

The background of the cover is a vibrant yellow, populated with numerous black line drawings of various biological structures. These include elongated, spindle-shaped spores, some with internal granules; chains of small, round cells; and more complex, branching or multi-celled structures. Some drawings resemble cross-sections of plant cells or tissues, showing internal compartments and cell walls. The overall theme is clearly related to plant pathology and microbiology.

# PLANT DISEASES OF SOUTHERN BRITISH COLUMBIA

A HOST INDEX

H.N.W. TOMS

REPRINTED FROM  
CANADIAN PLANT DISEASE SURVEY  
Vol.44, No.3, pp.146-225, Sept., 1964

RESEARCH BRANCH  
CANADA DEPARTMENT OF AGRICULTURE



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*With compliments of the compiler.*

PLANT DISEASES OF SOUTHERN BRITISH COLUMBIA

A HOST INDEX<sup>1</sup>

H.N.W. Toms

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PLANT PATHOLOGY BRANCH

NOV 15 1965

Department of Agriculture

## PART I

Cultivated Crop and Ornamental Plants

Acer palmatum Thunb. var. 'atropurpureum' - Japanese Maple.

Verticillium sp. - Wilt, Die-back. Coast.

Wind Scorch (Physiol.) Coast.

Aesculus hippocastanum L. - Horse Chestnut.

Nectria cinnabarina (Tode ex Fr.) Fr. - Coral Spot. Victoria.

Polyporus versicolor L. ex Fr. - Trunk Rot. DAVFP Victoria.

Stereum purpureum (Pers. ex Fr.) Fr. - Shelf Fungus. Coast.

Agaricus campestris Fr. - Mushroom.

Dactylium dendroides Fr. - Cobweb. Surrey.

Myceliophthora lutea Cost. - Verdigris. Surrey.

Papulaspora byssina Hotson - Brown Plaster Mold. Lulu Id.

Agropyron cristatum (L.) Gaertn. - Crested Wheatgrass.

Claviceps purpurea (Fr.) Tul. - Ergot. LFV.

Puccinia striiformis West. - Stripe Rust. Coast.

Agropyron dasystachyum (Hook.) Scribn. - Thickspike Wheatgrass.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Agropyron desertorum (Fisch.) Schult. - Desert Wheatgrass.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Agropyron intermedium (Host.) Beauv. - Intermediate Wheatgrass.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Agropyron sibiricum (Willd.) Beauv. - Siberian Wheatgrass.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Agrostis alba L. - Red Top, Bent Grass.

Puccinia graminis Pers. - Stem Rust. Coast.

Septoria triseti Speg. emend. Sprague - Leaf Mottle. Coast.

Ustilago striiformis (West.) Niessl - Stripe Smut. Coast.

Agrostis canina L. - Velvet Bent Grass.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Ailanthus altissima Swingle - Tree of Heaven.

Armillaria mellea (Fr.) Kummer- Butt Decay. Saanichton.

Allium cepa L. - Onion

Aspergillus niger v. Tiegh. - Black Mold. Coast.

Botrytis allii Munn - Neck Rot. Coast. OK, Grand Forks.

Fusarium acuminatum Ell. & Ev. - Damping-off. Coast.

Fusarium oxysporum Schlecht. f. cepae (Hanz.) Snyd. & Hans.

- Bulb Rot. Grand Forks, OK.

Fusarium solani (Mart.) Appel & Wr. - Pink Rot. Kelowna.



Allium cepa (cont'd.)

- Fusarium spp. - Basal Decay. VI.  
Heterosporium allii Ell. & G. Martin - Leaf Blight. Agassiz, Saanichton.  
Peronospora destructor (Berk.) Fr. - Downy Mildew. General.  
Puccinia mixta Fckl. - Rust. Victoria.  
Pythium sp. - Damping-off. Kelowna.  
Sclerotium cepivorum Berk. - White Rot. OK.  
Stemphylium botryosum Wallr. - Black Mold. Coast.  
Urocystis magica Pass. - Smut. Kelowna, Point Grey.  
 Pink Root: causal organism not yet determined. OK.  
 Aster Yellows (Virus) Grand Forks.  
 Mosaic (Virus) Kelowna.  
 Yellow Dwarf (Virus) Grand Forks, Kelowna.

Allium porrum L. - Leek

- Botrytis cinerea Pers. ex Fr. - Grey Mold: on seedheads. VI.  
Heterosporium allii Ell. & G. Martin - Leaf Blight. VI.

Allium schoenoprasum L. - Chives.

- Puccinia mixta Fckl. - Rust. Victoria, Vancouver.

Allium sativum L. - Garlic.

- Sclerotium cepivorum Berk. - White Rot. Steveston.

Alopecurus pratensis L. - Meadow Foxtail.

- Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Althaea rosea (L.) Cav. - Hollyhock.

- Puccinia malvacearum Bert. - Rust. OK, Coast.

Anchusa azurea Mill. - Anchusa.

- Sclerotinia sclerotiorum (Lib.) de By. - Rot. Royal Oak.

Anemone coronaria L. - St. Brigid or Caen Anemone.

- Tranzschelia discolor (Fckl.) Tranz. & Litv. - Rust. Saanichton.

Anthyllis vulneraria L. - Kidney Vetch.

- Sclerotinia sp. - Rot. Agassiz.

Antirrhinum majus L. - Snapdragon.

- Botrytis cinerea Pers. ex Fr. - Branch Die-Back. Elk Lake, Saanich.  
Oidium sp. - Powdery Mildew. Sooke: in greenhouse.  
Phyllosticta antirrhini Syd. - Leaf Spot. VI.  
Puccinia antirrhini Diet. & Holw. - Rust. OK, Coast.  
Septoria antirrhini Rob. & Desm. - Leaf Spot. Saanich.  
Verticillium dahliae Kleb. - Wilt. Agassiz.

- Apium graveolens L. var. dulce DC. - Celery.  
Cercospora apii Fres. - Early Blight. Coast.  
Erwinia carotovora (L.R. Jones) Holland - Heart Rot. Vancouver.  
Fusarium oxysporum Schlecht. f. conglutinans (Wr.) Snyd. & Hans. - Fusarium Yellows. Armstrong.  
Pseudomonas apii Jagger - Bacterial Leaf Spot. Terrace, Armstrong, Saanichton.  
Septoria apii-graveolentis Dorogin - Late Blight. OK, KOOT, Coast.  
 Hollow Stem, Pithiness (Physiol.) Duncan.
- Aquilegia spp. - Columbine.  
Ascochyta aquilegiae (Roum. & Pat.) Sacc. - Leaf Spot. Coast.  
Erysiphe polygoni DC. ex Mérat - Powdery Mildew. OK, Coast.  
Haplobasidium thalictri Eriks. - Leaf Blotch. Saanich.  
Puccinia recondita Rob. ex Desm. - Rust. Salmon Arm.
- Arabis albida Stev. - White Rock Cress, Arabis.  
Albugo cruciferarum S.F. Gray - White Rust. Victoria  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Vancouver.
- Aralia ? sieboldii - Aralia.  
Verticillium albo-atrum Reinke & Berth. - Wilt. Victoria.
- Amoracia lapathifolia (Gilib.) Gilib. - Horse Radish.  
Ramularia armoraciae Fckl. - Leaf Spot. Summerland, Marpole.
- Arrhenatherum elatius (L.) Beauv. - Tall Oat Grass.  
Puccinia graminis Pers. - Leaf Rust. Coast.  
Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.  
Passalora graminis (Fckl.) Hoehn. - Brown Stripe. Coast.  
Ustilago avenae (Pers.) Rostr. - Loose Smut. Coast.
- Asparagus officinalis L. - Asparagus.  
Fusarium sp. - Crown Rot, Wilt. Coast.  
Puccinia asparagi DC. - Rust. Grand Forks, OK.  
Rhizoctonia crocorum (Pers.) DC. ex Fr. - Root Rot. Saanichton.
- Aster novae-angliae L. - Michaelmas Daisy.  
Erysiphe cichoracearum DC. ex Mérat - Powdery Mildew. Summerland.
- Aucuba japonica Thunb. - Japanese Aucuba.  
Botrytis cinerea Pers. ex Fr. - Leaf Blotch. Saanich, Vancouver.

Avena sativa L. - Oats.Claviceps purpurea (Fr.) Tul. - Ergot. Coast.Drechslera avenacea (Curt. ex Cke.) Shoem. - Leaf Spot. Coast.Erysiphe graminis DC. ex Mérat - Powdery Mildew. General.Fusarium sp. - Root Rot. Creston.Heterosporium avenae Oud. - Leaf Blight. Saanichton.Pseudomonas coronafaciens (Elliott) F.L. Stevens  
- Halo Blight. VI.Puccinia graminis Pers. - Stem Rust. General.Ustilago avenae (Pers.) Rostr. - Loose Smut. General.Ustilago hordei (Pers.) Lagh. - Covered Smut. General.

Blast (Physiol.) General.

Gray Speck (Manganese defic.) Prince George.

Begonia semperflorens Link & Otto - Wax Begonia.

Spotted Wilt (Virus) Summerland.

Begonia tuberhybrida Voss - Tuberous Begonia.Botrytis cinerea Pers. ex Fr. - Target Spot, Blossom Blight. Coast.Oidium sp. - Powdery Mildew. Coast.Xanthomonas begoniae (Takimoto) Dows. - Bacterial Leaf Spot. Victoria.

Cucumber Mosaic (Virus) Victoria.

Berberis wilsonae Hemsl. - Wilson's Barberry.Dothidella berberidis (Wahl.) Theiss. & Syd. - Canker. Victoria.Berberis sp. - Barberry.Puccinia graminis Pers. - Rust. Agassiz, Courtenay.Beta vulgaris L. - Sugar Beet.Cercospora beticola Sacc. - Leaf Spot. Coast.Phoma betae Frank - Leaf Spot, Bulb Rot, Damping-off. Coast.Ramularia beticola Fautr. & Lamb. - Leaf Spot. Coast.Septoria betae West. - Leaf Spot. Saanichton.Streptomyces scabies (Thaxt.) Waks. & Henrici - Scab. Armstrong.Uromyces betae (Pers.) Tul. - Rust. Coast.

Curly Top (Virus) Kelowna.

Hollow Heart (Boron defic.) Armstrong.

Fasciation (Genetic) Saanichton.

Beta vulgaris L. - Mangel.Cercospora beticola Sacc. - Leaf Spot. Coast.Phoma betae Frank - Leaf Spot, Bulb Rot, Damping-off. Coast.Ramularia beticola Fautr. & Lamb. - Leaf Spot. Coast.Rhizopus sp. - Storage Rot. Coast.Septoria betae West. - Leaf Spot. Saanichton.Stemphylium botryosum Wallr. - Leaf Spot. Coast.Uromyces betae (Pers.) Tul. - Rust. Coast.

Brown Heart, Crown Rot (Boron defic.) Coast, Grand Forks.

Girdling (Physiol.) Tap roots of young plants. Langley.

Mosaic (Virus) Coast.

Beta vulgaris L. - Garden Beet.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Coast.

Ascochyta betae Prill. & Delacr. - Leaf Spot. Coast.

Cercospora beticola Sacc. - Leaf Spot. Coast.

Peronospora farinosa (Fr.) Fr. - Downy Mildew. Coast, Grand Forks.

Phoma betae Frank - Leaf Spot, Bulb Rot. Coast.

Ramularia beticola Fautr. & Lamb. - Leaf Spot. Coast.

Uromyces betae (Pers.) Tul. - Rust. Coast.

Dry Rot, Root Canker (Boron defic.) Coast, Grand Forks, OK.

Beta vulgaris L. - Swiss Chard.

Phoma betae Frank - Leaf Spot. Coast.

Ramularia beticola Fautr. & Lamb. - Leaf Spot. Coast.

Septoria betae West. - Leaf Spot. Coast.

Uromyces betae (Pers.) Tul. - Rust. Coast.

Dead Heart, Tip-burn (Boron defic.) Summerland.

Brassica napobrassica Mill. - Swede Turnip, Rutabaga.

Erysiphe polygoni DC. ex Mérat - Powdery Mildew. Coast.

Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Coast.

Phytophthora megasperma Drechs. - Bulb Rot. Coast.

Phoma lingam (Tode ex Fr.) Desm. - Dry Rot. General.

Plasmodiophora brassicae Woron. - Club Root. Coast.

Pythium ultimum Trow - Storage Rot. Coast.

Sclerotinia sclerotiorum (Lib.) de By. - Stalk Rot, Root Rot. Coast.

Xanthomonas campestris (Pam.) Dows. - Black Rot. Pemberton.

Brown Heart (Boron defic.) Coast, OK.

Elephant Hide (Physiol.) Denman Id.

Brassica oleracea L. var. acephala L. - Kale.

Erysiphe polygoni DC. ex Mérat - Powdery Mildew. Coast.

Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Coast.

Plasmodiophora brassicae Woron. - Club Root. Coast.

Mosaic (Virus) Coast.

Brassica oleracea L. var. botrytis L. - Cauliflower.

Alternaria brassicicola (Schw.) Wiltsh. - Black Leaf Spot. Coast.

Botrytis cinerea Pers. ex Fr. - Flower Die-back, Curd Mold. Coast.

Erwinia carotovora (L.R. Jones) Holland - Bacterial Curd Rot. Coast.

Mycosphaerella brassicicola (Duby) Lindau - Ring Spot. Coast.

Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Coast.

Plasmodiophora brassicae Woron. - Club Root. Coast.

Rhizoctonia solani Kühn - Wire Stem, Damping-off. Coast

Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot, Wilt. Coast.

Blindness (Genetic) Curd fails to develop. Coast.

Mosaic (Virus) Coast.

Whiptail (Molybdenum defic.) Seedlings in swales. Coast.



Brassica oleracea L. var. capitata L. - Cabbage.

- Albugo cruciferarum S.F. Gray - White Rust. VI.  
Alternaria brassicicola (Schw.) Wiltsh. - Black Spot. Coast.  
Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot. Coast.  
Heterosporium variabile Cke. - Leaf Mold. Terrace.  
Mycosphaerella brassicicola (Duby) Lindau - Ring Spot. Coast.  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Coast.  
Phoma lingam (Tode ex Fr.) Desm. - Blackleg, Leaf Spot. Coast, Prince George.  
Plasmodiophora brassicae Woron. - Club Root. Armstrong, Coast.  
Rhizoctonia solani Kühn - Head Rot. Terrace.  
Sclerotinia sclerotiorum (Lib.) de By. - Head Rot. Coast.  
Fasciation (Genetic) Coast: on seed plants.  
Mosaic (Virus) Coast.  
Oedema (Physiol.) Coast.  
Whiptail (Molybdenum defic.) Coast: in seedlings.

Brassica oleracea L. var. gemmifera Zenker - Brussels Sprouts.

- Mycosphaerella brassicicola (Duby) Lindau - Ring Spot. Coast.  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Coast.

Brassica oleracea L. var. italica Plenck - Winter Cauliflower, Broccoli, Calabrese.

- Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Poplar.  
Alternaria brassicae (Berk.) Sacc. - Grey Leaf Spot. Coast.  
Alternaria brassicicola (Schw.) Wiltsh. - Black Leaf Spot. Coast: on leaves and curd.  
Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.  
Mycosphaerella brassicicola (Duby) Lindau - Ring Spot. Coast.  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew. Coast.  
Plasmodiophora brassicae Woron. - Club Root. Coast.

Brassica pekinensis Rupr. - Chinese Cabbage.

- Plasmodiophora brassicae Woron. - Club Root. Coast.

Brassica rapa L. - Turnip.

- Alternaria brassicae (Berk.) Sacc. - Grey Leaf Spot. Coast.  
Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.  
Plasmodiophora brassicae Woron. - Club Root. Coast.  
Rhizoctonia solani Kühn - Bulb Rot. Coast.  
Typhula umbrina Remsb. - Bulb Rot. Pemberton.  
Mosaic (Virus) Coast.  
Brown Heart (Boron defic.) Coast.

Bromus carinatus Hook & Arn. - Brome Grass.

- Passalora graminis (Fekl.) Hoehn. - Brown Stripe. Coast.  
Puccinia recondita Rob. ex Desm. - Rust. Coast.  
Puccinia striiformis Westd. - Stripe Rust. Coast.

Bromus erectus Huds. - Erect Brome.

- Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Bromus inermis Leyss. - Smooth Brome, Hungarian Brome.

Claviceps purpurea (Fr.) Tul. - Ergot. Coast.

Passalora graminis (Fckl.) Hoehn. - Brown Stripe. Coast.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Bromus mollis L. - Soft Brome.

Puccinia recondita Rob. ex Desm. - Rust. Coast.

Ustilago bullata Berk. - Head Smut. Coast.

Bromus sp. - Brome Grass.

Drechslera bromi (Died.) Shoem. - Leaf Blight. Creston.

Browallia viscosa HBK. - Browallia.

Verticillium dahliae Kleb. - Wilt. OK.

Buxus sempervirens L. - Common Box.

Macrophoma candollei (Berk. & Br.) Berl. & Vogl. - Leaf Blight. Agassiz.

Phomopsis stictica (Berk. & Br.) Trav. - Leaf and Twig Blight. Agassiz.

Phyllostica sp. - Leaf Spot. Agassiz.

Callistephus chinensis (L.) Nees - China Aster.

Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.

Fusarium oxysporum Schlecht. f. callistephi (Beach)

Snyd. & Hans. - Wilt. General.

Oidium sp. - Powdery Mildew. OK.

Phytophthora cryptogea Pethyb. & Laff. - Foot Rot. Coast.

Verticillium dahliae Kleb. - Wilt. OK.

Aster Yellows (Virus) OK, Agassiz, Sooke, Cowichan.

Camellia japonica L. - Camellia.

Hendersonia sp. - Leaf Spot. VI.

Sun Scald (Physiol.) Coast.

Campanula medium L. - Canterbury Bell.

Ramularia macrospora Fres. - Leaf Spot. VI.

Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. VI.

Peloroïdy (Genetic) monstrous terminal flower. Coast.

Yellows (?Virus) Victoria.

Campanula persicifolia L. - Willow leaved Campanula.

Coleosporium campanulae Lévl. ex Kickx - Rust. Coast.

Capsicum frutescens L. - Sweet Pepper.

Botrytis cinerea Pers. ex Fr. - Stem Rot, Wilt. VI.

Pythium ultimum Trow - Leak. OK.

Sclerotinia sclerotiorum (Lib.) de By. - Pod Rot. Coast.

Stemphylium consortiale (Thuem.) Groves & Skolko - Pod Spot, Pod Rot. Coast.

Verticillium dahliae Kleb. - Wilt. OK.

Blossom-end Rot (Physiol.) OK.

Chlorosis (Virus) OK.

- Capsicum frutescens L. var. conoides Irish - Christmas Pepper.  
Oedema (Physiol.) Coast: in greenhouse.
- Carum carvi L. - Caraway.  
Aster Yellows (Virus) Grand Forks.
- Castanea dentata (Marsh.) Borkh. - American Chestnut.  
Endothia parasitica (Murr.) P.J. & H.W. Anderson - Blight.  
Agassiz: on single imported tree.
- Catalpa speciosa Warder - Catalpa, Bean Tree.  
Botrytis cinerea Pers. ex Fr. - Leaf & Pod Blight. Vancouver.
- Gentaurea cyanus L. - Cornflower, Bachelor's Button.  
Puccinia cyani Pass. - Rust. Coast.  
Septoria centaureicola Brun. var. brevispora Pk. - Leaf Spot.  
Langley.
- Chaenomeles japonica (Thunb.) Lindl. - Dwarf Japanese Quince,  
"Japonica".  
Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom Blight. Sidney.
- Chaenomeles lagenaria (Loisel.) Koidz. - Tall Flowering Quince.  
"Japonica",  
Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall.  
Vancouver.
- Chaenomeles sp. - Flowering Quince.  
Podosphaera sp. - Powdery Mildew. Sidney.
- Cheiranthus cheiri L. - Wallflower.  
Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew.  
Coast.  
Phytophthora megasperma Drechs. - Foot Rot. Coast.
- Choisya ternata Kunth. - Mexican Orange.  
Nectria cinnabarina (Tode ex Fr.) Fr. - Die-back. Victoria.
- Chrysanthemum frutescens L. - Marguerite, Paris Daisy.  
Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall.  
Coast.
- Chrysanthemum maximum Ramond - Shasta Daisy.  
Septoria chrysanthemi Allesch. - Leaf Spot. VI.
- Chrysanthemum morifolium (Ramat.) Hemsl. - Chrysanthemum.  
Botrytis cinerea Pers. ex Fr. - Ray Blight. Coast.  
Erysiphe cichoracearum DC. ex Méral - Powdery Mildew. Coast.  
Puccinia chrysanthemi Roze - Rust. Coast.  
Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. Coast.  
Septoria chrysanthemi Allesch. - Leaf Spot. Coast.  
Verticillium dahliae Kleb. - Wilt. Coast.  
Aster Yellows (Virus) Salmon Arm.  
Mosaic (Virus) Coast.



Clarkia amoena (Lehm.) Nels. & Macbr. - Godetia.

Pucciniastrum pustulatum (Pers.) Diet. - Rust. VI.

Clarkia elegans Dougl. - Clarkia.

Peronospora arthuri Farl. - Downy Mildew. VI.

Clematis jackmani Th. Moore - Jackman's Clematis.

Erysiphe polygoni DC. ex Mérat - Powdery Mildew. Victoria.

Clematis ligusticifolia Nutt. - Traveller's Joy.

Cercospora squalidula Pk. - Leaf Spot. Skaha Lake.

Didymaria clematidis Cke. & Harkn. - Leaf Spot. Skaha Lake.

Puccinia recondita Rob. ex Desm. - Rust. OK.

Mosaic (Virus) Cache Creek.

Clivia miniata Regel - Clivia.

Colletotrichum himantophylli Kab. & Bub. - Anthracnose.

Victoria.

Colchicum autumnale L. - Autumn Crocus, Colchicum.

Urocystis colchici (Schlecht.) Rabh. - Leaf Smut. Deep Cove:  
on imported corms.

Convallaria majalis L. - Lily-of-the-Valley.

Botrytis sp. - Rhizome Rot, Leaf Blight. New Westminster.

Coreopsis grandiflora Nutt. - Coreopsis.

Sphaerotheca macularis (Wallr. ex Fr.) P. Magn. - Powdery  
Mildew. Summerland.

Corylus avellana L. - Hazelnut, Filbert, Cobnut.

Phomopsis revellens (Sacc.) Hoehn. - Canker. Sumas Prairie.

Xanthomonas coryli P.W. Miller et al. - Bacterial Blight. LFV.

Cosmos bipinnatus Cav. - Cosmos.

Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. Duncan.

Cotoneaster francheti Bois. - Cotoneaster.

Phytophthora cactorum (Leb. & Cohn) Schroet. - Dark Berry. Coast.

Cotoneaster frigida Lindl. - Cotoneaster.

Nectria cinnabarina (Tode ex Fr.) Fr. - Twig Blight. Coast.

Cotoneaster horizontalis Dcne. - Fan-branched Cotoneaster.

Phytophthora cactorum (Leb. & Cohn) Schroet. - Dark Berry. Coast.

Cotoneaster simonsii Baker - Cotoneaster.

Cytospora ambiens Sacc. - Twig Blight. VI.

Crataegus oxyacantha L. - English Hawthorn, May Tree.

- Erwinia amylovora (Burr.) Winslow et al. - Fire Blight. LFV.  
Fabraea maculata Atk. - Leaf Scald. Coast.  
Gymnosporangium clavariiforme (Pers.) DC. - Rust. Courtenay.  
Podosphaera clandestina (Wallr. ex Fr.) Lévl. - Powdery Mildew.  
 Coast.

Crataegus sp. - Hawthorn.

- Gymnosporangium betheli Kern - Rust. Grand Forks.

Crocus spp. - Crocus.

- Alternaria sp. - Leaf Spot. Keating.  
Botrytis cinerea Pers. ex Fr. - Petal Spot, Stem Rot, Corm Rot.  
 Coast.  
Heterosporium sp. - Leaf Spot. Keating.  
Penicillium sp. - Corm Rot. Coast.  
 Mosaic (Virus) Coast.

Cucumis melo L. var. inodorus Naud. - Melon, Honeydew Melon.

- Fusarium oxysporum Schlecht. f. melonis (Leach & Currence)  
 Syd. & Hans. - Fusarium Wilt. VI.  
Pythium ultimum Trow - Damping-off, Fruit Rot. VI.

Cucumis melo L. var. reticulatus Naud. - Cantaloupe.

- Alternaria sp. - Leaf Spot. Coast.  
Fusarium sp. - Wilt. Lillooet, OK.  
Pythium ultimum Trow - Root Rot. Coast.  
Verticillium dahliae Kleb. - Wilt. Osoyoos, VI.  
 Internal Breakdown (Physiol.) OK.

Cucumis sativus L. - Cucumber.

- Alternaria cucumerina (Ell. & Ev.) Elliott - Leaf Spot. Coast.  
Alternaria tenuis auct. - Leaf Spot. LFV.  
Ascochyta cucumeris Fautr. & Roum. - Leaf Spot. Ladysmith.  
Botrytis cinerea Pers. ex Fr. - Fruit Rot. Coast: in greenhouse.  
Cladosporium cucumerinum Ell. & Arth. - Fruit Scab. Lulu Id.  
Oidium sp. - Powdery Mildew. Coast, OK.  
Pseudomonas lachrymans (E.F. Sm. & Bryan) Carsner - Angular  
 Leaf Spot. Osoyoos.  
Pythium sp. - Cottony Leak. Coast.  
Rhizoctonia solani Kühn - Damping-off. LFV.  
Sclerotinia sclerotiorum (Lib.) de By. - Wilt. OK: mainly in  
 greenhouses.  
 Bitterness (Genetic) Coast.

Cucurbita maxima Dcne. - Winter Squash.

- Alternaria sp. - Leaf Spot. VI.  
Fusarium oxysporum Schlecht. - Seedling Spot. Saanichton.  
Mycosphaerella melonis (Pass.) Chiu & Walker. - Black Rot,  
 Seedling Wilt. Coast.  
Oidium sp. - Powdery Mildew. Coast, OK.  
Septoria cucurbitacearum Sacc. - Leaf Spot. Victoria.  
Verticillium dahliae Kleb. - Wilt. OK.  
 Curly Top (Virus) OK.

Cucurbita pepo L. - Vegetable Marrow, Pumpkin, Zucchini Squash.Alternaria sp. - Leaf Spot. Marpole.Ascochyta cucumeris Fautr. & Roum. - Leaf Spot. Coast.Botrytis cinerea Pers. ex Fr. - Grey Mold Seed Decay. Duncan.Oidium sp. - Powdery Mildew. Coast, Summerland.

Bitterness (Genetic) Coast.

Curly Top (Virus) Grand Forks, OK.

Fasciation (Genetic) Summerland.

Cyclamen persicum Mill. - Florist's Cyclamen.Botrytis cinerea Pers. ex Fr. - Flower & Bud Blast. Coast.Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot. Saanichton.Cydonia oblonga Mill. - Quince.Erwinia amylovora (Burr.) Winslow et al. - Fire Blight. Whomock.Fabraea maculata Atk. - Leaf Blight, Scald. Coast.Cynosurus cristatus L. - Crested Dogtail.Passalora graminis (Fckl.) Hoehn. - Brown Stripe. VI.Cytisus scoparius (L.) Link - Scotch Broom.Helminthosporium velutinum Lk. - Leaf Spot. DAVFP Malahat.

Fasciation (Genetic) Vancouver.

Dactylis glomerata L. - Orchard Grass, Cocksfoot.Claviceps purpurea (Fr.) Tul. - Ergot. Sumas.Dinemasporium graminum Lévl. - Leaf Spot. Coast.Erysiphe graminis DC. ex Mérat - Powdery Mildew. Coast.Fusarium culmorum (W.G. Sm.) Sacc. - Crown Rot complex. VI.Lophodermium arundinaceum (Schrad. ex Fr.) Chev. - Leaf Spot. DAVFP Cordova Bay.Mastigosporium rubricosum (Dearn. & Barth.) Nannf. - Eye Spot, Purple Leaf Spot. Coast.Passalora graminis (Fckl.) Hoehn. - Brown Stripe. Coast.Puccinia graminis Pers. - Stem Rust. Coast.Sclerophthora cryophila W. Jones - Downy Mildew. Sumas, VI.Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.Uromyces dactylidis Otth - Rust. VI.Ustilago striiformis (West.) Niessl - Stripe Smut. VI.Dahlia variabilis (Willd.) Desf. - Dahlia.Botrytis cinerea Pers. ex Fr. - Flower & Bud Blight. Coast.Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot. Coast.

Mosaic (Virus) Coast, Kelowna.

Ringspot (Virus) Vancouver.

Daphne cneorum L. - Garland Flower.

Fasciation (Genetic) Vancouver.

Daphne mezereum L. - Mezereon.Botrytis cinerea Pers. ex Fr. - Blossom Blight. Elk Lake.Marssonina daphnes Magn. - Leaf Spot, Anthracnose. Coast.



Daphne odora Thunb. var. marginata ? - Scented Daphne.

Fasciation (Genetic) Vancouver.

Daucus carota L. - Carrot.Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall.  
Vancouver.Alternaria dauci (Kuhn) Groves & Skolko - Leaf Blight.  
Grand Forks, Coast.Cercospora carotae (Pass.) Solh. - Leaf Spot. Armstrong.Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot.  
General.Phytophthora megasperma Drechs. - Root Rot. Matsqui.Rhizoctonia crocorum (Pers.) DC. ex Fr. - Violet Root Rot. Comox.Sclerotinia sclerotiorum (Lib.) de By. - Cottony Rot, Soft Rot.

General.

Stemphylium radicinum (Meier, Drechs. & Eddy) Neerg. - Black Rot.  
Coast, Grand Forks, OK.Xanthomonas carotae (Kendr.) Dows. - Bacterial Blight.

Grand Forks, OK.

Aster Yellows (Virus) Grand Forks.

Delphinium cultorum Voss - Perennial Delphinium.Botrytis cinerea Pers. ex Fr. - Flower Blight. Coast.Erwinia carotovora (L.R. Jones) Holland - Blackleg, Foot Rot.  
Coast.Oidium sp. Powdery Mildew. Coast, OK.Pseudomonas delphinii (E.F. Sm.) Stapp - Bacterial Leaf Spot.  
Salmon Arm, Coast.

Aster Yellows (Virus) Sooke.

Fasciation (Genetic) Langley Prairie.

Mosaic (Virus) Coast.

Ringspot (Virus) Coast.

Dianthus barbatus L. - Sweet William.Heterosporium echinulatum (Berk.) Cke. - Leaf Spot, Ringspot.  
Coast.Dianthus caryophyllus L. - Carnation.Alternaria dianthi F.L. Stev. & Hall - Branch Rot,  
Damping-off. VI.Cladosporium elatum (Harz) Nannf. - Leaf Blight. Coast.Fusarium equiseti (Cda.) Sacc. - Wilt. VI.Fusarium oxysporum Schlecht. f. dianthi (Prill. & Delacr.)  
Snyd. & Hans. - Wilt. LFV.Fusarium poae (Pk.) Wr. - Bud Blight. VI.Heteropatella valtellinensis (Trav.) Wr. - Leaf Rot. Coast.Heterosporium echinulatum (Berk.) Cke. - Leaf Spot. Ringspot.  
Coast.Pseudomonas woodsii (E.F. Sm.) Stapp - Bacterial Leaf Spot. Coast.Uromyces dianthi (Pers.) Niessl - Rust. Coast, OK.

Blindness (Boron defic.) Victoria: in greenhouse.

Digitalis lanata Ehrh. - Foxglove.Colletotrichum fuscum Laub. - Anthracnose. VI.Pythium sp. - Stem & Crown Rot. VI.Verticillium sp. - Wilt. VI.Digitalis purpurea L. - Foxglove.Ramularia variabilis Fckl. - Leaf Spot. Coast.Peloroidy (Genetic) - monstrous terminal flower. Coast, Summerland.Echinocystis lobata (Michx.) Torr. & Gray - Mock Cucumber.Verticillium dahliae Kleb. - Wilt. Kelowna.

[Wild; → Pr. 2]

Eleagnus angustifolia L. - Oleaster, Russian Olive.Puccinia caricis-shepherdiae J.J. Davis - Rust. Summerland.Elymus sibiricus L. - Siberian Wild Rye.Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.Eranthis hyemalis (L.) Salisb. - Winter Aconite.Urocystis eranthis (Pass.) Ainsw. & Samps. - Leaf Smut. Victoria.Euonymus alatus (Thunb.) Sieb. - Winged Spindle Berry.Diplodia ramulicola Desm. - Twig Blight. North Saanich.Gloeosporium sp. - Twig Blight. Sidney.Fagopyrum esculentum Moench - Buckwheat.

Leaf Spot (Physiol.) Clayburn: after flood.

Festuca elatior L. - Meadow Fescue.Claviceps purpurea (Fr.) Tul. - Ergot. Sumas.Drechslera dictyoides (Drechs.) Shoem. - Net Blotch. LFV.Puccinia poae-nemoralis Oth - Rust. Coast.Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.Festuca rubra L. - Red Fescue.Fusarium poae (Pk.) Wr. - Silver Top. Dawson Creek.Phyllachora silvatica Sacc. & Speg. - Tarr Spot. VI.Ficus carica L. - Fig.Botrytis cinerea Pers. ex Fr. - Twig Blight. Coast.Ficus elastica Roxbg. vars. - Rubber Plant.Glomerella cingulata (Ston.) Spauld. & Schrenk - Anthracnose. Victoria.Forsythia sp. - Forsythia.Pseudomonas syringae van Hall - Bacterial Blight. Victoria, Vancouver.

Fragaria chiloensis Duch. var. ananassa Bailey - Strawberry.

Armillaria mellea (Fr.) Kummer - Crown Rot, Shoestring Fungus.  
Coast: on newly cleared land.

Botrytis cinerea Pers. ex Fr. - Fruit Rot. General.

Diachea leucopodia (Bull.) Rostr. - Slime Mold (saprophyte)  
Yarrow: swarming up on leaves to sporulate.

Diplocarpon earliana (Ell. & Ev.) Wolf - Leaf Scorch.

Gnomonia fructicola (Arn.) Fall - Leaf Blotch. Coast.

Mycosphaerella fragariae (Tul.) Lindau - Leaf Spot. General.

Phytophthora fragariae Hickman - Red Stele, Brown Core,  
Root Rot. Coast, KOOT.

Rhizoctonia solani Kühn - Root Rot. General: part of the root  
rot complex.

Rhizopus stolonifer (Ehr. ex Fr.) Vuill. - Fruit Rot. Coast.

Sphaerotheca macularis (Wallr. ex Fr.) P. Magn. - Powdery  
Mildew. General.

Verticillium albo-atrum Reinke & Berth. - Wilt. Coast.

Verticillium dahliae Kleb. - Wilt. Summerland.

Black Eye (Physiol.) - Frost Injury. Coast.

Chlorosis (Iron defic.) OK, Grand Forks, LFV.

VIRUS DISEASES

## Crinkle

Green Petal: seen only on imported plants.

Latent-A ) symptomless on commercial varieties but may

Latent-C ) intensify symptoms when another virus is present.

Tobacco Necrosis Soil-borne: seen only in greenhouse.

Veinbanding (Veinbanding plus Latent-A).

Witches' Broom

Xanthosis, Yellows (Mild Yellow Edge plus Mottle)

Freesia hybrida Hort. - Freesia.

Mosaic (Virus) Coast: on plants from imported corms.

Fuchsia sp. - Fuchsia.

Verticillium albo-atrum Reinke & Berth. - Wilt. Victoria.

Gaillardia pulchella Foug. - Gaillardia.

Aster Yellows (Virus) VI.

Gaillardia sp. - Gaillardia.

Entyloma sp. - White Smut. Royal Oak.

Gardenia sp. - Gardenia.

Bud Drop (Physiol.) Vancouver: on house plants.

Geum chiloense Balb. - Geum.

Peronospora potentillae de By. - Downy Mildew. Saanich.



Gladiolus hortulanus Bailey - Gladiolus.

- Botrytis cinerea Pers. ex Fr. - Petal Spot. Coast: in greenhouses.  
Botryotinia draytoni Buddin & Wakef. - Corm Rot, Flower Spot, Leaf Spot. General.  
Fusarium oxysporum Schlecht. f. gladioli (Massey) Snyder & Hans. - Corm Rot. General.  
Penicillium spp. - Storage Corm Rot. General.  
Pseudomonas marginata (McCull.) Stapp - Leaf Spot, Neck Rot, Corm Scab. General.  
Septoria gladioli Pass. - Leaf Spot, Hard Corm Rot. General.  
Stromatinia gladioli (Drayt.) Whet. - Dry Corm Rot, Basal Stem Rot. Coast.  
 Mosaic (Virus) General: no separation yet attempted.

Glycine max (L.) Merr. - Soybean.

- Ascochyta sp. - Leaf Spot. Agassiz.  
Fusarium sp. - Wilt. Agassiz.  
Peronospora manshurica (Naum.) Syd. ex Gdum. - Downy Mildew. Coast.  
Phyllosticta glycinea Tehon & Daniels - Leaf Spot. Agassiz.  
Pseudomonas glycinea Coerper - Bacterial Blight. Agassiz.  
 Curly Top (Virus) OK.  
 Mosaic (Virus) Coast, OK.

Hebe cupressoides Cockayne & Allan - New Zealand Veronica.

- Rhizoctonia solani Kühn - Root Rot. Victoria.

Hedera colchica K. Koch var. dentata Hibb. - Cut-leaf Ivy.

- Ramularia hedericola Heald & Wolf - Leaf Spot. Victoria.

Hedera helix L. - English Ivy.

- Amerosporium trichellum (Fr.) Lind - Leaf Spot. VI.  
Phyllosticta concentrica Sacc. - Target Spot. Coast.

Helianthus annuus L. - Sunflower.

- Sclerotinia sclerotiorum (Lib.) de By. - Stem & Foot Rot. General.  
Verticillium dahliae Kleb. - Wilt. OK.

Helianthus decapetalus L. - Perennial Sunflower.

- Erysiphe cichoracearum DC. ex Méral - Powdery Mildew. Victoria.

Helianthus tuberosus L. - Jerusalem Artichoke.

- Oidium sp. - Powdery Mildew. Vancouver.  
Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. Vancouver.

Helleborus niger L. - Christmas Rose, Hellebore.

- Coniothyrium hellebori Cke. & Mass. - Target Spot. Coast.

Hippeastrum sp. - Amaryllis.

- Stagonospora curtisii (Berk.) Sacc. - Leaf Scorch. Victoria.

Hordeum vulgare L. - Barley.Bipolaris sorokiniana (Sacc. in Sorok.) Shoem. - Blotch. Coast.Claviceps purpurea (Fr.) Tul. - Ergot. Salmon Arm. Coast.Drechslera graminea (Rab. ex Schlecht.) Shoem. - Stripe.

Coast, Lillooet.

Erysiphe graminis DC. ex Mérat - Powdery Mildew. General.Puccinia hordei Otth - Rust. General.Rhynchosporium secalis (Oud.) J.J. David - Scald. Coast,  
Dawson Creek.Ustilago hordei (Pers.) Lagh. - Covered Smut. General.Ustilago nuda (Jens.) Rostr. - Loose Smut. General.

Barley Yellow Dwarf (Virus) Fort St. John, Salmon Arm.

False Stripe (Physiol.) Agassiz, Saanichton.

Humulus lupulus L. - Hop.Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown  
Gall. LFV.Fumago vagans Pers. ex Fr. - Sooty Mold. LFV.Pseudoperonospora humuli (Miy. & Tak.) G.W. Wils. - Downy  
Mildew. General.Pythium sp. - Black Rot. Lillooet.Rhizoctonia solani Kühn - Shoot Kill. LFV.Verticillium dahliae Kleb. - Wilt. Sardis, OK.

Chlorosis (?Virus) Sardis, Agassiz, Sumas.

Hyacinthus orientalis L. - Common Hyacinth.Dactylosporium macropus Cda. - Leaf Spot. Saanichton.Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot,  
Slime. Coast.Uromyces muscari (Duby) Lévl. - Rust. Sidney.Xanthomonas hyacinthi (Walck.) Dows. - Yellow. Coast.Hydrangea sp. - Hydrangea.Oidium sp. - Powdery Mildew. Haney, Victoria: in greenhouse.Sclerotinia sclerotiorum (Lib.) de By. - Shoot Rot. Coast.Ilex aquifolium L. - English Holly.Bovdia insculpta (Oud.) Grove - Branch Canker, Die-back.  
Saanich, Victoria.Fumago vagans Pers. ex Fr. - Sooty Mold. Coast.Phoma sp. - Leaf Spot. Saanich.Phytophthora ilicis Buddenh. & R.A. Young - Leaf & Twig Blight.  
Coast.Trochila ilicis (Chev.) Rehm - Leaf Spot. Coast.Alga (Protococcus sp.) Coast: on leaves and twigs.

Red Spot: Copper spray injury on young leaves. Coast.

Impatiens balsamina L. - Garden Balsam, Touch-me-not.Stemphylium botryosum Wallr. - Target Spot. Vancouver.Ipomoea sp. - Morning Glory.Verticillium dahliae Kleb. - Wilt. Summerland.

Iris spp. - German Iris, Common Flag (rhizomatous).

Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.

Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot. Coast.

Heterosporium gracile Sacc. - Leaf Spot. General.

Iris spp. - Dutch Iris, Spanish Iris (bulbous).

Heterosporium gracile Sacc. - Leaf Spot. Coast.

Mystrosporium adustum Mass. - Ink Disease. Coast.

Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. Coast.

Sclerotium tuliparum Kleb. - Grey Bulb Rot. Coast.

Mosaic (Virus) Coast.

Juglans cinerea L. - Butternut.

Marssonina juglandis (Lib.) P. Magn. - Leaf Blotch. Coast.

Juglans regia L. - English Walnut, Persian Walnut.

Fusarium lateritium Nees ex Fr. - Branch Die-back. Saanich.

Microstroma juglandis (Bereng.) Sacc. - White Mold, Downy Spot. Coast.

Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew. Kaledon.

Xanthomonas juglandis (Pierce) Dows. - Bacterial Blight. Coast.

Juniperus chinensis L. var. pfitzeriana Spaeth. - Pfitzer's Juniper.

Pestalotia funerea Desm. - Twig Die-back. Coast.

Juniperus chinensis L. var. plumosa Hornibr. - Chinese Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.

DAVFP Victoria.

Juniperus communis L. var. hibernica Gord. - Juniper.

Gymnosporangium clavariiforme (Pers.) DC. - Rust. DAVFP

General.

Juniperus sabina L. var. sabina - Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.

DAVFP Victoria.

Juniperus sabina L. var. tamariscifolia Ait. - Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.

DAVFP Victoria.

Juniperus sabina L. var. variegata (West.) Audub. - European Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.

DAVFP Victoria.

Juniperus squamata Lamb. var. fargesii Rehd. & Wils. - Scaly Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.

DAVFP Victoria.

Juniperus squamata Lamb. var. prostrata Hornibr. - Prostrate Scaly Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.

DAVFP Victoria.

Juniperus squamata Lamb. var. meyeri Rehd. - Meyer's Juniper.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.  
DAVFP Victoria.

Juniperus virginiana L. - Red Cedar.

Gymnosporangium betheli Kern - Rust. VI.

Juniperus spp. - Cultivated Prostrate Junipers.

Gymnosporangium fuscum Hedw. in DC. - Trellis Rust.  
Victoria, Chilliwack.

Phoma sp. - Twig Blight. DAVFP White Rock.

Lactuca sativa L. - Lettuce.

Botrytis cinerea Pers. ex Fr. - Grey Mold: on seed heads. General.

Bremia lactucae Regel - Downy Mildew: on seed plants. Coast,  
Grand Forks, Nth. OK.

Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot.  
General: as a market disease.

Marssonina panattoniana (Berl.) P. Magn. - Leaf Spot,  
Anthracnose. Coast.

Sclerotinia sclerotiorum (Lib.) de By. - Soft Rot, Root Rot.  
General.

Aster Yellows (Virus) OK.

Mosaic (Virus) General.

Phyllody (Genetic) Coast: on flower heads.

Tipburn (Physiol.) General.

Lactuca sativa L. var. asparagina Bailey - Celtuce.

Alternaria sp. - Damping-off. Saanichton.

Lagenaria siceraria Standl. - Zucca Melon.

Curly Top (Virus) Summerland.

Lathyrus odoratus L. - Sweet Pea.

Erysiphe polygoni DC. ex Mérat - Powdery Mildew. Coast.

Mycosphaerella tassiana (de N.) Johans. - Leaf Spot. Coast.

Ramularia deusta (Fckl.) Baker et al. - Leaf Spot, White Mold,  
Coast.

Verticillium dahliae Kleb. - Wilt. OK.

Mosaic (Virus) Coast.

Lathyrus sylvestris L. - Flat Pea.

Ascochyta pisi Lib. - Leaf Spot. Saanichton.

Lavandula officinalis Chaix - Lavender.

Septoria lavandulae Desm. - Leaf Spot. Brentwood.



Lawns and Turf: all records from the Coast.

Colletotrichum graminicola (Ces.) G.W. Wils. - Anthracnose.  
Corticium fuciforme (Berk.) Wakef. - Red Thread, Pink Patch.  
Fusarium nivale (Fr.) Ces. - Snow Mold.  
Marasmius oreades Fr. - Fairy Ring Mushroom.  
Physarum cinereum (Batsch) Pers. - Slime Mold.  
Puccinia graminis Pers. - Rust.  
Puccinia poae-nemoralis Oth - Rust.  
Pythium sp. - Blight, Damping-off; on new lawns.  
Rhizoctonia solani Kühn - Brown Patch.  
Sclerotinia homoeocarpa F.T. Bennett - Dollar Spot.

Ligustrum vulgare L. - Privet.

Cercospora howittii Dearn. - Leaf Spot. Coast.

Lilium auratum Lindl. - Golden-banded Lily.

Rhizopus sp. - Bulb Soft Rot. VI.

Lilium candidum L. - Madonna Lily.

Botrytis elliptica (Berk.) Cke. - Leaf Spot. Coast.

Necrotic Fleck (Virus) Vancouver.

Rosette (Virus) Vancouver.

Lilium humboldtii Roetzl. & Leichtl. - Humboldt's Tiger Lily.

Botrytis elliptica (Berk.) Cke. - Leaf Spot. Coast.

Lilium longiflorum Thunb. - Croft Lily, Bermuda Lily, Easter Lily.

Botrytis elliptica (Berk.) Cke. - Leaf Spot. Coast.

Uromyces holwayi Lagh. - Rust. Coast.

Fasciation (Genetic) Coast.

Mosaic (Virus) Coast.

Lilium pardalinum Kell. - Leopard Lily.

Uromyces holwayi Lagh. - Rust. Crawford Bay.

Lilium regale Wilson - Regal Lily.

Botrytis elliptica (Berk.) Cke. - Leaf Spot. Coast.

Fasciation (Genetic) VI.

Lilium speciosum Thunb. - Showy Lily.

Botrytis elliptica (Berk.) Cke. - Leaf Spot. Coast.

Fasciation (Genetic) Coast.

Limonium latifolium (J.E. Sm.) Kuntze - Sea Lavender, Statice.

Uromyces limonii (DC.) Lévl. - Rust. Brentwood.

Linum usitatissimum L. - Flax.

Melampsora lini (Pers.) Lévl. - Rust. Ladner.

Pellicularia praticola (Pat.) Flentje - Stem Canker, Root Rot.  
 Peace River.

Septoria linicola (Speg.) Garassini - Rust Blotch, Pasm.  
 General.

Wither-top (Physiol.) Coast.

Lolium multiflorum Lam. - Italian Ryegrass.Claviceps purpurea (Fr.) Tul. - Ergot. Coast.Puccinia coronata Cda. - Crown Rust. Coast.Ramularia pusilla Unger - Eye Spot, Leaf Spot. Coast.Lolium perenne L. - Perennial RyegrassClaviceps purpurea (Fr.) Tul. - Ergot. Coast.Puccinia coronata Cda. - Crown Rust. Coast.Ramularia pusilla Unger - Eye Spot, Leaf Spot. Coast.Rhynchosporium secalis (Oud.) J.J. Davis - Scald. Saanich.Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.Lonicera periclymenum L. - Honeysuckle, Woodbine.Microphaera penicillata (Wallr. ex Fr.) Lévl. - Powdery Mildew. Coast.Lotus corniculatus L. - Birdsfoot Trefoil.Phoma sp. - Leaf & Stem Spot. Saanich.Sclerotinia trifoliorum Eriks. - Wilt. Saanich.

Witches' Broom (Virus) Prince George.

Lunaria annua L. - Honesty.Helminthosporium lunariae Poll. - Leaf Spot. Saanichton.Lupinus spp. - Perennial Lupine.Ascochyta sp. - Leaf Spot. Agassiz, Haney.Erysiphe polygoni DC. ex Méral - Powdery Mildew. OK, Coast.Ovularia lupinicola F. Pollack - Leaf Spot, Eye Spot. Coast.Peronospora trifoliorum de By. - Downy Mildew. LFV.Uromyces lupini Berk. & Curt. - Rust. Coast.

Stunting (Virus) Vancouver.

Lycnis alba Mill. - White Cackle, Evening Campion.Phyllosticta lychnidis (Fr.) Ell. & Ev. - Leaf Spot. Coast.Lycnis chalconica L. - Maltese Cross.Phyllosticta lychnidis (Fr.) Ell. & Ev. - Leaf Spot. VI.Lycium chinense Mill. - Matrimony Vine.Oidium sp. - Powdery Mildew. Summerland.Lycium halimifolium Mill. - Box Thorn, Matrimony Vine.Oidium sp. - Powdery Mildew. Summerland.Lycopersicon esculentum Mill. - Tomato.Alternaria solani (Ell. & G. Martin) Sor. - Target Spot, Early Blight. Coast, Interior.Alternaria tomato (Cke.) Brinkman - Nailhead Spot, Fruit Spot. Hope.Ascochyta lycopersici Brun. - Leaf Spot. Saanichton.Botrytis cinerea Pers. ex Fr. - Grey Mold, Ghost Spot.

Coast: mainly in greenhouses.

Cladosporium fulvum Cke. - Leaf Mold. Greenhouses: Coast, Interior.Colletotrichum coccodes (Wallr.) Hughes - Anthracnose. Vernon.

Lycopersicon esculentum (cont'd.)

Corynebacterium michiganense (E.F. Sm.) H.L. Jens. - Bacterial Canker. Interior.

Phoma destructiva Plowr. - Fruit Spot, Leaf Spot, Stem Spot. VI.

Phytophthora cactorum (Leb. & Cohn) Schroet. - Stem Rot. OK.

Phytophthora infestans (Mont.) de By. - Late Blight. Coast, Interior; rare in N. Cent.

Phytophthora parasitica Dast. - Buckeye Fruit Rot. Coast: mainly in greenhouses.

Pyrenochaeta terrestris (Hans.) Gorenz, J.C. Walker & Larson - Pink Root, Wilt. LFV: in greenhouse.

Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. Interior, Coast: in greenhouses.

Septoria lycopersici Speg. - Leaf Spot. Kelowna, VI.

Verticillium dahliae Kleb. - Wilt. Semi-arid Interior. Coast.

Blossom-drop (Physiol) Coast: after high N application.

Blossom-end Rot (Physiol.) General.

Blotchy Ripening (Physiol.) Semi-arid Interior, Coast.

Fern-leaf (Virus) Coast: in greenhouses.

Flesh Necrosis (Physiol.) Coast: in greenhouses.

Leaf Curl (Physiol.) Coast.

Oedema (Physiol.) Coast: in greenhouses.

Pox (Physiol.) Coast: pitting of fruit in greenhouses.

Streak (Virus) Coast, OK: in greenhouses.

Tobacco Mosaic (Virus) General.

Yellows (Virus) Semi-arid Interior.

Malus sylvestris Mill. - Apple.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall, Hairy Root. General.

Botrytis cinerea Pers. ex Fr. - Fruit Rot. Coast, OK.

Coniosporium mali Dearn. & Foster - Leaf Scab. General.

Cylindrocarpum mali (Allosch.) Wr. - European Canker. Coast.

Erwinia amylovora (Burr.) Winslow et al. - Fire Blight.

Interior: rare at the Coast.

Ganoderma applanatum (Pers. ex Wallr.) Pat. - Heart Rot. OK.

Gloeosporium perennans Zeller & Childs - Bulls-eye Fruit Rot. OK.

Glomerella cingulata (Ston.) Spauld. & Schrenk - Bitter Rot. Coast.

Neofabraea malicorticis Jacks. - Anthracnose. Coast, Nth. OK.

Neofabraea perennans Kienh. - Perennial Canker. OK.

Penicillium expansum Lk. emend. Thom - Fruit Rot. Lillooet.

Psathyrella candolleana (Fr.) Smith - Wood Rot. Penticton.

Pholiota squarrosa (Pers. ex Fr.) Kummer - Heart Rot. Lillooet.

Phytophthora cactorum (Leb. & Cohn) Schroet. - Fruit Rot, Collar Rot. OK.

Phytophthora cambivora (Petri) Buis - Rootlet Rot. OK.

Podosphaera leucotricha (Ell. & Ev.) Salm. - Powdery Mildew. General.

Schizonhyllum commune Fr. - Wood Rot. Coast.

Sphaeropsis malorum Berk. - Black Rot of fruit. Coast.

Stigmina negundinis (Berk. & Curt.) M.B. Ellis - Canker. Summerland.

Venturia inaequalis (Cke.) Wint. in Thuem. - Scab. General.

DEFICIENCY DISEASES

Corky Core, Drought Spot & Die-back (Boron defic.) General.  
 Interveinal Chlorosis (Manganese defic.) Interior.  
 Leaf Blotch (Magnesium defic.) Interior.  
 Leaf Chlorosis, Yellowing (Iron defic.) Interior.  
 Little Leaf, Rosette (Zinc defic.) Interior.

VIRUS DISEASES & PROBABLE VIRUS DISEASES (All in OK.)

These are symptom descriptions as etiology is imperfectly known.

Apple Mosaic  
 Chat Fruit  
 Chlorotic Leaf Spot  
 Cleavage  
 Dark Scar & Leaf Puckering of Newtown (?Virus)  
 Delayed Foliation & Die-back of Spartan (probably Leaf Pucker Virus)  
 Flat Limb  
 Leaf Pucker  
 Mumps (?Virus)  
 Newtown Dimple (?Virus)  
 Platycarpa Scaly Bark  
 Ring Russetting of Newtown  
 Rubbery Wood  
 Russet Ring of Golden Delicious & Delicious (probably caused by same virus)  
 Spy 227 Leaf Pattern (considered to be Chlorotic Leaf Spot Virus by most workers)  
 Spy 227 Epinasty  
 Spy 227 Decline  
 Stayman Fruit Blotching  
 Stem Pitting (with Flute Fruit)  
 Sunken Blotch (?Virus)

Malus spp. - Ornamental & Table Crabapples.

Coniosporium mali Dearn. & Foster - Leaf Scab. Saanichton.  
Gymnosporangium sp. - Rust. Brentwood.  
Phomopsis mali Roberts - Fruit Spot. Vancouver.  
Spilocaea pomi Fr. - Common Scab. General.  
Venturia inaequalis (Cke.) Wint. in Thuem. - Scab. General.  
 Crabapple Leaf Flecking & Necrosis (Virus) OK. (probably Chlorotic Leaf Spot Virus)  
 Decline of Hyslop Crab (Virus) OK.  
 Decline of Virginia Crab (Virus) OK.

Matthiola incana (L.) R. Br. - Common Stock.

Botrytis cinerea Pers. ex Fr. - Seed-head Blight. Royal Oak.  
Oidium sp. - Powdery Mildew. Summerland.



Meconopsis betonicifolia French. var. baileyi Edwards -  
Bailey's Poppy, Thibetan Poppy.

Xanthomonas papavericola (Bryan & McWhorter) Dows. -  
Bacterial Blight. Salmon Arm.

Medicago lupulina L. - Yellow Trefoil, Black Medick.

Sclerotinia trifoliorum Eriks. - Sclerotinia Wilt, Black Rot. Coast.  
Bean Yellow Mosaic (Virus) LFV.

Medicago sativa L. - Alfalfa, Lucerne, Medick.

Ascochyta imperfecta Pk. - Black Stem. Coast, Creston,  
Fort St. John, Dawson Creek, Smithers, Edgewater.

Corynebacterium insidiosum (McCull.) H.L. Jens. - Bacterial  
Wilt. Southern Interior, Fort St. John, Vanderhoof.

Fusarium roseum Lk. emend. Snyder & Hans. - Crown Rot complex. Smithers.

Leptosphaeria pratensis Sacc. & Briard - Stem Canker. Root Rot.  
Lillooet.

Leptotrochila medicaginis (Fckl.) Schlepp - Yellow Leaf Blotch. LFV.

Peronospora trifoliorum de By. - Downy Mildew. Coast, Interior,  
Prince George.

Physoderma alfalfae (Pat. & Lagh.) Karling - Crown Wart.

Agassiz, Chilliwack, Point Grey, Saanichton.

Pseudopeziza trifolii (Fr.) Fckl. f. sp. medicaginis sativae  
Schlepp - Leaf Spot. General.

Pseudopezia trifolii (Rostr.) Petr. - Leaf Spot. Coast.

Rhizoctonia solani Kühn - Root Canker, Root Rot complex. General.

Sclerotinia trifoliorum Eriks. - Wilt, Stem Rot. Coast.

Stemphylium botryosum Wallr. - Leaf Spot. Coast.

Verticillium dahliae Kleb. - Wilt. Point Grey.

Verticillium sp. - Wilt. Smithers.

Alfalfa Mosaic (Virus) General.

Clover Yellow Mosaic (Virus) LFV, Summerland.

Crown Rot: mechanical and winter injury followed by complex  
of pathogenic fungi. Interior.

Witches' Broom (Virus) Interior, N. Cent., Peace River.

Melilotus alba Desr. - White Sweet Clover.

Ascochyta meliloti (Trel.) J.J. Davis - Black Stem. Fort St. John.

Leptosphaeria pratensis Sacc. & Briard - Leaf Spot. Rosedale,  
Australian.

Peronospora trifoliorum de By. - Downy Mildew. Saanichton.

Sclerotinia trifoliorum Eriks. - Wilt, Stem Rot. Saanichton.

Mosaic (Virus) OK.

Witches' Broom (Virus) Soda Creek.

Mentha piperita L. - Peppermint.

Puccinia menthae Pers. - Rust. Vancouver.

Mentha spicata L. - Spearmint.

Puccinia menthae Pers. - Rust. Saanichton.

Morus alba L. - White Mulberry.

Fusarium lateritium Nees var. mori Desm. - Canker,  
Twig Blight. New Westminster.

Narcissus spp. - Narcissus, Daffodil etc.

- Armillaria mellea (Fr.) Kummer - Bulb Dry Rot. Bradner.  
Botryotinia narcissicola (Greg.) Buchw. - Smolder. Coast.  
Botryotinia polyblastis (Greg.) Buchw. - Fire, Botrytis Blight. LFV.  
Fusarium oxysporum Schlecht. f. narcissi Snyder & Hans. -  
 Basal Rot. Brentwood.  
Heterosporium sp. - Leaf Spot. Saanichton.  
Penicillium spp. - Blue Mold, Storage Rot. Coast.  
Ramularia vallisumbrosae Cav. - Ramularia Blight, White Mold. Coast.  
Stagonospora curtisii (Berk.) Sacc. - Leaf Scorch. Coast.  
 Mosaic (Virus) Coast.  
 White Streak (Virus) Coast.

Nicotiana spp. - Tobacco, Flowering Tobacco.

- Ascochyta nicotianae Pass. - Leaf Spot. Royal Oak.  
 Curly Dwarf, Leaf Curl (Virus) Sumas, Summerland.  
 Frenching (?Physiol.) Summerland.  
 Tobacco Mosaic (Virus) Sumas, Summerland.

Nicrenbergia sp. - Cup Flower.

- Botrytis cinerea Pers. ex Fr. - Blossom Blight. Royal Oak.

Nymphaea sp. - Water Lily.

- Ovularia nymphaerum (Allesch.) Allesch. Leaf Spot. Victoria.

Oenothera spp. - Evening Primrose.

- Erysiphe cichoracearum DC. ex M<sup>e</sup>rat - Powdery Mildew. Summerland.  
Septoria oenotherae West. - Leaf Spot. Agassiz, Sumas.

Onobrychis viciaefolia Scop. - Sainfoin.

- Ascochyta orobi Sacc. - Leaf Spot. Agassiz.  
Sclerotinia trifoliorum Eriks. - Wilt, Stem Rot. Saanichton, Agassiz.

Paeonia spp. - Peony.

- Botrytis paeoniae Oud. - Leaf & Bud Blast, Root Rot. Coast.  
Cercospora sp. - Leaf Spot. Coast.  
Cladosporium paeoniae Pass. - Leaf Blotch. Coast.  
Septoria paeoniae West. - Leaf Spot. LFV.  
 Mosaic, Ring Spot (Virus) Saanichton, Kelowna.

Panax quinquefolium L. - American Ginseng.

- Alternaria panax Whet. - Leaf Spot, Root Rot. Aldergrove.  
Ramularia sp. - Root Rot, 'Rust'. Aldergrove.  
Rhizoctonia solani Kühn - Stem Rot. VI.

Panicum miliaceum L. - Broom-corn Millet, European Millet.

- Ustilago destruens (Schlecht.) Rabh. - Head Smut. Cobble Hill.

Pastinaca sativa L. - Parsnip.Cercospora pastinacae Karst. - Leaf Spot. Coast.Rhizopus sp. - Black Mold Rot: on roots. Coast.Sclerotinia sclerotiorum (Lib.) de By. - Root Rot, Wilt. Coast.

Aster Yellows (Virus) Grand Forks.

Pelargonium hortorum Bailey - Geranium, Pelargonium.Botrytis cinerea Pers. ex Fr. - Leaf & Blossom Blight, Stem Rot. Coast.Pythium sp. - Stem & Root Rot. General: in greenhouses.Verticillium dahliae Kleb. - Wilt. Summerland.Verticillium sp. - Wilt. Vancouver.Xanthomonas pelargoni (N.A. Brown) Starr & Burk. - Bacterial Leaf Spot. Coast: in greenhouses.

Leaf Curl, Crinkle (Virus) Coast.

Oedema (Physiol.) Interior.

Petroselinum crispum (Mill.) Nym. - Parsley.Septoria petroselini Desm. - Leaf Spot. & Blight. Coast.Petunia hybrida Vilm. - PetuniaBotrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.Phalaris arundinacea L. - Reed Canary Grass.Rhynchosporium secalis (Oud.) J.J. Davis - Leaf Blotch. Agassiz.Phaseolus vulgaris L. - Bush Bean, Pole Bean.Ascochyta boltshauseri Sacc. - Leaf Spot. LFV.Ascochyta phaseolorum Sacc. - Leaf Spot. LFV.Botrytis cinerea Pers. ex Fr. - Gray Mold: blighting leaves, pods and blossoms. Coast.Colletotrichum lindemuthianum (Sacc. & P. Magn.) Briosi & Cav. - Anthracnose. Coast.Fusarium solani (Mart.) Appel & Wr. f. phaseoli (Burk.)

Snyd. &amp; Hans. - Dry Root Rot. Coast, OK.

Pseudomonas phaseolicola (Burk.) Dows. - Halo Blight, Grease Spot. Coast, Interior.Pythium sp. - Damping-off, Root Rot. General.Rhizoctonia solani Kühn - Stem & Root Rot. OK, Coast.Sclerotinia sclerotiorum (Lib.) de By. - Wilt, Stem Rot. OK, Coast.Uromyces phaseoli (Reb.) Wint. var. phaseoli - Rust. OK, Coast.Xanthomonas phaseoli (E.F. Sm.) Dows. - Bacterial Blight. OK, Coast.

Bean Yellow Mosaic (Virus) General.

Common Bean Mosaic (Virus) General.

Curly Top (Virus) OK, Grand Forks.

Sun Scald (Physiol.) On leaves after rain. Coast, Interior.

Philadelphus sp. - Mock Orange, Syringa.Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew. Summerland.Septoria philadelphi Ell. & Ev. - Leaf Spot. Queen's Bay.

Phleum pratense L. - Timothy.

- Heterosporium phlei C.T. Greg. - Purple Leaf Spot, Eye Spot. General  
Passalora graminis (Fckl.) Hoehn. - Brown Stripe. General.  
Puccinia graminis Pers. - Stem Rust. General.  
Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.  
Ustilago striiformis (West.) Niessl - Stripe Smut. LFV.

Phlox drummondii Hook. - Annual Phlox.

- Septoria divaricata Ell. & Ev. - Leaf Spot. Vancouver.

Phlox paniculata L. - Perennial Phlox.

- Erysiphe cichoracearum DC. ex Méral - Powdery Mildew. General.  
Phytophthora sp. - Foot Rot. Sidney.  
Septoria divaricata Ell. & Ev. - Leaf Spot. VI.

Phlox subulata L. - Ground Pink, Prostrate Phlox.

- Peronospora phlogina Diet. & Holw. - Downy Mildew. Victoria.

Photinia serrulata Lindl. - Chinese Photinia.

- Oidium sp. - Powdery Mildew. Victoria.

Pisum sativum L. - Pea.

- Ascochyta pisi Lib. - Foot Rot, Leaf & Pod Blotch. General.  
Botrytis cinerea Pers. ex Fr. - Pod Rot. Coast.  
Cladosporium pisicola Snyder - Leaf Spot. Salmon Arm.  
Erysiphe polygoni DC. ex Méral - Powdery Mildew. General.  
Fusarium sp. - Wilt. Coast: in Root Rot complex.  
Peronospora viciae (Berk.) Casp. - Downy Mildew. Coast, Interior.  
Pseudomonas pisi Sackett - Bacterial Blight. Armstrong.  
Rhizoctonia solani Kühn - Root Rot complex: Coast, Interior.  
Stemphylium botryosum Wallr. - Leaf Spot. Coast.  
Uromyces viciae-fabae (Pers.) Schroet. - Rust. Coast: rare.  
 Common Pea Mosaic (Virus) General.  
 Marsh Spot (Manganese defic.) Creston, Ladner.  
 Stunt (Boron defic.) Creston.

Pittosporum tobira Ait. - Japanese Pittosporum.

- Phyllosticta sp. - Leaf Spot. Victoria.

Platanus acerifolia (Ait.) Willd. - London Plane.

- Gloeosporium nervisequum (Fckl.) Sacc. - Anthracnose. Coast.

Platanus orientalis L. - Oriental Plane, Sycamore.

- Gloeosporium nervisequum (Fckl.) Sacc. - Anthracnose. Coast.

Poa compressa L. - Canada Bluegrass.

- Passalora graminis (Fckl.) Hoehn. - Brown Stripe. Coast.  
Puccinia poae-nemoralis Otth - Leaf Rust. Coast.  
Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.



Poa pratensis L. - Kentucky Bluegrass.

- Drechslera vagans (Drechs.) Shoem. - Leaf Spot. Coast.  
Erysiphe graminis DC. ex Mérat - Powdery Mildew. Coast.  
Fusarium poae (Pk.) Wr. - Silver Top. Dawson Creek.  
Passalora graminis (Fckl.) Hoehn. - Brown Stripe. Coast.  
Puccinia poae-nemoralis Otth - Leaf Rust. Coast.

Portulaca grandiflora Hook. - Purslane, Portulaca.

- Fusarium acuminatum Ell. & Ev. emend. Woron. - Wilt.  
 Grand Forks.

Primula spp. - Primrose, Primula, Polyanthus.

- Pseudomonas primulae (Ark & Gardner) Starr & Burkh. -  
 Bacterial Leaf Spot. North Saanich.  
Ramularia primulae Thuem. - Leaf Spot. Coast.  
 Mosaic (Virus) Saanichton.

Prunus amygdalus Batsch. - Almond.

- Stigmata carpophila (Lév.) M.B. Ellis - Coryneum Blight.

Prunus armeniaca L. - Apricot.

- Apiosporina morbosa (Schw.) v. Arx - Black Knot. Agassiz.  
Botrytis cinerea Pers. ex Fr. - Jacket Rot (fruit) OK.  
Cylindrosporium sp. - Fruit Spot. Oliver.  
Monilinia fructicola (Wint.) Honey - Brown Rot. OK.  
Monilinia laxa (Aderh. & Ruhl.) Honey - Blight. Coast, OK.  
Oidium sp. - Powdery Mildew. OK.  
Phytophthora cactorum (Leb. & Cohn) Schroet. - Fruit Rot.  
 Twig Blight, Collar Rot. OK.  
Polyporus hirsutus Wulf. ex Fr. - Trunk Rot. Naramata  
Polyporus tulipiferae (Schw.) Overh. - Heart Rot. DAVFP  
 Summerland.  
Stigmata carpophila (Lév.) M.B. Ellis - Coryneum Blight.  
 General.  
Verticillium dahliae Kleb. - Black Heart, Wilt. OK.  
 Ring Spot (Virus) OK.  
 Drought Spot (Boron defic.) OK.  
 Swollen Nodes (Boron defic.) OK.

Prunus avium L. - Sweet Cherry.Prunus cerasus L. - Sour Cherry.

- Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown  
 Gall. Coast, OK.  
Apiosporina morbosa (Schw.) v. Arx - Black Knot. Vancouver.  
Armillaria mellea (Fr.) Kummer - Mushroom Root Rot. Coast.  
Botrytis cinerea Pers. ex Fr. - Fruit Rot. OK.  
Cylindrosporium hiemalis Higgins - Leaf Spot. OK, KOOT.  
 Coast.  
Ganoderma applanatum (Pers. ex Wallr.) Pat. - Root Rot. OK.  
Monilinia fructicola (Wint.) Honey - Blossom & Twig Blight.  
 General.  
Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom & Twig Blight.  
 Coast, KOOT.  
Phytophthora cactorum (Leb. & Cohn) Schroet. - Collar Rot. OK.

Prunus avium (cont'd)Prunus cerasus (cont'd)

Podosphaera clandestina (Wallr. ex Fr.) Lévl. - Powdery Mildew. General

Pseudomonas syringae van Hall f. sp. prunicola Dows.

Bacterial Blight, Bacterial Canker. Coast.

Pullularia pullulans (de By. & E. Lév) Berkhout - Storage Fruit Rot. OK.

Stigmata carpophila (Lévl.) M.B. Ellis - Coryneum Blight. Coast, KOOT.

Taphrina cerasi (Fckl.) Sadeb. - Witches' Broom. General.

Verticillium dahliae Kleb. - Wilt. OK.

Prunus cerasifera Ehrh. var. pissardi Bailey - Cherry Plum.

Armillaria mellea (Fr.) Kummer - Mushroom Root Rot. DAVFP Victoria.

Ganoderma applanatum (Pers. ex Wallr.) Pat. var. brownii (Murr.) Humphrey & Leus - Heart Rot. DAVFP Victoria.

Prunus domestica L. - Plum, Prune.

Apiosporina morbosa (Schw.) v. Arx - Black Knot. Coast, Lillooet.

Cylindrosporium prunophorae Higgins - Leaf Spot. Coast.

Fomes pinicola (Swartz ex Fr.) Cke. - Basal Dry Rot. Oliver.

Ganoderma applanatum (Pers. ex Wallr.) Pat. - Collar & Root Rot. Coast.

Monilinia fructicola (Wint.) Honey - Brown Rot. General.

Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom & Twig Blight. Coast.

Polyporus hirsutus Wulf. ex Fr. - Basal Dry Rot. Oliver.

Stereum purpureum (Pers. ex Fr.) Fr. - Silver Leaf, Heart Rot. Coast.

Stigmata carpophila (Lévl.) M.B. Ellis - Coryneum Blight. Coast.

Taphrina communis (Sadeb.) Giesenh. - Bladder Plum. Coast.

Tranzschelia discolor (Fckl.) Tranz. & Litv. - Rust. Coast.

Valsa leucostoma Pers. ex Fr. - Die-back, Canker. Coast.

Prunus glandulosa Thunb. - Flowering Almond.

Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom & Twig Blight. Coast.

Prunus insititia L. - Damson Plum.

Apiosporina morbosa (Schw.) v. Arx - Black Knot. Coast.

Prunus japonica Thunb. - Dwarf Flowering Cherry.

Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom & Twig Blight. Coast.

Prunus laurocerasus L. - Cherry Laurel, Hedge Laurel.

Stereum purpureum (Pers. ex Fr.) Fr. - Trunk Rot. Coast.

Stigmata carpophila (Lévl.) M.B. Ellis - Shothole. Coast.



Prunus persica (L.) Batsch - Peach.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Summerland.

Monilinia fructicola (Wint.) Honey - Brown Rot. General.

Phytophthora cactorum (Leb. & Cohn) Schroet. - Collar Rot. OK.

Podosphaera clandestina (Wallr. ex Fr.) Lévl. - Powdery Mildew. Coast, OK.

Rhizopus stolonifera (Fr.) Lind - Fruit Rot: in storage. General.

Sphaerotheca pannosa (Wallr. ex Fr.) Lévl. - Powdery Mildew. OK.

Stigmina carpophila (Lévl.) M.B. Ellis - Coryneum Blight. OK.

Taphrina deformans (Berk.) Tul. - Leaf Curl. General.

Valsa leucostoma Pers. ex Fr. - Canker, Die-back. Coast.

Verticillium dahliae Kleb. - Wilt. OK.

Prunus persica (L.) Batsch var. nectarina (Ait.) Maxim. - Nectarine.

Monilinia fructicola (Wint.) Honey - Brown Rot. Yale.

Sphaerotheca pannosa (Wallr. ex Fr.) Lévl. - Powdery Mildew. OK.

Taphrina deformans (Berk.) Tul. - Leaf Curl. Vancouver.

Valsa leucostoma Pers. ex Fr. - Canker, Die-back. Coast.

Prunus serrulata Lindl. - Japanese Flowering Cherry.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Coast.

Monilinia fructicola (Wint.) Honey - Twig Blight. Coast.

Pseudomonas syringae van Hall f. sp. prunicola Dows.

- Bacterial Canker & Blight. Coast.

Rough Bark (Virus) Vancouver.

Prunus spinosa L. - Bullace Plum.

Apiosporina morbosa (Schw.) v. Arx - Black Knot. DAVFP  
Duncan.

Prunus subhirtella Miq. var. pendula Tanaka - Weeping Cherry.

Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom Blight.  
Saanichton.

Pyracantha coccinea Roem. - Firethorn.

Fusicladium pyracanthae (Otth) Rostr. - Scab. Coast.

Pyrus communis L. - Pear.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. OK.

Botrytis cinerea Pers. ex Fr. - Twig Blight. Sidney.

Cylindrocarpum mali (Allesch.) Wr. - Canker. Coast.

Cytospora sp. - Canker. Coast.

Erwinia amylovora (Burr.) Winslow et al. - Fire Blight.

Southern Interior: rare at Coast.

Fusicladium pyrinum (Lib.) Fckl. - Scab. Coast.

Gymnosporangium clavariiforme (Pers.) DC. - Rust. Victoria.

Gymnosporangium fuscum Hedw. f. in DC. - Trellis Rust.

Chilliwack, Victoria.

Monilinia laxa (Aderh. & Ruhl.) Honey - Blossom Blight. Sidney.

Pyrus communis (cont'd)

- Myxosporium corticola Edg. - Bark Canker. Saanichton.  
Phialophora sp. - Fruit Rot. OK.  
Phytophthora cactorum (Leb. & Cohn) Schroet. - Collar Rot,  
 Fruit Rot. OK.  
Phytophthora cambivora (Petri) Buis. - Rootlet Rot. OK.  
Podosphaera leucotricha (Ell. & Ev.) Salm. - Powdery Mildew.  
 General.  
Pseudomonas syringae van Hall. - Blossom Blight. Coast.  
Taphrina bullata (Berk.) Tul. - Leaf Blister. Saanich.

VIRUS & MISCELLANEOUS DISEASES

- Anjou Pit (cause unknown) OK.  
 Black End (cause unknown) Salmon Arm, OK.  
 Chlorosis (Iron defic.) OK, KOOT.  
 Corky Pit (Virus) OK.  
 Freckle Pit & Green Stain (Virus) OK.  
 Pitting (Virus) OK.  
 Rough Bark, Split Bark (Virus) OK.  
 Stony Pit (Virus) Coast, OK.  
 Vein Yellows (Virus) OK.

Pyrus longipes Coss & Dur. - Algerian Pear.

- Taphrina bullata (Berk.) Tul. - Leaf Blister. Saanichton.

Quercus robur L. - English Oak.

- Oidium sp. - Powdery Mildew. Yarrow.

Raphanus sativus L. - Edible Radish.

- Alternaria raphani Groves & Skolko - Seedling Blight.  
 Saanichton, Kelowna.  
Aphanomyces raphani Kendr. - Black Root. LFV.  
Peronospora brassicae Güm. - Downy Mildew. Coast.  
Plasmodiophora brassicae Wor. - Club Root. Vancouver.  
Rhizoctonia solani Kühn - Damping-off. Coast.

Rheum raphanicum L. - Rhubarb, Pie Plant.

- Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown  
 Gall. Summerland.  
Colletotrichum erumpens Sacc. - Anthracnose. LFV.  
 Mosaic (Virus) Egmont, Mission.

Rhododendron indicum (L.) Sweet - Azalea.

- Exobasidium vaccinii Wor. - Leaf Gall, Red Leaf. Coast.

Rhododendron japonicum (Gray) Suringar - Azalea.

- Exobasidium vaccinii Wor. - Leaf Gall, Red Leaf. Coast.  
Gloeosporium rhododendri Briosi & Cav. - Leaf Spot. Coast.

Rhododendron obtusum (Lindl.) Planch. - Azalea.

- Exobasidium vaccinii Wor. - Leaf Gall, Red Leaf. Coast.



Rhododendron spp. - Hybrid Rhododendrons.

Chrysomyxa ledi de By. var. rhododendri (de By.) Savile  
- Rust. DAVFP Coast.

Coryneum rhododendri Schw. - Leaf Spot. Agassiz.

Diplodina eurhododendri Voss - Leaf Spot. Courtenay.

Exobasidium vaccinii Wor. - Red Leaf. Coast.

Gloeosporium rhododendri Briosi & Cav. - Leaf Spot. Victoria.

Pestalotia rhododendri (D. Sacc.) Guba - Leaf Spot. Sardis.

Phyllosticta sp. - Leaf Spot. Saanichton.

Ribes grossularia L. - Gooseberry.

Botrytis cinerea Pers. ex Fr. - Die-back. Coast.

Cronartium ribicola J.C. Fisch. in Rab. - Rust. Coast.

Pseudopeziza ribis Kleb. - Anthracnose. Coast.

Puccinia caricina DC. - Cluster Cup Rust. Duncan

Septoria ribis Desm. - Leaf Spot. Coast.

Sphaerotheca mors-uvae (Schw.) Berk. & Curt. - Powdery Mildew.  
Coast, Summerland.

Ribes nigrum L. - Black Currant.

Cronartium ribicola J.C. Fisch. in Rab. - Rust. General.

Sphaerotheca mors-uvae (Schw.) Berk & Curt. - Powdery Mildew.  
Coast, Salmon Arm, Summerland.

Ribes sanguineum Pursh - Red Flowering Currant.

Cronartium ribicola J.C. Fisch. in Rab. - Rust. Coast.

Septoria sanguinea Dearn. - Leaf Spot. Coast.

Ribes sativum Syme - Red Currant.

Botrytis cinerea Pers. ex Fr. - Twig Blight. Coast.

Cronartium ribicola J.C. Fisch. in Rab. - Rust. Coast.

Pseudopeziza ribis Kleb. - Anthracnose. Coast.

Septoria ribis Desm. - Leaf Spot. Coast.

Sphaerotheca mors-uvae (Schw.) Berk. & Curt. - Powdery Mildew.  
Coast.

Ribes sativum Syme var. albescens Rehd. - White Currant.

Phyllosticta grossulariae Sacc. - Leaf Spot. Coast.

Septoria ribis Desm. - Leaf Spot. Coast.

Romneya coulteri Harv. - Matilija Poppy, Tree Poppy.

Sclerotinia sclerotiorum (Lib.) de By. - Wilt. Whonnock.

Rosa centifolia L. var. muscosa (Mill.) Ser. - Moss Rose.

Cercospora rosicola Pass. - Leaf Spot. Sidney.

Rosa spp. - Hybrid Roses.

Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss - Cane Gall.  
Saanichton.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown  
Gall. Coast.

Botrytis cinerea Pers. ex Fr. - Bud & Blossom Blight. Coast.

Coniothyrium fuckelii Sacc. - Common Canker. Coast.

Coryneum microsticta (Berk. & Br.) Grove - Die-back. Victoria.

Rosa spp. (cont'd)

- Cryptosporium minimum Laub. - Brown Canker. Royal Oak.  
Diplocarpon rosae Wolf - Black Spot. Coast.  
Peronospora sparsa Berk. - Downy Mildew. West Vancouver.  
Pilobolus crystallinus (Wigg.) Tode - Speck. Ocean Park.  
Phragmidium rosae-pimpinellifoliae Diet. - Rust. Coast, OK.  
Sphaerotheca macularis (Wallr. ex Fr.) P. Magn. - Powdery Mildew. General.  
Sphaceloma rosarum (Pass.) Jenkins - Anthracnose. Coast.  
 Mosaic (Virus) Coast.

Rubus laciniatus Willd. - Cut-leaved Evergreen Blackberry.

- Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss  
 - Cane Gall. LFV.  
Kuehneola uredinis (Ik.) Arth. - Yellow Rust. Victoria, Abbotsford, Lulu Id., Ucluelet.

Rubus loganobaccus Bailey - Loganberry.

- Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss  
 - Cane Gall. Saanich.  
Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn  
 - Crown Gall. Saanich.  
Hapalosphaeria deformans Syd. - Anther Blight. Coast.  
Phytophthora fragariae Hickman - Root Rot complex. Saanich.  
Septoria rubi West. - Leaf & Cane Spot. Coast.  
 Winter Injury. Coast.

Rubus occidentalis L. - Blackcap Raspberry & Hybrids.

- Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss - Cane Gall. Kamloops.  
Septoria rubi West. - Leaf Spot. Duncan.

Black Raspberry Necrosis (Virus) LFV. (slight natural infection from mosaic-infected red raspberry).  
 Rubus Yellow-Net (Virus) LFV. (present only in the complex, not alone).

Rubus thyrsanthus Focke - Himalaya Blackberry.

- Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss - Cane Gall. Saanich.  
 Winter Injury. Coast.

Rubus spp. - Red Raspberry: hybrids of R. idaeus L. and R. strigosus Michx.

- Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss - Cane Gall. Sidney, Courtenay.  
Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Agassiz.  
Armillaria mellea (Fr.) Kummer - Mushroom Root Rot. LFV.  
Botrytis cinerea Pers. ex Fr. - Shoot Wilt, Fraser Delta. Fruit Rot.  
Coniothyrium fuckelii Sacc. - Cane Blight. LFV.  
Cylindrocladium scoparium Morg. - Root Rot complex. Hatzic.  
Didymella applanata (Niessl) Sacc. - Spur Blight. Coast.  
Elsinoe veneta (Burkh.) Jenkins - Anthracnose. Coast.  
Fusarium avenaceum (Fr.) Sacc. - Cane Blight. Eburne.

Rubus spp. (cont'd).

- Hapalosphaeria deformans Syd. - Anther Blight. LFV.  
Hendersonia rubi (West.) Sacc. - Cane Spot. Agassiz.  
Haematoloma fasciculare (Fr.) Karst. - Stump Rot. LFV.  
Phragmidium rubi-idaei (DC.) Karst. - Yellow Rust. General.  
Phytophthora sp. - Root Rot complex. Courtenay.  
Septoria rubi West. - Leaf Spot. Coast.  
Sphaerotheca macularis (Wallr. ex Fr.) P. Magn. - Powdery Mildew. Coast, OK.  
Verticillium albo-atrum Reinke & Berth. - Bluestem, Wilt. LFV.  
 Salt Injury (Physiol.) - seepage from tidal river. Lulu Id.  
 Winter Injury. Coast.

VIRUS DISEASES

Black Raspberry Necrosis. General. (occurs only as part of the mosaic complex).

Leaf Curl, alpha strain. Creston, Summerland.

Raspberry Vein Chlorosis. General. (in imported var. Lloyd George and plants propagated therefrom. Also in var. Indian Summer).

Red Raspberry Mosaic. General. (Rubus Yellow-Net plus Black Raspberry Necrosis; a complex).

Ringspot. Abbotsford, Chilliwack. (= a strain of Tomato Ringspot = Peach Yellow Bud Mosaic). Probably soil-borne. (in imported var. Willamette and plants propagated therefrom and in imported var. Puyallup).

Rubus Yellow-Net. General. (occurs in a complex with Black Raspberry Necrosis or, less commonly, alone).

Tobacco Necrosis. Vancouver, Agassiz. (occurs only in greenhouse experimental stock).

Rubus sp. - Boysenberry.

- Agrobacterium rubi (E.M. Hildeb.) Starr & Weiss  
 - Cane Gall. VI.  
Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. VI.  
Septoria rubi West. - Leaf Spot. Coast.  
 Mosaic? (Virus) Coast.  
 Winter Injury. Coast.

Rubus sp. - Youngberry.

- Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Coast.  
Septoria rubi West. - Leaf Spot. Coast.

Rudbeckia laciniata L. - Goldenglow.

- Erysiphe cichoracearum DC. ex Mèrat - Powdery Mildew. Summerland.

Saintpaulia ionantha Wendl. - African Violet.

Pythium sp. - Crown & Root Rot. General.

Ringspot (Physiol.) - Cold water watering. General.

Salix babylonica L. - Weeping Willow.

Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Root

Hypertrophy. Saanich.

Cytospora chrysosperma Pers. ex Fr. - Canker. Sardis; DAVFP  
Vancouver.

Marssonina kriegneriana (Bres.) P. Magn. - Anthracnose. Coast.

Physalospora miyabeana Fukushi - Black Canker. DAVFP LFV.

Pollacia saliciperda (Allesch. & Tub.) v. Arx - Blight. Coast.

Salpiglossis sinuata Ruiz & Pav. - Salpiglossis.

Mosaic (Virus) Summerland.

Scilla nonscripta (L.) Hoffmgg. - Bluebell.

Uromyces muscari (Duby) Léw. - Rust. VI.

Secale cereale L. - Rye.

Claviceps purpurea (Fr.) Tul. - Ergot. Interior.

Erysiphe graminis DC. ex Mèrat - Powdery Mildew. General.

Puccinia graminis Pers. - Stem Rust. General.

Puccinia recondita Rob. ex Desm. - Leaf Rust. General.

Rhynchosporium secalis (Oud.) J.J. Davis - Scald. General.

Sempervivum tectorum L. - House-leek.

Endophyllum sempervivi (Alb. & Schw.) de By. - Rust. Coast.

Senecio cruentus (Mass.) DC. - Cineraria.

Oidium sp. - Powdery Mildew. Vancouver.

Setaria lutescens (Weigel) Hubb. - Yellow Foxtail.

Ustilago neglecta Niessl - Kernel Smut. Summerland.

Silene armeria L. - Sweet William Catchfly.

Septoria sp. - Leaf Spot. Saanichton.

Solanum melongena L. - Egg Plant.

Verticillium dahliae Kleb. - Wilt. OK.

Solanum tuberosum L. - Potato.

Alternaria solani (Ell. & G. Martin) Sor. - Early Blight,  
Target Spot. General.

Armillaria mellea (Fr.) Kummer - Dry Tuber Rot. Coast.

Ascochyta lycopersici Brun. - Leaf Spot. VI.

Botrytis cinerea Pers. ex Fr. - Grey Mold Tuber Rot. VI.

Corynebacterium sepedonicum (Spieck. & Koth.) Skapt. & Burkh.  
- Bacterial Ring Rot. General.

Erwinia carotovora (L.R. Jones) Holland - Bacterial Soft Rot.  
General.

Erwinia phytophthora (Appel) Holland - Blackleg. General.

Fusarium caeruleum (Lib.) Sacc. - Dry Rot. General.

Fusarium oxysporum Schlecht. f. tuberosi Snyder & Hans.  
- Wilt. General.

Fusarium redolens Wr. - Tuber Rot. Sardis.

Fusarium sambucinum Fckl. f. 6 Wr. - Dry Rot. General.

Solanum tuberosum (cont'd.)

- Fusarium solani (Mart.) Appel & Wr. - Stem-end Rot. General.  
Helminthosporium atrovirens (Harz) Mason & Hughes - Silver Scurf. General.  
Pellicularia filamentosa (Pat.) Rogers - Rhizoctonia, Black Scurf, Sprout Canker. General.  
Phoma tuberosa Melhus et al. - Tuber Rot. Saanichton, Graham Id.  
Phomopsis tuberivora Güssow & W.R. Foster - Stem-end Hard Rot. Fraser Delta, VI.  
Phytophthora erythroseptica Pethyb. - Pink Rot. General.  
Phytophthora infestans (Mont.) de By. - Late Blight. General.  
Pythium ultimum Trow - Leak, Shell Rot. General.  
Rhizoctonia crocorum (Pers.) DC. ex Fr. - Violet Root Rot. Milner.  
Sclerotinia minor Jagger - Stem Rot. Salt Spring Id.  
Sclerotinia sclerotiorum (Lib.) de By. - Stem Rot. General.  
Spongospora subterranea (Wallr.) Lagh. - Powdery Scab. General but mainly at the Coast.  
Stemphylium consortiale (Thuem.) Groves & Skolko - Leaf Spot. General.  
Streptomyces scabies (Thaxt.) Waks. & Henrici - Common Scab. General but mainly in the Interior.  
Verticillium albo-atrum Reinke & Berth. - Wilt. General.  
Verticillium dahliae Kleb. - Wilt. OK.

VIRUS DISEASES

- A (occurs usually in complex with X)  
Aucuba Mosaic (rare)  
Leaf Roll (leaf roll and net necrosis in tubers)  
Mild Mosaic (X plus A)  
Rugose Mosaic (X plus Y)  
S (latent)  
Witches' Broom  
X (latent)  
Y (occurs usually only in complex with X)

VIRUS-LIKE DISEASES (in foliage)

- Giant Hill (Genetic)  
Haywire (cause unknown)  
Wilding (Genetic)

PHYSIOLOGICAL DISEASES (in tubers)

- Black Spot, Blue Spotting (associated with potassium deficiency under dry conditions)  
Black Heart (oxygen defic.)  
Frost (die-back of tops and darkening of parts of tuber)  
Hollow Heart  
Internal Brown Spot  
Jelly-end Rot  
Salt Burn (associated with polysulphates in muck soils close to tidal rivers)  
Seed-piece Injury (associated with improper use of fungicides or fertilizers)



Solanum tuberosum (cont'd.)MISCELLANEOUS PHYSIOLOGICAL CONDITIONS (in tubers)

Greening, Yellowing, Scald, Feathering, Checking, Growth Cracks,  
Enlarged Lenticels, Knobbiness, Couch Grass Puncture.

Sorbopyrus auricularis (Knoop) Schneid. - Bollwyller Pear.  
Taphrina bullata (Berk.) Tul. - Leaf Blister. Saanich.

Sorbus aucuparia L. - Rowan, Mountain Ash.  
Armillaria mellea (Fr.) Kummer - Root Decay & Butt Rot.  
Mission.  
Cytospora rubescens Fr. - Canker. Chilliwack.  
Polyporus pubescens Schum. ex Fr. - Canker. Victoria.

Sorghum vulgare Pers. - Sorghum.  
Ustilago sorghi Pass. apud Thuem. - Covered Smut. Saanich.

Spinacia oleracea L. - Spinach.  
Albugo occidentalis G.W. Wils. - White Rust. Lavington.  
Ascochyta chenopodii Rostr. - Seed Spot. Brentwood.  
Heterosporium variabile Cke. - Leaf Spot. Coast.  
Peronospora farinosa (Fr.) Fr. - Downy Mildew. Coast, OK.  
Phytophthora megasperma Drechs. - Black Root Rot. Saanich.  
Puccinia aristidae Tracy - Rust. Kamloops.  
Pythium ultimum Trow - Damping-off. Comox.  
Stemphylium botryosum Wallr. - Leaf Spot. Coast.

Symphoricarpos albus (L.) Blake - Snowberry.  
Cercospora symphoricarpi Ell. & Ev. - Leaf Spot. Coast,  
Fort St. James.  
Microsphaera diffusa G.W. Clint. & Pk. - Powdery Mildew.  
Coast.  
Puccinia crandallii Pam. & Hume - Rust. DAVFP VI, OK.  
Puccinia symphoricarpi Hark. - Rust. Coast, Summerland;  
DAVFP Manning Park, Emerald Lake.  
Septoria symphoricarpi Ell. & Ev. - Leaf Spot. Coast.

Syringa vulgaris L. - Lilac.  
Ascochyta syringae Bres. - Leaf Spot. Pemberton, Coast.  
Pseudomonas syringae van Hall - Bacterial Blight, Canker.  
Coast.

Tagetes signata Bartl. var. pumila Hort. - Dwarf Marigold.  
Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.  
Phytophthora sp. - Root Rot. Sidney.

Tilia europaea L. - Linden, Lime.  
Cladosporium sp. - Leaf Spot. DAVFP Surrey.

Tilia sp. - Linden, Lime.Cercospora microsora Sacc. - Leaf Spot. Courtenay.Gloeosporium tiliae Oud. - Anthracnose. Coast.Trifolium hybridum L. - Alsike Clover.Cymadothea trifolii (Pers. ex Fr.) Wolf - Sooty Blotch. Coast.Kabatiella caulivora (Kirchn.) Karak. - Northern Anthracnose.  
Peace River.Oidium sp. - Powdery Mildew. Smithers, Coast, OK.Uromyces trifolii (Hedw. f. ex DC.) Lévesque - Rust. Coast.

Clover Yellow Mosaic (Virus) LFV.

White Clover Mosaic (Virus) LFV.

Witches' Broom (Virus) Agassiz, Prince George.

Trifolium incarnatum L. - Crimson Clover.Uromyces trifolii (Hedw. f. ex DC.) Lévesque - Rust. Coast.

Bean Yellow Mosaic (Virus) Summerland.

Trifolium pratense L. - Red Clover.Cymadothea trifolii (Pers. ex Fr.) Wolf - Sooty Mold.

General.

Kabatiella caulivora (Kirchn.) Karak. - Northern Anthracnose.  
Peace River.Oidium sp. - Powdery Mildew. General.Pseudopeziza trifolii (Biv.-Bern. ex Fr.) Fckl. f. sp.trifolii-pratensis Schüepp - Leaf Spot. General.Sclerotinia trifoliorum Eriks. - Wilt. General.Stagonospora recedens (Massal.) F.R. Jones & Weimer

- Leaf Spot. General.

Stemphylium sarcinaeforme (Cav.) Wilt. - Leaf Spot.

Dawson Creek, Coast.

Uromyces trifolii (Hedw. f. ex DC.) Lévesque - Rust. General.

Low Temperature Basidiomycete: in crown rot complex.

Peace River.

Bean Yellow Mosaic (Virus) LFV, Kamloops.

Clover Yellow Mosaic (Virus) LFV, Kamloops.

White Clover Mosaic (Virus) LFV, Kamloops.

Witches' Broom (Virus) Smithers, Saanichton, Cariboo.

Trifolium repens L. - White Clover, Ladino Clover.Cymadothea trifolii (Pers. ex Fr.) Wolf - Sooty Mold.

DAVFP Cordova Bay.

Pseudopeziza trifolii (Biv.-Bern. ex Fr.) Fckl. f. sp.trifolii-repentis Schüepp. Coast.Stagonospora recedens (Massal.) F.R. Jones & Weimer

- Leaf Spot. Coast.

Uromyces nerviphilus (Grogg.) Hotson - Rust. DAVFP

Cordova Bay.

Uromyces trifolii (Hedw. f. ex DC.) Lévesque - Rust. General.

Alfalfa Mosaic (Virus) Kamloops, Summerland.

Clover Yellow Mosaic (Virus) LFV, Kamloops, Summerland.

White Clover Mosaic (Virus) LFV, Kamloops, Summerland.

^ Leaf Spot.

Triticum aestivum L. - Wheat.

- Bipolaris sorokiniana (Sacc. in Sorok.) Shoem. - Root Rot. Creston.  
Bipolaris victoriae (Meehan & Murphy) Shoem. - Leaf Blotch. Vanderhoof.  
Cercospora herpotrichoides Fron - Eye Spot. Point Grey.  
Claviceps purpurea (Fr.) Tul. - Ergot. Coast.  
Gaeumannomyces graminis (Sacc.) v. Arx & Olivier - Take-all. General.  
Puccinia graminis Pers. - Stem Rust. General.  
Puccinia recondita Rob. & Desm. - Leaf Rust. General.  
Puccinia striiformis West. - Stripe Rust. General.  
Rhizoctonia solani Kühn - Sharp Eye Spot. Point Grey.  
Septoria nodorum Berk. - Glume Blotch. Creston.  
Septoria tritici Rob. ex Desm. - Leaf Blotch. General.  
Tilletia caries (DC.) Tul. - Covered Smut. General.  
Tilletia controversa Kühn - Dwarf Bunt (covered) Creston. Gordon Head, Nth. OK.  
Typhula sp. - Typhula Blight. Vanderhoof.  
Ustilago tritici (Pers.) Rostr. - Loose Smut. General.

Tulipa gesneriana L. - Tulip.

- Armillaria mellea (Fr.) Kummer - Bulb Dry Rot. Coast.  
Botrytis cinerea Pers. ex Fr. - Flower Spot. Coast.  
Botrytis tulipae (Lib.) Lind - Fire. General.  
Botrytis sp. - Bulb Rot complex (storage). Coast.  
Penicillium spp. - Bulb Rot complex (Storage). Coast.  
Phytophthora sp. - Shanking. Coast: in greenhouse.  
Pythium ultimum Trow - Root & Bulb Rot. Coast: in greenhouse.  
Rhizoctonia solani Kühn - Stem Rot. Coast.  
Sclerotinia sclerotiorum (Lib.) de By. - Wilt. Coast.  
Sclerotium tuliparum Kleb. - Grey Bulb Rot. Coast.  
Typhula sp. - Bulb & Stem Rot. Greenwood.  
 Breaking (Virus) - Floral color change. General.  
 Chalking (Physiol.) Coast.  
 Gummosis (Physiol.) Coast.  
 Tobacco Necrosis Virus - Foliar mottle in imported forcing bulbs. Coast.  
 Topple (Physiol.) Coast: in greenhouse.

Vaccinium corymbosum L. - Highbush Blueberry.

- Agrobacterium tumefaciens (E.F. Sm. & Town.) Conn - Crown Gall. Coast.  
Godronia cassandrae Pk. - Canker, Die-back. Coast.  
Monilinia vaccinii-corymbosi (Reade) Honey - Blossom Wilt, Shoot Blight. Pitt Meadows.

Vaccinium macrocarpon Ait. - Cranberry.

- Exobasidium vaccinii Wor. - Rose Bloom, Red Leaf. Coast.  
Microsphaera penicillata (Wallr. ex Fr.) Lé<sup>v</sup>. var. vaccinii  
 (Fr.) W.B. Cke. - Powdery Mildew. Lulu Id.  
Monilinia oxycocci (Wor.) Honey - Cotton Ball. Lulu Id.  
Venturia compacta Pk. - Tar Spot. Lulu Id.

Viburnum tinus L. - Laurestinus.

- Oidium sp. - Powdery Mildew. Vancouver.

Vicia americana Muhl. spp. oregana (Nutt.) Abrams - American Vetch.

- Ascochyta pisi Lib. - Leaf Spot. LFV.  
Peronospora narbonensis G<sup>u</sup>m. - Downy Mildew. Saanich.  
Uromyces coloradensis Ell. & Ev. var. maritimus Arth. - Rust.  
 Saanich.

Vicia angustifolia (L.) Reich. - Common Vetch.

- Ascochyta sp. - Leaf Spot. Coast.  
Ovularia sp. - Leaf Spot. Saanich.  
Uromyces viciae-fabae (Pers.) Schroet. - Rust. DAVFP  
 Saanich.

Vicia faba L. - Broad Bean, Horse Bean.

- Ascochyta fabae Speg. - Leaf Spot. LFV.  
Botrytis cinerea Pers. ex Fr. - Chocolate Spot. Coast.  
Oidium sp. - Powdery Mildew. Lillooet, Coast, OK.  
Stemphylium botryosum Wallr. - Leaf Blotch. White Rock.  
 Bean Yellow Mosaic (Virus) Coast, OK.

Vicia hirsuta (L.) Koch - Hairy Vetch.

- Ascochyta pisi Lib. - Leaf Spot. Coast.

Vicia sativa L. - Common Vetch.

- Ascochyta sp. - Leaf Spot. Saanich.  
Peronospora viciae de By. - Downy Mildew. Saanich.  
Uromyces viciae-fabae (Pers.) Schroet. - Rust. DAVFP  
 Saanich.

Vicia villosa Roth. - Hairy Vetch.

- Pythium sp. - Black Rot. Lillooet.

Viola tricolor L. - Pansy.

- Ascochyta violae Sacc. & Speg. - Leaf Spot. Coast.  
Botrytis cinerea Pers. ex Fr. - Blossom Blight.  
Cercospora violae Sacc. - Leaf Spot. VI.  
Fusarium culmorum (W.G. Sm.) Sacc. - Wilt. White Rock.  
Myrothecium roridum Tode - Crown Rot. VI.  
Oidium sp. - Powdery Mildew. Coast, Summerland.  
Puccinia violae (Sch<sup>u</sup>m.) DC. - Rust. Coast.  
Ramularia lactea (Desm.) Sacc. - Leaf Spot. Coast.

Vitis labrusca L. - Foxgrape & hybridsVerticillium dahliae Kleb. - Wilt. OK.Chlorosis, Scorch (Iron defic.) OK.

Fan Leaf, Yellow Mosaic, Veinbanding (related viruses) OK.

Interveinal Chlorosis, Spindly Shoot (Zinc defic.) OK.

Leaf Roll (Virus), OK.

Stunt, Die-back, Abortive Fruit Clusters (Boron defic.) OK.

Vitis vinifera L. - Grape & hybrids.Botrytis cinerea Pers. ex Fr. - Fruit Rot. Coast.Guignardia bidwellii (Ell.) Viala & Ravaz - Black Rot. Egmont.Uncinula necator (Schw.) Burr. - Powdery Mildew. Coast, OK.Chlorosis, Scorch (Iron defic.) OK.

Fan Leaf, Yellow Mosaic, Veinbanding (related viruses) OK.

Interveinal Chlorosis, Spindly Shoot (Zinc defic.) OK.

Leaf Roll (Virus) OK.

Stunt, Die-back, Abortive Fruit Clusters (Boron defic.) OK.

Yucca filamentosa L. - Adam's Needle, Yucca.Coniothyrium concentricum (Desm.) Sacc. - Leaf Spot. Coast.Zantedeschia aethiopica Spreng. - Calla Lily.Erwinia carotovora (L.R. Jones) Holland - Soft Rot. Haney.Zea mays L. - Maize, Indian Corn.Erwinia dissolvens (Rosen) Burk. - Stalk Rot. Victoria.Fusarium culmorum (W.G. Sm.) Sacc. - Ear Rot. Agassiz.Ustilago maydis (DC.) Cda. - Smut. Coast, OK.Zinnia elegans Jacq. - Zinnia.Alternaria zinniae Pape - Blight. Coast.Botrytis cinerea Pers. ex Fr. - Blossom Blight. Coast.Fusarium sp. - Root Rot. Coast.Phytophthora cryptogea Pethyb. & Laff. - Stem Rot. Coast.



PART 2Some Native Plants, Native Weeds and Adventive Weeds

This section includes the relatively few host-parasite records noted by local collectors. The extensive collections made by others and held in the mycological herbarium (DAQM) at the Plant Research Institute, Research Branch, Canada Department of Agriculture, Ottawa, are not included here.

Acer circinatum Pursh - Vine Maple.

Oidium sp. - Powdery Mildew. Vancouver.

Phleospora aceris (Lib.) Sacc. - Leaf Spot. LFV.

Acer glabrum Torr. - Mountain Maple.

Phleospora aceris (Lib.) Sacc. - Leaf Blight. Interior.

Taphrina darkeri Mix - Leaf Blister, DAVFP Cordova Bay.

Acer macrophyllum Pursh - Broad Leaf Maple.

Phleospora aceris (Lib.) Sacc. - Leaf Spot. VI.

Rhytisma punctatum Fr. - Tar Spot. Coast.

Uncinula bicornis (Fr.) Lévl. - Powdery Mildew. Coast.

Achlys triphylla DC. - May Leaves.

Ascochyta achlyicola Ell. & Ev. - Leaf Spot. Coast.

Actaea arguta Nutt. - Baneberry.

Puccinia recondita Rob. ex Desm. - Rust. DAVFP Falkland, Little Fort, Atlin, Monashee.

Agropyron repens (L.) Beauv. - Couch Grass, Quack Grass.

Erysiphe graminis DC. ex Méral - Powdery Mildew. Coast.

Puccinia recondita Rob. ex Desm. - Rust. Coast.

Puccinia striiformis West. - Stripe Rust. Coast.

Rhynchosporium secalis (Oud.) J.J. Davis - Scald. Coast.

Ustilago hypodytes (Schlecht.) Fr. - Culm Smut. Summerland.

Agropyron trachycaulum (Link) Malte. - Slender Wheatgrass.

Puccinia recondita Rob. ex Desm. - Rust. OK.

Ustilago bullata Berk. - Head Smut. Vancouver.

Ustilago striiformis (West.) Niessl - Stripe Smut. Coast.

Agrostis scabra Willd. - Bentgrass.

Puccinia graminis Pers. - Rust. DAVFP Surrey.

Puccinia recondita Rob. ex Desm. - Rust. DAVFP Surrey.

Agrostis tenuis Sibth. - Colonial Bent.

Puccinia recondita Rob. ex Desm. - Rust. Coast.

Agrostis sp. - Bentgrass.

Erysiphe graminis DC. ex Méral - Powdery Mildew. Alces River.

- Allium acuminatum Hook. - Hooker's Onion.  
Puccinia blasdalei Diet. & Holw. - Rust. Coast.  
Uromyces aemulus Arth. - Rust. Shawnigan Lake.
- Allium amplexans Torr. - Narrow-leaved Onion.  
Puccinia blasdalei Diet. & Holw. - Rust. Sooke.
- Allium cernuum Roth - Nodding Onion.  
Puccinia granulisporea Ell. & Gall. ex Ell. & Ev. - Rust.  
 Fort St. John, General.
- Amaranthus graecizans L. - Tumble Weed.  
Verticillium dahliae Kleb. - Wilt. OK.
- Amaranthus retroflexus L. - Redroot Pigweed.  
Albugo bliti (Biv.-Bern.) Kuntze - White Rust. Summerland,  
 Coast.  
Verticillium dahliae Kleb. - Wilt. OK.
- Amaranthus sp. - Pigweed.  
Peronospora amaranthi Gaum. - Downy Mildew. Saanich.
- Amelanchier alnifolia Nutt. - Juneberry, Saskatoon Berry.  
Gymnosporangium clavariiforme (Pers.) DC. - Rust.  
 DAVFP Cariboo, KOOT.  
Gymnosporangium clavipes (Cke. & Pk.) Cke. & Pk. - Rust.  
 DAVFP Interior.  
Gymnosporangium inconspicuum Kern - Rust. DAVFP Dry Interior.  
Gymnosporangium nelsoni Arth. - Rust. DAVFP Dry Interior.  
Gymnosporangium nidus-avis Thaxt. - Rust. DAVFP Dry Interior.
- Amelanchier florida Lindl. - Juneberry, Saskatoon Berry.  
Apiosporina collinsii (Schw.) Hoehn. - Witches' Broom.  
 Cariboo, Coast.  
Cylindrosporium sp. - Leaf Spot. Courtenay.  
Fabraea maculata Atk. - Leaf Blight. Pemberton.  
Gymnosporangium nelsoni Arth. - Rust. OK.  
Gymnosporangium nidus-avis Thaxt. - Rust. OK.
- Ammophila arenaria (L.) Link. - European Beachgrass, Marram Grass.  
Puccinia coronata Gda. - Crown Rust. Sidney.
- Anaphalis margaritacea (L.) Gray - Pearly Everlasting.  
Uromyces amoenus Syd. - Rust. Revelstoke; DAVFP Falkland,  
 Princeton.
- Andromeda polifolia L. - Andromeda.  
Exobasidium vaccinii Wor. - Red Leaf. DAVFP Selina Lk.  
Rhytisma andromedae (Pers.) Fr. - Tar Spot. Lulu Id.

Anemone globosa Nutt. - Windflower.

Phleospora anemones Ell. & Kell. - Leaf Spot. DAVFP Cache Ck.

Puccinia gigantispora Bub. - Rust. DAVFP Cache Ck.

Anemone parviflora Michx. - Northern Anemone.

Puccinia gigantispora Bub. - Rust. DAVFP Summit Pass,  
Kellsall Lk.

Puccinia pulsatillae Kalchb. - Rust. DAVFP Golden.

Angelica arguta Nutt. - Angelica.

Stigmina sp. - Shothole. DAVFP Princeton.

Aquilegia formosa Fisch. - Columbine.

Puccinia recondita Rob. ex Desm. - Rust. Cameron Lake,  
Hope-Princeton Hwy.

Arabis hirsuta (L.) Scop. - Hairy Rock Cress.

Puccinia holboellii (Hornem.) Rostr. - Rust. DAVFP Vernon.

Puccinia monoica Arth. - Rust. DAVFP OK.

Arabis lemmonii S. Wats. - Rock Cress.

Puccinia holboellii (Hornem.) Rostr. - Rust. DAVFP Merritt.

Arabis puberula Nutt. - Blue Mountain Rock Cress.

Puccinia monoica Arth. - Rust. DAVFP Clinton.

Aralia nudicaulis L. - Sarsaparilla.

Nyssopsora clavellosa (Berk.) Arth. - Rust. DAVFP Boat  
Encampment.

Arbutus menziesii Pursh - Arbutus, Madrona.

Ascochyta hanseni Ell. & Ev. - Leaf Spot. Sooke, Sidney.

Exobasidium vaccinii Wor. - Red Leaf. Deep Cove.

Monochaetia desmazierii Sacc. - Leaf Spot. Saanichton.

Mycosphaerella arbuticola (Pk.) House - Leaf Spot. VI.

Polyporus abietinus Dicks. ex Fr. - Wood Rot. DAVFP Victoria.

Rhytisma arbuti Phill. - Tar Spot. VI.

Arctostaphylos alpina (L.) Spreng. - Mountain Bearberry.

Pucciniastrum sparsum (Wint.) E. Fisch. - Rust. DAVFP  
Summit Pass, Atlin, Muncho Lk.

Arctostaphylos columbiana Piper - Columbia Manzanita.

Exobasidium vaccinii Wor. var. arctostaphyli (Harkn.)

Savile - Red Leaf. DAVFP Goldstream, Lund.

Arctostaphylos uva-ursi (L.) Spreng. - Trailing Bearberry,  
Kinnikinnick.

Chrysomyxa arctostaphyli Diet. - Rust. DAVFP Interior,  
Victoria.

Exobasidium vaccinii Wor. - Red Leaf. DAVFP Wet Interior.

- Artemisia dracunculoides Pursh - Sagebrush.  
Puccinia tanacetii DC. - Rust. DAVFP Pavilion.
- Asarum caudatum Lindl. - Wild Ginger.  
Puccinia asarina Kunze - Rust. DAVFP Revelstoke, Rossland,  
Sandon.
- Aster apricus (Gray) Howell - Michaelmas Daisy.  
Coleosporium asterum (Diet.) Syd. - Rust. Mt. Cheam.
- Aster ciliolatus Lindl. - Michaelmas Daisy.  
Basidiophora entospora Roze & Cornu - Downy Mildew. Agassiz.  
Coleosporium asterum (Diet.) Syd. - Rust.  
DAVFP Wet Interior.  
Puccinia asteris Duby - Rust. DAVFP Cinema.  
Puccinia dioicae P. Magn. - Rust. DAVFP Prince George.
- Aster conspicuus Lindl. - Michaelmas Daisy.  
Coleosporium asterum (Diet.) Syd. - Rust. Clinton.  
Puccinia asteris Duby - Rust. DAVFP Princeton.
- Aster douglasii Lindl. - Michaelmas Daisy.  
Basidiophora entospora Roze & Cornu - Downy Mildew. Sidney.  
Coleosporium asterum (Diet.) Syd. - Rust. Coast.  
Puccinia asteris Duby - Rust. DAVFP Golden.
- Aster foliaceus Lindl. - Michaelmas Daisy.  
Coleosporium asterum (Diet.) Syd. - Rust. DAVFP Falkland.
- Aster occidentalis Nutt. - Michaelmas Daisy.  
Coleosporium asterum (Diet.) Syd. - Rust. Cowichan.  
Puccinia dioicae P. Magn. - Rust. DAVFP Shuswap Lk.
- Athyrium filix-femina (L.) Roth - Lady Fern.  
Uredinopsis longimucronata Faull - Rust. DAVFP Coast.
- Balsamorhiza sagittata (Pursh) Nutt. - Balsamroot.  
Puccinia balsamorhizae Pk. - Rust. DAVFP OK.
- Bidens cernua L. - Bur Marigold.  
Entyloma compositarum Parl. - Leaf Smut, White Smut. Coast.  
Sphaerotheca macularis (Wallr. ex Fr.) P. Magn.  
- Powdery Mildew. Coast.
- Bromus sitchensis Trin. - Sitka Brome.  
Puccinia striiformis West. - Stripe Rust. Coast.  
Ustilago bullata Berk. - Head Smut. Coast.
- Bromus sterilis L. - Sterile Cheat.  
Ustilago bullata Berk. - Head Smut. Smithers.
- Bromus tectorum L. - Downy Cheat.  
Ustilago bullata Berk. - Head Smut. Oliver, Cranbrook,  
Summerland.



Calamagrostis canadensis (Michx.) Beauv. - Bluejoint Reed Grass.  
Claviceps purpurea (Fr.) Tul. - Ergot. Terrace.

Calochortus apiculatus Baker - Three-spot Mariposa.  
Puccinia calochorti Pk. - Rust. DAVFP Creston, Waldo,  
 Galloway.

Calochortus macrocarpus Dougl. - Green-banded Star Tulip.  
Puccinia calochorti Pk. - Rust. Dry Interior.

Caltha asarifolia DC. - Yellow Marsh Marigold.  
Puccinia areolata Diet. & Holw. - Rust. DAVFP Prince Rupert.

Caltha leptosepala DC. - Mountain Marsh Marigold.  
Fabraea rousseauana Sacc. & Bomm. - Scald. Garibaldi Park.  
Puccinia areolata Diet. & Holw. - Rust. Garibaldi Park.

Camassia quamash (Pursh) Greene - Camass.  
Urocystis colchici (Schlecht.) Rabh. - Smut. Victoria.

Capsella bursa-pastoris (L.) Medic. - Shepherd's Purse.  
Albugo cruciferarum S.F. Gray - White Rust. General.  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew.  
 Coast.  
Verticillium dahliae Kleb. - Wilt. OK.

Cardamine occidentalis S. Wats. - Bitter Cress.  
Peronospora parasitica (Pers. ex Fr.) Fr. - Downy Mildew.  
 Coast.

Carex praegracilis W. Boot - Clustered Sedge.  
Cintractia carpophila (Schum.) Liro var. elynae (Syd.)  
 Savile - Smut. Lac du Bois.

Cassiope mertensiana (Bong.) G. Don - Moss Heather.  
Exobasidium vaccinii Wor. - Leaf Gall. Coast.

Castilleja miniata Dougl. - Indian Paint Brush.  
Cronartium sp. - Rust. DAVFP Falkland, Manning Park.

Castilleja sp. - Indian Paint Brush  
Cronartium sp. - Rust. DAVFP Saanich.

Ceanothus anguineus Pursh - Snowbrush, Buckbrush.  
Cylindrosporium ceanothi Ell. & Ev. - Leaf Spot. Agassiz.

Ceanothus velutinus Dougl. - Evergreen Snowbrush.  
Cylindrosporium ceanothi Ell. & Ev. - Leaf Spot.  
 DAVFP Revelstoke.

Cerastium arvense L. - Mouse-ear Chickweed.  
Melampsorella caryophyllacearum Schroet. - Rust.  
 DAVFP Qualicum, Saanich.

- Cerastium vulgatum L. - Mouse-ear Chickweed.  
Melampsorella caryophyllacearum Schroet. - Rust.  
 DAVFP Cameron Lk.
- Chamaedaphne calyculata (L.) Moench - Leather Leaf.  
Chrysomyxa ledi de By. var. cassandrae (Pk. & G.W. Clint.)  
 Savile - Rust. DAVFP Fort Nelson, Fort St. John.
- Chenopodium album L. - Lamb's Quarters.  
Peronospora farinosa (Fr.) Fr. - Downy Mildew. Coast.  
Verticillium dahliae Kleb. - Wilt. OK.  
 Clover Yellow Mosaic (Virus) LFV.
- Chimaphila umbellata (L.) Nutt. - Prince's Pine, Pipsissewa.  
Pucciniastrum pyrolae Diet. ex Arth. - Rust. DAVFP  
 Cameron Lk., Hope, Silverton, Cinema, Needles.
- Cichorium intybus L. - Chicory.  
Ramularia cichorii Dearn. & House - Leaf Spot. Saanichton.
- Cicuta douglasii (DC.) Coult. & Rose - Poison Water Hemlock.  
Puccinia cicutae Iasch. - Rust. Abbotsford.
- Circaea alpina L. - Enchanter's Nightshade.  
Puccinia circaeae Pers. - Rust. DAVFP Wet Interior,  
 Coast, QCI.
- Circaea pacifica Asch. & P. Magn. - Enchanter's Nightshade.  
Puccinia circaeae Pers. - Rust. Coast.
- Cirsium arvense (L.) Scop. - Canada Thistle.  
Puccinia punctiformis (Strauss) Röhling - Rust. Coast, OK.
- Cirsium breweri (Gray) Jeps. - Swamp Thistle.  
Puccinia calcitrapae DC. - Rust. DAVFP Nakusp, Cowichan Lk.
- Cirsium undulatum (Nutt.) Spreng. - wavy-leafed Thistle.  
Puccinia calcitrapae DC. - Rust. DAVFP Cache Creek.
- Cirsium vulgare (Savi) Airy-Shaw - Bull Thistle.  
Puccinia cnici H. Mart. - Rust. Coast; DAVFP Nakusp.
- Claytonia lanceolata Pursh - Spring Beauty.  
Puccinia claytoniicola Cumm. - Rust. DAVFP Mt. Revelstoke.
- Clintonia uniflora (Schult.) Kunth. - Queen's Cup.  
Puccinia mesomajalis Berk. & Curt. ex Pk. - Rust. Kispiox,  
 Pine Pass; DAVFP Falkland, Terrace, Field, Glacier.
- Convolvulus arvensis L. - Dwarf Bindweed.  
Septoria convolvuli Desm. - Leaf Spot. VI.
- Comandra pallida DC. - Bastard Toadflax.  
Cronartium comandrae Pk. - Rust. DAVFP Princeton, Oliver.

Cornus californica C.A. Mey. - Western Red Dogwood.

Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew. VI.

Septoria cornicola Desm. - Leaf Spot. VI.

Cornus canadensis L. - Bunchberry, Cornel.

Gloeosporium corni Pk. - Leaf Spot. Canim Lake.

Puccinia porphyrogenita Curt. ex Thuem - Rust. VI.

Cornus nuttallii Audub. - Flowering Dogwood.

Botryotinia fuckeliana (de By.) whet. - Bark Canker.

DAVFP Royal Oak.

Gloeosporium sp. - Blossom Blight. VI.

Monilinia corni (Read) Honey - Leaf Blight. Coast.

Phoma sp. - Twig Blight. Hatzic.

Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew. VI.

Phytophthora cactorum (Leb. & Cohn) Schroet. - Crown Rot,  
Trunk Canker. Coast.

Cornus pubescens Nutt. - Western Red Dogwood.

Pezicula corni Petr. - Canker. DAVFP Cinema.

Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew. DAVFP

Terrace.

Cornus stolonifera Michx. - Red Osier Dogwood.

Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew. Summerland.

Corylus cornuta Marsh. var. californica (A. DC.) Sharp, Hazelnut.

Gloeosporium coryli (Desm.) Sacc. - Leaf Spot. Bradner,  
Abbotsford.

Mamianiella coryli (Batsch ex Fr.) Hoehn. - Leaf Spot.

Pemberton; DAVFP Revelstoke, Salmo, Manning Park, Quesnel,  
Lumby.

Crataegus brevispina (Dougl.) Heller - Black Hawthorn.

Cylindrosporium brevispina Dearn. - Leaf Spot. Pemberton.

Crataegus columbiana Howell - Columbia Hawthorn.

Gymnosporangium bethelii Kern - Rust. DAVFP Summerland.

Gymnosporangium clavipes (Cke. & Pk.) Cke. & Pk. - Rust.  
DAVFP Blackpool, Golden.

Crataegus douglasii Lindl. - Douglas' Hawthorn.

Gymnosporangium bethelii Kern - Rust. DAVFP Kamloops,  
Shuswap Lk., Keremeos, VI.

Gymnosporangium clavipes (Cke. & Pk.) Cke. & Pk. - Rust.  
DAVFP Little Fort.

Delphinium sp. - Larkspur.

Puccinia recondita Rob. ex Desm. - Rust. Penticton.



- Disporum hookeri (Torr.) Britt. var. oreganum (S. Wats.) Q. Jones  
- Fairy Bells.  
Cercospora streptopi Dearn. & Barth. - Leaf Spot.  
DAVFP Clearwater.  
Septoria streptopodis Pk. - Leaf Spot. DAVFP Clearwater.
- Disporum majus (Hook.) Britt. - Rough-fruited Fairy Bell.  
Septoria streptopodis Pk. - Leaf Spot. Vernon, Campbell River.
- Distichlis spicata (L.) Greene - Salt Grass, Alkali Grass.  
Puccinia aristidae Tracy - Rust. Sidney.
- Dryopteris austriaca (Jacq.) Woy. - Spiny Wood Fern.  
Milesia dilatata Faull - Rust. DAVFP Holberg, Nanoose Bay,  
Campbell River.
- Elymus arenarius L. var. villosus E. Mey. - Lyme Grass, Wild Rye.  
Claviceps purpurea (Fr.) Tul. - Ergot. Kamloops, Kyuquot Sound.
- Elymus canadensis L. - Canada Wild Rye.  
Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.
- Elymus condensatus Presl - Giant Ryegrass.  
Puccinia montanensis Ell. - Rust. DAVFP Invermere.
- Elymus glaucus Buckl. - Wild Rye.  
Claviceps purpurea (Fr.) Tul. - Ergot. Saanichton.  
Passalora graminis (Fckl.) Hoehn. - Brown Stripe. Saanichton.  
Puccinia striiformis West. - Stripe Rust. Coast.  
Septogloeum oxysporum Bomm. et al. - Leaf Spot.  
DAVFP Manning Park.
- Elymus mollis Trin. - American Dune Grass.  
Lophodermium arundinaceum (Schrad. ex Fr.) Chev. - Leaf Spot.  
DAVFP Cordova Bay.
- Empetrum nigrum L. - Crowberry.  
Chrysomyxa empetri Schroet. ex Cumm. - Rust. DAVFP Massett,  
Nanaimo Lakes, Kelso Lk., Wells, Haines Highway, Fort St. John.  
Exobasidium empetri S. Ito & Otani - Red Leaf. QCI.  
Sphaeropezia empetri (Fr.) Rehm. - Leaf Spot. DAVFP Falkland.
- Epilobium alpinum L. - Mountain Fireweed.  
Pucciniastrum epilobii Otth - Rust. DAVFP Falkland.
- Epilobium angustifolium L. - Fireweed, Willow Herb.  
Puccinia gigantea Karst. - Rust. DAVFP Princeton,  
Prince George.  
Pucciniastrum epilobii Otth - Rust. DAVFP Coast, Wet Interior.  
Ramularia montana Speg. - Leaf Spot. Coast.
- Epilobium brevistylum Barbey - Slender Fireweed.  
Pucciniastrum pustulatum (Pers.) Diet. - Rust. DAVFP Hope.



- Epilobium glandulosum Lehm. - Glandular Fireweed.  
Pucciniastrum pustulatum (Pers.) Diet. - Rust. DAVFP Coast,  
 Wet Interior, QCI.
- Epilobium latifolium L. - Broad-leaved Fireweed.  
Puccinia veratri Duby - Rust. DAVFP Kelsall Lk.
- Epilobium luteum Pursh - Yellow Willow Herb.  
Puccinia veratri Duby - Rust. Terrace.
- Epilobium paniculatum Nutt. - Panicked Fireweed.  
Puccinia pulverulenta Grev. - Rust. DAVFP Coast, Radium.
- Erigeron linearis (Hook.) Piper - Desert Yellow Daisy.  
Puccinia stipae Arth. - Rust. DAVFP Cache Creek.
- Eriogonum heracleoides Nutt. - Eriogonum.  
Uromyces intricatus Cke. - Rust. DAVFP Osoyoos, Vernon.
- Erythronium grandiflorum Pursh - Dog's Tooth Violet.  
Botrytis tulipae (Lib.) Lind. - Blight. Saanichton.  
Uromyces heterodermus Syd. - Rust. Nelson, Revelstoke,  
 Rockies, VI.
- Erythronium oregonum Appleg. - Dog's Tooth Violet.  
Uromyces heterodermus Syd. - Rust. VI.  
Ustilago heufleri Fckl. - Smut. Forbidden Plateau.
- Erythronium revolutum J.E. Sm. - Pink Fawn Lily.  
Uromyces heterodermus Syd. - Rust. Sidney.
- Euphorbia peplus L. - Petty Spurge.  
Alternaria tenuis auct. - Leaf Spot. Sidney.  
Melampsora monticola Mains - Rust. VI.  
Melampsora sp. - Rust. DAVFP Victoria.
- Fragaria spp. - Native Strawberries.  
Marssonina canadensis Bolton - Leaf Spot. Hudson Hope.  
Mycosphaerella fragariae (Tul.) Lindau - Leaf Spot. General.
- Fritillaria kamschatcensis (L.) Ker-Gawl - Kamchatka Fritillary.  
Botrytis cinerea Pers. ex Fr. - Blossom Blight. Prince Rupert.  
Uromyces miurae Syd. - Rust. Prince Rupert, QCI.
- Fritillaria lanceolata Pursh - Chocolate Lily.  
Uromyces miurae Syd. - Rust. Mara Lake, Merritt; DAVFP  
 Ucluelet.
- Galeopsis tetrahit L. - Hemp Nettle.  
Septoria galeopsidis West. - Leaf Spot. LFV.

- Galium septentrionale R. & S. - Bedstraw, Cleavers.  
Hainesia borealis Ell. & Ev. - Leaf Spot. Skaha Lake.  
Puccinia rubefaciens Johans. - Rust. DAVFP Radium,  
 Cache Creek, Atlin.
- Galium triflorum Michx. - Fragrant Bedstraw.  
Puccinia punctata Lk. var. trogloodytes (Lindr.) Arth. - Rust.  
 DAVFP Wet Interior, VI.  
Puccinia rubefaciens Johans. - Rust. DAVFP Prince George.  
Pucciniastrum guttatum (Schroet.) Hyl., Jørst. & Nannf. - Rust.  
 DAVFP Cottonwood, E. Sooke, Little Fort, Cameron Lk.
- Gaultheria hispidula (L.) Muhl. - Creeping Snowberry.  
Chrysomyxa chiogenis Diet. - Rust. DAVFP Prince George,  
 Wells.
- Gaultheria ovatifolia A. Gray - Salal.  
Meliola sp. - Black Mildew. DAVFP Hope.
- Gaultheria shallon Pursh - Salal.  
Dasyscypha gaultheriae (Ell. & Ev.) Sacc. - Canker. Trail.  
Meliola sp. - Black Mildew. DAVFP Port Alice.  
Pestalopezia brunneo-pruinosa (Zeller) Seaver - Leaf Blotch.  
 DAVFP Stanley Park, Cowichan Lk.  
Phacidium gaultheriae Dearn. - Stem Lesion. Saanich.  
Phyllosticta gaultheriae Ell. & Ev. - Leaf Spot. Coast.  
Poria ferrea (Pers.) Bourd. & Galz. - Wood Rot. DAVFP  
 Ucluelet.
- Gayophytum nuttallii Torr. & Gray - Nuttall's Gayophytum.  
Puccinia pulverulenta Grev. - Rust. DAVFP Oliver.
- Gentiana sceptrum Gusib. - Swamp Gentian.  
Phyllosticta sp. - Leaf Spot. DAVFP Bamfield.  
Synchytrium sp. - Leaf Gall. DAVFP Bamfield.
- Geocaulon lividum (Richards.) Fern. - Northern Comandra.  
Cronartium comandrae Pk. - Rust. DAVFP Chetwynd,  
 Cranbrook, Manning Park.
- Geranium erianthum DC. - Northern Geranium.  
Uromyces geranii (DC.) Lévl. - Rust. DAVFP Atlin, Smithers.
- Goodyera oblongifolia Raf. - Rattlesnake Plantain.  
Uredo goodyerae Tranz. - Rust. DAVFP Arrow Park, Victoria.
- Grindelia integrifolia DC. - Gumweed.  
Coleosporium asterum (Diet.) Syd. - Rust. VI.
- Gymnocarpium dryopteris (L.) Newm. - Oak Fern.  
Hyalopsora aspidiotus (P. Magn.) P. Magn. - Rust.  
 Mt. Arrowsmith; DAVFP Coast, Wet Interior, VI.  
Uredinopsis phegopteridis Arth. - Rust. QCI; DAVFP  
 Prince George, Giscome, Little Fort, Saanich.

- Habenaria dilatata (Pursh) Hook. - Tall White Bog Orchid.  
Puccinia praegracilis Arth. - Rust. DAVFP Falkland.
- Habenaria hyperborea (L.) R. Br. - Green-flowered Bog Orchid.  
Puccinia praegracilis Arth. - Rust. DAVFP Falkland.
- Heuchera glabra Willd. - Glabrous Alum Root.  
Puccinia heucherae (Schw.) Diet. - Rust. DAVFP Terrace.
- Hieracium albiflorum Hook. - Tall Hawkweed.  
Aecidium columbiense Ell. & Ev. - Rust. DAVFP Saanichton.
- Hieracium scouleri Hook. - Hawkweed.  
Puccinia columbiensis Ell. & Ev. - Rust. DAVFP Princeton.
- Holcus lanatus L. - Velvet Grass, Yorkshire Fog.  
Dilophospora alopecuri Fr. - Twist. Coast.  
Entyloma dactylidis (Pass.) Cif. - Leaf Smut. Ladner.  
Puccinia coronata Cda. - Crown Rust. Coast.  
Puccinia recondita Rob. ex Desm. - Rust. DAVFP Ucluelet.  
Ustilago striiformis (West.) Niessl - Stripe Smut. IFV.
- Holodiscus discolor (Pursh) Maxim. - Ocean Spray, Spiraea.  
Cylindrosporium spiraeicola Ell. & Ev. - Leaf Spot. VI.  
Phyllactinia guttata (Fr.) Lév. - Powdery Mildew. Coast.
- Hordeum nodosum L. - Wild Barley, Meadow Barley.  
Puccinia striiformis West. - Stripe Rust. Coast.  
Urocystis agropyri (Preuss) Fisch. v. Waldh. - Flag Smut.  
 Coast.  
Uromyces mysticus Arth. - Rust. Coast.
- Hydrophyllum tenuipes Heller - Water Leaf.  
Puccinia recondita Rob. ex Desm. - Rust. DAVFP Goldstream.
- Juniperus communis L. - Common Juniper.  
Cercospora juniperina Georgescu & Badea - Needle Spot.  
 DAVFP Prince Rupert.  
Gymnosporangium clavariiforme (Pers.) DC. - Rust. Coast.  
Gymnosporangium clavipes (Cke. & Pk.) Cke. & Pk. - Rust.  
 DAVFP Interior.  
Gymnosporangium cornutum Arth. ex Kern - Rust. DAVFP Paulson.  
Gymnosporangium tremelloides Hartig - Rust. DAVFP  
 Wet Interior.  
Herpotrichia nigra Hartig - Needle Spot. DAVFP New Denver,  
 Robson, Hickman Pass.
- Juniperus horizontalis Moench - Prostrate Juniper.  
Gymnosporangium nelsoni Arth. - Rust. DAVFP Muncho Lk.,  
 Golden.  
Gymnosporangium nidus-avis Thaxt. - Rust. DAVFP Kimberley,  
 Invermere.

Juniperus scopulorum Sarg. - Rocky Mountain Juniper.

Gymnosporangium bethelii Kern - Rust. DAVFP Kamloops,  
Savona, Princeton, Victoria.

Gymnosporangium inconspicuum Kern - Rust. DAVFP Dry Interior.

Gymnosporangium nelsoni Arth. - Rust. General.

Gymnosporangium nidus-avis Thaxt. - Rust. DAVFP Dry Interior,  
Pender Harbour.

Stigmatea juniperi (Desm.) Wint. - Scale Spot. DAVFP  
Fort Steele.

Kalmia polifolia Wang. ssp. occidentalis (Small) Abrams - Western  
Swamp Kalmia.

Dothidella kalmiae (Pk.) Sacc. - Twig Blight. DAVFP  
Ucluelet.

Lactuca serriola L. - Prickly Lettuce.

Verticillium dahliae Kleb. - Wilt. OK.

Lamium amplexicaule L. - Hen-bit, Dead Nettle.

Peronospora lamii A. Braun - Downy Mildew. Saanich.

Verticillium dahliae Kleb. - Wilt. OK.

Lapsana communis L. - Nipplewort.

Puccinia lapsanea Fckl. - Rust. Coast.

Ramularia lapsanae (Desm.) Sacc. - Leaf Spot. Nanaimo.

Lathyrus nuttallii S. Wats. - Purple Pea.

Peronospora lathyri-palustris Gaum. - Downy Mildew. Saanich.

Uromyces viciae-fabae (Pers.) Schroet. - Rust. DAVFP  
Spences Bridge. VI.

Lathyrus ochroleucus Hook. - Yellow Pea.

Septoria astragali Rob. ex Desm. - Leaf Spot. Hazelton,  
Prince George.

Lathyrus palustris L. - Marsh Pea.

Ascochyta pisi Lib. - Leaf Spot. Sumas.

Uromyces viciae-fabae (Pers.) Schroet. - Rust. DAVFP  
Mt. Douglas.

Lathyrus sp. - Pea.

Septoria lathyri Ell. & Ev. - Leaf Spot. DAVFP Quesnel.

Ledum glandulosum Nutt. - Labrador Tea.

Chrysomyxa ledi de By. var. glandulosi Savile - Rust.  
DAVFP Wet Interior.



Ledum groenlandicum Oeder - Labrador Tea.

Chrysomyxa ledi de By. var. groenlandici Savile - Rust.

DAVFP Cariboo, Field, Royal Oak.

Chrysomyxa ledicola Lagh. - Rust. Coast.

Chrysomyxa woroninii Tranz. - Rust. DAVFP Fort Nelson,  
Muncho Lk.

Exobasidium vaccinii Wor. var. vaccinii - Red Leaf.

DAVFP Liard Hotsprings.

Lepidium perfoliatum L. - Shieldweed, Yellow Peppergrass.

Verticillium dahliae Kleb. - Wilt. OK.

Leptotaenia multifida Nutt. - Leptotaenia.

Puccinia asperior Ell. & Ev. - Rust. DAVFP Cache Creek.

Lewisia rediviva Pursh - Bitter Root, Sandhill Rose.

Uromyces unitus Pk. ssp. unitus Savile - Rust. Saanichton, OK.

Lilium columbianum Hanson - Tiger Lily.

Aecidium sp. - Rust. DAVFP Cinema, Nanaimo Lakes.

Uromyces holwayi Lagh. - Rust. Cariboo, KOOT, Coast.

Lilium parviflorum (Hook.) Holtz - Tiger Lily.

Uromyces holwayi Lagh. - Rust. Crawford Bay.

Linnaea borealis L. var. americana (Forbes) Rehder - Twinflower.

Phyllactypha wittrockii (Eriks.) Petr. - Tar Spot.

DAVFP Fort St. John, Wigwam, Mt. Arrowsmith.

Linum lewisii Pursh - Lewis's Flax.

Melampsora lini (Erh.) Lévl. - Rust. DAVFP Canal Flats,  
Radium, Pavilion, Clinton.

Lonicera ciliosa (Pursh) Poir - Orange Honeysuckle.

Cercospora antipus Ell. & Holw. - Leaf Spot. Saanich;

DAVFP Coombs.

Poria ferrea (Pers.) Bourd. & Galz. - Stem Rot. DAVFP Saanich.

Lonicera hispidula Dougl. - Purple Honeysuckle.

Microsphaera penicillata (Wallr. ex Fr.) Lévl. - Powdery

Mildew. DAVFP Sidney.

Lonicera involucrata (Richards) Banks - Black Twin-berry.

Kabatia loniceræ (Harkn.) Hoehn. var. involucrata Conners

- Leaf Spot. Harrison.

Microsphaera penicillata (Wallr. ex Fr.) Lévl. - Powdery Mildew.  
Coast.

Lonicera utahensis S. Wats. - Red Twin-berry.

Kabatia loniceræ (Harkn.) Hoehn. var. periclymeni Conners

- Leaf Spot. Salmo.

- Lupinus arcticus S. Wats. - Mountain Lupine.  
Ovularia lupinicola F. Pollack - Eye Spot, Leaf Spot.  
 Garibaldi.
- Lupinus nootkatensis Donn - Nootka Lupine.  
Erysiphe polygoni DC. ex Mèrat - Powdery Mildew.  
 DAVFP Duncan.
- Lupinus rivularis Dougl. - Riverbank Lupine.  
Uromyces lupini Berk. & Curt. - Rust. DAVFP Hope.
- Lupinus spp. - Lupine.  
Ovularia lupinicola F. Pollack - Eye Spot, Leaf Spot. Coast.
- Luzula parviflora (Ehrh.) Desv. - Wood Rush.  
Puccinia obscura Schroet. ex Pass. - Rust. DAVFP Massett.
- Lygodesmia juncea (Pursh) D. Don - Skeleton Plant.  
Puccinia stipae Arth. - Rust. DAVFP Cache Creek.
- Mahonia aquifolium (Pursh) Nutt. - Mahonia, Tall Oregon Grape.  
Coccomyces coronatus (Schum. ex Fr.) de N. - Leaf Spot.  
 DAVFP Cowichan Ik.  
Cumminsia mirabilissima (Pk.) Nannf. - Rust. VI.  
Puccinia koeleriae Arth. - Rust. Saanichton.
- Mahonia nervosa (Pursh) Nutt. - Oregon Grape.  
Coccomyces coronatus (Schum. ex Fr.) de N. - Leaf Spot.  
 DAVFP Haney, VI.  
Mycosphaerella sp. - Leaf Spot. DAVFP VI.
- Maianthemum canadense Desf. var. interius Fern. - Solomon's Seal.  
Ramularia subsanguinea (Ell. & Ev.) Savile - Leaf Spot.  
 Fort McLeod.
- Maianthemum dilatatum (Howell) Nels. & Macbr. - Two-leaved  
 Solomon's Seal.  
Ramularia subsanguinea (Ell. & Ev.) Savile - Leaf Spot.  
 Aldergrove, QCI.
- Malus diversifolia (Bong.) M. Roem. - Oregon Crabapple.  
Gymnosporangium cornutum Arth. ex Kern - Rust. DAVFP Massett.  
Gymnosporangium nootkatense Arth. - Rust. DAVFP Nootka,  
 Massett, Sointula, Alice Arm.
- Malva neglecta Wallr. - Mallow.  
Puccinia malvacearum Bert. ex Mont. - Rust. Sidney.
- Malva rotundifolia L. - Mallow.  
Puccinia malvacearum Bert. ex Mont. - Rust. OK.  
Verticillium dahliae Kleb. - Wilt. OK.

Matteuccia struthiopteris (L.) Todaro - Ostrich Fern.

Uredinopsis struthiopteridis Störmer ex Diet. - Rust.

DAVFP Aleza Lake.

Melica subulata (Griseb.) Scribn. - Melic Grass.

Erysiphe graminis DC. ex Mérat - Powdery Mildew.

DAVFP Sidney.

Mentha arvensis L. var. canadensis (L.) Briq. - Field Mint.

Puccinia menthae Pers. - Rust. Parksville, Surrey.

Menziesia ferruginea J.E. Sm. - False Azalea.

Exobasidium vaccinii Wor. - Red Leaf. Coast.

Melasmia menziesiae Dearn. & Barth. - Leaf Spot. DAVFP

Tenquille Ck., Daisy Lk., Cranbrook, Wet Interior, VI.

Rhytisma arbuti Phill. - Tar Spot. DAVFP Wet Interior,

Prince Rupert, QCI.

Mertensia paniculata (Ait.) G. Don - Tall Lungwort.

Erysiphe cichoracearum DC. ex Mérat - Powdery Mildew.

DAVFP Atlin.

Micromeria douglasii Benth. - Yerba Buena.

Puccinia menthae Pers. - Rust. DAVFP VI.

Mitella nuda L. - Mitrewort.

Puccinia heucherae (Schw.) Diet. var. heucherae - Rust.

DAVFP Muncho Lake.

Mitella ovalis Greene - Mitrewort.

Puccinia heucherae (Schw.) Diet. var. heucherae - Rust.

S. Interior.

Mitella pentandra Hook. - Mitrewort.

Puccinia heucherae (Schw.) Diet. var. austroberingiana

Savile - Rust. Cariboo, QCI; DAVFP Kelowna.

Mitella trifida Graham - Mitrewort.

Puccinia heucherae (Schw.) Diet. var. austroberingiana

Savile - Rust. S. Interior.

Monarda fistulosa L. var. mollis (L.) Benth. - Bergamot Mint.

Puccinia menthae Pers. - Rust. Pritchard, Armstrong.

Moneses uniflora (L.) Gray - One-flowered Pyrola.

Chrysomyxa monesis Ziller - Rust. DAVFP Coast, QCI,

Fort St. James.

Chrysomyxa pirolata Wint. - Rust. DAVFP Prince George,

Fort St. James, Lillooet, Muncho Lk., Atlin.

Myrica gale L. - Sweet Gale.

- Cronartium comptoniae Arth. - Rust. Cowichan Lk.  
Ramularia destructiva Phill. & Plowr. - Leaf Spot.  
 DAVFP Nanaimo Lakes.  
Uncinula salicis (DC. ex Mérat) Wint. - Powdery Mildew.  
 DAVFP Cowichan Lk.

Oenanthe sarmentosa Presl - Water Parsley.

- Septoria oenanthis Ell. & Ev. - Leaf Spot. Coast.

Oryzopsis asperifolia Michx. - Mountain Rice.

- Puccinia pygmaea Eriks. - Rust. DAVFP Golden.

Osmaronia cerasiformis (Torr. & Gray) Greene - Bird Cherry, Osoberry.

- Cylindrosporium nuttallii (Harkn.) Dearn. - Leaf Spot. Coast.

Osmorhiza chilensis Hook. & Arn. - Sweet Cicely.

- Phleospora aegopidii Grove - Leaf Spot. Saanichton.  
Puccinia pimpinellae (Strauss) Röhling - Rust. Coast.

Osmorhiza purpurea (Coul. & Rose) Suksd. - Sweet Cicely.

- Puccinia pimpinellae (Strauss) Röhling - Rust. DAVFP Hope.

Parnassia fimbriata Koenig - Grass of Parnassus.

- Puccinia parnassiae Arth. - Rust. Wet Interior;  
 DAVFP Muncho Lk.

Pedicularis bracteosa Benth. - Lousewort.

- Puccinia clintonii Pk. - Rust. DAVFP Mt. Pavilion.  
Ramularia obducens Thuem. - Leaf Spot. DAVFP Mt. Swansea.

Penstemon confertus Dougl. - Beard-tongue.

- Puccinia palmeri Diet. & Holw. - Rust. DAVFP Manning Park,  
 Princeton.

Penstemon ellipticus Greene - Beard-tongue.

- Puccinia palmeri Diet. & Holw. - Rust. DAVFP New Denver.

Penstemon ovatus Dougl. - Beard-tongue.

- Cercospora penstemonis Ell. & Kell. - Leaf Spot. Agassiz.

Penstemon serrulatus Menz. - Beard-tongue.

- Cercospora penstemonis Ell. & Kell. - Leaf Spot. Agassiz.

Petasites frigidus (L.) Fr. var. palmatus (Ait.) Cronq. - Coltsfoot.

- Puccinia conglomerata (Strauss) Röhling - Rust. DAVFP Radium,  
 Cariboo, Fort St. John, Fort Nelson, Falkland.  
Puccinia poarum Niels. - Rust. DAVFP Fort Nelson,  
 Steamboat Mt.  
Stagonospora petasitidis Ell. & Ev. - Leaf Spot.  
 DAVFP Prince George, Sikanni Creek.



Physostegia parviflora Nutt. - False Dragon-head.

Puccinia physostegiae Pk. & G.W. Clint. - Rust.  
DAVFP Kamloops.

Plantago major L. - Common Plantain.

Erysiphe cichoracearum DC. ex Mérat - Powdery Mildew. General.  
Peronospora alta Fckl. - Downy Mildew. Agassiz.  
Verticillium dahliae Kleb. - Wilt. Interior.

Plantago juncoides Lam. - Seaside Plantain.

Erysiphe cichoracearum DC. ex Mérat - Powdery Mildew. Sidney.

Poa ampla Merr. - Big Bluegrass.

Sclerotinia borealis Bub. & Vleug. - Snow Mold. Prince George.

Poa palustris L. - Fowl Bluegrass.

Puccinia poae-nemoralis Othth - Rust. DAVFP Surrey.

Polygonum amphibium L. - Smartweed.

Puccinia polygoni-amphibii Pers. - Rust. Okanagan Falls.

Polygonum aviculare L. - Knotweed.

Erysiphe polygoni DC. ex Mérat - Powdery Mildew. Coast.  
Uromyces polygoni-avicularis (Pers.) Karst. - Rust. Coast.

Polygonum convolvulus L. - Bindweed.

Peronospora polygoni Thuem. ex A. Fisch. - Downy Mildew.  
Saanich.

Polygonum fowleri Robinson - Fowler's Knotweed.

Uromyces polygoni-avicularis (Pers.) Karst. - Rust.  
DAVFP Cowichan Lk.

Polygonum persicaria L. - Lady's Thumb.

Septoria polygonorum Desm. - Leaf Spot. LFV.

Polygonum punctatum Elliott - Water Smartweed.

Puccinia polygoni-amphibii Pers. - Rust. Matsqui.

Polygonum spargulariaeforme Meisn. - Spurrey Knotweed.

Uromyces polygoni-avicularis (Pers.) Karst. - Rust.  
DAVFP Crescent Spur.

Polygonum viviparum L. - Bulbous Knotweed.

Puccinia bistortae (Strauss) DC. - Rust. DAVFP Summit Pass,  
Atlin.

Polypodium vulgare L. var. occidentale Hook. - Licorice Fern.

Milesia laeviuscula (Diet. & Holw.) Faull - Rust.  
DAVFP Saanich, Parksville, QCI.

Polystichum munitum (Kaulf.) Presl - Sword Fern.

Milesia polystichi Wineland ex Faull - Rust. DAVFP VI.

Milesia vogesiaca Faull - Rust. DAVFP VI.

Taphrina faulliana Mix - Leaf Blister. Saanich, Cowichan Lk.

Potentilla anserina L. - Silver Weed.

Marssonina potentillae (Desm.) P. Magn. - Leaf Spot. Coast.

Potentilla fruticosa L. - Cinquefoil.

Phragmidium andersonii Shear - Rust. DAVFP Fort St. John,  
Liard Hotsprings.

Potentilla gracilis Dougl. - Slender Cinquefoil.

Phragmidium ivesiae Syd. - Rust.

DAVFP Merritt, Kamloops, Oak Bay.

Phragmidium potentillae (Pers.) Karst. - Rust. DAVFP Princeton.

Potentilla nuttallii Lehm. - Cinquefoil.

Peronospora potentillae de By. - Downy Mildew. Lumby.

Phragmidium ivesiae Syd. - Rust. Telkwa, Lumby.

Verticillium dahliae Kleb. - Wilt. OK.

Potentilla pensylvanica L. - Cinquefoil.

Phragmidium sp. - Rust. DAVFP Cache Creek.

Prenanthes alata (Hook.) D. Dietr. - Rattlesnake Root.

Puccinia insperata Jacks. - Rust. DAVFP Aleza Lk.

Prunella vulgaris L. - Self Heal.

Ceuthocarpon brunellae (Ell. & Ev.) Berl. - Leaf Blight

DAVFP Cordova Bay.

Linospora brunellae Ell. & Ev. - Leaf Spot. Coast.

Prunus besseyi Bailey - Western Sand Cherry.

Monilinia fructicola (Wint.) Honey - Blossom & Twig Blight.  
Sardis.

Prunus emarginata (Dougl.) Walp. - Wild Cherry.

Cylindrosporium hiemalis Higgins - Leaf Spot. Coast.

Dermea cerasi (Pers. ex Fr.) Fr. - Twig Blight. DAVFP Victoria.

Phyllostica sp. - Leaf Spot. Coast.

Podosphaera clandestina (Wallr. ex Fr.) Lévl. - Powdery Mildew.  
Coast.

Stereum purpureum (Pers. ex Fr.) Fr. - Trunk Rot.

DAVFP Vancouver.

Taphrina cerasi (Fckl.) Sadeb. - Leaf Curl. Soda Creek.

Prunus subcordata Benth. - Klamath Plum.

Aplosporina morbosa (Schw.) v. Arx - Black Knot.

DAVFP Saanich.

- Prunus virginiana L. var. demissa (Nutt.) Walp. - Choke Cherry.  
Apiosporina morbosus (Schw.) v. Arx - Black Knot. Wet Interior.  
Monilinia demissa (Dana) Honey - Brown Rot. Interior.  
Podosphaera clandestina (Wallr. ex Fr.) Lévl. - Powdery Mildew. Interior.  
Taphrina confusa (Atk.) Gies. - Leaf Curl. DAVFP Creston.  
 Western X-disease (Virus) OK.
- Pteridium aquilinum (L.) Kuhn var. pubescens Underw. - Bracken.  
Cryptomyxa pteridis (Reb. ex Fr.) Hoehn. - Tar Spot. KOOT.  
Uredinopsis hashiokai Hirats. f. - Rust. DAVFP VI.  
Uredinopsis pteridis Diet. & Holw. - Rust. Coast.
- Purshia tridentata (Pursh) DC. - Antelope Bush, Greasewood.  
 Western-X disease (Virus) OK.
- Pyrola aphylla Smith - Leafless Pyrola.  
Chrysomyxa pirolata Wint. - Rust. DAVFP McBride.
- Pyrola asarifolia Michx. - Pyrola.  
Chrysomyxa pirolata Wint. - Rust. DAVFP Smithers, Hope, Princeton, Wingdam, Field, Arrow Park.  
Pucciniastrum pyrolae Diet. ex Arth. - Rust. DAVFP Giscome, N. Cent., Princeton, Yahk.
- Pyrola bracteata Hook. - Pyrola.  
Chrysomyxa pirolata Wint. - Rust. DAVFP Hope.  
Lophodermium pyrolae Parmelee - Leaf Spot. DAVFP Cameron Lk.  
Pucciniastrum pyrolae Diet. ex Arth. - Rust. DAVFP Silverton.
- Pyrola secunda L. - One-sided Pyrola.  
Chrysomyxa pirolata Wint. - Rust. DAVFP Prince George, Hope, Lac la Hache, Victoria.  
Pucciniastrum pyrolae Diet. ex Arth. - Rust. DAVFP N. Cent., Jesmond, Pavilion, Falkland, Hope, Kelowna, Atlin.
- Pyrola virens Schweigg. - Green-flowered Pyrola.  
Chrysomyxa pirolata Wint. - Rust. DAVFP Fort Nelson, Atlin, Manning Park, Kamloops  
Pucciniastrum pyrolae Diet. ex Arth. - Rust.  
 DAVFP Manning Park.
- Quercus garryana Hook. - Garry Oak.  
Microsphaera penicillata (Wallr. ex Fr.) Lévl. - Powdery Mildew. Victoria.  
Taphrina caerulescens (Mont. & Desm.) Tul. - Leaf Blister. Metchosin.
- Ranunculus uncinatus D. Don - Buttercup.  
Entyloma ficariae Fisch. v. Waldh. - Smut. Saanich.  
Ramularia aequivoca (Ces.) Sacc. - Leaf Spot. Parksville.

- Ranunculus cymbalaria Pursh - Salt Marsh Crowfoot.  
Puccinia recondita Rob. ex Desm. - Rust. DAVFP Cache Creek.
- Ranunculus glaberrimus Hook. - Early Buttercup.  
Puccinia recondita Rob. ex Desm. - Rust. DAVFP Vernon.
- Ranunculus repens L. - Creeping Buttercup.  
Entyloma microsporum (Ung.) Schroet. - Smut. Abbotsford.
- Ranunculus sp. - Buttercup.  
Peronospora ficariae de By. - Downy Mildew. Harrison Mills.  
Pseudopeziza sp. - Leaf Spot. Saanichton.
- Rhamnus alnifolia L'Her. - Alder-leaved Buckthorn.  
Puccinia coronata Cda. - Rust. DAVFP Sheep Lake.
- Rhamnus purshiana DC. - Cascara.  
Phyllosticta rhamni West. - Leaf Spot. Coast.  
Puccinia coronata Cda. - Rust. DAVFP Coast.
- Rhinanthus borealis (Sterneck) Chabert - Yellow Rattle.  
Cronartium sp. - Rust. DAVFP Little Fort.
- Rhododendron albiflorum Hook. - White Rhododendron.  
Exobasidium burtii Zeller - Red Leaf. DAVFP Wet Interior.
- Rhododendron macrophyllum D. Don - Rhododendron.  
Chrysomyxa piperiana Sacc. & Trott. ex Cumm. - Rust.  
 Hope-Princeton Highway.  
Exobasidium vaccinii Wor. - Red Leaf. DAVFP Hope,  
 Manning Park.
- Rhus glabra L. - Sumach.  
Coryneum sp. - Leaf Spot. DAVFP Lavington.
- Ribes bracteosum Dougl. - Blue Currant.  
Cronartium ribicola J.C. Fisch. - Rust. DAVFP Coast.  
Puccinia caricina DC. - Rust. DAVFP Prince Rupert,  
 Port Renfrew, Kelsall Lk., N. Vancouver, QCI.
- Ribes divaricatum Dougl. - Common Gooseberry.  
Cronartium ribicola J.C. Fisch. - Rust. DAVFP Daisy Lake,  
 Princeton, Cheekye, Bold Point, Coast, Manning Park.  
Puccinia caricina DC. - Rust. DAVFP Qualicum, Owl Creek,  
 N. Vancouver.  
Puccinia parkerae Diet. & Holw. - Rust. DAVFP Terrace,  
 Daisy Lk.



Ribes lacustre (Pers.) Poir. - Swamp Gooseberry.

Cronartium ribicola J.C. Fisch. - Rust. DAVFP Coast,  
West Interior.

Puccinia caricina DC. - Rust. DAVFP Hope, Falkland.

Puccinia parkerae Diet. & Holw. - Rust. DAVFP Hope, Kelowna,  
Owl Creek, Birkenhead Lk., Daisy Lk.

Ribes laxiflorum Pursh - Red-flowered Gooseberry.

Cronartium ribicola J.C. Fisch. - Rust. DAVFP Thurston Bay,  
Crescent Spur, Yale, Decker Bay.

Ribes lobbii Gray - Hairy-fruited Gooseberry.

Cronartium ribicola J.C. Fisch. - Rust. DAVFP Pender  
Harbour, VI.

Ribes oxycanthoides L. - Smooth Gooseberry.

Cronartium ribicola J.C. Fisch. - Rust. DAVFP Vernon.

Ribes triste Pall. - Red Currant.

Puccinia caricina DC. - Rust. DAVFP Atlin.

Puccinia ribis DC. - Rust. DAVFP Liard Hotsprings, Muncho Lk.

Ribes viscosissimum Pursh - Sticky Currant.

Cronartium ribicola J.C. Fisch. - Rust. DAVFP Falkland,  
Summit Lk.

Gloeosporidiella bartholomaei (Dearn.) v. Arx - Leaf Spot.  
DAVFP Manning Park.

Rosa gymnocarpa Nutt. - Brier Rose.

Phragmidium rosae-californicae Diet. - Rust. Coast.

Rosa nutkana Presl - Nootka Rose.

Coryneopsis microsticta (Berk. & Br.) Grove - Canker.  
DAVFP Cordova Bay.

Phragmidium fusiforme Schroet. - Rust. DAVFP Vernon,  
Falkland, Priestly.

Phragmidium rosae-californicae Diet. - Rust. DAVFP Victoria,  
Cordova Bay, Meade Creek, Prince George.

Rosa pisocarpa Gray - Rose.

Phragmidium montivagum Arth. - Rust. DAVFP Hat Creek, Nicola.

Phragmidium rosae-arkansanae Diet. - Rust. DAVFP Kimberley.

Rosa spaldingii Crepin - Spalding's Rose.

Phragmidium fusiforme Schroet. - Rust. DAVFP Spuzzum, Lumby.

Rubus arcticus L. - Mountain Raspberry.

Pucciniastrum arcticum Tranz. - Rust. DAVFP Fort St. John.

Rubus leucodermis Dougl. - Black Raspberry, Blackcap.

Phragmidium rubi-idaei (DC.) Karst. - Yellow Rust. Coast.

Septoria rubi West. - Leaf Spot. Duncan.

- Rubus melanolasius Focke - Red Raspberry.  
Phragmidium rubi-idaei (DC.) Karst. - Yellow Rust.  
 DAVFP N. Cent., Fort St. John, Boston Bar, Lumby.
- Rubus parviflorus Nutt. - Thimbleberry.  
Armillaria mellea (Fr.) Kummer - Mushroom Root Rot. Coast.  
Dasyscyphus bicolor (Bull. ex Fr.) Fckl. - Canker.  
 DAVFP Falkland, New Denver, Cordova Bay, Cowichan Iik.  
Oidium sp. - Powdery Mildew. Coast.  
Peronospora rubi Rabh. ex Schroet. - Downy Mildew. Saanichton.  
Phragmidium occidentale Arth. - Rust. Coast.  
Septoria rubi West. - Leaf Spot. Coast.  
 Ringspot (Virus) LFV..
- Rubus spectabilis Pursh - Salmonberry.  
Peronospora rubi Rabh. ex Schroet. - Downy Mildew. Saanich.  
Septoria rubi West. - Leaf Spot. Coast.  
Sphaerotheca macularis (Wallr. ex Fr.) P. Magn.  
 - Powdery Mildew. Coast.
- Rubus vitifolius Cham. & Schlecht. - Trailing Blackberry.  
Peronospora rubi Rabh. ex Schroet. - Downy Mildew. Saanich.  
Septoria rubi West. - Leaf Spot. Coast.  
Sphaerotheca macularis (Wallr. ex Fr.) P. Magn.  
 - Powdery Mildew. Coast.
- Salsola kali L. var. tenuifolia Tausch. - Russian Thistle.  
Verticillium dahliae Kleb. - Wilt. OK.
- Sambucus glauca Nutt. - Tree Elder.  
Septoria sambucina Pk. - Leaf Spot. DAVFP Yale.
- Sambucus racemosa L. - Red-fruited Elder.  
Septoria sambucina Pk. - Leaf Spot. VI.
- Sanguisorba microcephala Presl - Burnet.  
Sphaerotheca macularis (Wallr. ex Fr.) P. Magn. - Powdery  
 Mildew. DAVFP Prince Rupert.
- Saxifraga arguta D. Don. - Mountain Saxifrage.  
Puccinia heucherae (Schw.) Diet. - Rust. DAVFP Hope.
- Saxifraga lyallii Engl. - Lyall's Saxifrage.  
Puccinia heucherae (Schw.) Diet. var. heucherae - Rust.  
 DAVFP Barkerville.
- Saxifraga sp. - Saxifrage.  
Puccinia heucherae (Schw.) Diet. - Rust. Cadboro Bay.
- Scirpus microcarpus Presl - Bulrush.  
Puccinia mcclatchieana Diet. & Holw. - Rust. Matsqui.

Sedum spathulifolium Hook. - Stonecrop.

Puccinia umbilici Guép. ex Duby - Rust. DAVFP Langford,  
Beaver Lk.

Senecio aureus L. - Groundsel.

Puccinia recedens Syd. - Rust. DAVFP Manning Park.

Senecio triangularis Hook. - Groundsel.

Puccinia angustata Pk. - Rust. DAVFP Terrace.

Senecio vulgaris L. - Common Groundsel.

Verticillium dahliae Kleb. - Wilt. OK.

Shepherdia argentea (Pursh) Nutt. - Buffalo Berry.

Puccinia caricis-shepherdiae J.J. Davis - Rust.  
DAVFP Invermere.

Shepherdia canadensis Nutt. - Soopolallie.

Puccinia caricis-shepherdiae J.J. Davis - Rust. Sidney,  
Soda Creek; DAVFP Manning Park, Princeton, OK, Kimberley,  
Field, N. Cent.

Puccinia coronata Cda. - Rust. DAVFP Kamloops, Clinton,  
Fort Steele, Osoyoos, Little Fort, Hazelton, Telqua,  
Nicholson, Cottonwood.

Septoria shepherdiae (Sacc.) Dearn. - Leaf Spot. Sidney.

Sidalcea hendersoni S. Wats. - Marsh Hollyhock.

Ramularia sidalceae Ell. & Ev. - Leaf Spot. Agassiz.

Silene menziesii Hook. - Woods Campion.

Septoria silenes West. - Leaf Spot. DAVFP Manning Park.

Sisymbrium altissimum L. - Tumble Mustard.

Albugo cruciferarum S.F. Gray - White Rust. General.

Verticillium dahliae Kleb. - Wilt. OK.

Sisymbrium officinale (L.) Scop. - Tall Hedge Mustard.

Albugo cruciferarum S.F. Gray - White Rust. Coast.

Sisyrinchium douglasii A. Dietr. - Purple-eyed Grass.

Uromyces probus Arth. - Rust. DAVFP Cordova Bay, Langford.

Smilacina racemosa (L.) Desf. - Solomon's Seal.

Cylindrosporium smilacinae Ell. & Ev. - Leaf Spot. Taghum.

Ramularia smilacinae J.J. Davis - Leaf Spot. Monashee Pass,  
Fort St. James.

Solanum nigrum L. - Nightshade.

Oidium sp. - Powdery Mildew. Interior.

Phytophthora infestans (Mont.) de By. - Late Blight. Coast.

Verticillium dahliae Kleb. - Wilt. Interior.

Solanum sarrachoides Sendt. - Hairy Nightshade.

Oidium sp. - Powdery Mildew. Interior.

Verticillium dahliae Kleb. - Wilt. Interior.

Solidago lepida DC. - Goldenrod.

Coleosporium asterum (Diet.) Syd. - Rust. DAVFP Clinton,  
Prince George, Cinema.

Puccinia steboae Arth. - Rust. Matsqui.

Uromyces sommerfeltii Hyl., Jørst. & Nannf. - Rust.  
DAVFP Burns Lk.

Solidago sp. - Goldenrod.

Cercospora sp. - Leaf Spot. Agassiz.

Sonchus oleraceus L. - Sow Thistle.

Alternaria sonchi J.J. Davis - Leaf Spot. Coast.

Bremia lactucae Regel - Downy Mildew. VI.

Sorbus occidentalis (S. Wats.) Greene - Mountain Ash.

Fabraea maculata Atk. - Scald. Prince Rupert.

Gymnosporangium clavipes (Cke. & Pk.) Cke. & Pk. - Rust.  
Castlegar.

Gymnosporangium cornutum Arth. ex Kern - Rust.

DAVFP Hope, Revelstoke.

Gymnosporangium nootkatense Arth. - Rust. DAVFP Courtenay,  
N. Vancouver.

Gymnosporangium tremelloides Hartig - Rust. DAVFP Hope,  
Needles.

Sorbus sitchensis M. Roem. - Sitka Mountain Ash.

Cercospora sp. - Leaf Spot. DAVFP Retallack.

Gymnosporangium clavipes (Cke. & Pk.) Cke. & Pk. - Rust.  
DAVFP Clearwater.

Gymnosporangium cornutum Arth. ex Kern - Rust.

DAVFP Wet Interior.

Gymnosporangium nootkatense Arth. - Rust. DAVFP Blackwater.

Gymnosporangium tremelloides Hartig - Rust. DAVFP Retallack,  
Stove Creek, Hope.

Phyllactinia guttata (Fr.) Lévl. - Powdery Mildew.

DAVFP Terrace.

Spiraea lucida Dougl. - Shiny-leafed Spiraea.

Cylindrosporium filipendulae Thuem. - Leaf Spot.

DAVFP Falkland, Invermere.

Cylindrosporium spiraeicola Ell. & Ev. - Leaf Spot.

Agassiz, Soda Creek.

Stachys ciliata Dougl. - Hedge Nettle.

Erysiphe cichoracearum DC. ex Mésat - Powdery Mildew. Coast.

Stellaria borealis Bigel. - Chickweed.

Melampsorella caryophyllacearum Schroet. - Rust.

DAVFP Crescent Spur.

Ramularia stellariae Rabh. - Leaf Spot. Coast.

Stellaria crispa Cham. & Schlecht. - Chickweed.

Melampsorella caryophyllacearum Schroet. - Rust.

DAVFP Massett, Sooke, Forbidden Plateau.

Stellaria media (L.) Cyr. - Common Chickweed.

Melampsorella caryophyllacearum Schroet. - Rust.

DAVFP Saanich.

Septoria stellariae Rob. & Desm. - Leaf Spot. Coast.

Clover Yellow Mosaic (Virus) LFV.

Stellaria monantha Hult. - Chickweed.

Melampsorella caryophyllacearum Schroet. - Rust.

DAVFP 100 Mile House.

Streptopus roseus Michx. var. curvipes (Vail) Fassett

- Twisted-stalk.

Tubercinia clintoniae Kom. - Smut. Little Fort.

Symphoricarpos mollis Nutt. ssp. hesperius (G.N. Jones)

Abrams ex Ferris - Prostrate Snowberry.

Puccinia symphoricarpi Hark. - Rust. DAVFP Nelway.

Taraxacum officinale Weber - Dandelion.

Puccinia hieracii (Röhling) Mart. - Rust. General.

Ramularia taraxaci Karst. - Leaf Spot. General.

Sphaerotheca macularis (Wallr. ex Fr.) P. Magn. - Powdery Mildew. General.

Synchytrium taraxaci de By. & Wor. - Leaf Gall. Coast.

Taraxacum kok-saghyz Rodin - Russian Dandelion.

Botrytis cinerea Pers. ex Fr. - Blossom Blight. Agassiz.

Taraxacum sp. - Dandelion.

Verticillium dahliae Kleb. - Wilt. Interior.

Tellima grandiflora (Pursh) Dougl. - Fringe Cup.

Puccinia heucherae (Schw.) Diet. var. austroberingiana Savile

- Rust. Vancouver, S. Interior.

Thalictrum alpinum L. - Alpine Meadow Rue.

Puccinia gigantispora Bub. - Rust. DAVFP Haines Highway, Summit Pass.

Thalictrum occidentale A. Gray - Meadow Rue.

Puccinia recondita Rob. ex Desm. - Rust. DAVFP VI,

Wet Interior.



Tiarella trifoliata L. - False Mitrewort.

Puccinia heucherae (Schw.) Diet. var. heucherae - Rust.  
Smithers, Pine Pass; DAVFP Cameron Lk.

Tiarella unifoliata Hook. - False Mitrewort.

Puccinia heucherae (Schw.) Diet. var. heucherae - Rust.  
General; North to Smithers.

Tolmiea menziesii (Pursh) Torr. & Gray - Tolmiea.

Puccinia heucherae (Schw.) Diet var. heucherae - Rust.  
Cheam View, Manning Park, QCI; DAVFP Port Alice, San Josef  
River.

Tragopogon pratensis L. - Yellow Salsify.

Albugo tragopogonis (Pers.) S.F. Gray - White Rust. Squilax  
Verticillium dahliae Kleb. - Wilt. OK.

Trautvetteria grandis Nutt. - False Bugbane.

Puccinia pulsatillae Kalchb. - Rust. Nitinat Trail.  
Ramularia trautvetteriae C.G. Shaw & Sprague - Leaf Spot.  
DAVFP Goldstream.

Trientalis europaea L. - Swamp Starflower.

Puccinia karelica Tranz. ssp. karelica - Rust.  
QCI; DAVFP Princeton.

Trientalis latifolia Hook. - Starflower.

Septoria trientalis (Lasch) Sacc. - Leaf Spot.  
DAVFP Langford.  
Urocystis trientalis (Berk. & Br.) B. Lindeb. - Smut.  
Coast.

Trifolium dubium Sibth. - Yellow Suckling Clover.

Peronospora trifoliorum de By. - Downy Mildew. Coast.  
Sclerotinia trifoliorum Eriks. - Wilt. Coast.  
Uromyces minor Schroet. - Rust. Coast.

Trifolium fimbriatum Lindl. - Perennial Clover.

Cymadothea trifolii (Pers. ex Fr.) Wolf - Sooty Blotch.  
Long Beach.

Trifolium microcephalum Pursh - Woolly Clover.

Uromyces minor Schroet. - Rust. DAVFP Sooke, Goldstream.

Trifolium subterraneum L. - Subterranean Clover.

Sclerotinia trifoliorum Eriks. - Wilt. Coast.  
Uromyces trifolii (Hedw. f. ex DC.) Lévl. - Rust. Coast.

Trillium ovatum Pursh - Trillium, Wake Robin.

Urocystis trillii Jacks. - Smut. Vancouver.

Urtica lyallii S. Wats. - Lyall's Nettle.Leptosphaeria acuta (Moug. & Nestl.) Karst. - Leaf Spot.

DAVFP Point Grey.

Puccinia caricina DC. - Rust. DAVFP Cottonwood, Goldstream, Nanaimo Lakes.Ramularia urticae Ces. - Leaf Spot. DAVFP Skutz Falls.Vaccinium caespitosum Michx. - Dwarf Bilberry.Exobasidium vaccinii-uliginosi Boud. DAVFP Haines Highway.Pucciniastrum vaccinii (Wint.) Jørst. - Rust.

DAVFP Jesmond, Princeton.

Vaccinium membranaceum Dougl. - Mountain Bilberry.Exobasidium cordilleranum Savile var. minor Savile - Red Leaf.

DAVFP Buttle Lk., Steamboat Mtn., Falkland.

Pucciniastrum goeppertianum (Kühn) Kleb. - Rust.

DAVFP Falkland.

Pucciniastrum vaccinii (Wint.) Jørst. - Rust. DAVFP Kelowna, Wet Interior, Courtenay.Vaccinium myrtilloides Michx. - Canada Blueberry.Pucciniastrum vaccinii (Wint.) Jørst. - Rust. DAVFP Quesnel.Vaccinium ovalifolium J.E. Smith - Tall Blueberry.Exobasidium cordilleranum Savile - Red Leaf. DAVFP Terrace, Nanaimo, Aleza Lk., Robson Park, Falkland.Exobasidium parvifolii Hotson - Witches' Broom. DAVFP Duncan, QCI.Exobasidium vaccinii Wor. - Red Leaf. DAVFP Revelstoke, Hope, QCI.Pucciniastrum goeppertianum (Kühn) Kleb. - Rust.

DAVFP Alberni, Mt. Arrowsmith, Sechelt Penin., Ucluelet.

Pucciniastrum vaccinii (Wint.) Jørst. - Rust. DAVFP Massett, Revelstoke, Hope-Princeton, Boat Encampment, Crescent Spur.Vaccinium ovatum Pursh - Evergreen Huckleberry.Lophodermium melaleucum (Fr.) de N. var. melaleucum - Leaf Spot.

DAVFP Ucluelet.

Pucciniastrum goeppertianum (Kühn) Kleb. - Rust. DAVFP VI.Vaccinium parvifolium Smith - Red Huckleberry.Chrysomyxa ledi de By. var. vaccinii Ziller - Rust.

DAVFP Naka Creek, VI, QCI.

Dasyscyphus virginellus (Cke.) Sacc. - Canker.

DAVFP Cowichan Lk.

Exobasidium vaccinii Wor. - Witches' Broom. DAVFP Healy, Shelton Lk., QCI.Helminthosporium sp. - Leaf Spot. DAVFP Horn Lk.Lophodermium cladophilum (Lév.) Rehm - Leaf Spot.

DAVFP Saanichton.

Microsphaera penicillata (Wallr. ex Fr.) Lév. var. vaccinii (Schwein.) W.B. Cke. - Powdery Mildew. DAVFP Cameron Lk.Monilia sp. - Twig Blight. DAVFP Holberg.Pucciniastrum goeppertianum (Kühn) Kleb. - Rust.

Vaccinium parvifolium (cont'd)

DAVFP Nanaimo Lakes, Cowichan Lk., Daisy Lk., Terrace,  
Holberg, Ucluelet.

Pucciniastrum vaccinii (Wint.) Jørst. - Rust.

DAVFP Courtenay.

Vaccinium scoparium Leiberg - Red Alpine Blueberry.

Exobasidium vaccinii Wor. - Red Leaf. DAVFP Lumby.

Pucciniastrum goeppertianum (Kühn) Kleb. - Rust.

DAVFP Needles.

Pucciniastrum vaccinii (Wint.) Jørst. - Rust.

DAVFP Pavilion.

Vaccinium vitis-idaea L. - Mountain Cranberry.

Exobasidium vaccinii Wor. var. vaccinii - Red Leaf.

DAVFP Lower Post.

Pucciniastrum goeppertianum (Kühn) Kleb. - Rust.

DAVFP Muncho Lk., Germansen Lk.

Pucciniastrum vaccinii (Wint.) Jørst. - Rust.

DAVFP Lower Post.

Veratrum eschscholtzii A. Gray - False Hellebore.

Cercospora veratri Pk. - Leaf Spot. Terrace.

Phyllosticta melanoplaca Thuem. - Leaf Spot. QCI.

Puccinia veratri Duby - Rust. Hazelton, Terrace, QCI.

Veronica tournefortii C.C. Gmel - Speedwell.

Gloeosporium veronicae Dearn. & House - Leaf Spot. Saanich.

Viburnum edule (Michx.) Raf. - Highbush Cranberry.

Ascochyta viburni Sacc. - Leaf Spot. Coast.

Puccinia linkii Klotzsch - Rust. DAVFP Fort St. John,  
Bednesti, Smithers Idg.

Viola glabella Nutt. - Yellow Swamp Violet.

Puccinia ornatula Holw. - Rust. DAVFP Goldstream.

Puccinia violae (Schum.) DC. - Rust. Interior, Cariboo, Coast.

Synchytrium sp. - Leaf Gall. DAVFP Silverton.

Viola howellii A. Gray - Howell's Violet.

Puccinia violae (Schum.) DC. - Rust. Agassiz.

Viola orbiculata Geyer - Western Round-leaved Violet.

Puccinia canadensis Arth. - Rust. Cascade, Monashee  
& Selkirk Mts.

Viola palustris L. - Swamp Violet.

Puccinia fergussonii Berk. & Br. - Rust. Revelstoke;  
DAVFP Falkland.

Viola rugulosa Greene - White Violet.

Puccinia violae (Schum.) DC. - Rust. Jesmond, Smithers;  
DAVFP Kamloops.

Xanthium italicum Mor. - Cockle-bur.

Puccinia canaliculata (Schw.) Lagh. - Rust. Osoyoos.

Zygadenus elegans Pursh - Mountain Camass.

Puccinia grumosa Syd. & Holw. - Rust. Field.

Zygadenus venenosus S. Wats. - Death Camass, Zygadene.

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