

2001 HOST PATHOGEN INDEX FOR THE PUYALLUP PLANT AND INSECT DIAGNOSTIC LABORATORY

Broadleaf Trees, Diseases, Fungal

<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Occurrences</u>
vine maple	<i>Acer circinatum</i>	Phomopsis canker	<i>Phomopsis</i> sp.	
bigleaf maple	<i>Acer macrophyllum</i>	Verticillium wilt	<i>Verticillium</i> sp.	9
Japanese maple	<i>Acer palmatum</i>	Nectria canker	<i>Nectria</i> sp.	2
red sunset maple	<i>Acer rubrum</i>	Valsa dieback	<i>Cytospora</i> sp.	
maple	<i>Acer</i> sp.	Verticillium wilt	<i>Verticillium</i> sp.	2
madrone	<i>Arbutus menziesii</i>	Phytophthora root rot	<i>Phytophthora cactorum</i>	
fringe tree	<i>Chionanthus virginicus</i>	powdery mildew		
dogwood	<i>Cornus florida</i>	dogwood anthracnose	<i>Discula destructiva</i>	2
dogwood	<i>Cornus</i> sp.	powdery mildew	<i>Microsphaera</i> sp.	2
hawthorn	<i>Crataegus</i> sp.	Entomosporium leaf spot	<i>Entomosporium mespili</i>	
crabapple	<i>Malus</i> sp.	crabapple scab	<i>Venturia inaequalis</i>	
poplar	<i>Populus</i> sp.	leaf rust	<i>Melampsora</i> sp.	
hybrid poplar	<i>Populus</i> sp.	poplar leaf blister	<i>Taphrina populina</i>	
flowering cherry	<i>Prunus</i> sp.	brown rot	<i>Monolinia</i> sp.	6
aprium, flowering cherry	<i>Prunus</i> spp.	Coryneum blight	<i>Wilsonomyces carpophilis</i>	2
white oak	<i>Quercus alba</i>	oak anthracnose	<i>Discula quercina</i>	
oak	<i>Quercus</i> sp.	oak galls	<i>Phomopsis</i> sp.	
corkscrew willow	<i>Salix matsudana</i> 'Tortuosa'	twig blight	<i>Venturia</i> sp.	
willow	<i>Salix</i> sp.	leaf & twig spot	<i>Marssonina</i> sp.	
willow	<i>Salix</i> sp.	Melampsora rust	<i>Melampsora</i> sp.	
willow	<i>Salix</i> sp.	twig blight	<i>Venturia</i> sp.	
winged elm	<i>Ulmus alata</i>	Dutch elm disease	<i>Ophiostoma ulmi</i>	
American elm	<i>Ulmus americana</i>	Dutch elm disease	<i>Ophiostoma ulmi</i>	2

Broadleaf Trees, Diseases, Bacterial

<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	
flowering cherry	<i>Prunus serrulata</i> 'Shirofugen'	bacterial canker	<i>Pseudomonas syringae</i>	

Conifers, Diseases- Fungal

<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Occurrences</u>
fraser fir	<i>Abies fraseri</i>	Annosus root disease	<i>Heterobasidion annosum</i>	
grand fir	<i>Abies grandis</i>	rust	<i>Uredinopsis pteridis</i>	2
grand fir	<i>Abies procera</i>	Phytophthora root rot	<i>Phytophthora</i> sp.	
grand fir	<i>Abies procera</i>	Annosus root disease	<i>Heterobasidion annosum</i>	
fir	<i>Abies</i> sp.	Phytophthora root rot	<i>Phytophthora</i> sp.	
fir	<i>Abies</i> sp.	Uredinopsis rust	<i>Uredinopsis</i> sp.	
Port Orford cedar	<i>Chamaecyparis lawsoniana</i>	Phytophthora root rot	<i>Phytophthora lateralis</i>	
mugo pine	<i>Pinus mugo</i>	needlecast	<i>Lophodermium</i> sp.	

Conifers, Diseases- Fungal, Continued

<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Occurrences</u>
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ponderosa pine	<i>Pinus ponderosa</i>	Elytroderma needle cast	<i>Elytroderma</i> sp.	
pine	<i>Pinus</i> sp.	Lophodermella needlecast	<i>Lophodermella</i> sp.	
pine	<i>Pinus</i> sp.	Lophodermium needle cas	<i>Lophodermium</i> sp.	
Douglas fir	<i>Pseudotsuga menzeisii</i>	canker	<i>Phoma</i> sp.	3
Douglas fir	<i>Pseudotsuga menzeisii</i>	Phytophthora root rot	<i>Phytophthora</i> sp.	
Douglas fir	<i>Pseudotsuga menziesii</i>	Melampsora needle rust	<i>Melampsora occidentalis</i>	
Douglas fir	<i>Pseudotsuga menziesii</i>	Swiss needlecast	<i>Phaeocryptopus gaeumannii</i>	
Douglas fir	<i>Pseudotsuga menziesii</i>	Phomopsis canker	<i>Phomopsis lokoyea</i>	
sequoia	<i>Sequoiadendron giganteum</i>	gray mold	<i>Botrytis cinerea</i>	2
yew	<i>Taxus</i> sp.	root rot	<i>Phytophthora</i> sp.	
arborvitae	<i>Thuja orientalis</i>	Berckmann's blight	<i>Seimatosporium berckmansii</i>	2
Western red cedar	<i>Thuja plicata</i>	leaf blight	<i>Didymascella thujina</i>	
Western red cedar	<i>Thuja plicata</i>	leaf blight	<i>Phomopsis</i> sp.	
Western red cedar	<i>Thuja plicata</i>	leaf blight	<i>Seiridium</i> sp.	
Western red cedar	<i>Thuja plicata</i>	black root rot	<i>Thielaviopsis basicola</i>	
Western hemlock seedlings	<i>Tsuga heterophylla</i>	Fusarium rot	<i>Fusarium oxysporum</i>	2
Shrubs & Vines, Diseases- Fungal				
<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Occurrences</u>
akebia	<i>Akebia quinata</i>	powdery mildew	<i>Erysiphe</i> sp.	
kinnikinnick	<i>Arctostaphylos uva-ursi</i>	Phyllosticta leaf spot	<i>Phyllosticta</i> sp.	
Kousa dogwood	<i>Cornus kousa</i>	gray mold	<i>Botrytis cinerea</i>	
Japanese euonymus	<i>Euonymus japonica</i>	powdery mildew	<i>Oidium euonymus japonici</i>	
English laurel	<i>Prunus laurocerarus</i>	brown rot	<i>Monilinia</i> sp.	
rhododendron	<i>Rhododendron</i> sp.	Armillaria root rot	<i>Armillaria</i> sp.	
rhododendron	<i>Rhododendron</i> sp.	leaf and flower gall	<i>Exobasidium vaccinii</i>	
rhododendron	<i>Rhododendron</i> sp.	powdery mildew	<i>Microsphaera azaleae</i>	4
rhododendron	<i>Rhododendron</i> sp.	leaf spot	<i>Phyllosticta</i> sp.	
rose	<i>Rosa</i> sp.	Armillaria root rot	<i>Armillaria</i> sp.	
rose	<i>Rosa</i> sp.	black spot	<i>Diplocarpon rosae</i>	
rose	<i>Rosa</i> sp.	rose rust	<i>Phragmidium</i> sp.	
viburnum	<i>Viburnum</i> sp.	Armillaria root rot	<i>Armillaria</i> sp.	
Small Fruits & Berries, Diseases- Fungal				
<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Occurrences</u>
kiwi	<i>Actinidia</i> sp.	Nectria coral spot canker	<i>Nectria cinnabarina</i>	
strawberry 'Puget Reliance'	<i>Fragaria</i> sp.	Gnomonia leaf blotch	<i>Gnomonia comari</i>	

strawberry	<i>Fragaria</i> sp.	common leaf spot	<i>Mycosphaerella fragariae</i>	
strawberry	<i>Fragaria</i> sp.	black root rot complex	<i>Rhizoctonia</i> sp.	3
strawberry	<i>Fragaria</i> sp.	powdery mildew	<i>Sphaerotheca macularis</i>	2
raspberry	<i>Rubus idaeus</i>	Armillaria root rot	<i>Armillaria</i> sp.	
raspberry	<i>Rubus idaeus</i>	cane Botrytis	<i>Botrytis cinerea</i>	3
raspberry	<i>Rubus idaeus</i>	Ascospora dieback	<i>Clethridium corticola</i>	
raspberry	<i>Rubus idaeus</i>	spur blight	<i>Didymella applanata</i>	
raspberry	<i>Rubus idaeus</i>	Phytophthora root rot	<i>Phytophthora</i> sp.	5
blackberry 'Marion'	<i>Rubus</i> sp.	cane and leaf rust	<i>Kuehneola uredinis</i>	
blackberries	<i>Rubus</i> sp.	Ascospora dieback	<i>Seimatosporium lichenicola</i>	
blueberry 'Bluecrop' & 'Bluejay'	<i>Vaccinium</i> sp.	Botrytis blight	<i>Botrytis cinerea</i>	
grape	<i>Vitis vinifera</i>	powdery mildew	<i>Uncinula necator</i>	2
Small Fruits & Berries, Diseases- Viral				
Host	Latin Name	Common Name		Occurrences
blueberry	<i>Vaccinium</i> sp.	viral infection (likely)		4
blueberry 'Bluecrop' & 'Bluejay'	<i>Vaccinium</i> sp.	Shock virus		
Tree Fruits, Diseases- Fungal				
Host	Latin Name	Common Name	Scientific	Occurrences
hazelnut	<i>Corylus</i> sp.	Eastern filbert blight	<i>Anisogramma anomala</i>	
apple	<i>Malus domestica</i>	anthracnose	<i>Cryptosporiopsis curvispora</i>	
apple 'Gravenstein'	<i>Malus domestica</i>	powdery mildew	<i>Podosphaera leucotricha</i>	
apple	<i>Malus domestica</i>	apple scab	<i>Venturia inaequalis</i>	3
sweet cherry	<i>Prunus avium</i>	brown rot	<i>Monilinia</i> sp.	2
peach 'Frost'	<i>Prunus persica</i>	Cytospora canker	<i>Cytospora</i> sp.	
peach 'Frost'	<i>Prunus persica</i>	Coryneum blight	<i>Wilsonomyces carpophilus</i>	3
Italian prune	<i>Prunus</i> sp.	silver leaf	<i>Chondostereum purpureum</i>	
plum	<i>Prunus</i> sp.	Coryneum blight	<i>Wilsonomyces carpophilus</i>	
apricot	<i>Prunus</i> sp.	Coryneum blight	<i>Wilsonomyces carpophilus</i>	
pear	<i>Pyrus communis</i>	rust	<i>Gymnosporangium</i> sp.	
pear	<i>Pyrus communis</i>	powdery mildew	<i>Podosphaera leucotricha</i>	
pear	<i>Pyrus communis</i>	pear scab	<i>Venturia pirina</i>	5
Tree Fruits, Diseases- Bacterial				
Host	Latin Name	Common Name	Scientific	
English walnut	<i>Juglans</i> sp.	walnut blight	<i>Xanthomonas arboricola</i> pv. <i>juglandis</i>	
sweet cherry	<i>Prunus avium</i>	bacterial canker	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	
Turfgrass, Diseases Fungal				
Host	Latin Name	Common Name	Scientific	Occurrences
golf turf		fairy ring	basidiomycete	3
turf	<i>Poa annua</i>	anthracnose	<i>Collectotrichum graminicola</i>	8
home lawn		Curvularia blight	<i>Curvularia</i> sp.	
golf turf		Dresclera leaf spot	<i>Dresclera</i> sp.	2
home lawn	<i>Poa pratensis</i>	leaf spot	<i>Dresclera</i> sp.; <i>Bipolaris</i> sp.	
turf	<i>Agrostis</i> sp.	take-all patch	<i>Gaeumannomyces graminis</i>	

turf	<i>Deschampia caespitosa</i>	take-all patch	<i>Gaeumannomyces graminis</i>	
home lawn		red thread	<i>Laetisaria fuciformis</i>	
home lawn	<i>Poa pratensis</i>	necrotic ring spot	<i>Leptosphaeria korrae</i>	9
turf	<i>Lolium perenne</i>	Fusarium patch	<i>Microdochium nivale</i>	2
turf	<i>Poa pratensis</i>	Puccinia rust	<i>Puccinia</i> sp.	
golf course		damping off	<i>Pythium</i> sp.	
golf course	<i>Poa annua</i>	Pythium crown & root rot	<i>Pythium</i> sp.	4
turf		yellow patch	<i>Rhizoctonia cerealis</i>	9
home lawn	<i>Poa pratensis</i>	brown patch	<i>Rhizoctonia solani</i>	
home lawn		brown or yellow patch	<i>Rhizoctonia</i> sp.	
golf course	<i>Agrostis</i> sp.	downy mildew (yellow tuft)	<i>Sclerophthora macrospora</i>	5
golf course	<i>Agrostis</i> sp.	dollar spot	<i>Sclerotinia homoeocarpa</i>	
turf		Typhula blight	<i>Typhula</i> sp.	3
Vegetable and Herbs, Diseases- Fungal				
Host	Latin Name	Common Name	Scientific	Occurrences
collard green	<i>Brassica oleracea</i> var. <i>viridis</i>	downy mildew	<i>Peronospora parasitica</i>	
carrot	<i>Daucus carota</i>	Alternaria leaf blight	<i>Alternaria dauci</i>	
tomato	<i>Lycopersicon esculatum</i>	gray mold	<i>Botrytis cinerea</i>	2
pole bean 'Blue Lake'	<i>Phaseolus vulgaris</i>	bean rust	<i>Uromyces appendiculatus</i>	
pea	<i>Pisum sativum</i>	Aphanomyces root rot	<i>Aphanomyces euteiches</i> f. sp. <i>pisi</i>	2
pea	<i>Pisum sativum</i>	powdery mildew	<i>Erysiphe pisi</i>	
pea	<i>Pisum sativum</i>	damping off	<i>Pythium</i> sp.	2
rhubarb	<i>Rheum rhubarbarum</i>	crown rot	<i>Rhizoctonia solani</i>	
potatoes	<i>Solanum tuberosum</i>	powdery scab	<i>Sponospora subterranea</i>	
Vegetable and Herbs, Diseases- Bacterial				
Host	Latin Name	Common Name	Scientific	
cucumber	<i>Cucumis sativa</i>	angular leaf spot	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	
soybean	<i>Glycine max</i>	bacterial blight	<i>Pseudomonas savastanoi</i> pv. <i>glycinea</i>	
dry beans	<i>Phaseolus</i> sp.	halo blight	<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>	
rhubarb	<i>Rheum rhubarbarum</i>	red leaf	<i>Erwinia rhapontici</i>	
Vegetable and Herbs, Diseases- Viral (Unknown Etiology)				
Host	Latin Name	Common Name		
peppers	<i>Capsicum annuum</i>	virus disease		
pumpkin	<i>Cucurbita pepo</i>	virus disease		
rhubarb	<i>Rheum rhubarbarum</i>	ringspot		
Flowers, Diseases Fungal				
Host	Latin Name	Common Name	Scientific	Occurrences
fuchsia	<i>Fuchsia x hybrida</i>	gray mold	<i>Botrytis cinerea</i>	
fuchsia	<i>Fuchsia x hybrida</i>	black root rot	<i>Thielaviopsis basicola</i>	2

heliotrope	<i>Heliotropium</i> sp.	gray mold	<i>Botrytis cinerea</i>	
iris	<i>Iris foetidissima</i>	iris rust	<i>Puccinia iridis</i>	
lillies	<i>Lillium</i> sp.	Sclerotium crown rot	<i>Sclerotium delphinii</i>	
lily	<i>Lillium</i> sp.	Botrytis blight	<i>Botrytis elliptica</i>	
lupine 'Russell'	<i>Lupinus</i> sp.	downy mildew	<i>Peronospora trifoliorum</i>	
blue poppy	<i>Meconopsis</i> sp.	downy mildew	<i>Peronospora</i> sp.	
daffodils	<i>Narcissus</i> sp.	basal rot	<i>Fusarium oxysporum</i>	
daffodils	<i>Narcissus</i> sp.	leaf scorch	<i>Stagonospora curtisii</i>	
peony	<i>Paeonia</i> sp.	Botrytis blight	<i>Botrytis</i> sp.	
bocopa	<i>Sutera</i> sp.	gray mold	<i>Botrytis cinerea</i>	
tulip	<i>Tulipa</i> sp.	fire	<i>Botrytis tulipae</i>	2
Flowers, Diseases- Bacterial				
Host	Latin Name	Common Name	Scientific	
hyacinth	<i>Hyacinthus orientalis</i>	yellow's disease	<i>Xanthomonas hyacinthi</i>	
lillies	<i>Lillium</i> sp.	bacterial fasciation	<i>Rhodococcus fascians</i>	
geranium	<i>Pelargonium</i> sp.	bacterial leaf spot or blight	<i>Xanthomonas hortorum</i> pv. <i>perlargonii</i>	
Flowers, Diseases- Viral				
Host	Latin Name	Common Name		
dahlia	<i>Dahlia</i> sp.	Tomato Spotted Wilt virus		
lily	<i>Lillium</i> sp.	Lily Symptomless virus		
nasturtiums	<i>Tropaeolum majus</i>	ringspot		
Flowers, Diseases- Nematode				
Host	Latin Name	Common Name	Scientific	
daffodils 'Cheerfulness' & 'Tete a Tete'	<i>Narcissus</i> sp.	stem and bulb nematode	<i>Ditylenchus dipsaci</i>	
Houseplants, Diseases- Fungal				
Host	Latin Name	Common Name	Scientific	
peace lily	<i>Spathiphyllum</i> sp.	root rot	<i>Cylindrocladium</i> sp.	