

Host Pathogen Index for the WSU Puyallup Plant and Insect Diagnostic Laboratory

Vegetable and Herbs, Diseases- Fungal

<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Year</u>	<u>Occurrences</u>
garlic	<i>Allium sativum</i>	basal rot	<i>Fusarium culmorum</i>	2003	2
garlic	<i>Allium sativum</i>	white rot	<i>Sclerotium cepivorum</i>	2002	1
red beet	<i>Beta vulgaris</i>	dry rot	<i>Rhizoctonia solani</i>	2002	2
kohlrabi	<i>Brassica oleracea</i>	clubroot	<i>Plasmodiophora brassicae</i>	2003	1
collard green	<i>Brassica oleracea</i> var. <i>viridis</i>	downy mildew	<i>Peronospora parasitica</i>	2001	
					1
mustard greens	<i>Brassica</i> sp.	white rust	<i>Albugo candida</i>	2002	2
mustard greens	<i>Brassica</i> sp.	Alternaria leaf spot	<i>Alternaria brassicae</i>	2002	1
bok choi	<i>Brassica</i> sp.	clubroot	<i>Plasmodiophora brassicae</i>	2003	1
mustard greens	<i>Brassica</i> sp.	Septoria leaf spot	<i>Septoria</i> sp.	2002	1
lemon cucumber	<i>Cucumis sativus</i>	Fusarium root rot	<i>Fusarium</i> sp.	2003	1
pumpkin 'Jackpot'	<i>Cucurbita pepo</i>	powdery mildew	<i>Erysiphe cichoracearum</i>	2003	1
			<i>Fusarium solani</i> f.sp. <i>cucurbitae</i>	2002	
					1
zucchini	<i>Cucurbita pepo</i>	stem rot	<i>Fusarium</i> sp.	2002	1
cucumber	<i>Cucurbita</i> sp.	stem rot	<i>Verticillium</i> sp.	2003	1
pumpkin	<i>Cucurbita</i> sp.	Verticillium wilt	<i>Fusarium</i> sp.	2003	1
globe artichoke	<i>Cynara scolymus</i>	Fusarium root/stem rot	<i>Alternaria</i> sp.	2001	1
carrot	<i>Daucus carota</i>	Alternaria leaf blight	<i>Thielaviopsis basicola</i>	2002	3
soybean	<i>Glycine max</i>	seed decay	<i>Bremia lactucae</i>	2002	1
soybean	<i>Glycine max</i>	black root rot	<i>Pythium</i> sp.	2003	1
lettuce	<i>Lactuca sativa</i>	downy mildew	<i>Rhizoctonia</i> sp.	2002	1
lettuce	<i>Lactuca sativa</i>	damping off	<i>Botrytis cinerea</i>	2001, 2003	3
lavender	<i>Lavendula x intermedia</i>	Rhizoctonia root rot	<i>Fulvia fulva</i>	2003	1
tomato	<i>Lycopersicon esculatum</i>	gray mold	<i>Phytophthora infestans</i>	2002, 2003	2
tomato	<i>Lycopersicon esculatum</i>	leaf mold	<i>Thielaviopsis basicola</i>	2002	1
tomato	<i>Lycopersicon esculatum</i>	late blight	<i>Uromyces appendiculatus</i>	2002	1
basil	<i>Ocimum basilicum</i>	black root rot	<i>Aphanomyces euteiches</i>	2001	
bean	<i>Phaseolus vulgaris</i>	black root rot	f. sp. <i>pisi</i>		1
pole bean	<i>Phaseolus vulgaris</i>	bean rust			
'Blue Lake'					1
pea	<i>Pisum sativum</i>	Aphanomyces root rot			2

Vegetable and Herbs, Diseases- Fungal, continued

Host	Latin Name	Common Name	Scientific	Year	Occurrences
pea	<i>Pisum sativum</i>	powdery mildew	<i>Erysiphe pisi</i>	2001	1
pea	<i>Pisum sativum</i>	damping off	<i>Pythium</i> sp.	2001	2
rhubarb	<i>Rheum rhubarbarum</i>	crown rot	<i>Rhizoctonia solani</i>	2001	1
potatoes	<i>Solanum tuberosum</i>	early blight	<i>Alternaria solani</i>	2003	1
potato	<i>Solanum tuberosum</i>	late blight	<i>Phytophthora infestans</i>	2002	1
potatoes 'Chieftain'	<i>Solanum tuberosum</i>	leak	<i>Pythium</i> sp.	2003	1
potatoes	<i>Solanum tuberosum</i>	powdery scab	<i>Sponospora subterranea</i>	2001	1
potato	<i>Solanum tuberosum</i>	Verticillium wilt	<i>Verticillium</i> sp.	2003	1

Vegetable and Herbs, Diseases- Bacterial

Host	Latin Name	Common Name	Scientific	Year	Occurrences
Asian vegetables	<i>Brassica</i> spp.	angular leaf spot	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	2002	1
cilantro	<i>Coriandrum</i> sp.	bacterial leaf spot	<i>Pseudomonas syringae</i> pv. <i>coriandricola</i>	2002	1
cucumber	<i>Cucumis sativa</i>	angular leaf spot	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	2001, 2003	2
pumpkin 'Oz'	<i>Cucurbita pepo</i>	angular leaf spot	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	2002	1
carrot	<i>Daucus carota</i>	scab	<i>Streptomyces scabies</i>	2002	1
soybean	<i>Glycine max</i>	bacterial blight	<i>Pseudomonas savastanoi</i> pv. <i>glycinea</i>	2001	1
beans	<i>Phaseolus vulgaris</i>	halo blight	<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>	2002	1
dry beans	<i>Phaseolus</i> sp.	halo blight	<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i>	2001	1
daikon	<i>Raphanus sativus</i>	common scab	<i>Streptomyces scabies</i>	2003	1
rhubarb	<i>Rheum rhubarbarum</i>	red leaf	<i>Erwinia rhamontici</i>	2001	1
potatoes 'Chieftain'	<i>Solanum tuberosum</i>	bacterial soft rot	<i>Erwinia carotovora</i> pv. <i>carotovora</i>	2003	1

Vegetable and Herbs, Diseases- Viral

Host	Latin Name	Common Name	Scientific	Year	Occurrences
peppers	<i>Capsicum annuum</i>	virus disease	unknown etiology	2001	1
pumpkin 'Jackpot'	<i>Cucurbita pepo</i>	potyvirus	potyvirus	2002	1

Vegetable and Herbs, Diseases- Viral, continued

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pumpkin	<i>Cucurbita pepo</i>	virus disease	unknown etiology	2001	1
tomato	<i>Lycopersicon esculentum</i>	beet curly top virus	beet curly top virus	2003	2
tomatoes	<i>Lycopersicon esculentum</i>	tomato spotted wilt	tomato spotted wilt	2003	1
pea	<i>Pisum sativa</i>	pea enation mosaic virus	pea enation mosaic virus	2002	1
rhubarb	<i>Rheum rhubarbarum</i>	ringspot	unknown etiology	2001	1

Vegetables & Herbs, Diseases, Nematode

<u>Host</u>	<u>Latin Name</u>	<u>Common Name</u>	<u>Scientific</u>	<u>Year</u>	<u>Occurrences</u>
basil	<i>Ocimum basilicum</i>	foliar nematodes	<i>Aphelenchoides</i> sp.	2002	1