

Supplementary Materials

Table S1. The most serious insect, disease, and parasitic plant agents for each of 419 tree species native to the conterminous United States, up to five per species. Nonnative invasive agents are indicated with *. Taxon (T) is identified for each agent (I=insect, D=disease, P=parasitic plant, C=insect and disease multi-agent complex), and Guild (G) is identified for insect agents (B=phloem- or wood-borers, F=foliage-feeders, S=sap-feeders). The agents are sorted by Severity (Sev.) within each species. The sources of the information are also provided.

Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Abies amabilis</i>	Pacific silver fir	Silver fir beetle (<i>Pseudohylesinus sericeus</i>)	I/B	5	[1,2]
		Balsam woolly adelgid (<i>Adelges piceae</i>)*	I/S	3	[2,3]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[2]
		Laminated root rot (<i>Phellinus sulphurascens</i>)	D	3	[4]
		Indian paint fungus (<i>Echinodontium tinctorium</i>)	D	1	[2]
<i>Abies balsamea</i>	balsam fir	Balsam woolly adelgid (<i>Adelges piceae</i>)*	I/S	8	[1,3,5]
		Spruce budworm (<i>Choristoneura fumiferana</i>)	I/F	8	[1]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1,6]
		Red heart fungus (<i>Stereum sanguinolentum</i>)	D	1	[1,6,7]
		Rust fungus (<i>Melampsorella caryophyllacearum</i>)	D	1	[1,6]
		<i>Abies bracteata</i>	bristlecone fir	Lophodermium needle cast (<i>Lophodermium</i> spp.)	D
Needle cast (<i>Lirula nervisequia</i> var. <i>conspicua</i>)	D			1	[8-10]
True fir bark beetles (<i>Scolytus dentatus</i>)	I/B			1	[11]
<i>Abies concolor</i>	white fir	Armillaria root disease (<i>Armillaria</i> spp.)	D	5	[12,13]
		Fir engraver (<i>Scolytus ventralis</i>)	I/B	5	[1]
		Douglas-fir tussock moth (<i>Orgyia pseudotsugata</i>)	I/F	3	[1,14,15]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[16]
		Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	3	[1]
<i>Abies fraseri</i>	Fraser fir	Balsam woolly adelgid (<i>Adelges piceae</i>)*	I/S	8	[1]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	5	[1,17]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[1]
		Two-spotted spider mite (<i>Tetranychus urticae</i>)	I/S	1	[1]
<i>Abies grandis</i>	grand fir	Armillaria root disease (<i>Armillaria</i> spp.)	D	8	[1,6,18]
		Fir engraver (<i>Scolytus ventralis</i>)	I/B	8	[1,19]

Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Abies lasiocarpa</i>	subalpine fir	Laminated root rot (<i>Phellinus sulphurascens</i>)	D	8	[1,20]
		Balsam woolly adelgid (<i>Adelges piceae</i>)*	I/S	3	[2,3]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[1]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	8	[1,18,21]
		Balsam woolly adelgid (<i>Adelges piceae</i>)*	I/S	8	[1,22,23]
		Western balsam bark beetle (<i>Dryocoetes confusus</i>)	I/B	8	[1,12,24]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[16]
<i>Abies lasiocarpa</i> var. <i>arizonica</i>	corkbark fir	Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	1	[1,25]
		Western balsam bark beetle (<i>Dryocoetes confusus</i>)	I/B	5	[1,26]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[1,18,21]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[16]
<i>Abies magnifica</i>	California red fir	Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	3	[1,25]
		Fir engraver (<i>Scolytus ventralis</i>)	I/B	3	[1,26,27]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[16]
		Indian paint fungus (<i>Echinodontium tinctorium</i>)	D	1	[1,28]
		Laminated root rot (<i>Phellinus sulphurascens</i>)	D	1	[4]
<i>Abies magnifica</i> var. <i>shastensis</i>	Shasta red fir	Red fir dwarf mistletoe (<i>Arceuthobium abietinum</i> f. sp. <i>magnifica</i>)	P	1	[1]
		Fir engraver (<i>Scolytus ventralis</i>)	I/B	3	[29]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[29]
		Indian paint fungus (<i>Echinodontium tinctorium</i>)	D	1	[28]
		Red fir dwarf mistletoe (<i>Arceuthobium abietinum</i> f. sp. <i>magnifica</i>)	P	1	[30]
		Red ring rot canker (<i>Phenillus cancriformans</i>)	D	1	[29]
<i>Abies procera</i>	noble fir	Indian paint fungus (<i>Echinodontium tinctorium</i>)	D	5	[1,31]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[16]
		Red ring rot (<i>Phellinus pini</i> var. <i>cancriformans</i>)	D	3	[1]

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Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Acacia farnesiana</i>	sweet acacia	Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	D	3	[1]
		Laminated root rot (<i>Phellinus sulphurascens</i>)	D	1	[4]
		Clitocybe root rot (<i>Armillaria tabescens</i>)	D	1	[13,32]
		Cotton root rot (<i>Phymatotrichopsis omnivora</i>)	D	1	[13,32]
		Rust (<i>Ravenelia</i> spp.)	D	1	[32]
<i>Acacia greggii</i>	catclaw acacia	Twig girdler (<i>Oncideres pustulatus</i>)	I/B	1	[32]
		Mistletoe (<i>Phoradendron californicum</i>)	P	1	[33]
		Rust (<i>Ravenelia versatilis</i>)	D	1	[8]
<i>Acer floridanum</i>	Florida maple	White rot (<i>Phellinus badius</i>)	D	1	[8]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
<i>Acer glabrum</i>	Rocky Mountain maple	Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[34,35]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		White spongy rot (<i>Phellinus igniarius</i>)	D	3	[13]
<i>Acer grandidentatum</i>	bigtooth maple	Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
		Oak bracket (<i>Inonotus dryadeus</i>)	D	1	[36]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[34,35]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Fall cankerworm (<i>Alsophila pometaria</i>)	I/F	3	[37]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
		Linden looper (<i>Erranis tiliaria</i>)	I/F	1	[37]
<i>Acer leucoderme</i>	chalk maple	Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[34,35]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[34,35]

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<i>Acer macrophyllum</i>	bigleaf maple	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Polyphagous shot hole borer (<i>Euwallacea</i> spp.)*	I/B	5	[38]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	1	[7,39]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1]
<i>Acer negundo</i>	boxelder	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Polyphagous shot hole borer (<i>Euwallacea</i> spp.)*	I/B	5	[38,40]
		Eutypella canker (<i>Eutypella parasitica</i>)	D	1	[1,41]
		Heart rot (<i>Inonotus glomeratus</i>)	D	1	[1,36]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1,42]
<i>Acer nigrum</i>	black maple	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Eutypella canker (<i>Eutypella parasitica</i>)	D	1	[1,41]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1,42]
<i>Acer pensyloanicum</i>	striped maple	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
		Leaf spot disease (<i>Cristulariella depraedans</i>)	D	1	[1]
		Pezicula trunk and branch cankers (<i>Pezicula subcarnea</i>)	D	1	[1]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1]
<i>Acer rubrum</i>	red maple	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35,43]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[42,44]
		Heart rot (<i>Inonotus glomeratus</i>)	D	1	[1,36,42]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[35,42,45]
<i>Acer saccharinum</i>	silver maple	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1]

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<i>Acer saccharum</i>	sugar maple	Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,35]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1,35]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[42,44]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1,36]
<i>Acer spicatum</i>	mountain maple	Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1,42]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	8	[34,35]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,46]
		Nectria canker (<i>Nectria</i> sp.)	D	1	[33]
		Powdery mildew (<i>Phyllactinia guttata</i>)	D	1	[33]
<i>Acoelorrhaphe wrightii</i>	Everglades palm	Verticillium wilt (<i>Verticillium dahliae</i>)	D	1	[33,47]
		Ganoderma butt rot (<i>Ganoderma zonatum</i>)	D	1	[36,48]
		Nematode (<i>Rotylenchulus reniformis</i>)	D	1	[49]
<i>Aesculus californica</i>	California buckeye	Stigmata leaf spot (<i>Stigmata palmivora</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[35,36,50]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[36]
<i>Aesculus flava</i>	yellow buckeye	Sudden oak death (<i>Phytophthora ramorum</i>)*	D	1	[36,51]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Heart rot (<i>Flammulina velutipes</i>)	D	1	[1]
		Oak bracket (<i>Inonotus dryadeus</i>)	D	1	[36]
		Powdery mildew (<i>Erysiphe flexuosa</i>)	D	1	[1]
		Root-knot nematode (<i>Meloidogyne</i> spp.)	D	1	[52]

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<i>Aesculus glabra</i>	Ohio buckeye	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[1,35]
		Guignardia blotch (<i>Guignardia aesculi</i>)	D	1	[1]
		Powdery mildew (<i>Erysiphe flexuosa</i>)	D	1	[1]
<i>Aesculus glabra</i> var. <i>arguta</i>	Texas buckeye	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34]
<i>Aesculus pavia</i>	red buckeye	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Guignardia blotch (<i>Guignardia aesculi</i>)	D	1	[36]
<i>Aesculus sylvatica</i>	painted buckeye	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Powdery mildew (<i>Erysiphe flexuosa</i>)	D	1	[53]
<i>Alnus incana</i> ssp. <i>tenuifolia</i>	thinleaf alder	Phytophthora disease of alders (<i>Phytophthora</i> sp.)	D	5	[54]
		Alder canker (<i>Valsa melanodiscus</i>)	D	3	[13,55]
		Green alder sawfly (<i>Monsoma pulveratum</i>)*	I/F	3	[56,57]
		Collar rot (<i>Phytophthora siskiyouensis</i>)	D	1	[36]
<i>Alnus maritima</i>	seaside alder	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[37]
<i>Alnus oblongifolia</i>	Arizona alder	none	.	.	.
<i>Alnus rhombifolia</i>	white alder	Phytophthora disease of alders (<i>Phytophthora</i> sp.)	D	5	[54]
		Alder canker (<i>Valsa melanodiscus</i>)	D	3	[13]
		Green alder sawfly (<i>Monsoma pulveratum</i>)*	I/F	3	[56,57]
		Collar rot (<i>Phytophthora siskiyouensis</i>)	D	1	[36]
<i>Alnus rubra</i>	red alder	Alder bark beetle (<i>Alniphagus aspericollis</i>)	I/B	5	[11]
		Phytophthora disease of alders (<i>Phytophthora</i> sp.)	D	5	[54]
		Alder canker (<i>Valsa melanodiscus</i>)	D	3	[58]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	3	[1,59]
<i>Amelanchier arborea</i>	common serviceberry	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[60]
		Blister canker (<i>Biscogniauxia marginata</i>)	D	1	[36]

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<i>Amelanchier sanguinea</i>	roundleaf serviceberry	Fire blight (<i>Erwinia amylovora</i>)	D	1	[61,62]		
		Witches'-broom (<i>Apiosporina collinsii</i>)	D	1	[36]		
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[60]		
		Blister canker (<i>Biscogniauxia marginata</i>)	D	1	[36]		
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[61,62]		
<i>Amyris elemifera</i>	sea torchwood	Witches'-broom (<i>Apiosporina collinsii</i>)	D	1	[36]		
		none	.	.	.		
<i>Annona glabra</i>	pond-apple	none	.	.	.		
<i>Arbutus arizonica</i>	Arizona madrone	Bark beetle (<i>Liparthrum arizonicum</i>)	I/B	1	[11]		
<i>Arbutus menziesii</i>	Pacific madrone	Crown canker and root rot (<i>Phytophthora cactorum</i>)	D	3	[1,63]		
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[1,63]		
		Madrone canker (<i>Neofusicoccum arbuti</i>)	D	3	[1,63,64]		
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	3	[34,65]		
		Arbutus canker (<i>Nattrassia mangiferae</i>)	D	1	[7,66]		
		<i>Arbutus xalapensis</i>	Texas madrone	Crown canker and root rot (<i>Phytophthora cactorum</i>)	D	3	[1,63]
				Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[1,63]
Madrone canker (<i>Neofusicoccum arbuti</i>)	D			3	[1,63,64]		
Arbutus canker (<i>Nattrassia mangiferae</i>)	D			1	[7,66]		
<i>Asimina triloba</i>	pawpaw	Sudden oak death (<i>Phytophthora ramorum</i>)*	D	1	[34,65]		
		Coral spot fungus (<i>Nectria cinnabarina</i>)	D	1	[13,36]		
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[67]		
<i>Avicennia germinans</i>	black-mangrove	Butt rot fungi (<i>Phellinus swieteniae</i>)	D	3	[68]		
<i>Betula alleghaniensis</i>	yellow birch	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]		
		Bronze birch borer (<i>Agrilus anxius</i>)	I/B	1	[1,69,70]		
		Eutypella canker (<i>Eutypella parasitica</i>)	D	1	[1,35,36]		

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<i>Betula lenta</i>	sweet birch	Nectria canker (<i>Nectria ditissima</i>)	D	1	[1,35]
		Sterile conk trunk rot (<i>Inonotus obliquus</i>)	D	1	[1,36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	1	[1,35]
<i>Betula nigra</i>	river birch	Nectria canker (<i>Nectria ditissima</i>)	D	1	[1,35]
		White spongy rot (<i>Phellinus igniarius</i>)	D	1	[1,35]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34,35]
		Birch leafminer (<i>Fenusa pusilla</i>)*	I/F	1	[34,35]
<i>Betula occidentalis</i>	water birch	Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[1]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[34,35]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Birch rust (<i>Melampsorium betulinum</i>)	D	1	[36]
		Bronze birch borer (<i>Agrilus anxius</i>)	I/B	1	[35,69]
<i>Betula papyrifera</i>	paper birch	Sterile conk trunk rot (<i>Inonotus obliquus</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Bronze birch borer (<i>Agrilus anxius</i>)	I/B	5	[1,35,36]
		Birch leafminer (<i>Fenusa pusilla</i>)*	I/F	3	[1,34]
<i>Betula populifolia</i>	gray birch	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[1,35]
		Tinder conk (<i>Fomes fomentarius</i>)	D	1	[71]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	5	[34,35]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34,35]
		Birch leafminer (<i>Fenusa pusilla</i>)*	I/F	1	[35,72]
		Bronze birch borer (<i>Agrilus anxius</i>)	I/B	1	[70,72]
		Sterile conk trunk rot (<i>Inonotus obliquus</i>)	D	1	[36]

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Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Betula uber</i>	Virginia roundleaf birch	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	1	[1,35]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34,73]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1,35]
		White spongy rot (<i>Phellinus igniarius</i>)	D	1	[1,35]
<i>Bursera simaruba</i>	gumbo limbo	Rugose spiraling whitefly (<i>Aleurodicus rugioeperculatus</i>)*	I/S	1	[74]
		Scale insect (<i>Phalacrocooccus howertoni</i>)	I/S	1	[74]
<i>Callitropsis nootkatensis</i>	Alaska yellow-cedar	Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	3	[13]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Valsa canker and dieback (<i>Valsa abietis</i>)	D	1	[36]
<i>Calocedrus decurrens</i>	incense-cedar	Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[1,7]
		Pocket dry rot (<i>Tyromyces amarus</i>)	D	3	[1,75]
		Broom rust (<i>Gymnosporangium libocedri</i>)	D	1	[1,7]
		Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	1	[11]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[1,76]
<i>Carnegiea gigantea</i>	saguaro	Bacterial necrosis (<i>Erwinia cacticida</i>)	D	1	[77,78]
		Cactus longhorn beetle (<i>Moneilema gigas</i>)	I/B	1	[78]
<i>Carpinus caroliniana</i>	musclewood	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[35,79]
		Hornbeam anthracnose (<i>Apiosporopsis carpineae</i>)	D	1	[36]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[35]
		White rot (<i>Bjerkandera adusta</i>)	D	1	[80]
<i>Carya aquatica</i>	water hickory	Butt rot (<i>Hericiium erinaceus</i>)	D	1	[36]
		Hickory borer (<i>Goes pulcher</i>)	I/B	1	[1]
<i>Carya caroliniae-septentrionalis</i>	southern shagbark hickory	Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
<i>Carya cordiformis</i>	bitternut hickory	Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Hickory borer (<i>Goes pulcher</i>)	I/B	1	[1]

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Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1]
		Spiculosa canker (<i>Phellinus spiculosus</i>)	D	1	[1]
		White spongy rot (<i>Phellinus igniarius</i>)	D	1	[1]
<i>Carya floridana</i>	scrub hickory	Wood decay (<i>Phellinus gilvus</i>)	D	1	[81]
<i>Carya glabra</i>	pignut hickory	Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1]
		Spiculosa canker (<i>Phellinus spiculosus</i>)	D	1	[1]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
<i>Carya illinoensis</i>	pecan	Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[44]
		Crown gall (<i>Agrobacterium tumefaciens</i>)	D	1	[1]
		Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Hickory borer (<i>Goes pulcher</i>)	I/B	1	[1]
		Spiculosa canker (<i>Phellinus spiculosus</i>)	D	1	[1,82]
<i>Carya laciniosa</i>	shellbark hickory	Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Hickory borer (<i>Goes pulcher</i>)	I/B	1	[1]
		Hickory spiral borer (<i>Agrilus arcuatus torquatus</i>)	I/B	1	[1]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
<i>Carya myristiciformis</i>	nutmeg hickory	Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
<i>Carya ovalis</i>	red hickory	Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1]
		Spiculosa canker (<i>Phellinus spiculosus</i>)	D	1	[1]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
<i>Carya ovata</i>	shagbark hickory	Crown gall (<i>Agrobacterium tumefaciens</i>)	D	1	[1]
		Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]

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		Spiculosa canker (<i>Phellinus spiculosus</i>)	D	1	[1]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
		Witches broom (<i>Phytoplasma</i>)	D	1	[1,36]
<i>Carya pallida</i>	sand hickory	Wood decay (<i>Phellinus gilvus</i>)	D	1	[81]
<i>Carya texana</i>	black hickory	Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[83]
<i>Carya tomentosa</i>	mockernut hickory	Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	I/B	1	[1]
		Hickory borer (<i>Goes pulcher</i>)	I/B	1	[1]
		Hickory spiral borer (<i>Agrilus arcuatus torquatus</i>)	I/B	1	[1]
		Pecan carpenterworm (<i>Cossula magnifica</i>)	I/B	1	[1]
		Spiculosa canker (<i>Phellinus spiculosus</i>)	D	1	[1]
<i>Castanea dentata</i>	American chestnut	Chestnut blight (<i>Cryphonectria parasitica</i>)*	D	10	[34,84]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	8	[84]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Asiatic oak weevil (<i>Cyrtopistomus castaneus</i>)*	I/F	1	[85]
		Oak bracket (<i>Inonotus dryadeus</i>)	D	1	[36]
<i>Castanea pumila</i>	Allegheny chinquapin	Chestnut blight (<i>Cryphonectria parasitica</i>)*	D	10	[86]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	5	[86]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Asiatic oak weevil (<i>Cyrtopistomus castaneus</i>)*	I/F	1	[86]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	1	[34]
<i>Castanea pumila</i> var. <i>ozarkensis</i>	Ozark chinquapin	Chestnut blight (<i>Cryphonectria parasitica</i>)*	D	10	[86]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	5	[86]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Asiatic oak weevil (<i>Cyrtopistomus castaneus</i>)*	I/F	1	[85,86]
		Chestnut gall wasp (<i>Dryocosmus kuriphilus</i>)*	I/F	1	[86]

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<i>Catalpa bignonioides</i>	southern catalpa	Verticillium wilt (<i>Verticillium dahliae</i>)	D	3	[87]
		Catalpa midge (<i>Cecidomyia catalpae</i>)	I/F	1	[87]
		Catalpa sphinx moth (<i>Ceratonia catalpae</i>)	I/F	1	[87]
		Decay (<i>Trametes versicolor</i>)	D	1	[87]
<i>Catalpa speciosa</i>	northern catalpa	Verticillium wilt (<i>Verticillium dahliae</i>)	D	3	[88]
		Catalpa midge (<i>Cecidomyia catalpae</i>)	I/F	1	[88]
		Catalpa sphinx moth (<i>Ceratonia catalpae</i>)	I/F	1	[88]
		Decay (<i>Trametes versicolor</i>)	D	1	[88]
<i>Celtis laevigata</i>	sugarberry	Basal canker and butt rot (<i>Kretzschmaria deusta</i>)	D	1	[36]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[1]
		Hackberry butterfly (<i>Asterocampa celtis</i>)	I/F	1	[1]
		Hackberry witches-broom complex (<i>Podospaera phytoptophila/Aceria celtis</i>)	D	1	[36]
<i>Celtis laevigata</i> var. <i>reticulata</i>	netleaf hackberry	Basal canker and butt rot (<i>Kretzschmaria deusta</i>)	D	1	[36]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[36]
<i>Celtis lindheimeri</i>	Lindheimer hackberry	Basal canker and butt rot (<i>Kretzschmaria deusta</i>)	D	1	[36]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[36]
<i>Celtis occidentalis</i>	hackberry	Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[44]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[1]
		Hackberry engraver (<i>Scolytus muticus</i>)	I/B	1	[1]
		Hackberry nipplegall maker (<i>Pachypsylla celtidismamma</i> *)	I/F	1	[1]
		Hackberry witches-broom complex (<i>Podospaera phytoptophila/Aceria celtis</i>)	D	1	[1,36]
<i>Cercis canadensis</i>	eastern redbud	Botryosphaeria canker (<i>Botryosphaeria ribis</i>)	D	1	[1]
		Coral spot fungus (<i>Nectria cinnabarina</i>)	D	1	[36]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1]

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<i>Cercocarpus ledifolius</i>	curleaf mountain-mahogany	Geometrid moth (<i>Stammodes animata</i>)*	I/F	3	[89]
		Mountain mahogany bark beetle (<i>Chaetophloeus heterodoxus</i>)	I/B	3	[13]
		Tent caterpillar (<i>Malacosoma</i> spp.)	I/F	3	[11,37]
		Mountain-mahogany looper (<i>Iridopsis clivinarina</i>)	I/F	1	[7]
		Wood-boring beetle (<i>Dicerca horni</i>)	I/B	1	[11]
<i>Chamaecyparis lawsoniana</i>	Port-Orford-cedar	Port-Orford-cedar root disease (<i>Phytophthora lateralis</i>)*	D	10	[1,90]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	5	[7,13]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	1	[36]
<i>Chamaecyparis thyoides</i>	Atlantic whitecedar	Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	I/F	1	[1]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[34]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Red-belted fungus (<i>Fomitopsis pinicola</i>)	D	1	[1]
		Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	D	1	[1]
<i>Chilopsis linearis</i>	desert-willow	none	.	.	.
<i>Chionanthus virginicus</i>	fringetree	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	3	[91,92]
<i>Chrysolepis chrysophylla</i>	golden chinquapin	Canker (<i>Phytophthora cambivora</i>)	D	5	[93]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Ganoderma rot of hardwoods (<i>Ganoderma lucidum</i>)	D	1	[35]
		White spongy rot (<i>Phellinus igniarius</i>)	D	1	[1]
<i>Citharexylum fruticosum</i>	Florida fiddlewood	Cardin's whitefly (<i>Metaleurodicus cardini</i>)*	I/S	1	[94]
		Fiddlewood leafroller (<i>Epicorsia oedipodalis</i>)	I/F	1	[95]
<i>Cladrastis kentukea</i>	yellowwood	Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	3	[96]
<i>Coccoloba diversifolia</i>	tietongue	Fiddlewood leafroller (<i>Epicorsia oedipodalis</i>)	I/F	1	[95]
		Ganoderma root and butt rot (<i>Ganoderma australe</i>)	D	1	[36]
<i>Coccothrinax argentata</i>	Florida silver palm	False smut of palms (<i>Graphiloa phoenicis</i>)	D	3	[36]

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		Ganoderma butt rot (<i>Ganoderma zonatum</i>)	D	1	[36]
<i>Colubrina elliptica</i>	soldierwood	none	.	.	.
<i>Condalia hookeri</i>	bluewood	none	.	.	.
<i>Conocarpus erectus</i>	button mangrove	Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	I/S	1	[97]
		Root rot (<i>Cylindrocladium scoparium</i>)	D	1	[36,98]
		Sri Lankan weevil (<i>Myllocerus undecimpustulatus undatus</i>)*	I/F	1	[99]
<i>Cordia boissieri</i>	anacahuita	none	.	.	.
<i>Cordia sebestena</i>	longleaf geigertree	Geiger tortoise beetle (<i>Eurypepla calochroma</i>)	I/F	1	[100,101]
		Tar spot (<i>Diatractium cordianum</i>)	D	1	[102]
<i>Cornus drummondii</i>	roughleaf dogwood	Dogwood anthracnose (<i>Discula destructiva</i>)*	D	5	[34]
<i>Cornus florida</i>	flowering dogwood	Dogwood anthracnose (<i>Discula destructiva</i>)*	D	5	[34,36]
		Dogwood borer (<i>Synanthedon scitula</i>)	I/B	3	[1,103]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[44]
		Crown canker and root rot (<i>Phytophthora cactorum</i>)	D	1	[1,36]
		Dogwood clubgall midge (<i>Resseliella clavula</i>)	I/F	1	[1]
<i>Cornus nuttallii</i>	Pacific dogwood	Dogwood anthracnose (<i>Discula destructiva</i>)*	D	8	[34,36]
		Crown canker and root rot (<i>Phytophthora cactorum</i>)	D	1	[36]
		Madrone thrips (<i>Thrips madronii</i>)	I/F	1	[13]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[13,35]
<i>Cotinus obovatus</i>	smoketree	Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[13,104]
<i>Crataegus brainerdii</i>	Brainerd's hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[106]
		Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	D	1	[106]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[106]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]

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<i>Crataegus calpodendron</i>	pear hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[107]
		Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	D	1	[107]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[107]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Crataegus chrysoarpa</i>	fireberry hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[107]
		Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	D	1	[107]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[107]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Crataegus crus-galli</i>	cockspur hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34,108]
		Hawthorn rust (<i>Gymnosporangium globosum</i>)	D	1	[109]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Crataegus dilatata</i>	broadleaf hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[110]
		Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	D	1	[110]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[110]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Crataegus flabellata</i>	fanleaf hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[111]
		Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	D	1	[111]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[111]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Crataegus mollis</i>	downy hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]

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		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34,108]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Crataegus pedicellata</i>	scarlet hawthorn	Cherry bark tortrix (<i>Enarmonia formosana</i>)*	I/B	3	[34,105]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[107]
		Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	D	1	[107]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[107]
		Winter moth (<i>Operophtera brumata</i>)*	I/F	1	[34]
<i>Diospyros texana</i>	Texas persimmon	Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	3	[36]
<i>Diospyros virginiana</i>	common persimmon	Persimmon wilt (<i>Acremonium diospyri</i>)	D	5	[1,36]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	3	[36]
<i>Ebenopsis ebano</i>	blackbead ebony	none	.	.	.
<i>Ehretia anacua</i>	Anacua knockaway	none	.	.	.
<i>Eugenia rhombea</i>	red stopper	none	.	.	.
<i>Exothea paniculata</i>	butterbough	none	.	.	.
<i>Fagus grandifolia</i>	American beech	Beech bark disease (<i>Neonectria</i> spp./ <i>Cryptococcus fagisuga</i>)*	C	8	[1,36,112,113]
		White spongy rot (<i>Phellinus igniarius</i>)	D	3	[1,36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[1,36]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[1]
<i>Ficus aurea</i>	Florida strangler fig	Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	I/S	8	[97]
		Scale insect (<i>Phalacrocooccus howertoni</i>)	I/S	3	[114]
		Edwards wasp moth (<i>Lymire edwardsii</i>)	I/F	1	[115]
		Ficus whitefly (<i>Singhiella simplex</i>)*	I/S	1	[116]
<i>Ficus citrifolia</i>	wild banyantree	Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	I/S	8	[97]
		Scale insect (<i>Phalacrocooccus howertoni</i>)	I/S	3	[114]

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<i>Frangula purshiana</i>	cascara buckthorn	Edwards wasp moth (<i>Lymire edwardsii</i>)	I/F	1	[115]
		Ficus whitefly (<i>Singhiella simplex</i>)*	I/S	1	[116]
		Hispidus canker (<i>Inonotus hispidus</i>)	D	1	[36]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	1	[117]
<i>Fraxinus americana</i>	white ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	10	[34,35,118]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36,119]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[1]
<i>Fraxinus berlandieriana</i>	Berlandier ash	Verticillium wilt (<i>Verticillium</i> spp.)	D	1	[35,120,121]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	9	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
<i>Fraxinus caroliniana</i>	Carolina ash	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	10	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[13]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
<i>Fraxinus cuspidata</i>	fragrant ash	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	9	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[13]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
<i>Fraxinus dipetala</i>	two-petal ash	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	8	[34,35,118]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[13]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
<i>Fraxinus dipetala</i>	two-petal ash	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]

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<i>Fraxinus greggii</i>	Gregg ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	9	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[13]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
<i>Fraxinus latifolia</i>	Oregon ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	8	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Verticillium wilt (<i>Verticillium</i> spp.)	D	1	[13]
<i>Fraxinus nigra</i>	black ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	10	[34,35,118]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[119]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1]
<i>Fraxinus papillosa</i>	Chihuahua ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	9	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[13]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
<i>Fraxinus pennsylvanica</i>	green ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	10	[34,35,118]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Verticillium wilt (<i>Verticillium dahliae</i>)	D	1	[36,122]
<i>Fraxinus profunda</i>	pumpkin ash	Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	10	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36]

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<i>Fraxinus quadrangulata</i>	blue ash	Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	8	[34,35,118]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36,119]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
<i>Fraxinus texensis</i>	Texas ash	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Verticillium wilt (<i>Verticillium</i> spp.)	D	1	[121]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	9	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
<i>Fraxinus velutina</i>	velvet ash	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Emerald ash borer (<i>Agrilus planipennis</i>)*	I/B	9	[34,35]
		Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	D	5	[36,123]
<i>Gleditsia aquatica</i>	waterlocust	Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	3	[34,35]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[37]
		Calico scale (<i>Eulecanium cerasorum</i>)*	I/S	1	[34]
		Mimosa webworm (<i>Homadula anisocentra</i>)*	I/F	1	[1]
		Thyronectria canker (<i>Pleonectria austroamericana</i>)	D	1	[1,35,36]
<i>Gleditsia triacanthos</i>	honeylocust	Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[1,36]
		Honeylocust agrilus (<i>Agrilus difficilis</i>)	I/B	3	[1]
		Calico scale (<i>Eulecanium cerasorum</i>)*	I/S	1	[34]
		Thyronectria canker (<i>Pleonectria austroamericana</i>)	D	1	[1,35,36]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[1,36]

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<i>Gordonia lasianthus</i>	loblolly bay	none	.	.	.
<i>Guapira discolor</i>	beefree	none	.	.	.
<i>Gymnocladus dioicus</i>	Kentucky coffeetree	Verticillium wilt (<i>Verticillium</i> spp.)	D	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Halesia carolina</i>	Carolina silverbell	none	.	.	.
<i>Halesia diptera</i>	two-wing silverbell	none	.	.	.
<i>Halesia parviflora</i>	little silverbell	none	.	.	.
<i>Helietta parvifolia</i>	barreta	none	.	.	.
<i>Hesperocyparis abramsiana</i>	Santa Cruz cypress	Seiridium canker (<i>Seiridium cardinale</i>)	D	1	[13]
<i>Hesperocyparis arizonica</i>	Arizona cypress	Cercospora blight (<i>Asperisporium sequoiae</i>)	D	5	[36,124,125]
		Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	3	[11]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	3	[36]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Rust (<i>Gymnosporangium cunninghamianum</i>)	D	1	[36]
<i>Hesperocyparis bakeri</i>	Baker cypress	Seiridium canker (<i>Seiridium cardinale</i>)	D	3	[36]
		Mistletoe (<i>Phoradendron bolleanum</i>)	P	1	[126]
		Rust (<i>Gymnosporangium cunninghamianum</i>)	D	1	[36]
<i>Hesperocyparis forbesii</i>	Tecate cypress	Cercospora blight (<i>Asperisporium sequoiae</i>)	D	5	[36,124]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	3	[36]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Rust (<i>Gymnosporangium cunninghamianum</i>)	D	1	[36]
<i>Hesperocyparis goveniana</i>	Gowen cypress	Seiridium canker (<i>Seiridium cardinale</i>)	D	3	[36]
		Mistletoe (<i>Phoradendron bolleanum</i>)	P	1	[126]
<i>Hesperocyparis macnabiana</i>	Macnab's cypress	Mistletoe (<i>Phoradendron bolleanum</i>)	P	1	[126]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	1	[36]

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<i>Hesperocyparis macrocarpa</i>	Monterey cypress	Cercospora blight (<i>Asperisporium sequoiae</i>)	D	5	[36,124]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	5	[36]
<i>Hesperocyparis nevadensis</i>	Paiute cypress	Seiridium canker (<i>Seiridium cardinale</i>)	D	3	[36]
		Mistletoe (<i>Phoradendron bolleanum</i>)	P	1	[36]
<i>Hesperocyparis sargentii</i>	Sargent's cypress	Mistletoe (<i>Phoradendron bolleanum</i>)	P	1	[126]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	1	[7]
<i>Hesperocyparis stephensonii</i>	Cuyamaca cypress	Seiridium canker (<i>Seiridium cardinale</i>)	D	3	[36]
		Mistletoe (<i>Phoradendron bolleanum</i>)	P	1	[36]
<i>Hippomane mancinella</i>	manchineel	none	.	.	.
<i>Ilex cassine</i>	dahoon	Florida wax scale (<i>Ceroplastes floridensis</i>)	I/S	3	[127]
<i>Ilex montana</i>	mountain winterberry	none	.	.	.
<i>Ilex myrtifolia</i>	myrtle dahoon	none	.	.	.
<i>Ilex opaca</i>	American holly	Florida wax scale (<i>Ceroplastes floridensis</i>)	I/S	3	[127]
		Black root rot (<i>Thielaviopsis basicola</i>)	D	1	[36]
<i>Juglans californica</i>	southern California black walnut	Thousand cankers disease (<i>Geosmithia morbida/Pityophthorus juglandis</i>)	D	3	[128,129]
<i>Juglans cinerea</i>	butternut	Butternut canker (<i>Sirococcus clavignenti-juglandacearum</i>)*	D	10	[1,34]
		Thousand cankers disease (<i>Geosmithia morbida/Pityophthorus juglandis</i>)	D	5	[128,129]
		Bunch disease (Phytoplasma strains in subgroup of Prunus X-disease group)	D	1	[1,36]
<i>Juglans hindsii</i>	northern California black walnut	Blackline (Cherry leafroll virus)	D	5	[36]
		Thousand cankers disease (<i>Geosmithia morbida/Pityophthorus juglandis</i>)	D	3	[128,129]
<i>Juglans hindsii</i>	northern California black walnut	Sooty canker (<i>Fusicoccum mangiferum</i>)	D	1	[36]
<i>Juglans major</i>	Arizona walnut	Thousand cankers disease (<i>Geosmithia morbida/Pityophthorus juglandis</i>)	D	1	[128-130]
		White rot (<i>Phellinus weirianus</i>)	D	1	[36]
<i>Juglans microcarpa</i>	Texas walnut	Bunch disease (Phytoplasma strains in subgroup of Prunus X-disease group)	D	3	[36]

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<i>Juglans nigra</i>	black walnut	Thousand cankers disease (<i>Geosmithia morbida</i> / <i>Pityophthorus juglandis</i>)	D	3	[128-130]
		Thousand cankers disease (<i>Geosmithia morbida</i> / <i>Pityophthorus juglandis</i>)	D	5	[128,129]
		Nectria canker (<i>Nectria ditissima</i>)	D	3	[1]
		Black stem borer (<i>Xylosandrus germanus</i>)*	I/B	1	[1]
		Flatheaded apple tree borer (<i>Chrysobothris femorata</i>)	I/B	1	[1]
<i>Juniperus ashei</i>	Ashe juniper	Walnut caterpillar (<i>Datana integerrima</i>)	I/F	1	[1,131]
		Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	I/F	1	[35,132,133]
<i>Juniperus californica</i>	California juniper	Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
<i>Juniperus coahuilensis</i>	redberry juniper	Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
<i>Juniperus deppeana</i>	alligator juniper	Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
<i>Juniperus flaccida</i>	drooping juniper	Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	I/F	1	[35,132]
<i>Juniperus monosperma</i>	oneseed juniper	Juniper mistletoe (<i>Phoradendron juniperinum</i>)	P	1	[7]
		Black-horned juniper borer (<i>Callidium texanum</i>)	I/B	1	[12]
		Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	1	[11,134]
		Juniper borer (<i>Atimia huachucae</i>)	I/B	1	[12]
		Juniper mistletoe (<i>Phoradendron juniperinum</i>)	P	1	[36]
<i>Juniperus occidentalis</i>	western juniper	Juniper twig pruner (<i>Styloxus bicolor</i>)	I/B	1	[12]
		Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	3	[11]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[135]
		Juniper mistletoe (<i>Phoradendron juniperinum</i>)	P	1	[36]
		Juniper pocket rot (<i>Pyrofomes demidoffii</i>)	D	1	[1]
<i>Juniperus osteosperma</i>	Utah juniper	Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	1	[11]
		Juniper mistletoe (<i>Phoradendron juniperinum</i>)	P	1	[36]

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		Juniper pocket rot (<i>Pyrofomes demidoffii</i>)	D	1	[136,137]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[1]
<i>Juniperus pinchotii</i>	Pinchot juniper	Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
<i>Juniperus scopulorum</i>	Rocky Mountain juniper	Cedar bark beetle (<i>Phloeosinus</i> spp.)	I/B	3	[11]
		Cercospora blight of juniper (<i>Pseudocercospora juniperi</i>)	D	3	[36,124]
		Juniper mistletoe (<i>Phoradendron juniperinum</i>)	P	1	[36]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[34]
		Rust (<i>Gymnosporangium</i> spp.)	D	1	[1]
<i>Juniperus virginiana</i>	eastern redcedar	Cercospora blight of juniper (<i>Pseudocercospora juniperi</i>)	D	3	[36,124]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[1]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	3	[34]
		Eastern juniper bark beetle (<i>Phloeosinus dentatus</i>)	I/B	1	[1]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[1]
<i>Juniperus virginiana</i> var. <i>silicicola</i>	southern redcedar	Cercospora blight of juniper (<i>Pseudocercospora juniperi</i>)	D	3	[36,124]
		Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[1]
		Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	3	[34]
		Eastern juniper bark beetle (<i>Phloeosinus dentatus</i>)	I/B	1	[1]
		Juniper scale (<i>Carulaspis juniperi</i>)*	I/S	1	[1]
<i>Laguncularia racemosa</i>	white-mangrove	none	.	.	.
<i>Larix laricina</i>	tamarack	Larch casebearer (<i>Coleophora laricella</i>)*	I/F	5	[1]
		Larch sawfly (<i>Pristiphora erichsonii</i>)	I/F	5	[1]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Spruce budworm (<i>Choristoneura fumiferana</i>)	I/F	3	[1]
		European larch canker (<i>Lachnellula willkommii</i>)*	D	1	[36]
<i>Larix lyallii</i>	subalpine larch	Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	D	3	[36]

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<i>Larix occidentalis</i>	western larch	Brown trunk rot (<i>Fomitopsis officinalis</i>)	D	1	[1]
		Larch needle blight (<i>Hypodermella laricis</i>)	D	1	[7]
		Larch sawfly (<i>Pristiphora erichsonii</i>)	I/F	1	[34]
		Larch dwarf mistletoe (<i>Arceuthobium laricis</i>)	P	5	[36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[36,138]
		Larch casebearer (<i>Coleophora laricella</i>)*	I/F	3	[1]
		Larch sawfly (<i>Pristiphora erichsonii</i>)	I/F	3	[1]
<i>Leucaena pulverulenta</i>	great leadtree	none	.	.	.
<i>Liquidambar styraciflua</i>	sweetgum	Botryosphaeria canker (<i>Botryosphaeria ribis</i>)	D	1	[13,36]
		Calico scale (<i>Eulecanium cerasorum</i>)*	I/S	1	[34]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[1,35,139,140]
		Ganoderma rot of hardwoods (<i>Ganoderma lucidum</i>)	D	1	[1]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	1	[34]
<i>Liriodendron tulipifera</i>	yellow-poplar	Stem canker (<i>Fusarium solani</i>)	D	1	[1]
		Tuliptree scale (<i>Toumeyella liriodendri</i>)	I/S	1	[1]
		Verticillium wilt (<i>Verticillium</i> spp.)	D	1	[36]
		Yellow poplar weevil (<i>Odontopus calceatus</i>)	I/F	1	[1]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	10	[36]
<i>Lithocarpus densiflorus</i>	tanoak	California oakworm (<i>Phryganidia californica</i>)	I/F	1	[1]
		Canker-rot (<i>Inonotus</i> spp.)	D	1	[1]
		none	.	.	.
<i>Lyonothamnus floribundus</i>	Catalina ironwood	none	.	.	.
<i>Lysiloma latisiliquum</i>	false tamarind	Ganoderma rot of hardwoods (<i>Ganoderma lucidum</i>)	D	1	[36]
		Lac scale (<i>Tachardiella mexicana</i>)	I/S	1	[141]
		Nectriella gall (<i>Nectriella pironii</i>)	D	1	[36]
<i>Lysiloma watsonii</i>	littleleaf lysiloma	none	.	.	.

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Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Maclura pomifera</i>	Osage-orange	Cotton root rot (<i>Phymatotrichopsis omnivora</i>)	D	1	[1]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[1]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[1]
<i>Magnolia acuminata</i>	cucumbertree	Magnolia scale (<i>Neolecanium cornuparvum</i>)	I/S	1	[1]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[1]
<i>Magnolia ashei</i>	Ashe's magnolia	none	.	.	.
<i>Magnolia fraseri</i>	mountain magnolia	Magnolia scale (<i>Neolecanium cornuparvum</i>)	I/S	1	[1]
		Nectria canker (<i>Nectria magnoliae</i>)	D	1	[1]
<i>Magnolia grandiflora</i>	Southern magnolia	Magnolia scale (<i>Neolecanium cornuparvum</i>)	I/S	1	[1]
		Tuliptree scale (<i>Toumeyella liriodendri</i>)	I/S	1	[1]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[142]
<i>Magnolia macrophylla</i>	bigleaf magnolia	none	.	.	.
<i>Magnolia pyramidata</i>	pyramid magnolia	none	.	.	.
<i>Magnolia tripetala</i>	umbrella magnolia	none	.	.	.
<i>Magnolia virginiana</i>	sweetbay	none	.	.	.
<i>Malus angustifolia</i>	southern crabapple	Apple scab (<i>Venturia inaequalis</i>)	D	1	[36]
		Fire blight (<i>Erwinia amylovora</i>)	D	1	[143]
<i>Malus coronaria</i>	sweet crabapple	Apple scab (<i>Venturia inaequalis</i>)	D	1	[36]
		Blister canker (<i>Biscogniauxia marginata</i>)	D	1	[36]
<i>Malus fusca</i>	Oregon crab apple	Apple mosaic virus (ApMV)	D	1	[36]
		Apple scab (<i>Venturia inaequalis</i>)	D	1	[36]
<i>Malus ioensis</i>	prairie crabapple	Apple mosaic virus (ApMV)	D	1	[36]
		Apple scab (<i>Venturia inaequalis</i>)	D	1	[36]
<i>Metopium toxiferum</i>	Florida poison tree	none	.	.	.
<i>Morus microphylla</i>	Texas mulberry	Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]

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<i>Morus rubra</i>	red mulberry	Pink hibiscus mealybug (<i>Maconellicoccus hirsutus</i>)*	I/S	1	[34]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]
<i>Nyssa aquatica</i>	water tupelo	Pink hibiscus mealybug (<i>Maconellicoccus hirsutus</i>)*	I/S	1	[34]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[1]
<i>Nyssa biflora</i>	swamp tupelo	Stem canker (<i>Fusarium solani</i>)	D	1	[36]
		Tupelo leafminer (<i>Antispila nysaefoliella</i>)	I/F	1	[1]
<i>Nyssa ogeche</i>	Ogeechee tupelo	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[144]
		Stem canker (<i>Fusarium solani</i>)	D	1	[144]
<i>Nyssa sylvatica</i>	blackgum	Tupelo leafminer (<i>Antispila nysaefoliella</i>)	I/F	1	[1]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[35]
<i>Oliveya tesota</i>	desert ironwood	Stem canker (<i>Fusarium solani</i>)	D	1	[13,35]
		Tupelo leafminer (<i>Antispila nysaefoliella</i>)	I/F	1	[1]
<i>Osmanthus americanus</i>	devilwood	Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[1]
		Stem canker (<i>Fusarium solani</i>)	D	1	[1]
<i>Ostrya chisosensis</i>	Chisos hophornbeam	Tupelo leafminer (<i>Antispila nysaefoliella</i>)	I/F	1	[1]
<i>Ostrya knowltonii</i>	Knowlton's hophornbeam	Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
<i>Ostrya virginiana</i>	eastern hophornbeam	none	.	.	.
<i>Oxydendrum arboreum</i>	sourwood	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Black twig borer (<i>Xylosandrus compactus</i>)*	I/B	1	[145]
		Dogwood twig borer (<i>Oberea tripunctata</i>)	I/B	1	[1]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[36]
		Rhododendron stem borer (<i>Oberea myops</i>)	I/B	1	[146]
		Twig girdler (<i>Oncideres cingulata</i>)	I/B	1	[1]

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<i>Parkinsonia aculeata</i>	Jerusalem-thorn	Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Parkinsonia florida</i>	blue paloverde	Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
		Palo verde root borers (<i>Derobrachus geminatus</i>)	I/B	1	[147,148]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Parkinsonia texana</i> var. <i>macra</i>	border paloverde	Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Persea borbonia</i>	redbay	Laurel wilt (<i>Raffaelea lauricola</i>)/redbay ambrosia beetle (<i>Xyleborus glabratus</i>)*	C	10	[34,149]
		Black twig borer (<i>Xylosandrus compactus</i>)*	I/B	1	[145]
		Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	I/S	1	[97]
<i>Picea breweriana</i>	Brewer spruce	Spruce beetle (<i>Dendroctonus rufipennis</i>)	I/B	5	[37]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[1]
		White pine weevil (<i>Pissodes strobi</i>)	I/B	3	[37]
		Dwarf mistletoe (<i>Arceuthobium</i> spp.)	P	1	[1,36]
<i>Picea engelmannii</i>	Engelmann spruce	Spruce beetle (<i>Dendroctonus rufipennis</i>)	I/B	8	[1,37]
		Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	5	[1]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[35,150]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	3	[12]
		Western spruce dwarf mistletoe (<i>Arceuthobium microcarpum</i>)	P	3	[1]
<i>Picea glauca</i>	white spruce	Spruce beetle (<i>Dendroctonus rufipennis</i>)	I/B	5	[37]
		Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	5	[37]
		Eastern dwarf mistletoe (<i>Arceuthobium pusillum</i>)	P	3	[1]
		White pine weevil (<i>Pissodes strobi</i>)	I/B	3	[37]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	1	[36]
<i>Picea mariana</i>	black spruce	Spruce beetle (<i>Dendroctonus rufipennis</i>)	I/B	5	[1]

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<i>Picea pungens</i>	blue spruce	Spruce budworm (<i>Choristoneura fumiferana</i>)	I/F	5	[37]
		Eastern dwarf mistletoe (<i>Arceuthobium pusillum</i>)	P	3	[1,36]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	1	[36]
		Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	5	[1,37]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	3	[36]
		Blue spruce engraver (<i>Ips hunteri</i>)	I/B	1	[37]
		Cytospora canker of spruce (<i>Cytospora kunzei</i>)	D	1	[13,36]
<i>Picea rubens</i>	red spruce	Western spruce dwarf mistletoe (<i>Arceuthobium microcarpum</i>)	P	1	[1]
		Spruce budworm (<i>Choristoneura fumiferana</i>)	I/F	5	[1]
		Eastern dwarf mistletoe (<i>Arceuthobium pusillum</i>)	P	3	[36]
<i>Picea sitchensis</i>	Sitka spruce	Spruce beetle (<i>Dendroctonus rufipennis</i>)	I/B	3	[37]
		Red-belted fungus (<i>Fomitopsis pinicola</i>)	D	1	[36]
		Spruce beetle (<i>Dendroctonus rufipennis</i>)	I/B	5	[1]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[36]
		Laminated root rot (<i>Phellinus weirii</i>)	D	3	[36]
<i>Pinus albicaulis</i>	whitebark pine	White pine weevil (<i>Pissodes strobi</i>)	I/B	3	[1]
		Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	D	1	[36]
		Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[1,37]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[1,36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[13,35,36]
		Limber pine dwarf mistletoe (<i>Arceuthobium cyanocarpum</i>)	P	3	[1,36]
<i>Pinus aristata</i>	Rocky Mountain bristlecone pine	Foliage diseases (<i>Bifusella</i> spp.)	D	1	[151]
		Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[152]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	5	[7,36]
		Limber pine dwarf mistletoe (<i>Arceuthobium cyanocarpum</i>)	P	3	[36]

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<i>Pinus arizonica</i>	Arizona pine	Pine engraver beetles (<i>Ips</i> spp.)	I/B	3	[35,37]
		Twig beetle (<i>Pityophthorus boycei</i>)	I/B	1	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[13,35,36]
		Dwarf mistletoe (<i>Arceuthobium</i> spp.)	P	3	[36]
		Limb rust (<i>Cronartium arizonicum</i>)	D	3	[36]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	3	[35,36]
<i>Pinus attenuata</i>	Knobcone pine	Gall rust (<i>Cronartium quercuum</i>)	D	1	[36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	5	[37,153]
		Dwarf mistletoe (<i>Arceuthobium</i> spp.)	P	3	[36]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	3	[36]
		Elytroderma needle cast (<i>Elytroderma deformans</i>)	D	1	[36]
<i>Pinus balfouriana</i>	foxtail pine	Western gall rust (<i>Endocronartium harknessii</i>)	D	1	[36]
		Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[7]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[7,36]
<i>Pinus banksiana</i>	jack pine	Limber pine dwarf mistletoe (<i>Arceuthobium cyanocarpum</i>)	P	3	[7,36]
		Jack pine budworm (<i>Choristoneura pinus</i>)	I/F	5	[7,37]
		Lodgepole pine dwarf mistletoe (<i>Arceuthobium americanum</i>)	P	3	[36]
		North American pine engraver (<i>Ips pini</i>)	I/B	3	[35,37]
<i>Pinus cembroides</i>	Mexican pinyon pine	White pine weevil (<i>Pissodes strobi</i>)	I/B	3	[37]
		Comandra blister rust (<i>Cronartium comandrae</i>)	D	1	[36]
		Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[7,36]
		Pinyon blister rust (<i>Cronartium occidentale</i>)	D	1	[7,36]
		Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	I/S	1	[37]
<i>Pinus clausa</i>	sand pine	Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[154]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1,36]

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<i>Pinus contorta</i>	lodgepole pine	Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[1,37,155]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	1	[36]
		Virginia pine sawfly (<i>Neodiprion pratti</i>)	I/F	1	[1]
		Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[1,37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[1]
		Comandra blister rust (<i>Cronartium comandrae</i>)	D	3	[1,36]
		Lodgepole pine dwarf mistletoe (<i>Arceuthobium americanum</i>)	P	3	[1,36]
<i>Pinus coulteri</i>	Coulter pine	Pine engraver beetles (<i>Ips</i> spp.)	I/B	3	[1,156]
		Western pine beetle (<i>Dendroctonus brevicomis</i>)	I/B	8	[37]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	5	[37,153]
		Dwarf mistletoe (<i>Arceuthobium</i> spp.)	P	3	[36]
		Elytroderma needle cast (<i>Elytroderma deformans</i>)	D	1	[36]
<i>Pinus discolor</i>	border pinyon	Pitch canker (<i>Fusarium circinatum</i>)*	D	1	[34]
		Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[36]
		Pinyon blister rust (<i>Cronartium occidentale</i>)	D	1	[36]
		Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	I/S	1	[37]
<i>Pinus echinata</i>	shortleaf pine	Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	D	5	[1,36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	5	[154]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[1,37,155]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	1	[36]
		Redheaded pine sawfly (<i>Neodiprion lecontei</i>)	I/F	1	[1]
<i>Pinus edulis</i>	common pinyon	Pinyon ips (<i>Ips confusus</i>)	I/B	8	[12,153]
		Pinyon blister rust (<i>Cronartium occidentale</i>)	D	3	[1,36]
		Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[36]
		Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	I/S	1	[1,37]
		Pinyon sawfly (<i>Neodiprion edulicolus</i>)	I/F	1	[1,37]

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<i>Pinus elliotii</i>	slash pine	Fusiform rust (<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>)	D	3	[1,36]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[1,36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[1,37,155]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	1	[36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	1	[154]
<i>Pinus engelmannii</i>	Apache pine	Dwarf mistletoe (<i>Arceuthobium</i> spp.)	P	3	[36]
		Limb rust (<i>Cronartium</i> sp.)	D	3	[36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[37]
<i>Pinus flexilis</i>	limber pine	Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[1,37]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[1,36]
		Limber pine dwarf mistletoe (<i>Arceuthobium cyanocarpum</i>)	P	3	[1,36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	3	[35,37]
		Twig beetles (<i>Pityophthorus</i> spp.)	I/B	1	[37]
<i>Pinus glabra</i>	spruce pine	Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[154]
		Ganoderma root and butt rot (<i>Ganoderma meredithae</i>)	D	1	[36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[37,155]
<i>Pinus jeffreyi</i>	Jeffrey pine	Jeffrey pine beetle (<i>Dendroctonus jeffreyi</i>)	I/B	5	[1,37]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	5	[1,37]
		Black-stain root disease (<i>Leptographium wageneri</i>)	D	3	[36]
		Elytroderma needle cast (<i>Elytroderma deformans</i>)	D	3	[1]
		Western dwarf mistletoe (<i>Arceuthobium campylopodum</i>)	P	3	[1,36]
<i>Pinus lambertiana</i>	sugar pine	Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[1,37]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[1,36]
		Dwarf mistletoe (<i>Arceuthobium californicum</i>)	P	3	[1]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[1]

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<i>Pinus leiophylla</i>	Chihuahuan pine	White pine needle cast (<i>Lophodermella arcuata</i>)	D	1	[1,36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[13,35,36]
		Dwarf mistletoe (<i>Arceuthobium gillii</i>)	P	3	[36]
		Red root and butt rot (<i>Onnia tomentosa</i>)	D	3	[35,36]
<i>Pinus longaeva</i>	Great Basin bristlecone pine	Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[37]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[34]
		Western dwarf mistletoe (<i>Arceuthobium campylopodum</i>)	P	3	[7]
		Brown spot needle blight (<i>Mycosphaerella dearnessii</i>)	D	1	[36]
<i>Pinus monophylla</i>	singleleaf pinyon	Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	1	[7]
		Pinyon ips (<i>Ips confusus</i>)	I/B	8	[1,37,153]
		Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[1]
		Pinyon blister rust (<i>Cronartium occidentale</i>)	D	1	[1]
		Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	I/S	1	[1]
		Pinyon sawfly (<i>Neodiprion edulicolus</i>)	I/F	1	[1]
<i>Pinus monophylla</i> var. <i>fallax</i>	Arizona pinyon pine	Pinyon ips (<i>Ips confusus</i>)	I/B	8	[1,37,153]
		Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[1]
		Pinyon blister rust (<i>Cronartium occidentale</i>)	D	1	[1]
		Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	I/S	1	[1]
		Pinyon sawfly (<i>Neodiprion edulicolus</i>)	I/F	1	[1]
		Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[1,37]
<i>Pinus monticola</i>	western white pine	White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[1,36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[1,36]
		Dwarf mistletoe (<i>Arceuthobium monticola</i>)	P	3	[36]
		Red ring rot (<i>Phellinus pini</i>)	D	1	[1,36]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	5	[34,36]
<i>Pinus muricata</i>	bishop pine				

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<i>Pinus palustris</i>	longleaf pine	Coastal dwarf mistletoe (<i>Arceuthobium littorum</i>)	P	3	[36]
		Monterey pine weevil (<i>Pissodes radiatae</i>)*	I/B	1	[37]
		Fusiform rust (<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>)	D	3	[1,36]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[1]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[1,37,155]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	1	[36]
<i>Pinus ponderosa</i>	ponderosa pine	Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	1	[1]
		Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	8	[37]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	8	[1,37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	5	[1,36]
		Dwarf mistletoe (<i>Arceuthobium</i> spp.)	P	3	[1,36]
		Comandra blister rust (<i>Cronartium comandrae</i>)	D	1	[36]
<i>Pinus ponderosa</i> var. <i>washoensis</i>	Washoe pine	Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	I/B	5	[37]
		Western dwarf mistletoe (<i>Arceuthobium campylopodum</i>)	P	3	[1,36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1,36]
		Comandra blister rust (<i>Cronartium comandrae</i>)	D	1	[35,36]
		Elytroderma needle cast (<i>Elytroderma deformans</i>)	D	1	[1,36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[1]
<i>Pinus pungens</i>	Table Mountain pine	Comandra blister rust (<i>Cronartium comandrae</i>)	D	1	[1]
		European pine sawfly (<i>Neodiprion sertifer</i>)*	I/F	1	[1]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[37,152]
		Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	D	1	[1]
		Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[7,36]
		Pinyon ips (<i>Ips confusus</i>)	I/B	3	[37,153]
<i>Pinus quadrifolia</i>	four-leaf pine	Pinon twig beetle (<i>Pityophthorus punctifrons</i>)	I/B	1	[37]

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<i>Pinus radiata</i>	Monterey pine	Pine engraver beetles (<i>Ips</i> spp.)	I/B	5	[1,37]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	5	[34,36]
		Western gall rust (<i>Endocronartium harknessii</i>)	D	3	[1,36]
		Monterey pine weevil (<i>Pissodes radiatae</i>)*	I/B	1	[1]
<i>Pinus remota</i>	papershell pinyon pine	Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	P	3	[1,36]
		Pinyon blister rust (<i>Cronartium occidentale</i>)	D	1	[1,36]
		Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	I/S	1	[37]
<i>Pinus resinosa</i>	red pine	Red pine scale (<i>Matsucoccus resinosa</i>)*	I/S	3	[1,37]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[1,36]
		Sawfly (<i>Neodiprion</i> spp.)	I/F	1	[1,37]
		Scleroderris canker (<i>Gremmeniella abietina</i>)*	D	1	[1,36]
		White pine weevil (<i>Pissodes strobi</i>)	I/B	1	[37]
<i>Pinus rigida</i>	pitch pine	Gall rust (<i>Cronartium quercuum</i>)	D	3	[36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[1,37]
		Fusiform rust (<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>)	D	1	[1,36]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[1]
		Sawfly (<i>Neodiprion</i> spp.)	I/F	1	[37]
<i>Pinus sabiniana</i>	gray pine	Bark beetle (<i>Orthotomicus spinifer</i>)	I/B	3	[1]
		Dwarf mistletoe (<i>Arceuthobium occidentale</i>)	P	3	[1,36]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	1	[36,157]
		Western gall rust (<i>Endocronartium harknessii</i>)	D	1	[1]
<i>Pinus serotina</i>	pond pine	Gall rust (<i>Cronartium quercuum</i>)	D	3	[36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[154]
		Fusiform rust (<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>)	D	1	[1,36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	1	[1,37,152]

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<i>Pinus strobiformis</i>	southwestern white pine	Red ring rot (<i>Phellinus pini</i>)	D	1	[1]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	8	[36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	5	[35,37]
		Roundheaded pine beetle (<i>Dendroctonus adjunctus</i>)	I/B	5	[37]
<i>Pinus strobus</i>	white pine	Apache dwarf mistletoe (<i>Arceuthobium apachecum</i>)	P	3	[36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	3	[13,35,36]
		White pine blister rust (<i>Cronartium ribicola</i>)*	D	5	[1,36]
		Canadian pine scale (<i>Matsucoccus macrocicatrices</i>)/ <i>Caliciopsis pinea</i> complex	C	3	[158]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[1,36]
<i>Pinus taeda</i>	loblolly pine	Pine shoot beetle (<i>Tomicus piniperda</i>)*	I/B	1	[37]
		White pine weevil (<i>Pissodes strobi</i>)	I/B	1	[1,37]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	5	[1,37]
		Fusiform rust (<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>)	D	3	[36]
		Pine engraver beetles (<i>Ips</i> spp.)	I/B	3	[1,37,155]
<i>Pinus torreyana</i>	Torrey pine	Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[1,36]
		Sawfly (<i>Neodiprion</i> spp.)	I/F	1	[35,37]
		California fivespined ips (<i>Ips paraconfusus</i>)	I/B	5	[7]
		Dwarf mistletoe (<i>Arceuthobium occidentale</i>)	P	3	[1,36]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	3	[36,157]
<i>Pinus virginiana</i>	Virginia pine	Bark beetle (<i>Ips spinifer</i>)	I/B	1	[1]
		Western gall rust (<i>Endocronartium harknessii</i>)	D	1	[1]
		Pitch canker (<i>Fusarium circinatum</i>)*	D	3	[1,36]
		Southern pine beetle (<i>Dendroctonus frontalis</i>)	I/B	3	[1]
		Gall rust of Virginia pine (<i>Cronartium quercuum</i> f. sp. <i>virginianae</i>)	D	1	[1,36]
		Red ring rot (<i>Phellinus pini</i>)	D	1	[1]

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		Sawfly (<i>Neodiprion</i> spp.)	I/F	1	[1,35]
<i>Piscidia piscipula</i>	fishpoison tree	Psyllid (<i>Euphalerus nidifex</i>)	I/F	1	[159]
<i>Pistacia mexicana</i>	Texas pistache	none	.	.	.
<i>Planera aquatica</i>	water-elm	Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	5	[160,161]
<i>Platanus occidentalis</i>	American sycamore	Sycamore canker (<i>Ceratocystis fimbriata</i> f. <i>platani</i>)	D	5	[1,36]
		Anthracnose (<i>Apiognomonium veneta</i>)	D	1	[1,36]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]
		Sycamore lace bug (<i>Corythucha ciliata</i>)	I/F	1	[1]
<i>Platanus racemosa</i>	California sycamore	Polyphagous shot hole borer (<i>Euwallacea</i> spp.)*	I/B	8	[38,162]
		Anthracnose (<i>Apiognomonium veneta</i>)	D	1	[36]
		Sycamore borer (<i>Synanthedon resplendens</i>)	I/B	1	[163]
<i>Platanus wrightii</i>	Arizona sycamore	Anthracnose (<i>Apiognomonium veneta</i>)	D	1	[36]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[164]
		Oak bracket (<i>Inonotus dryadeus</i>)	D	1	[36]
<i>Populus angustifolia</i>	narrowleaf cottonwood	Poplar borer (<i>Saperda calcarata</i>)	I/B	3	[37]
		Cottonwood leaf beetle (<i>Chrysomela scripta</i>)	I/F	1	[165]
		Poplar rust (<i>Melampsora abietis-canadensis</i>)	D	1	[8]
		Poplar-and-willow borer (<i>Cryptorhynchus lapathi</i>)*	I/B	1	[34]
<i>Populus balsamifera</i>	balsam poplar	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[12]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[34]
		Poplar borer (<i>Saperda calcarata</i>)	I/B	1	[1,37]
		Poplar rust (<i>Melampsora abietis-canadensis</i>)	D	1	[1,36]
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	black cottonwood	Cottonwood leaf beetle (<i>Chrysomela scripta</i>)	I/F	1	[165]
		Cytospora canker (<i>Cytospora chrysosperma</i>)	D	1	[13]
		Oystershell scale (<i>Lepidosaphes ulmi</i>)*	I/S	1	[1]

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<i>Populus deltoides</i>	eastern cottonwood	Poplar rust (<i>Melampsora occidentalis</i>)	D	1	[36]
		Poplar-and-willow borer (<i>Cryptorhynchus lapathi</i>)*	I/B	1	[1]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Cottonwood borer (<i>Plectrodera scalator</i>)	I/B	1	[1]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[12]
		Poplar borer (<i>Saperda calcarata</i>)	I/B	1	[1,37]
<i>Populus deltoides</i> ssp. <i>monilifera</i>	plains cottonwood	Poplar rust (<i>Melampsora abietis-canadensis</i>)	D	1	[1,36]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Cottonwood borer (<i>Plectrodera scalator</i>)	I/B	1	[1]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[12]
		Poplar borer (<i>Saperda calcarata</i>)	I/B	1	[1,37]
		Poplar rust (<i>Melampsora abietis-canadensis</i>)	D	1	[36]
<i>Populus fremontii</i>	Fremont cottonwood	Canker (<i>Cryptosphaeria pullmanensis</i>)	D	1	[166]
		Cottonwood leaf beetle (<i>Chrysomela scripta</i>)	I/F	1	[165]
		Sooty canker (<i>Fusicoccum mangiferum</i>)	D	1	[36]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Populus grandidentata</i>	bigtooth aspen	Hypoxyton canker of aspen (<i>Entoleuca mammata</i>)	D	3	[13,36]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[1]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[167]
		Poplar borer (<i>Saperda calcarata</i>)	I/B	1	[1,37]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Populus heterophylla</i>	swamp cottonwood	Cottonwood leaf beetle (<i>Chrysomela scripta</i>)	I/F	1	[165]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[35,37]
		Melampsora leaf rust (<i>Melampsora medusae</i>)	D	1	[1]
		Poplar borer (<i>Saperda calcarata</i>)	I/B	1	[1,37]

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<i>Populus tremuloides</i>	quaking aspen	Bronze poplar borer (<i>Agrilus liragus</i>)	I/B	3	[1,168-170]
		Cytospora canker (<i>Cytospora chrysosperma</i>)	D	3	[36]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	3	[1,12]
		Poplar borer (<i>Saperda calcarata</i>)	I/B	3	[37]
		Sooty bark canker (<i>Encoelia pruinosa</i>)	D	3	[1,171]
<i>Prosopis glandulosa</i>	honey mesquite	Borer (<i>Megacyllene antennata</i>)	I/B	1	[37]
		Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Prosopis pubescens</i>	screwbean mesquite	Borer (<i>Megacyllene antennata</i>)	I/B	1	[37]
		Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Prosopis velutina</i>	velvet mesquite	Borer (<i>Megacyllene antennata</i>)	I/B	1	[37]
		Mistletoe (<i>Phoradendron californicum</i>)	P	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Prunus alleghaniensis</i>	Allegheny plum	Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	D	1	[36]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[35,37]
<i>Prunus americana</i>	American plum	Prunus X-disease (<i>Phytoplasma</i>)	D	5	[36]
		Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	D	1	[36]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Tent caterpillar (<i>Malacosoma</i> spp.)	I/F	1	[35,37]
<i>Prunus angustifolia</i>	Chickasaw plum	Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	D	1	[36]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]

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<i>Prunus caroliniana</i>	Carolina laurelcherry	Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Tent caterpillar (<i>Malacosoma</i> spp.)	I/F	1	[35,37]
		Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	D	1	[36]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
<i>Prunus emarginata</i>	bitter cherry	Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[35,37]
		Black knot (<i>Apiosporina morbosa</i>)	D	3	[36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
<i>Prunus hortulana</i>	hotulan plum	Leaf curl and witches broom (<i>Taphrina wiesneri</i>)	D	1	[36]
		Tent caterpillar (<i>Malacosoma</i> spp.)	I/F	1	[35,37]
		Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	D	1	[36]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
<i>Prunus mexicana</i>	Mexicana plum	Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[35,37]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
<i>Prunus nigra</i>	Canada plum	Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[35,37]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
<i>Prunus pensylvanica</i>	pin cherry	Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[35,37]
		Black knot (<i>Apiosporina morbosa</i>)	D	1	[1,36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Leaf curl and witches broom (<i>Taphrina wiesneri</i>)	D	1	[36]
<i>Prunus serotina</i>	black cherry	Tent caterpillar (<i>Malacosoma</i> spp.)	I/F	1	[1,35,37]
		Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	D	1	[36]

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		Black knot (<i>Apiosporina morbosa</i>)	D	1	[1,36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[1,35,37]
<i>Prunus umbellata</i>	flatwoods plum	Black knot (<i>Apiosporina morbosa</i>)	D	1	[36]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
		Eastern tent caterpillar (<i>Malacosoma americanum</i>)	I/F	1	[35,37]
<i>Prunus virginiana</i>	chokecherry	Prunus X-disease (<i>Phytoplasma</i>)	D	5	[36,172,173]
		Black knot (<i>Apiosporina morbosa</i>)	D	3	[36]
		Tent caterpillar (<i>Malacosoma</i> spp.)	I/F	3	[35,37]
		Cherry leaf spot (<i>Blumeriella jaapii</i>)	D	1	[36]
<i>Pseudotsuga macrocarpa</i>	bigcone Douglas-fir	Flatheaded fir borer (<i>Melanophila drummondi</i>)	I/B	3	[174]
		Laminated root rot (<i>Phellinus sulphurascens</i>)	D	3	[20]
		California flatheaded borer (<i>Melanophila californica</i>)	I/B	1	[1]
<i>Pseudotsuga menziesii</i>	Douglas-fir	Douglas-fir beetle (<i>Dendroctonus pseudotsugae</i>)	I/B	8	[37]
		Laminated root rot (<i>Phellinus sulphurascens</i>)	D	8	[20,36]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	5	[36]
		Douglas-fir tussock moth (<i>Orgyia pseudotsugata</i>)	I/F	5	[1]
		Western spruce budworm (<i>Choristoneura freemani</i>)	I/F	5	[37]
<i>Psorothamnus spinosus</i>	smokethorn	none	.	.	.
<i>Quercus acerifolia</i>	mapleleaf oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus agrifolia</i>	California live oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	8	[36]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	5	[176]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[177]

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<i>Quercus alba</i>	white oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	3	[1,34,175]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[1,37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
<i>Quercus arizonica</i>	Arizona white oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
		Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
<i>Quercus arkansana</i>	Arkansas oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[13,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus bicolor</i>	swamp white oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1,36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus boyntonii</i>	Boynton oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[13,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]

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<i>Quercus buckleyi</i>	Buckley oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus chrysolepis</i>	canyon live oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	8	[117]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[178]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	1	[176]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36,178]
<i>Quercus coccinea</i>	scarlet oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Forest tent caterpillar (<i>Malacosoma disstria</i>)	I/F	1	[1]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Walkingstick (<i>Diaperomera femorata</i>)	I/F	1	[1]
<i>Quercus douglasii</i>	blue oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[177,178]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1,36]
		Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36,178]
<i>Quercus ellipsoidalis</i>	northern pin oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]

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<i>Quercus emoryi</i>	Emory oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34,165]
		Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	1	[179]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus engelmannii</i>	Engelmann oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[178]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	1	[176]
<i>Quercus falcata</i>	southern red oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	3	[180]
<i>Quercus gambelii</i>	Gambel oak	Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[7,37]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Gambel oak borer (<i>Agrilus quercicola</i>)	I/B	3	[181]
<i>Quercus garryana</i>	Oregon white oak	Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[7]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[178]
<i>Quercus georgiana</i>	Georgia oak	Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[1,36]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[13,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]

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<i>Quercus graciliformis</i>	slender oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[182]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[13,34,175]
<i>Quercus gravesii</i>	Graves oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[13,34,175]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus grisea</i>	gray oak	Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[182]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus hypoleucoides</i>	silverleaf oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	1	[179]
<i>Quercus ilicifolia</i>	scrub oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Quercus imbricaria</i>	shingle oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Quercus incana</i>	bluejack oak	Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]

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<i>Quercus kelloggii</i>	California black oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	8	[36]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	5	[176]
<i>Quercus laceyi</i>	Lacey oak	Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[1,178]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
<i>Quercus laevis</i>	turkey oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]
<i>Quercus laurifolia</i>	laurel oak	Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Quercus lobata</i>	California white oak	Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
<i>Quercus lyrata</i>	overcup oak	Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[177,178]
		Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36,178]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]

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<i>Quercus macrocarpa</i>	bur oak	Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
<i>Quercus margaretta</i>	dwarf post oak	Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[36]
		Bur oak blight (<i>Tubakia dryina</i>)	D	1	[183]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus marilandica</i>	blackjack oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
<i>Quercus michauxii</i>	swamp chestnut oak	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[1]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Quercus minima</i>	dwarf live oak	Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]

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<i>Quercus muehlenbergii</i>	chinkapin oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
<i>Quercus myrtifolia</i>	myrtle oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus nigra</i>	water oak	Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[182]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Hispidus canker (<i>Inonotus hispidus</i>)	D	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus oblongifolia</i>	Mexican blue oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Canker rot of oak (<i>Inonotus andersonii</i>)	D	1	[36]
		Eastern mistletoe (<i>Phoradendron leucarpum</i>)	P	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
<i>Quercus oglethorpensis</i>	Oglethorpe oak	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34]
<i>Quercus pagoda</i>	cherrybark oak	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Hispidus canker (<i>Inonotus hispidus</i>)	D	1	[36]

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<i>Quercus palustris</i>	pin oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
<i>Quercus phellos</i>	willow oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[182]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Fall cankerworm (<i>Alsophila pometaria</i>)	I/F	3	[184]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
<i>Quercus polymorpha</i>	Mexican white oak	Hispidus canker (<i>Inonotus hispidus</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
<i>Quercus prinoides</i>	dwarf chinquapin oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
<i>Quercus prinus</i>	chestnut oak	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[1,34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Quercus pungens</i>	sandpaper oak	Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Quercus rubra</i>	northern red oak	Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]

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<i>Quercus rugosa</i>	netleaf oak	Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	3	[182]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Endothia canker (<i>Endothia gyrosa</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[13,34,175]
<i>Quercus shumardii</i>	Shumard oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Quercus similis</i>	Delta post oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[1]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	1	[1]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[182]
<i>Quercus sinuata</i>	Durand oak	Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	1	[185]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
<i>Quercus stellata</i>	post oak	Hypoxyton canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	5	[1,34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Armillaria root disease (<i>Armillaria</i> spp.)	D	1	[36]
<i>Quercus texana</i>	Nutall oak	Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[182]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1]

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<i>Quercus tomentella</i>	island live oak	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Butt rot (<i>Hericium erinaceus</i>)	D	1	[36]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[13,34,175]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[178]
<i>Quercus velutina</i>	black oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
<i>Quercus virginiana</i>	live oak	Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
		Red oak borer (<i>Enaphalodes rufulus</i>)	I/B	1	[1]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[1,34,175]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Twolined chestnut borer (<i>Agrilus bilineatus</i>)	I/B	3	[37]
		Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	D	1	[186]
<i>Quercus wislizeni</i>	interior live oak	Bot canker (<i>Botryosphaeria corticola</i>)	D	1	[186]
		Oak wilt (<i>Bretziella fagacearum</i>)*	D	8	[34]
		Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	I/B	3	[179]
		Oak pit scale (<i>Asterolecanium</i> spp.)*	I/S	3	[178]
		Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	D	1	[36]
<i>Rhizophora mangle</i>	American mangrove	Wood borer (<i>Sphaeroma terebrans</i>)*	I/B	5	[187]
		Gall disease (<i>Cylindrocarpon didymum</i>)	D	1	[188,189]
		Wood borer (<i>Coccotrypes rhizophorae</i>)*	I/B	1	[188,190]
<i>Rhus typhina</i>	staghorn sumac	Fusarium wilt (<i>Fusarium oxysporum</i> f. sp. <i>rhois</i>)	D	3	[36]

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<i>Robinia neomexicana</i>	New Mexico locust	Heart rot fungi (<i>Phellinus robiniae</i>)	D	1	[36]
		Locust borer (<i>Megacyllene robiniae</i>)	I/B	1	[37]
		Locust leafminer (<i>Odontota dorsalis</i>)	I/F	1	[1]
<i>Robinia pseudoacacia</i>	black locust	Heart rot fungi (<i>Phellinus robiniae</i>)	D	1	[36]
		Locust borer (<i>Megacyllene robiniae</i>)	I/B	1	[1]
		Locust leafminer (<i>Odontota dorsalis</i>)	I/F	1	[1]
		Locust twig borer (<i>Ecdytolopha insiticihana</i>)	I/B	1	[1]
		Stunt nematode (<i>Tylenchorhynchus</i> spp.)	D	1	[36]
<i>Roystonea regia</i>	Florida royal palm	Thielaviopsis trunk rot (<i>Thielaviopsis paradoxa</i>)	D	3	[191]
		Ganoderma butt rot (<i>Ganoderma zonatum</i>)	D	1	[191]
		Royal palm bug (<i>Xylastodoris luteolus</i>)	I/S	1	[191]
<i>Sabal mexicana</i>	Mexican palmetto	Texas Phoenix palm decline (Candidatus <i>Phytoplasma palmae</i>)	D	5	[192]
		Thielaviopsis trunk rot (<i>Thielaviopsis paradoxa</i>)	D	5	[192]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[192]
<i>Sabal palmetto</i>	cabbage palmetto	Texas Phoenix palm decline (Candidatus <i>Phytoplasma palmae</i>)	D	5	[192]
		Thielaviopsis trunk rot (<i>Thielaviopsis paradoxa</i>)	D	5	[192]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[192]
<i>Salix alaxensis</i>	feltleaf willow	Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix amygdaloides</i>	peachleaf willow	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[36]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix arbusculoides</i>	peachleaf willow	Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]

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<i>Salix bebbiana</i>	Bebb willow	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[36]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix bonplandiana</i>	Bonpland willow	Willow witches'-broom (<i>Phytoplasma</i> , members of the yellows group)	D	1	[36]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix caroliniana</i>	coastal plain willow	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
<i>Salix laevigata</i>	red willow	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
		Polyphagous shot hole borer (<i>Euvallancea</i> spp.)*	I/B	5	[193]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix lasiolepis</i>	arroyo willow	Polyphagous shot hole borer (<i>Euvallancea</i> spp.)*	I/B	5	[162]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix lucida</i> ssp. <i>lasiandra</i>	Pacific willow	Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]

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<i>Salix nigra</i>	black willow	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Polyphagous shot hole borer (<i>Euvallancea</i> spp.)*	I/B	3	[162]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
		Willow witches'-broom (<i>Phytoplasma</i> , members of the yellows group)	D	1	[36]
<i>Salix pyrifolia</i>	balsam willow	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
<i>Salix scouleriana</i>	Scouler's willow	Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
		Artist's conk (<i>Ganoderma applanatum</i>)	D	1	[36]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
		Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	D	3	[34]
<i>Salix taxifolia</i>	yewleaf willow	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	1	[34]
		Soapberry borer (<i>Agrilus prionurus</i>)*	I/B	8	[34,194]
<i>Sapindus drummondii</i>	western soapberry	Laurel wilt (<i>Raffaelea lauricola</i>)/redbay ambrosia beetle (<i>Xyleborus glabratus</i>)*	C	8	[34,37,195]
<i>Sassafras albidum</i>	sassafras	Ganoderma rot of hardwoods (<i>Ganoderma lucidum</i>)	D	1	[36]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[1]
		Verticillium wilt (<i>Verticillium albo-atrum</i>)	D	1	[35]
		Witches'-broom (<i>Apiosporina collinsii</i>)	D	1	[36]
		Brown cubical rot (<i>Poria sequoiae</i>)	D	1	[1]
<i>Sequoia sempervirens</i>	coast redwood	Cercospora blight (<i>Asperisporium sequoiae</i>)	D	1	[13,36,124]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[36]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	1	[36]

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		White ring rot (<i>Obba rivulosa</i>)	D	1	[1]
<i>Sequoiadendron giganteum</i>	giant sequoia	Cercospora blight (<i>Asperisporium sequoiae</i>)	D	1	[13,36,124]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[36]
<i>Sideroxylon foetidissimum</i>	false mastic	False-mastic psylla (<i>Ceropsylla sideroxyli</i>)	I/S	1	[196]
		Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	I/S	1	[97,197]
<i>Sideroxylon lanuginosum</i>	gum bumelia	none	.	.	.
<i>Sideroxylon lycioides</i>	buckthorn bumelia	none	.	.	.
<i>Sideroxylon salicifolium</i>	white bully	Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	I/S	1	[97,197]
<i>Simarouba glauca</i>	paradise-tree	none	.	.	.
<i>Sophora affinis</i>	Texas sophora	none	.	.	.
<i>Sorbus americana</i>	American mountain-ash	Fire blight (<i>Erwinia amylovora</i>)	D	3	[36]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Sorbus decora</i>	northern mountain-ash	Fire blight (<i>Erwinia amylovora</i>)	D	3	[36]
		Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
<i>Stewartia ovata</i>	mountain camellia	none	.	.	.
<i>Swietenia mahagoni</i>	West Indian mahogany	Mahogany shoot borer (<i>Hypsipyla grandella</i>)	I/B	1	[37]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[36]
<i>Taxodium ascendens</i>	pondcypress	Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	I/F	1	[37]
		Cypress looper (<i>Anacamptodes pergracilus</i>)	I/F	1	[1,198]
		Southern cypress bark beetle (<i>Phloeosinus taxodii</i>)	I/B	1	[1]
<i>Taxodium distichum</i>	baldcypress	Baldcypress leafroller (<i>Archips goyerana</i>)	I/F	1	[1]
		Cercospora blight (<i>Asperisporium sequoiae</i>)	D	1	[36,124]
		Cypress looper (<i>Anacamptodes pergracilus</i>)	I/F	1	[1,198]
		Southern cypress bark beetle (<i>Phloeosinus taxodii</i>)	I/B	1	[1]
<i>Taxodium mucronatum</i>	Montezuma baldcypress	Southern cypress bark beetle (<i>Phloeosinus taxodii</i>)	I/B	1	[1]

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<i>Taxus brevifolia</i>	Pacific yew	White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
		Black vine weevil (<i>Otiorhynchus sulcatus</i>)*	I/F	1	[34]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[36]
		Port-Orford-cedar root disease (<i>Phytophthora lateralis</i>)*	D	1	[35,90]
<i>Taxus floridana</i>	Florida yew	Black vine weevil (<i>Otiorhynchus sulcatus</i>)*	I/F	1	[34]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[36]
<i>Thrinax morrisii</i>	key thatch palm	Boisduval Scale (<i>Diaspis boisduvalii</i>)	I/S	1	[199]
<i>Thrinax radiata</i>	Florida thatch palm	Boisduval Scale (<i>Diaspis boisduvalii</i>)	I/S	1	[199]38
<i>Thuja occidentalis</i>	northern white-cedar	Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[36]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	1	[36]
<i>Thuja plicata</i>	western redcedar	Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[1]
		Cercospora blight (<i>Asperisporium sequoiae</i>)	D	1	[36,124]
		Didymascella leaf blight (<i>Didymascella thujina</i>)	D	1	[36]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	1	[36]
		Seiridium canker (<i>Seiridium cardinale</i>)	D	1	[36]
<i>Tilia americana</i>	American basswood	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[36]
<i>Tilia americana</i> var. <i>caroliniana</i>	Carolina basswood	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[36]
<i>Tilia americana</i> var. <i>heterophylla</i>	white basswood	Gypsy moth (<i>Lymantria dispar dispar</i>)*	I/F	3	[34]
		Japanese beetle (<i>Popillia japonica</i>)*	I/F	1	[34]
		Nectria canker (<i>Nectria ditissima</i>)	D	1	[36]
<i>Torreya californica</i>	California torreya (nutmeg)	none	.	.	.

T/G=Taxon/Guild. Taxon: I=insect, D=disease, P=parasitic plant, C=insect and disease multi-agent complex; Guild (for insects): B=phloem- or wood-borers, F=foliage-feeders, S=sap-feeders. Sev.=Severity. Nonnative invasive agents are indicated with *.

Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Torreya taxifolia</i>	Florida torreyia	Canker disease (<i>Fusarium</i> spp.)	D	10	[200]
<i>Tsuga canadensis</i>	eastern hemlock	Hemlock woolly adelgid (<i>Adelges tsugae</i>)*	I/S	10	[37]
		Elongate hemlock scale (<i>Fiorinia externa</i>)*	I/S	3	[34]
		Hemlock borer (<i>Melanophila fulvoguttata</i>)	I/B	1	[1]
		Hemlock looper (<i>Lambdina fiscellaria</i>)	I/F	1	[1,37]
		Spruce budworm (<i>Choristoneura fumiferana</i>)	I/F	1	[1]
<i>Tsuga caroliniana</i>	Carolina hemlock	Hemlock woolly adelgid (<i>Adelges tsugae</i>)*	I/S	10	[37]
		Elongate hemlock scale (<i>Fiorinia externa</i>)*	I/S	3	[34]
		Hemlock borer (<i>Melanophila fulvoguttata</i>)	I/B	1	[201]
		Hemlock looper (<i>Lambdina fiscellaria</i>)	I/F	1	[202]
<i>Tsuga heterophylla</i>	western hemlock	Laminated root rot (<i>Phellinus sulphurascens</i>)	D	5	[20,203]
		Hemlock dwarf mistletoe (<i>Arceuthobium tsugense</i>)	P	5	[36]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[36]
		Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	D	3	[1]
		Western hemlock looper (<i>Lambdina fiscellaria lugubrosa</i>)	I/F	3	[1]
<i>Tsuga mertensiana</i>	mountain hemlock	Laminated root rot (<i>Phellinus sulphurascens</i>)	D	5	[1,20]
		Hemlock dwarf mistletoe (<i>Arceuthobium tsugense</i>)	P	5	[1]
		Heterobasidion root disease (<i>Heterobasidion</i> spp.)	D	3	[1]
		Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	D	3	[1]
<i>Ulmus alata</i>	winged elm	Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	8	[36]
		Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	D	5	[36,204]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	3	[34]
<i>Ulmus americana</i>	American elm	Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	8	[36]
		Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	D	5	[36,204]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	3	[34]

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Host species scientific name	Host species common name	Agent	T/G	Sev.	Sources
<i>Ulmus crassifolia</i>	cedar elm	Banded elm bark beetle (<i>Scolytus schevyrewi</i>)*	I/B	3	[34,35]
		Pit canker (<i>Phytophthora inflata</i>)	D	1	[36]
		Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	8	[36]
		Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	D	5	[36,204]
<i>Ulmus rubra</i>	slippery elm	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	3	[34]
		Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	5	[36]
		Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	D	5	[36,204]
<i>Ulmus serotina</i>	September elm	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	3	[34]
		Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	8	[36]
		Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	D	5	[36]
<i>Ulmus thomasii</i>	rock elm	Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	3	[34]
		Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	D	8	[36]
		Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	D	5	[13]
		Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	I/B	3	[34]
<i>Umbellularia californica</i>	California-laurel	Banded elm bark beetle (<i>Scolytus schevyrewi</i>)*	I/B	3	[36]
		Laurel wilt (<i>Raffaelea lauricola</i>)/redbay ambrosia beetle (<i>Xyleborus glabratus</i>)*	C	8	[205]
		Bacterial leaf blight (<i>Pseudomonas lauraceum</i>)	D	1	[36]
		Sudden oak death (<i>Phytophthora ramorum</i>)*	D	1	[36]
		White mottled rot (<i>Ganoderma</i> spp.)	D	1	[36]
<i>Washingtonia filifera</i>	California fan palm	Giant palm borer (<i>Dinapate wrightii</i>)	I/B	3	[7]
		False smut of palms (<i>Graphiloa phoenicis</i>)	D	1	[36]
<i>Yucca brevifolia</i>	Joshua tree	Wood rotting (<i>Phanerochaete tuberculata</i>)	D	1	[206]
<i>Yucca treculeana</i>	Trecul yucca	none	.	.	.
<i>Zanthoxylum clava-herculis</i>	Hercules-club	none	.	.	.
<i>Zanthoxylum fagara</i>	lime prickly-ash	none	.	.	.

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Table S2. The 339 insect, disease, and parasitic higher plant agents identified as among the most important threats to each of 419 North American tree species. Nonnative invasive agents are indicated with *. The list includes the guilds of the insect agents, and the number of host tree species identified for each agent.

Agent	Guild	Hosts
<i>Insects</i>		
Alder bark beetle (<i>Alniphagus aspericollis</i>)	Phloem- or Wood-Borers	1
Asian longhorned beetle (<i>Anoplophora glabripennis</i>)*	Phloem- or Wood-Borers	43
Asiatic oak weevil (<i>Cyrtopistomus castaneus</i>)*	Foliage-Feeders	3
Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	Foliage-Feeders	4
Baldcypress leafroller (<i>Archips goyerana</i>)	Foliage-Feeders	1
Balsam woolly adelgid (<i>Adelges piceae</i>)*	Sap-Feeders	5
Banded elm bark beetle (<i>Scolytus schevyrewi</i>)*	Phloem- or Wood-Borers	2
Bark beetle (<i>Ips spinifer</i>)	Phloem- or Wood-Borers	1
Bark beetle (<i>Liparthrum arizonicum</i>)	Phloem- or Wood-Borers	1
Bark beetle (<i>Orthotomicus spinifer</i>)	Phloem- or Wood-Borers	1
Birch leafminer (<i>Fenusa pusilla</i>)*	Foliage-Feeders	3
Black stem borer (<i>Xylosandrus germanus</i>)*	Phloem- or Wood-Borers	1
Black twig borer (<i>Xylosandrus compactus</i>)*	Phloem- or Wood-Borers	2
Black vine weevil (<i>Otiorhynchus sulcatus</i>)*	Foliage-Feeders	2
Black-horned juniper borer (<i>Callidium texanum</i>)	Phloem- or Wood-Borers	1
Blue spruce engraver (<i>Ips hunteri</i>)	Phloem- or Wood-Borers	1
Boisduval Scale (<i>Diaspis boisduvalii</i>)	Sap-Feeders	2
Borer (<i>Megacyllene antennata</i>)	Phloem- or Wood-Borers	3
Bronze birch borer (<i>Agrilus anxius</i>)	Phloem- or Wood-Borers	4
Bronze poplar borer (<i>Agrilus liragus</i>)	Phloem- or Wood-Borers	1
Cactus longhorn beetle (<i>Moneilema gigas</i>)	Phloem- or Wood-Borers	1
Calico scale (<i>Eulecanium cerasorum</i>)*	Sap-Feeders	3
California fivespined ips (<i>Ips paraconfusus</i>)	Phloem- or Wood-Borers	1
California flatheaded borer (<i>Melanophila californica</i>)	Phloem- or Wood-Borers	1
California oakworm (<i>Phryganidia californica</i>)	Foliage-Feeders	1
Cardin's whitefly (<i>Metaleurodicus cardini</i>)*	Sap-Feeders	1
Catalpa sphinx moth (<i>Ceratonia catalpae</i>)	Foliage-Feeders	2
Cedar bark beetle (<i>Phloeosinus</i> spp.)	Phloem- or Wood-Borers	7
Cherry bark tortrix (<i>Enarmonia formosana</i>)*	Phloem- or Wood-Borers	8
Chestnut gall wasp (<i>Dryocosmus kuriphilus</i>)*	Foliage-Feeders	1
Cottonwood borer (<i>Plectrodera scalator</i>)	Phloem- or Wood-Borers	2
Cottonwood leaf beetle (<i>Chrysomela scripta</i>)	Foliage-Feeders	4
Cypress looper (<i>Anacamptodes pergracilus</i>)	Foliage-Feeders	2
Dogwood borer (<i>Synanthedon scitula</i>)	Phloem- or Wood-Borers	1
Dogwood clubgall midge (<i>Resseliella clavula</i>)	Foliage-Feeders	1
Dogwood twig borer (<i>Oberea tripunctata</i>)	Phloem- or Wood-Borers	1
Douglas-fir beetle (<i>Dendroctonus pseudotsugae</i>)	Phloem- or Wood-Borers	1
Douglas-fir tussock moth (<i>Orgyia pseudotsugata</i>)	Foliage-Feeders	2

Agent	Guild	Hosts
Eastern juniper bark beetle (<i>Phloeosinus dentatus</i>)	Phloem- or Wood-Borers	2
Eastern tent caterpillar (<i>Malacosoma americanum</i>)	Foliage-Feeders	7
Edwards wasp moth (<i>Lymire edwardsii</i>)	Foliage-Feeders	2
Elongate hemlock scale (<i>Fiorinia externa</i>)*	Sap-Feeders	2
Emerald ash borer (<i>Agrilus planipennis</i>)*	Phloem- or Wood-Borers	15
European pine sawfly (<i>Neodiprion sertifer</i>)*	Foliage-Feeders	1
Fall cankerworm (<i>Alsophila pometaria</i>)	Foliage-Feeders	2
False-mastic psylla (<i>Ceropsylla sideroxyli</i>)	Sap-Feeders	1
Ficus whitefly (<i>Singhiella simplex</i>)*	Sap-Feeders	2
Fiddlewood leafroller (<i>Epicorsia oedipodalis</i>)	Foliage-Feeders	2
Fir engraver (<i>Scolytus ventralis</i>)	Phloem- or Wood-Borers	4
Flatheaded apple tree borer (<i>Chrysobothris femorata</i>)	Phloem- or Wood-Borers	1
Flatheaded fir borer (<i>Melanophila drummondi</i>)	Phloem- or Wood-Borers	1
Florida wax scale (<i>Ceroplastes floridensis</i>)	Sap-Feeders	2
Forest tent caterpillar (<i>Malacosoma disstria</i>)	Foliage-Feeders	28
Gambel oak borer (<i>Agrilus quercicola</i>)	Phloem- or Wood-Borers	1
Geiger tortoise beetle (<i>Eurypepla calochroma</i>)	Foliage-Feeders	1
Geometrid moth (<i>Stamnodes animata</i>)*	Foliage-Feeders	1
Giant palm borer (<i>Dinapate wrightii</i>)	Phloem- or Wood-Borers	1
Goldspotted oak borer (<i>Agrilus auroguttatus</i>)	Phloem- or Wood-Borers	7
Green alder sawfly (<i>Monsoma pulveratum</i>)*	Foliage-Feeders	2
Gypsy moth (<i>Lymantria dispar dispar</i>)*	Foliage-Feeders	65
Hackberry butterfly (<i>Asterocampa celtis</i>)	Foliage-Feeders	1
Hackberry engraver (<i>Scolytus muticus</i>)	Phloem- or Wood-Borers	1
Hackberry nipplegall maker (<i>Pachypsylla celtidismamma</i>)*	Foliage-Feeders	1
Hemlock borer (<i>Melanophila fulvoguttata</i>)	Phloem- or Wood-Borers	2
Hemlock looper (<i>Lambdina fiscellaria</i>)	Foliage-Feeders	2
Hemlock woolly adelgid (<i>Adelges tsugae</i>)*	Sap-Feeders	2
Hickory bark beetle (<i>Scolytus quadrispinosus</i>)	Phloem- or Wood-Borers	8
Hickory borer (<i>Goes pulcher</i>)	Phloem- or Wood-Borers	5
Hickory spiral borer (<i>Agrilus arcuatus torquatus</i>)	Phloem- or Wood-Borers	2
Honeylocust agrilus (<i>Agrilus difficilis</i>)	Phloem- or Wood-Borers	1
Jack pine budworm (<i>Choristoneura pinus</i>)	Foliage-Feeders	1
Japanese beetle (<i>Popillia japonica</i>)*	Foliage-Feeders	14
Jeffrey pine beetle (<i>Dendroctonus jeffreyi</i>)	Phloem- or Wood-Borers	1
Juniper borer (<i>Atimia huachucae</i>)	Phloem- or Wood-Borers	1
Juniper scale (<i>Carulaspis juniperi</i>)*	Sap-Feeders	16
Juniper twig pruner (<i>Styloxus bicolor</i>)	Phloem- or Wood-Borers	1
Lac scale (<i>Tachardiella mexicana</i>)	Sap-Feeders	1
Larch casebearer (<i>Coleophora laricella</i>)*	Foliage-Feeders	2
Larch sawfly (<i>Pristiphora erichsonii</i>)	Foliage-Feeders	3
Linden looper (<i>Erranis tiliaria</i>)	Foliage-Feeders	1
Lobate lac scale (<i>Paratachardina pseudolobata</i>)*	Sap-Feeders	6

Agent	Guild	Hosts
Locust borer (<i>Megacyllene robiniae</i>)	Phloem- or Wood-Borers	2
Locust leafminer (<i>Odontota dorsalis</i>)	Foliage-Feeders	2
Locust twig borer (<i>Ecdytolopha insiticiana</i>)	Phloem- or Wood-Borers	1
Madrone thrips (<i>Thrips madronii</i>)	Foliage-Feeders	1
Magnolia scale (<i>Neolecanium cornuparvum</i>)	Sap-Feeders	3
Mahogany shoot borer (<i>Hypsipyla grandella</i>)	Phloem- or Wood-Borers	1
Mimosa webworm (<i>Homadaula anisocentra</i>)*	Foliage-Feeders	1
Monterey pine weevil (<i>Pissodes radiatae</i>)*	Phloem- or Wood-Borers	2
Mountain mahogany bark beetle (<i>Chaetophloeus heterodoxus</i>)	Phloem- or Wood-Borers	1
Mountain pine beetle (<i>Dendroctonus ponderosae</i>)	Phloem- or Wood-Borers	10
Mountain-mahogany looper (<i>Iridopsis clivinaria</i>)	Foliage-Feeders	1
North American pine engraver (<i>Ips pini</i>)	Phloem- or Wood-Borers	1
Oak pit scale (<i>Asterolecanium</i> spp.)*	Sap-Feeders	9
Oystershell scale (<i>Lepidosaphes ulmi</i>)*	Sap-Feeders	21
Palo verde root borers (<i>Derobrachus geminatus</i>)	Phloem- or Wood-Borers	1
Pecan carpenterworm (<i>Cossula magnifica</i>)	Phloem- or Wood-Borers	1
Pine engraver beetles (<i>Ips</i> spp.)	Phloem- or Wood-Borers	17
Pine shoot beetle (<i>Tomicus piniperda</i>)*	Phloem- or Wood-Borers	1
Pink hibiscus mealybug (<i>Maconellicoccus hirsutus</i>)*	Sap-Feeders	2
Pinon twig beetle (<i>Pityophthorus punctifrons</i>)	Phloem- or Wood-Borers	1
Pinyon ips (<i>Ips confusus</i>)	Phloem- or Wood-Borers	4
Pinyon needle scale (<i>Matsucoccus acalyptus</i>)	Sap-Feeders	6
Pinyon sawfly (<i>Neodiprion edulicolus</i>)	Foliage-Feeders	3
Polyphagous shot hole borer (<i>Euvallacea</i> spp.)*	Phloem- or Wood-Borers	6
Poplar borer (<i>Saperda calcarata</i>)	Phloem- or Wood-Borers	7
Poplar-and-willow borer (<i>Cryptorhynchus lapathi</i>)*	Phloem- or Wood-Borers	2
Psyllid (<i>Euphalerus nidifex</i>)	Foliage-Feeders	1
Red oak borer (<i>Enaphalodes rufulus</i>)	Phloem- or Wood-Borers	10
Red pine scale (<i>Matsucoccus resinosae</i>)*	Sap-Feeders	1
Redheaded pine sawfly (<i>Neodiprion lecontei</i>)	Foliage-Feeders	1
Rhododendron stem borer (<i>Oberea myops</i>)	Phloem- or Wood-Borers	1
Roundheaded pine beetle (<i>Dendroctonus adjunctus</i>)	Phloem- or Wood-Borers	1
Royal palm bug (<i>Xylastodoris luteolus</i>)	Sap-Feeders	1
Rugose spiraling whitefly (<i>Aleurodicus rugioperculatus</i>)*	Sap-Feeders	1
Sawfly (<i>Neodiprion</i> spp.)	Foliage-Feeders	4
Scale insect (<i>Phalacrocooccus howertoni</i>)	Sap-Feeders	3
Silver fir beetle (<i>Pseudohylesinus sericeus</i>)	Phloem- or Wood-Borers	1
Soapberry borer (<i>Agrilus prionurus</i>)*	Phloem- or Wood-Borers	1
Southern cypress bark beetle (<i>Phloeosinus taxodii</i>)	Phloem- or Wood-Borers	3
Southern pine beetle (<i>Dendroctonus frontalis</i>)	Phloem- or Wood-Borers	12
Spruce beetle (<i>Dendroctonus rufipennis</i>)	Phloem- or Wood-Borers	6
Spruce budworm (<i>Choristoneura fumiferana</i>)	Foliage-Feeders	5
Sri Lankan weevil (<i>Myllocerus undecimpustulatus undatus</i>)*	Foliage-Feeders	1

Agent	Guild	Hosts
Sycamore borer (<i>Synanthedon respiciens</i>)	Phloem- or Wood-Borers	1
Sycamore lace bug (<i>Corythucha ciliata</i>)	Foliage-Feeders	1
Tent caterpillar (<i>Malacosoma</i> spp.)	Foliage-Feeders	6
Thousand cankers disease (<i>Geosmithia morbida</i> / <i>Pityophthorus juglandis</i>)	Phloem- or Wood-Borers	6
True fir bark beetles (<i>Scolytus dentatus</i>)	Phloem- or Wood-Borers	1
Tuliptree scale (<i>Toumeyella liriodendri</i>)	Sap-Feeders	2
Tupelo leafminer (<i>Antispila nysaeoliella</i>)	Foliage-Feeders	4
Twig beetle (<i>Pityophthorus boycei</i>)	Phloem- or Wood-Borers	1
Twig beetles (<i>Pityophthorus</i> spp.)	Phloem- or Wood-Borers	1
Twig girdler (<i>Oncideres cingulata</i>)	Phloem- or Wood-Borers	9
Twig girdler (<i>Oncideres pustulatus</i>)	Phloem- or Wood-Borers	1
Twolined chestnut borer (<i>Agrilus bilineatus</i>)	Phloem- or Wood-Borers	31
Two-spotted spider mite (<i>Tetranychus urticae</i>)	Sap-Feeders	1
Virginia pine sawfly (<i>Neodiprion pratti</i>)	Foliage-Feeders	1
Walkingstick (<i>Diapheromera femorata</i>)	Foliage-Feeders	1
Walnut caterpillar (<i>Datana integerrima</i>)	Foliage-Feeders	1
Western balsam bark beetle (<i>Dryocoetes confusus</i>)	Phloem- or Wood-Borers	2
Western hemlock looper (<i>Lambdina fiscellaria lugubrosa</i>)	Foliage-Feeders	1
Western pine beetle (<i>Dendroctonus brevicomis</i>)	Phloem- or Wood-Borers	1
Western spruce budworm (<i>Choristoneura freemani</i>)	Foliage-Feeders	7
White pine weevil (<i>Pissodes strobi</i>)	Phloem- or Wood-Borers	6
Winter moth (<i>Operophtera brumata</i>)*	Foliage-Feeders	8
Wood borer (<i>Coccotrypes rhizophorae</i>)*	Phloem- or Wood-Borers	1
Wood borer (<i>Sphaeroma terebrans</i>)*	Phloem- or Wood-Borers	1
Wood-boring beetle (<i>Dicerca horni</i>)	Phloem- or Wood-Borers	1
Yellow poplar weevil (<i>Odontopus calceatus</i>)	Foliage-Feeders	1
<u>Diseases</u>		
Alder canker (<i>Valsa melanodiscus</i>)	.	3
Anthraxnose (<i>Apiognomonina veneta</i>)	.	3
Apple mosaic virus (ApMV)	.	2
Apple scab (<i>Venturia inaequalis</i>)	.	4
Arbutus canker (<i>Natrassia mangiferae</i>)	.	2
Armillaria root disease (<i>Armillaria</i> spp.)	.	35
Artist's conk (<i>Ganoderma applanatum</i>)	.	11
Ash yellows (Candidatus <i>Phytoplasma fraxini</i>)	.	14
Bacterial leaf blight (<i>Pseudomonas lauraceum</i>)	.	1
Bacterial leaf scorch (<i>Xylella fastidiosa</i>)	.	15
Bacterial necrosis (<i>Erwinia cacticida</i>)	.	1
Bacterial spot (<i>Xanthomonas campestris</i> pv. <i>pruni</i>)	.	6
Basal canker and butt rot (<i>Kretzschmaria deusta</i>)	.	3
Beech bark disease (<i>Neonectria</i> spp./ <i>Cryptococcus fagisuga</i>)*	.	1
Birch rust (<i>Melampsorium betulinum</i>)	.	1

Agent	Guild	Hosts
Black knot (<i>Apiosporina morbosa</i>)	.	12
Black root rot (<i>Thielaviopsis basicola</i>)	.	1
Blackline (Cherry leafroll virus)	.	1
Black-stain root disease (<i>Leptographium wageneri</i>)	.	1
Blister canker (<i>Biscogniauxia marginata</i>)	.	3
Bot canker (<i>Botryosphaeria corticola</i>)	.	1
Botryosphaeria canker (<i>Botryosphaeria ribis</i>)	.	2
Broom rust (<i>Gymnosporangium libocedri</i>)	.	1
Brown cubical rot (<i>Poria sequoiae</i>)	.	1
Brown spot needle blight (<i>Mycosphaerella dearnessii</i>)	.	1
Brown trunk rot (<i>Fomitopsis officinalis</i>)	.	1
Bunch disease (Phytoplasma strains in subgroup of Prunus X-disease group)	.	2
Bur oak blight (<i>Tubakia dryina</i>)	.	1
Butt rot (<i>Hericium erinaceus</i>)	.	2
Butt rot fungi (<i>Phellinus swieteniae</i>)	.	1
Butternut canker (<i>Sirococcus clavignenti-juglandacearum</i>)*	.	1
Canadian pine scale (<i>Matsucoccus macrocitrices</i>)/ <i>Caliciopsis pinea</i> complex	.	1
Canker (<i>Cryptosphaeria pullmanensis</i>)	.	1
Canker (<i>Phytophthora cambivora</i>)	.	1
Canker disease (<i>Fusarium</i> spp.)	.	1
Canker rot of oak (<i>Inonotus andersonii</i>)	.	8
Canker-rot (<i>Inonotus</i> spp.)	.	1
Catalpa midge (<i>Cecidomyia catalpae</i>)	.	2
Cercospora blight (<i>Asperisporium sequoiae</i>)	.	7
Cercospora blight of juniper (<i>Pseudocercospora juniperi</i>)	.	3
Cherry leaf spot (<i>Blumeriella jaapii</i>)	.	12
Chestnut blight (<i>Cryphonectria parasitica</i>)*	.	3
Clitocybe root rot (<i>Armillaria tabescens</i>)	.	1
Collar rot (<i>Phytophthora siskiyouensis</i>)	.	2
Comandra blister rust (<i>Cronartium comandrae</i>)	.	5
Coral spot fungus (<i>Nectria cinnabarina</i>)	.	2
Cotton root rot (<i>Phymatotrichopsis omnivora</i>)	.	2
Crown canker and root rot (<i>Phytophthora cactorum</i>)	.	4
Crown gall (<i>Agrobacterium tumefaciens</i>)	.	2
Cytospora canker (<i>Cytospora chrysosperma</i>)	.	2
Cytospora canker of spruce (<i>Cytospora kunzei</i>)	.	1
Decay (<i>Trametes versicolor</i>)	.	2
Didymascella leaf blight (<i>Didymascella thujina</i>)	.	1
Dogwood anthracnose (<i>Discula destructiva</i>)*	.	3
Dutch elm disease (<i>Ophiostoma novo-ulmi</i>)*	.	7
Elm yellows (Candidatus <i>Phytoplasma ulmi</i>)	.	6
Elytroderma needle cast (<i>Elytroderma deformans</i>)	.	4
Endothia canker (<i>Endothia gyrosa</i>)	.	7

Agent	Guild	Hosts
European larch canker (<i>Lachnellula willkommii</i>)*	.	1
Eutypella canker (<i>Eutypella parasitica</i>)	.	3
False smut of palms (<i>Graphiloa phoenicis</i>)	.	2
Fire blight (<i>Erwinia amylovora</i>)	.	11
Foliage diseases (<i>Bifusella</i> spp.)	.	1
Fusarium wilt (<i>Fusarium oxysporum</i> f. sp. <i>rhois</i>)	.	1
Fusiform rust (<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>)	.	5
Gall disease (<i>Cylindrocarpon didymum</i>)	.	1
Gall rust (<i>Cronartium quercuum</i>)	.	3
Gall rust of Virginia pine (<i>Cronartium quercuum</i> f. sp. <i>virginianae</i>)	.	1
Ganoderma butt rot (<i>Ganoderma zonatum</i>)	.	3
Ganoderma root and butt rot (<i>Ganoderma australe</i>)	.	1
Ganoderma root and butt rot (<i>Ganoderma meredithae</i>)	.	1
Ganoderma rot of hardwoods (<i>Ganoderma lucidum</i>)	.	4
Guignardia blotch (<i>Guignardia aesculi</i>)	.	2
Hackberry witches-broom complex (<i>Podosphaera phytoptophila</i> / <i>Aceria celtis</i>)	.	2
Hawthorn rust (<i>Gymnosporangium globosum</i>)	.	1
Heart rot (<i>Flammulina velutipes</i>)	.	1
Heart rot (<i>Inonotus glomeratus</i>)	.	2
Heart rot fungi (<i>Phellinus robiniae</i>)	.	2
Heterobasidion root disease (<i>Heterobasidion</i> spp.)	.	21
Heterobasidion root disease P-type (<i>Heterobasidion irregulare</i>)	.	12
Hispidus canker (<i>Inonotus hispidus</i>)	.	4
Hornbeam anthracnose (<i>Apiosporopsis carpineae</i>)	.	1
Hypoxylon canker of aspen (<i>Entoleuca mammata</i>)	.	1
Hypoxylon canker of oak (<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>)	.	55
Indian paint fungus (<i>Echinodontium tinctorium</i>)	.	4
Juniper pocket rot (<i>Pyrofomes demidoffii</i>)	.	2
Laminated root rot (<i>Phellinus sulphurascens</i>)	.	8
Laminated root rot (<i>Phellinus weirii</i>)	.	1
Larch needle blight (<i>Hypodermella laricis</i>)	.	1
Laurel wilt (<i>Raffaelea lauricola</i>)/redbay ambrosia beetle (<i>Xyleborus glabratus</i>)*	.	3
Leaf blight and fruit rot (<i>Monilinia johnsonii</i>)	.	6
Leaf curl and witches broom (<i>Taphrina wiesneri</i>)	.	2
Leaf spot disease (<i>Cristulariella depraedans</i>)	.	1
Limb rust (<i>Cronartium arizonicum</i>)	.	1
Limb rust (<i>Cronartium</i> sp.)	.	1
Lophodermium needle cast (<i>Lophodermium</i> spp.)	.	1
Madrone canker (<i>Neofusicoccum arbuti</i>)	.	2
Melampsora leaf rust (<i>Melampsora medusae</i>)	.	1
Nectria canker (<i>Nectria ditissima</i>)	.	18
Nectria canker (<i>Nectria magnoliae</i>)	.	1
Nectria canker (<i>Nectria</i> sp.)	.	1

Agent	Guild	Hosts
Nectriella gall (<i>Nectriella pironii</i>)	.	1
Needle cast (<i>Lirula nervisequia</i> var. <i>conspicua</i>)	.	1
Nematode (<i>Rotylenchulus reniformis</i>)	.	1
Oak bracket (<i>Inonotus dryadeus</i>)	.	4
Oak wilt (<i>Bretziella fagacearum</i>)*	.	61
Persimmon wilt (<i>Acremonium diospyri</i>)	.	1
Pezicula trunk and branch cankers (<i>Pezicula subcarnea</i>)	.	1
Phytophthora disease of alders (<i>Phytophthora</i> sp.)	.	3
Phytophthora root rot (<i>Phytophthora cinnamomi</i>)*	.	8
Pinyon blister rust (<i>Cronartium occidentale</i>)	.	6
Pit canker (<i>Phytophthora inflata</i>)	.	1
Pitch canker (<i>Fusarium circinatum</i>)*	.	10
Pocket dry rot (<i>Tyromyces amarus</i>)	.	1
Poplar rust (<i>Melampsora abietis-canadensis</i>)	.	4
Poplar rust (<i>Melampsora occidentalis</i>)	.	1
Port-Orford-cedar root disease (<i>Phytophthora lateralis</i>)*	.	2
Powdery mildew (<i>Erysiphe flexuosa</i>)	.	3
Powdery mildew (<i>Phyllactinia guttata</i>)	.	1
Prunus X-disease (<i>Phytoplasma</i>)	.	2
Red heart fungus (<i>Stereum sanguinolentum</i>)	.	1
Red ring rot (<i>Phellinus pini</i> var. <i>cancriformans</i>)	.	1
Red ring rot (<i>Phellinus pini</i>)	.	3
Red ring rot canker (<i>Phenillus cancriformans</i>)	.	1
Red root and butt rot (<i>Onnia tomentosa</i>)	.	7
Red-belted fungus (<i>Fomitopsis pinicola</i>)	.	2
Root rot (<i>Cylindrocladium scoparium</i>)	.	1
Root-knot nematode (<i>Meloidogyne</i> spp.)	.	1
Rust (<i>Gymnosporangium cunninghamianum</i>)	.	3
Rust (<i>Gymnosporangium</i> spp.)	.	8
Rust (<i>Ravenelia</i> spp.)	.	1
Rust (<i>Ravenelia versatilis</i>)	.	1
Rust fungus (<i>Melampsorella caryophyllacearum</i>)	.	1
Scab and black canker of willow (<i>Venturia saliciperda</i> / <i>Glomerella miyabeana</i>)*	.	13
Schweinitzii root and butt rot (<i>Phaeolus schweinitzii</i>)	.	6
Scleroderris canker (<i>Gremmeniella abietina</i>)*	.	1
Seiridium canker (<i>Seiridium cardinale</i>)	.	13
Sooty bark canker (<i>Encoelia pruinosa</i>)	.	1
Sooty canker (<i>Fusicoccum mangiferum</i>)	.	2
Spiculosa canker (<i>Phellinus spiculosus</i>)	.	6
Stem canker (<i>Fusarium solani</i>)	.	5
Sterile conk trunk rot (<i>Inonotus obliquus</i>)	.	3
Stigmina leaf spot (<i>Stigmina palmivora</i>)	.	1
Stunt nematode (<i>Tylenchorhynchus</i> spp.)	.	1

Agent	Guild	Hosts
Sudden oak death (<i>Phytophthora ramorum</i>)*	.	12
Sycamore canker (<i>Ceratocystis fimbriata</i> f. <i>platani</i>)	.	1
Tar spot (<i>Diatractium cordianum</i>)	.	1
Texas Phoenix palm decline (Candidatus <i>Phytoplasma palmae</i>)	.	2
Thielaviopsis trunk rot (<i>Thielaviopsis paradoxa</i>)	.	3
Thyronectria canker (<i>Pleonectria austroamericana</i>)	.	2
Tinder conk (<i>Fomes fomentarius</i>)	.	1
Valsa canker and dieback (<i>Valsa abietis</i>)	.	1
Verticillium wilt (<i>Verticillium albo-atrum</i>)	.	15
Verticillium wilt (<i>Verticillium dahliae</i>)	.	4
Verticillium wilt (<i>Verticillium</i> spp.)	.	5
Western gall rust (<i>Endocronartium harknessii</i>)	.	4
White mottled rot (<i>Ganoderma</i> spp.)	.	13
White pine blister rust (<i>Cronartium ribicola</i>)*	.	9
White pine needle cast (<i>Lophodermella arcuata</i>)	.	1
White ring rot (<i>Obba rivulosa</i>)	.	1
White rot (<i>Bjerkandera adusta</i>)	.	1
White rot (<i>Phellinus badius</i>)	.	1
White rot (<i>Phellinus weirianus</i>)	.	1
White spongy rot (<i>Phellinus igniarius</i>)	.	6
Willow witches'-broom (<i>Phytoplasma</i> , members of the yellows group)	.	2
Witches broom (<i>Phytoplasma</i>)	.	1
Witches'-broom (<i>Apiosporina collinsii</i>)	.	3
Wood decay (<i>Phellinus gilvus</i>)	.	2
Wood rotting (<i>Phanerochaete tuberculata</i>)	.	1
<u>Parasitic Higher Plants</u>		
Apache dwarf mistletoe (<i>Arceuthobium apachecum</i>)	.	1
Coastal dwarf mistletoe (<i>Arceuthobium littorum</i>)	.	1
Dwarf mistletoe (<i>Arceuthobium californicum</i>)	.	1
Dwarf mistletoe (<i>Arceuthobium gillii</i>)	.	1
Dwarf mistletoe (<i>Arceuthobium monticola</i>)	.	1
Dwarf mistletoe (<i>Arceuthobium occidentale</i>)	.	2
Dwarf mistletoe (<i>Arceuthobium</i> spp.)	.	6
Eastern dwarf mistletoe (<i>Arceuthobium pusillum</i>)	.	3
Eastern mistletoe (<i>Phoradendron leucarpum</i>)	.	10
Hemlock dwarf mistletoe (<i>Arceuthobium tsugense</i>)	.	2
Juniper mistletoe (<i>Phoradendron juniperinum</i>)	.	5
Larch dwarf mistletoe (<i>Arceuthobium laricis</i>)	.	1
Limber pine dwarf mistletoe (<i>Arceuthobium cyanocarpum</i>)	.	4
Lodgepole pine dwarf mistletoe (<i>Arceuthobium americanum</i>)	.	2
Mistletoe (<i>Phoradendron bolleanum</i>)	.	6
Mistletoe (<i>Phoradendron californicum</i>)	.	8

Agent	Guild	Hosts
Pinyon dwarf mistletoe (<i>Arceuthobium divaricatum</i>)	.	7
Red fir dwarf mistletoe (<i>Arceuthobium abietinum</i> f. sp. <i>magnificae</i>)	.	2
Western dwarf mistletoe (<i>Arceuthobium campylopodum</i>)	.	3
Western spruce dwarf mistletoe (<i>Arceuthobium microcarpum</i>)	.	2

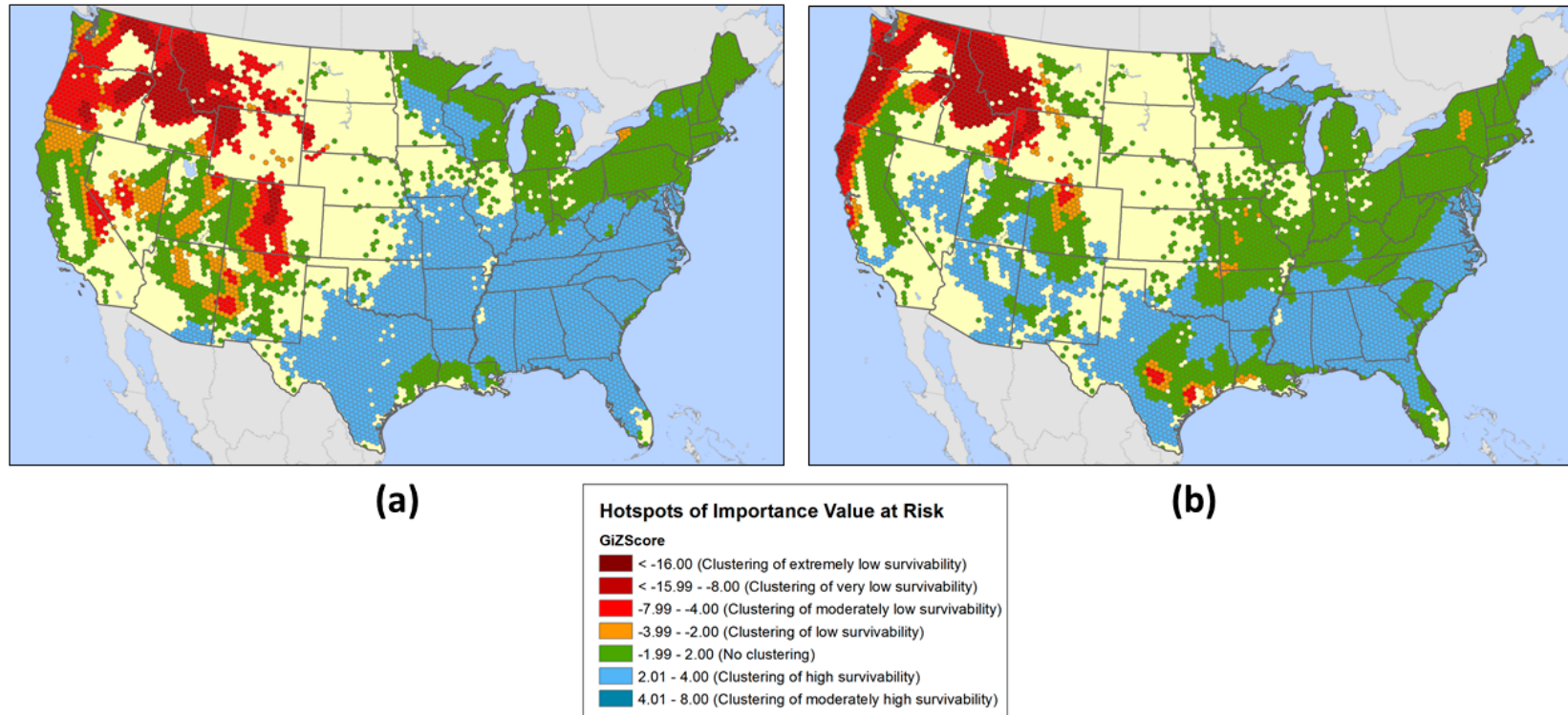


Figure S1. Hotspots of Importance Value at Risk (IVAR) for plots within 834 km² hexagons, encompassing both native and exotic insect and disease agents. G_i^* scores ≤ -2 (red) are significant clusters of low survivability scores (and therefore hotspots of IVAR, the opposite of survivability); scores >2 (blue) are significant clusters of high survivability values (coldspots of IVAR). (a) Hotspots of IVAR for insect agents. (b) Hotspots of IVAR for disease agents.

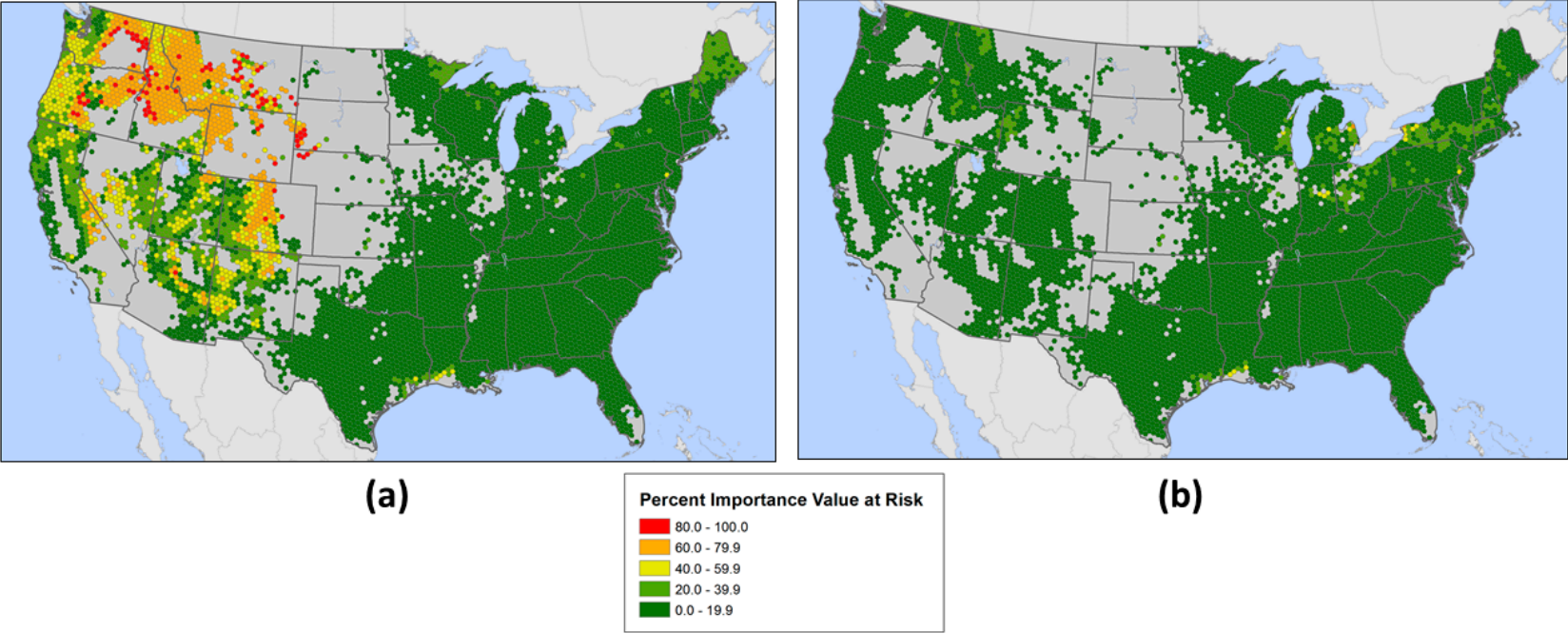


Figure S2. Mean percent host tree Importance Value at Risk (IVAR) for plots within 834 km² hexagons, encompassing insect agents. (a) IVAR for native insects. (b) IVAR for exotic insects.

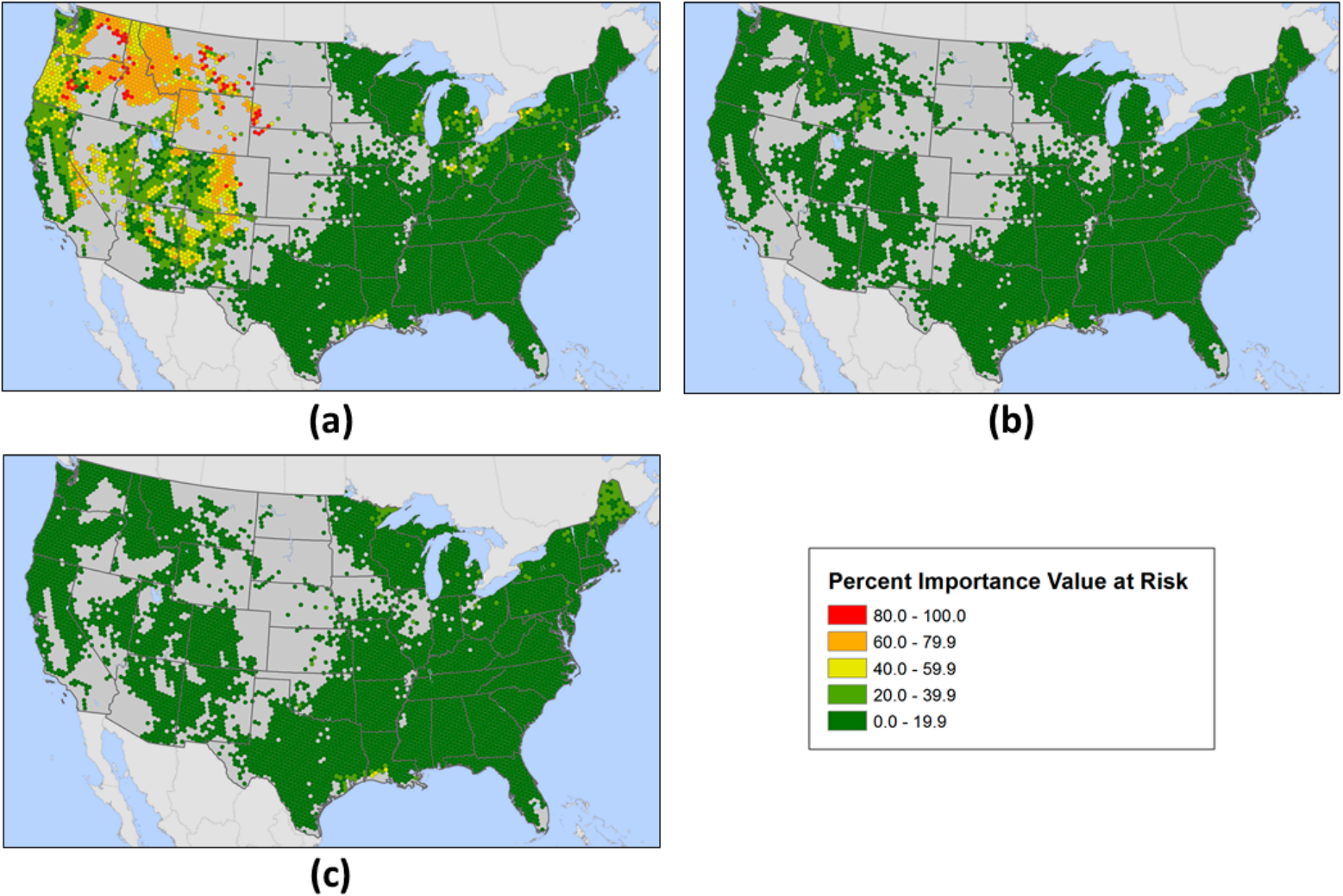


Figure S3. Mean percent host tree Importance Value at Risk (IVAR) for plots within 834 km² hexagons, encompassing insect agents. (a) IVAR for phloem- or wood-borers. (b) IVAR for sap-feeders. (c) IVAR for foliage-feeders.

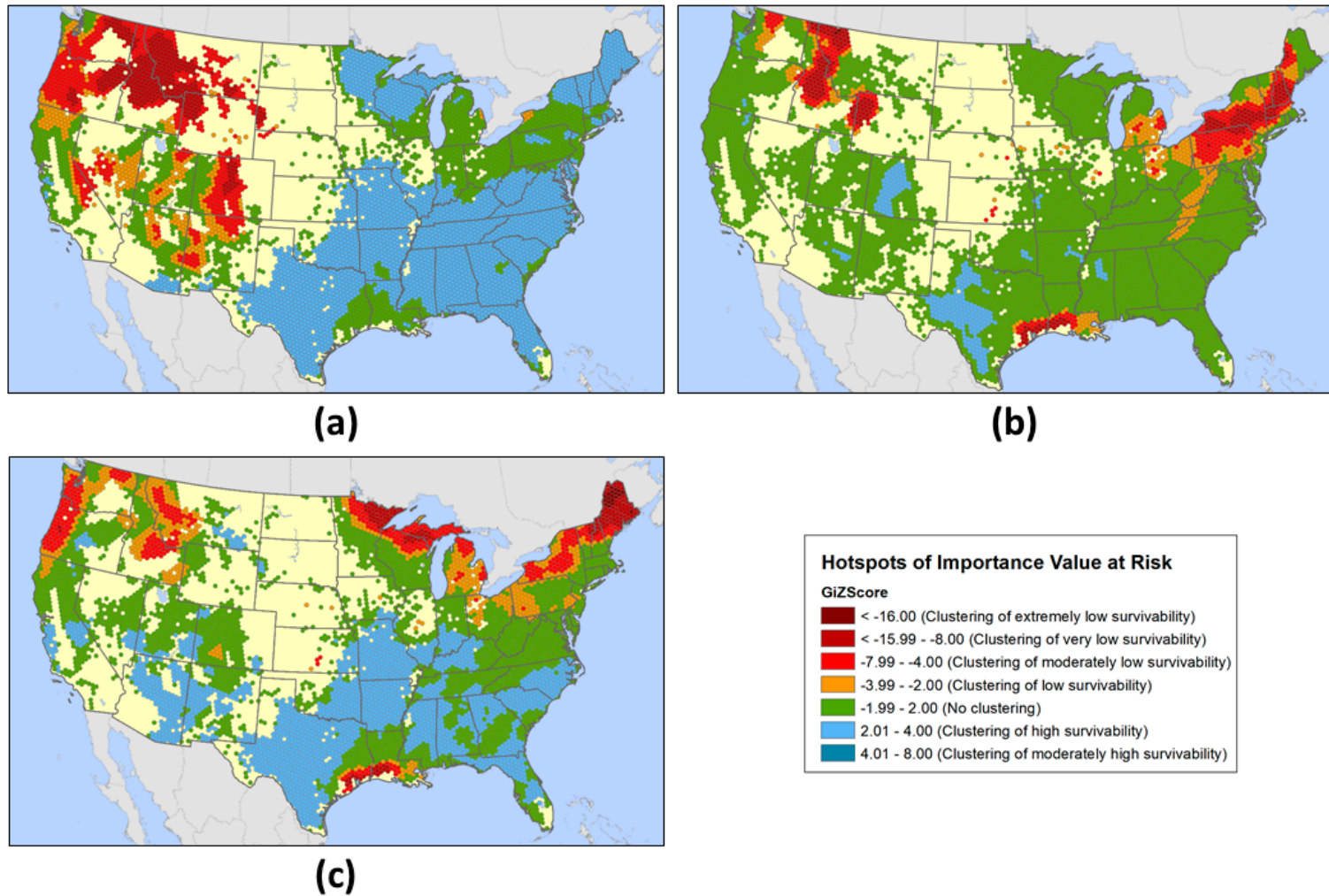


Figure S4. Hotspots of Importance Value at Risk (IVAR) for plots within 834 km² hexagons, encompassing insect agents. G_i^* scores ≤ -2 (red) are significant clusters of low survivability scores (and therefore hotspots of IVAR, the opposite of survivability); scores > 2 (blue) are significant clusters of high survivability values (coldspots of IVAR). (a) Hotspots of IVAR for phloem- or wood-borers. (b) Hotspots of IVAR for sap-feeders. (c) Hotspots of IVAR for foliage-feeders.