacorthum circumflexus
- Salal see **Gaultheria**
- Salicornia europea** Sand-Fire
Macrosiphum salicicornii
- Salix babylonica** Weeping Willow
Pterocomma smithiae
- Salix fragilis** Brittle Willow
Pterocomma smithiae
- Salix lasiandra** Pacific Willow
Cavariella konoi
Pterocomma smithiae
- Salix scouleriana** Scouler's Willow
Pterocomma salicis
- Salix** spp Willow
Chaitophorus macrostachyae
Chaitophorus nigrae
Chaitophorus pustulatus
Chaitophorus viminalis
Plocamaphis bulbosa
Plocamaphis flocculosa
Pterocomma bicolor bicolor
Pterocomma pilosum
Pterocomma salicis
Tuberolachnus salignus
- Salmonberry see **Rubus**
- Sambucus racemosa** Red-Fruited Elder
Aphis sambucifoliae
Macrosiphum stanleyi
- Sand-Fire see **Salicornia**
- Saskatoon Berry see **Amelanchier**
- Scotch Broom see **Cytisus**
- Scots Pine see **Pinus**
- Scouler's Willow see **Salix**
- Secale cereale** Rye
Macrosiphum avenae
Rhopalosiphum padi
- Sedge see **Carex**
- Sedum anglicum** Stonecrop
Aphis sedi
- Senecio jacobaea** Tansy Ragwort
Aphis lugentis
- Senecio vulgaris** Common Groundsel
Brachycaudus helichrysi
Macrosiphum euphorbiae
Myzus ornatus
Myzus persicae
- Sheep Sorrel see **Rumex**
- Shepherd's Purse see **Capsella**
- Showy Lily see **Lilium**
- Silver Weed see **Potentilla**
- Sisymbrium officinale** Tall Hedge Mustard
Macrosiphum fragariae
- Myzus ascalonicus*
- Sisymbrium** sp Hedge Mustard
Myzus persicae
- Sitka Alder see **Alnus**
- Sitka Spruce see **Picea**
- Sium suave** Water Parsnip
Aphis heraclella
Cavariella aegopodii
- Smilacina stellata** Star-Flowered Solomon's Seal
Macrosiphum yagasogae
- Snapdragon see **Antirrhinum**
- Snowball see **Viburnum**
- Snowberry see **Symphoricarpos**
- Snowbrush see **Ceanothus**
- Solanum nigrum** Nightshade
Myzus persicae
- Solanum tuberosum** Potato
Aphis fabae
Aulacorthum solani
Macrosiphum euphorbiae
Myzus persicae
Rhopalosiphoninus latysiphon
- Solidago canadensis** Golden-Rod
Dactynotus erigeronensis
Dactynotus nigrotuberculatus
- Solomon's Seal, Star-Flowered see **Smilacina**
- Sonchus arvensis** Perennial Sowthistle
Hyperomyzis lactucae
Hyperomyzus pallidus
- Sonchus asper** Spiny Sowthistle
Aphis fabae
Dactynotus sonchi
Hyperomyzus lactucae
- Sonchus oleraceus** Annual Sowthistle
Hyperomyzus lactucae
- Soncus** sp Sowthistle
Hyperomyzus lactucae
Myzus ascalonicus
- Soebus scopulina** (Wild) Mountain Ash
Roepkea yohoensis
- Sorrel, Sheep see **Rumex**
- Sorrel, Wood see **Oxalis**
- Sowthistle, Annual see **Sonchus**
- Sowthistle, Perennial see **Sonchus**
- Sowthistle, Spiny see **Sonchus**
- Spanish Broom see **Spartium**
- Spartium junceum** Spanish Broom
Aphis craccivora
- Spindle Tree, Winged see **Euonymus**
- Spiny Sowthistle see **Sonchus**
- Spiraea see **Spiraea**
- Spiraea** sp Spiraea
Aspidaphis longicauda
- Spotted Cat's Ear see **Hypochoeris**

Spruce	see Picea	Trifolium sp	Clover
Spruce, Blue	see Picea	<i>Acyrtosiphon pisum</i>	
Spruce, Sitka	see Picea	<i>Roepkea bakeri</i>	
Star-Flowered Solomon's Seal	see Smilacina	Triticum aestivum	Wheat
Stellaria media	Common Chickweed	<i>Macrosiphum avenae</i>	
<i>Myzus persicae</i>		<i>Rhopalosiphum padi</i>	
Stellaria sp	Chickweed	Tropaeolum majus	Nasturtium
<i>Myzus ascalonicus</i>		<i>Aphis fabae</i>	
Sticky Geranium	see Geranium	Tulip	see Tulipa
Stonecrop	see Sedum	Tulipa gesneriana	Tulip
Storksbill	see Erodium	<i>Aulacorthum circumflexus</i>	
Strawberry	see Fragaria	<i>Aulacorthum solani</i>	
Strawberry, Blueleaf	see Fragaria	<i>Dysaphis tulipae</i>	
Strawberry, (European) Wild Wood	see Fragaria	<i>Dysaphis tulipae</i>	
	see Fragaria	<i>Macrosiphum euphorbiae</i>	
Strawberry, Virginia	see Fragaria	<i>Myzus persicae</i>	
Strawberry, Wild	see Fragaria	<i>Rhopalosiphoninus staphyleae</i>	
Strawberry, Wild Wood	see Fragaria	Turnip, Swede	see Brassica
Sugar Beet	see Beta	Twin-Berry, Black	see Lonicera
Sunflower	see Helianthus	Ulmus americana	American Elm
Swamp Gooseberry	see Ribes	<i>Tinocallis platani</i>	
Swede Turnip	see Brassica	Ulmus sp	Elm
Sweet Cherry	see Prunus	<i>Eriosoma americanum</i>	
Sweet Cicely	see Osmorhiza	<i>Tinocallis ulmifolii</i>	
Sweet Clover	see Melilotus	Urtica lyallii	Lyall's Nettle
Sweet Rocket	see Hesperis	<i>Macrosiphum euphorbiae</i>	
Sword Fern	see Polystichum	Vaccinium corymbosum	Highbush Blueberry
Symphoricarpos albus	Snowberry	<i>Brachycaudus helichrysi</i>	
<i>Aphthargelia symphoricarpi</i>		<i>Fimbriaphis fimbriata</i>	
Targetes erecta	African Marigold	Vaccinium parvifolium	Red Huckleberry
<i>Macrosiphum euphorbiae</i>		<i>Macrosiphum parvifolii</i>	
Tagetes tenuiflora var pumila	Dwarf Marigold	Vaccinium sp	Blueberry
<i>Brachycaudus helichrysi</i>		<i>Aulacorthum pterinigrum</i>	
Tall Buttercup	see Ranunculus	<i>Fimbriaphis fimbriata</i>	
Tall Hedge Mustard	see Sisymbrium	Velvet Grass	see Holcus
Tanacetum vulgare	Tansy	Viburnum opulus	Snowball
<i>Macrosiphoniella tanacetaria</i>		<i>Ceruraphis eriophori</i>	
Tansy	see Tanacetum	Viburnum trilobum	Highbush Cranberry
Tansy Ragwort	see Senecio	<i>Acyrtosiphon macrosiphum</i>	
Taraxacum officinale	Common Dandelion	<i>Prociphilus xylostei</i>	
<i>Dactynotus taraxaci</i>		Vicia faba	Broad Bean
<i>Myzus ascalonicus</i>		<i>Aphis fabae</i>	
Thimbleberry	see Rubs	Vine Maple	see Acer
Thistle	see Cirsium	Viola tricolor	Pansy
Thistle, Bull	see Cirsium	<i>Aulacorthum circumflexus</i>	
Thistle, Canada	see Cirsium	<i>Myzus ascalonicus</i>	
Thistle, Indian	see Cirsium	<i>Myzus ornatus</i>	
Thistle, Wavy-Leafed	see Cirsium	<i>Myzus persicae</i>	
Tilia sp	Linden	Violet, African	see Saintpaulia
<i>Eucallipterus tiliae</i>		Virginia Strawberry	see Fragaria
Tomato	see Lycopersicum	Walnut, English	see Juglans
Trailing Blackberry	see Rubus	Waterlily	see Nymphaea
Trifling Aspen	see Populus	Water Parsley	see Oenanthe
Trifolium pratense	Red Clover	Water Parsnip	see Sium
<i>Brachycaudus helichrysi</i>		Wavy-Leafed Thistle	see Cirsium
<i>Roepkea sensoriata</i>			

Weeping Birch	see Betula	Yucca smalliana	Adam's Needle
Weeping Willow	see Salix	<i>Aulacorthum circumflexus</i>	
Western Birch	see Betula	<i>Myzus persicae</i>	
Wheat	see Triticum	Zea mays	Maize, Corn
Wheat Grass	see Agropyron	<i>Macrosiphum avenae</i>	
White Sweet Clover	see Melilotus	<i>Macrosiphum euphorbiae</i>	
Wild Cherry	see Prunus	Zinnia	see Zinnia
Wild Lily-Of-The-Valley	see Maianthemum	Zinnia elegans	Zinnia
(Wild) Mountain Ash	see Sorbus	<i>Aphis fabae</i>	
Wild Strawberry	see Fragaria	<i>Macrosiphum euphorbiae</i>	
Wild Sweet Crabapple	see Malus	Zygadene	see Zygadenus
Wild Wood Strawberry	see Fragaria	Zygadenus sp	Zygadene
Willow	see Salix	<i>Macrosiphum kiowanepum</i>	
Willow, Pacific	see Salix		
Willow, Scouler's	see Salix		
Willow, Weeping	see Salix		
Winged Spindle Tree	see Euonymus		
Wood Sorrel	see Oxalis		
Yellow Pond-Lily	see Nuphar		

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A NOTE ON THE TAXONOMY OF THE PSYLLIDAE OF BRITISH COLUMBIA

I. D. HODKINSON¹

Kitching (1971) recently published a key to the Psyllidae of British Columbia which contains a number of nomenclatorial and taxonomic errors. His key is based on the monographs of Crawford (1914) and Tuthill (1943) and more recent work has not been considered. The purpose of this note is to try to bring the nomenclature in line with modern usage.

Tuthill (1944) replaced the name *Psylla uncatata* Tuthill by *Psylla hamata* Tuthill as the former was preoccupied by *Psylla uncatata* Ferris & Klyver.

Arytaina spartiophila has only one basal metatarsal spine and would therefore not fall within the proposed definition of the Psyllinae (Kitching p. 38). Couplet 3 should be modified to read — Basal tarsal segment of hind legs with at least one black claw-like spine at tip. This will make the key valid for North American species but not for the world species.

Heslop-Harrison (1961) discussed the North American *Arytaina* in detail and established four new genera, three of which are relevant here. *Arytaina robusta* and *A. fuscipennis* are referable to the genus *Euglyptoneura* H.-H., *A. ceanothi* to the genus *Ceanothia* H.-H. and *A. pubescens* to the genus *Purshivora* H.-H. This does not alter the validity of the key at the species level.

The American scheme of psyllid classification is based on that proposed by Crawford in 1914. Modern authors working outside North America (Vondracek 1957, Dobreanu & Manolache 1962, Loginova 1967) have since split certain of the genera recognised by Crawford and these divisions appear valid on both morphological and biological grounds. On the modern European classification system *Livia caricis* is referable to the genus *Diraphia* Waga and *Aphalara sensu* Crawford is split into *Aphalara sensu stricta* and *Craspedolepta* Enderlein on the basis of the form of the clypeus. A revision of the North American *Aphalara* is thus urgently required.

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