

Code	Common_Name	Scientific_Name	Category
	miscellaneous insects and allies	<miscellaneous insects and allies>	Miscellaneous Insects and Allies
10003	wasp	<wasp>	Miscellaneous Insects and Allies
10010	Allegheny mound ant	<i>Formica exsectoides</i>	Miscellaneous Insects and Allies
10011	ants	<Formicidae>	Miscellaneous Insects and Allies
10024	Eurytomid wasps	<i>Eurytoma</i> spp.	Miscellaneous Insects and Allies
10025	blister beetle	<Meloidae>	Miscellaneous Insects and Allies
10601	clerid beetle	<Cleridae>	Miscellaneous Insects and Allies
10602	lacewings	<lacewings>	Miscellaneous Insects and Allies
10603	blackbellied clerid	<i>Enoclerus lecontei</i>	Miscellaneous Insects and Allies
10604	redbellied clerid	<i>Enoclerus spegeus</i>	Miscellaneous Insects and Allies
10605	red wood ant	<i>Formica rufa</i>	Miscellaneous Insects and Allies
10606	western yellowjacket	<i>Vespula pennsylvanica</i>	Miscellaneous Insects and Allies
10800	other miscellaneous insect or ally, known (code pending)	<other miscellaneous insect or ally, known (code pending)>	Miscellaneous Insects and Allies
10801	other predatory insect or ally (known)	<other predatory insect or ally (known)>	Miscellaneous Insects and Allies
10900	unknown miscellaneous insect or ally	<unknown miscellaneous insect or ally>	Miscellaneous Insects and Allies
10901	unknown predator insect or ally	<unknown predator insect or ally>	Miscellaneous Insects and Allies
	bark beetles	<Scolytinae>	Bark Beetles
11001	roundheaded pine beetle	<i>Dendroctonus adjunctus</i>	Bark Beetles
11002	western pine beetle	<i>Dendroctonus brevicornis</i>	Bark Beetles
11003	southern pine beetle	<i>Dendroctonus frontalis</i>	Bark Beetles
11004	Jeffrey pine beetle	<i>Dendroctonus jeffreyi</i>	Bark Beetles
11005	lodgepole pine beetle	<i>Dendroctonus murrayanae</i>	Bark Beetles
11006	mountain pine beetle	<i>Dendroctonus ponderosae</i>	Bark Beetles
11007	Douglas-fir beetle	<i>Dendroctonus pseudotsugae</i>	Bark Beetles
11008	boreal spruce beetle	<i>Dendroctonus punctatus</i>	Bark Beetles
11009	spruce beetle	<i>Dendroctonus rufipennis</i>	Bark Beetles
11010	eastern larch beetle	<i>Dendroctonus simplex</i>	Bark Beetles
11011	black turpentine beetle	<i>Dendroctonus terebrans</i>	Bark Beetles
11012	red turpentine beetle	<i>Dendroctonus valens</i>	Bark Beetles
11013	goldhaired spruce engraver	<i>Dryocoetes affaber</i>	Bark Beetles
11014	< <i>Dryocoetes autographus</i> >	<i>Dryocoetes autographus</i>	Bark Beetles
11015	western balsam bark beetle	<i>Dryocoetes confusus</i>	Bark Beetles
11016	< <i>Dryocoetes sechelti</i> >	<i>Dryocoetes sechelti</i>	Bark Beetles
11017	ash bark beetles	<i>Hylesinus</i> spp.	Bark Beetles
11018	native elm bark beetle	<i>Hylurgopinus rufipes</i>	Bark Beetles
11019	pinyon ips	<i>Ips confusus</i>	Bark Beetles
11020	small southern pine engraver	<i>Ips avulsus</i>	Bark Beetles
11021	sixspined ips	<i>Ips calligraphus</i>	Bark Beetles
11022	emarginate ips	<i>Ips emarginatus</i>	Bark Beetles
11023	eastern fivespined ips	<i>Ips grandicollis</i>	Bark Beetles
11024	< <i>Orthotomicus latidens</i> >	<i>Orthotomicus latidens</i>	Bark Beetles
11025	Arizona fivespined ips	<i>Ips lecontei</i>	Bark Beetles
11026	false pine engraver	<i>Pseudips mexicanus</i>	Bark Beetles

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11027	California fivespined ips	<i>Ips paraconfusus</i>	Bark Beetles
11028	northern spruce engraver	<i>Ips perturbatus</i>	Bark Beetles
11029	pine engraver	<i>Ips pini</i>	Bark Beetles
11030	ips engraver beetles	<i>Ips</i> spp.	Bark Beetles
11031	lesser spruce engraver	<i>Ips tridens</i>	Bark Beetles
11032	western ash bark beetle	<i>Hylesinus californicus</i>	Bark Beetles
11033	Oregon ash bark beetle	<i>Hylesinus oregonus</i>	Bark Beetles
11034	< <i>Orthotomicus caelatus</i> >	<i>Orthotomicus caelatus</i>	Bark Beetles
11035	cedar & cypress bark beetles	<i>Phloeosinus</i> spp.	Bark Beetles
11036	western cedar bark beetle	<i>Phloeosinus punctatus</i>	Bark Beetles
11037	tip beetles	<i>Pityogenes</i> spp.	Bark Beetles
11038	< <i>Pityophthorus pseudotsugae</i> >	<i>Pityophthorus pseudotsugae</i>	Bark Beetles
11039	twig beetles	<i>Pityophthorus</i> spp.	Bark Beetles
11040	four-eyed spruce bark beetle	<i>Polygraphus rufipennis</i>	Bark Beetles
11041	fir root bark beetle	<i>Pseudohylesinus granulatus</i>	Bark Beetles
11042	< <i>Pseudohylesinus dispar</i> >	<i>Pseudohylesinus dispar</i>	Bark Beetles
11043	Douglas-fir pole beetle	<i>Pseudohylesinus nebulosus</i>	Bark Beetles
11044	silver fir beetle	<i>Pseudohylesinus sericeus</i>	Bark Beetles
11045	smaller European elm bark beetle	<i>Scolytus multistriatus</i>	Bark Beetles
11046	spruce limb engraver	<i>Scolytus piceae</i>	Bark Beetles
11047	hickory bark beetle	<i>Scolytus quadrispinosus</i>	Bark Beetles
11048	true fir bark beetles	<i>Scolytus</i> spp.	Bark Beetles
11049	Douglas-fir engraver	<i>Scolytus unispinosus</i>	Bark Beetles
11050	fir engraver	<i>Scolytus ventralis</i>	Bark Beetles
11052	Sitka spruce engraver	<i>Pseudips concinnus</i>	Bark Beetles
11053	four-eyed bark beetle	<i>Polygraphus</i> spp.	Bark Beetles
11054	hemlock beetle	<i>Pseudohylesinus tsugae</i>	Bark Beetles
11055	southern spruce engraver	<i>Ips pilifrons</i>	Bark Beetles
11056	smaller Mexican pine beetle	<i>Dendroctonus mexicanus</i>	Bark Beetles
11057	banded elm bark beetle	<i>Scolytus schevyrewi</i>	Bark Beetles
11059	southern cypress beetle	<i>Phloeosinus taxodii</i>	Bark Beetles
11060	Mediterranean pine engraver	<i>Orthotomicus erosus</i>	Bark Beetles
11061	European bark beetle ( <i>H. opacus</i> )	<i>Hylastes opacus</i>	Bark Beetles
11062	redhaired pine bark beetle	<i>Hylurgus ligniperda</i>	Bark Beetles
11063	blue spruce engraver	<i>Ips hunteri</i>	Bark Beetles
11064	European spruce bark beetle	<i>Ips typographus</i>	Bark Beetles
11065	European silver fir beetle	<i>Pityokteines curvidens</i>	Bark Beetles
11066	walnut twig beetle	<i>Pityophthorus juglandis</i>	Bark Beetles
11067	aspen bark beetle ( <i>Trypophloeus</i> )	<i>Trypophloeus populi</i>	Bark Beetles
11068	aspen bark beetle ( <i>Procryphalus</i> )	<i>Procryphalus mucronatus</i>	Bark Beetles
11800	other bark beetle, known (code pending)	<other bark beetle, known (code pending)>	Bark Beetles
11900	unknown bark beetle	<unknown bark beetle>	Bark Beetles
	defoliators	<defoliators>	Defoliators

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12001	casebearer	<casebearer>	Defoliators
12002	leaftier	<leaftier>	Defoliators
12003	loopers	<loopers>	Defoliators
12004	needleminers	<needleminers>	Defoliators
12005	sawflies	<Symphyta>	Defoliators
12006	skeletonizer	<skeletonizer>	Defoliators
12007	larger elm leaf beetle	<i>Monocesta coryli</i>	Defoliators
12008	spanworm	<spanworm>	Defoliators
12009	webworm	<webworm>	Defoliators
12010	pine false webworm	<i>Acantholyda erythrocephala</i>	Defoliators
12011	western blackheaded budworm	<i>Acleris gloverana</i>	Defoliators
12012	eastern blackheaded budworm	<i>Acleris variana</i>	Defoliators
12013	whitefly	<Aleyrodidae>	Defoliators
12014	fall cankerworm	<i>Alsophila pometaria</i>	Defoliators
12015	alder flea beetle	<i>Macrohaltica ambiens</i>	Defoliators
12016	mountain mahogany looper	<i>Anacamptodes clivinaria profanata</i>	Defoliators
12017	birch leaffolder	<i>Ancylis discigerana</i>	Defoliators
12018	oak worms	<i>Anisota</i> spp.	Defoliators
12019	orangestriped oakworm	<i>Anisota senatoria</i>	Defoliators
12020	western larch sawfly	<i>Anoplonyx occidens</i>	Defoliators
12021	fruittree leafroller	<i>Archips argyrospila</i>	Defoliators
12022	uglynest caterpillar	<i>Archips cerasivorana</i>	Defoliators
12023	boxelder defoliator	<i>Archips negundanus</i>	Defoliators
12024	oak leafroller	<i>Archips semiferana</i>	Defoliators
12025	birch sawfly	<i>Arge pectoralis</i>	Defoliators
12026	arborvitae leafminer	<i>Argyresthia thuiella</i>	Defoliators
12028	Texas leafcutting ant	<i>Atta texana</i>	Defoliators
12029	oak skeletonizer	<i>Bucculatrix ainsliella</i>	Defoliators
12030	pear sawfly	<i>Caliroa cerasi</i>	Defoliators
12031	scarlet oak sawfly	<i>Caliroa quercuscoccineae</i>	Defoliators
12032	elm calligrapha	<i>Calligrapha scalaris</i>	Defoliators
12033	boxelder leafroller	<i>Caloptilia negundella</i>	Defoliators
12034	maple petiole borer	<i>Caulocampus acericaulis</i>	Defoliators
12035	spruce webspinning sawfly	<i>Cephalcia fascipennis</i>	Defoliators
12036	two-year-cycle budworm	<i>Choristoneura biennis</i>	Defoliators
12037	large aspen tortrix	<i>Choristoneura conflictana</i>	Defoliators
12038	spruce budworm	<i>Choristoneura fumiferana</i>	Defoliators
12039	western pine budworm	<i>Choristoneura lambertiana</i>	Defoliators
12040	western spruce budworm	<i>Choristoneura freemani</i>	Defoliators
12041	jack pine budworm	<i>Choristoneura pinus</i>	Defoliators
12042	Modoc budworm	<i>Choristoneura retiniana</i>	Defoliators
12043	aspen leaf beetle	<i>Chrysomela crotchii</i>	Defoliators
12044	cottonwood leaf beetle	<i>Chrysomela scripta</i>	Defoliators

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12046	poplar tentmaker	<i>Clostera inclusa</i>	Defoliators
12047	larch casebearer	<i>Coleophora laricella</i>	Defoliators
12048	birch casebearer	<i>Coleophora serratella</i>	Defoliators
12049	lodgepole needleminer	<i>Coleotechnites milleri</i>	Defoliators
12050	Gelechiid moths/needleminers	<i>Coleotechnites</i> spp.	Defoliators
12051	Black Hills pandora moth	<i>Coloradia doris</i>	Defoliators
12052	pandora moth	<i>Coloradia pandora</i>	Defoliators
12053	sycamore lace bug	<i>Corythucha ciliata</i>	Defoliators
12054	lace bugs	<i>Corythucha</i> spp.	Defoliators
12055	oak leaftier	<i>Croesia semipurpurana</i>	Defoliators
12056	dusky birch sawfly	<i>Croesus latitarsus</i>	Defoliators
12057	walnut caterpillar	<i>Datana integerrima</i>	Defoliators
12058	yellownecked caterpillar	<i>Datana ministra</i>	Defoliators
12059	walkingstick	<i>Diapheromera femorata</i>	Defoliators
12061	introduced pine sawfly	<i>Diprion similis</i>	Defoliators
12062	greenstriped mapleworm	<i>Dryocampa rubicunda</i>	Defoliators
12064	elm spanworm	<i>Ennomos subsignaria</i>	Defoliators
12065	maple trumpet skeletonizer	<i>Epinotia aceriella</i>	Defoliators
12066	white fir needleminer	<i>Epinotia meritana</i>	Defoliators
12067	linden looper	<i>Erannis tiliaria</i>	Defoliators
12068	browntail moth	<i>Euproctis chrysorrhoea</i>	Defoliators
12069	pine needleminer	<i>Exoteleia pinifoliella</i>	Defoliators
12070	birch leafminer	<i>Fenusa pusilla</i>	Defoliators
12071	elm leafminer	<i>Kaliofenusa ulmi</i>	Defoliators
12072	geometrid moth	<Geometridae>	Defoliators
12073	leafblotch miner	<Gracillariidae>	Defoliators
12074	spotted tussock moth	<i>Lophocampa maculata</i>	Defoliators
12075	pale tussock moth	<i>Lophocampa tessellaris</i>	Defoliators
12076	hesperiid moth	<i>Hasora chromus</i>	Defoliators
12077	brown day moth	<i>Hemileuca eglanterina</i>	Defoliators
12078	buck moth	<i>Hemileuca maia</i>	Defoliators
12079	saddled prominent	<i>Heterocampa guttivitta</i>	Defoliators
12080	variable oakleaf caterpillar	<i>Lochmaeus manteo</i>	Defoliators
12081	cherry scallop shell moth	<i>Hydria prunivorata</i>	Defoliators
12082	fall webworm	<i>Hyphantria cunea</i>	Defoliators
12083	hemlock looper	<i>Lambdina fiscellaria</i>	Defoliators
12084	oak looper	<i>Lambdina punctata</i>	Defoliators
12085	tent caterpillar moth	<Lasiocampidae>	Defoliators
12086	satin moth	<i>Leucoma salicis</i>	Defoliators
12087	willow leafblotch miner	<i>Lithocolletis</i> spp.	Defoliators
12088	aspen blotchminer	<i>Phyllonorycter tremuloidiella</i>	Defoliators
12089	gypsy moth	<i>Lymantria dispar</i>	Defoliators
12090	cottonwood leafminers	<i>Lyonetia</i> spp.	Defoliators

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12091	dogwood sawfly	<i>Macremphytus tarsatus</i>	Defoliators
12092	rose chafer	<i>Macrodactylus subspinosus</i>	Defoliators
12093	eastern tent caterpillar	<i>Malacosoma americanum</i>	Defoliators
12094	western tent caterpillar	<i>Malacosoma californicum</i>	Defoliators
12095	Pacific tent caterpillar	<i>Malacosoma constrictum</i>	Defoliators
12096	forest tent caterpillar	<i>Malacosoma disstria</i>	Defoliators
12097	southwestern tent caterpillar	<i>Malacosoma incurvum</i>	Defoliators
12098	leafcutting bees	<Megachilidae>	Defoliators
12100	early birch leaf edgeminer	<i>Messa nana</i>	Defoliators
12101	juniper sawfly	<i>Monoctenus fulvus</i>	Defoliators
12102	common sawflies	<i>Nematus</i> spp.	Defoliators
12103	balsam fir sawfly	<i>Neodiprion abietis</i>	Defoliators
12104	lodgepole sawfly	<i>Neodiprion burkei</i>	Defoliators
12105	blackheaded pine sawfly	<i>Neodiprion excitans</i>	Defoliators
12106	pine infesting sawflies	<i>Neodiprion fulviceps</i> sp. complex	Defoliators
12107	redheaded pine sawfly	<i>Neodiprion lecontei</i>	Defoliators
12109	ponderosa pine sawfly	<i>Neodiprion mundus</i>	Defoliators
12110	white pine sawfly	<i>Neodiprion pinetum</i>	Defoliators
12111	jack pine sawfly	<i>Neodiprion pratti banksianae</i>	Defoliators
12112	Virginia pine sawfly	<i>Neodiprion pratti pratti</i>	Defoliators
12113	European pine sawfly	<i>Neodiprion sertifer</i>	Defoliators
12114	loblolly pine sawfly	<i>Neodiprion taedae linearis</i>	Defoliators
12115	hemlock sawfly	<i>Neodiprion tsugae</i>	Defoliators
12116	pine butterfly	<i>Neophasia menapia</i>	Defoliators
12117	false hemlock looper	<i>Nepytia canosaria</i>	Defoliators
12119	locust leafminer	<i>Odontota dorsalis</i>	Defoliators
12120	Bruce spanworm	<i>Operophtera bruceata</i>	Defoliators
12121	rusty tussock moth	<i>Orgyia antiqua</i>	Defoliators
12122	whitemarked tussock moth	<i>Orgyia leucostigma</i>	Defoliators
12123	Douglas-fir tussock moth	<i>Orgyia pseudotsugata</i>	Defoliators
12124	western tussock moth	<i>Orgyia vetusta</i>	Defoliators
12125	spring cankerworm	<i>Paleacrita vernata</i>	Defoliators
12126	black citrus swallowtail butterfly	<i>Papilio polytes</i>	Defoliators
12127	maple leafcutter	<i>Paraclemensia acerifoliella</i>	Defoliators
12128	pine tussock moth	<i>Dasychira pinicola</i>	Defoliators
12129	poinciana looper	<i>Pericyma cruegeri</i>	Defoliators
12130	half-wing geometer	<i>Phigalia titea</i>	Defoliators
12131	Phoberia moth	<i>Phoberia atomaris</i>	Defoliators
12132	California oakworm	<i>Phryganidia californica</i>	Defoliators
12133	European snout beetle	<i>Phyllobius oblongus</i>	Defoliators
12134	citrus leafminer	<i>Phyllocnistis citrella</i>	Defoliators
12135	aspen leafminer	<i>Phyllocnistis populiella</i>	Defoliators
12136	yellowheaded spruce sawfly	<i>Pikonema alaskensis</i>	Defoliators

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12137	tenlined June beetle	<i>Polyphylla decemlineata</i>	Defoliators
12138	Japanese beetle	<i>Popillia japonica</i>	Defoliators
12139	larch sawfly	<i>Pristiphora erichsonii</i>	Defoliators
12140	mountain-ash sawfly	<i>Pristiphora geniculata</i>	Defoliators
12141	elm leaf beetle	<i>Xanthogaleruca luteola</i>	Defoliators
12142	spear-marked black moth	<i>Rheumaptera hastata</i>	Defoliators
12143	giant silkworm moth	<Saturniidae>	Defoliators
12144	redhumped caterpillar	<i>Schizura concinna</i>	Defoliators
12145	redbanded thrips	<i>Selenothrips rubrocinctus</i>	Defoliators
12146	green larch looper	<i>Semiothisa sexmaculata</i>	Defoliators
12147	maple leafroller	<i>Sparganothis acerivorana</i>	Defoliators
12148	redhumped oakworm	<i>Symmerista canicosta</i>	Defoliators
12149	orangehumped mapleworm	<i>Symmerista leucitys</i>	Defoliators
12150	spruce needleminer	<i>Taniva albolineana</i>	Defoliators
12151	maple webworm	<i>Tetralopha asperatella</i>	Defoliators
12152	pine webworm	<i>Pococera robustella</i>	Defoliators
12153	introduced basswood thrips	<i>Thrips calcaratus</i>	Defoliators
12154	bagworm	<i>Thyridopteryx ephemeraeformis</i>	Defoliators
12155	leafroller/seed moth	<Tortricidae> [leafroller / seed moth]	Defoliators
12157	euonymus caterpillar	<i>Yponomeuta</i> spp.	Defoliators
12158	spruce bud moth	<i>Zeiraphera canadensis</i>	Defoliators
12159	larch bud moth	<i>Zeiraphera improbana</i>	Defoliators
12160	pine needle sheathminer	<i>Zelleria haimbachi</i>	Defoliators
12161	cypress looper	<i>Anacamptodes pergracilis</i>	Defoliators
12162	Chrysomela leaf beetle	<i>Chrysomela</i> spp.	Defoliators
12163	pine colaspis	<i>Colaspis pini</i>	Defoliators
12164	saddleback looper	<i>Ectropis crepuscularia</i>	Defoliators
12165	birch leafroller	<i>Epinotia solandriana</i>	Defoliators
12166	New Mexico fir looper	<i>Galenara consimilis</i>	Defoliators
12167	striped alder sawfly	<i>Hemichroa crocea</i>	Defoliators
12168	greenstriped looper	<i>Melanolophia imitata</i>	Defoliators
12169	willow leaf blotchminer	<i>Micrurapteryx salicifoliella</i>	Defoliators
12170	pine sawfly	<i>Neodiprion autumnalis</i>	Defoliators
12171	pinyon sawfly	<i>Neodiprion eduliculus</i>	Defoliators
12172	< <i>Neodiprion gillettei</i> >	<i>Neodiprion gillettei</i>	Defoliators
12173	< <i>Neodiprion ventralis</i> >	<i>Neodiprion ventralis</i>	Defoliators
12174	pine looper	<i>Phaeoura mexicanaria</i>	Defoliators
12175	< <i>Zadiprion rohweri</i> >	<i>Zadiprion rohweri</i>	Defoliators
12176	bull pine sawfly	<i>Zadiprion townsendi</i>	Defoliators
12177	Douglas-fir budmoth	<i>Zeiraphera hesperiana</i>	Defoliators
12178	western oak looper	<i>Lambdina fiscellaria somnaria</i>	Defoliators
12179	phantom hemlock looper	<i>Nepytia phantasmaria</i>	Defoliators
12180	tent caterpillars	<i>Malacosoma</i> spp.	Defoliators



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12181	Abbot's sawfly	<i>Neodiprion abbotii</i>	Defoliators
12182	slash pine sawfly	<i>Neodiprion merkei</i>	Defoliators
12183	sand pine sawfly	<i>Neodiprion pratti</i>	Defoliators
12184	melaleuca leaf weevil	<i>Oxyops vitiosa</i>	Defoliators
12185	cypress leaf beetle	<i>Systema marginalis</i>	Defoliators
12186	< <i>Nepytia janetae</i> >	<i>Nepytia janetae</i>	Defoliators
12187	agromyzid fly	<i>Agromyza viridula</i>	Defoliators
12188	elm sawfly	<i>Cimbex americana</i>	Defoliators
12190	hickory tussock moth	<i>Lophocampa caryae</i>	Defoliators
12191	pin oak sawfly	<i>Caliroa lineata</i>	Defoliators
12192	palmerworm	<i>Dichomeris ligulella</i>	Defoliators
12193	pitch pine looper	<i>Lambdina athasaria pellucidaria</i>	Defoliators
12194	red pine sawfly	<i>Neodiprion nanulus nanulus</i>	Defoliators
12195	pine tube moth	<i>Argyrotaenia pinatubana</i>	Defoliators
12196	baldcypress leafroller	<i>Archips goyerana</i>	Defoliators
12197	winter moth	<i>Operophtera brumata</i>	Defoliators
12198	basswood thrips	<i>Neohydatothrips tiliae</i>	Defoliators
12199	noctuid moth	<i>Xylomyges simplex</i>	Defoliators
12200	ash leafroller	<i>Palpa magniferalis</i>	Defoliators
12201	Pacific silver fir budmoth	<i>Zeiraphera</i> spp.	Defoliators
12202	red pine needle midge	<i>Thecodiplosis piniresinosae</i>	Defoliators
12203	western hemlock looper	<i>Lambdina fiscellaria lugubrosa</i>	Defoliators
12204	lodgepole pine sawfly	<i>Neodiprion nanulus contortae</i>	Defoliators
12205	silverspotted tiger moth	<i>Lophocampa argentata</i>	Defoliators
12206	green alder sawfly	<i>Monsoma pulveratum</i>	Defoliators
12207	conifer sawflies	<i>Neodiprion</i> spp.	Defoliators
12208	ambermarked birch leafminer	<i>Profenusa thomsoni</i>	Defoliators
12209	cycad blue butterfly	<i>Chilades pandava</i>	Defoliators
12210	European elm flea weevil	<i>Orchestes alni</i>	Defoliators
12211	eucalyptus snout beetle	<i>Gonipterus scutellatus</i>	Defoliators
12212	European pine needle midge	<i>Contarinia baeri</i>	Defoliators
12213	European spruce needleminer	<i>Epinotia nanana</i>	Defoliators
12214	European web-spinning larch sawfly	<i>Cephalcia lariciphila</i>	Defoliators
12215	imported willow leaf beetle	<i>Plagiodera versicolora</i>	Defoliators
12216	mimosa webworm	<i>Homadaula anisocentra</i>	Defoliators
12217	poplar sawfly	<i>Trichiocampus viminalis</i>	Defoliators
12218	red gum lerp psyllid	<i>Glycaspis brimblecombei</i>	Defoliators
12219	European spruce sawfly	<i>Gilpinia hercyniae</i>	Defoliators
12220	mountain-mahogany moth	<i>Ethmia discostrigella</i>	Defoliators
12221	Myoporum thrips	<i>Klambothrips myopori</i>	Defoliators
12222	koa looper moth	<i>Scotorythra paludicola</i>	Defoliators
12223	bare-patched oak leafroller	<i>Pseudexentera spoliata</i>	Defoliators
12224	Chinese rose beetle	<i>Adoretus sinicus</i>	Defoliators

Code	Common_Name	Scientific_Name	Category
12225	rose beetle	<i>Adoretus versutus</i>	Defoliators
12226	coconut hispid beetle	<i>Brontispa longissima</i>	Defoliators
12227	green rose chafer	<i>Dichelonyx backi</i>	Defoliators
12228	stick insect	<i>Graeffea crouanii</i>	Defoliators
12229	< <i>Hulodes caranea</i> >	<i>Hulodes caranea</i>	Defoliators
12230	bagworm moth	<Psychidae>	Defoliators
12231	Palau coconut beetle	<i>Brontispa palauensis</i>	Defoliators
12232	madrone thrips	<i>Thrips madronii</i>	Defoliators
12233	thrips	<Thysanoptera>	Defoliators
12234	fall hardwood defoliator complex	<fall hardwood defoliator complex>	Defoliators
12235	aroga moth	<i>Aroga websteri</i>	Defoliators
12236	aspen twoleaf tier	<i>Enargia decolor</i>	Defoliators
12237	early aspen Leafroller	<i>Pseudexentera oregonana</i>	Defoliators
12238	cottonwood leafblotch miner	<i>Phyllonorycter nipigan</i>	Defoliators
12239	tamarisk leaf beetles	<i>Diorhabda</i> spp.	Defoliators
12240	mountain girdle	<i>Enypia griseatta</i>	Defoliators
12241	box-elder tussock moth	<i>Orgyia leuschneri</i>	Defoliators
12242	spruce budworm (C. orae)	<i>Choristoneura orae</i>	Defoliators
12300	budworm	<budworms>	Defoliators
12800	other defoliator, known (code pending)	<other defoliator, known (code pending)>	Defoliators
12900	unknown defoliator	<unknown defoliator>	Defoliators
	other chewing insects and allies	<other chewing insects and allies>	Other Chewing Insects and Allies
13001	grasshopper	<grasshopper>	Other Chewing Insects and Allies
13002	shorthorn grasshoppers	<Acrididae>	Other Chewing Insects and Allies
13003	black cutworm	<i>Agrotis ipsilon</i>	Other Chewing Insects and Allies
13005	clearwinged grasshopper	<i>Camnula pellucida</i>	Other Chewing Insects and Allies
13008	< <i>Euxoa excellens</i> >	<i>Euxoa excellens</i>	Other Chewing Insects and Allies
13009	whitefringed beetles	<i>Graphognathus</i> spp.	Other Chewing Insects and Allies
13011	vegetable weevil	<i>Listroderes difficilis</i>	Other Chewing Insects and Allies
13013	migratory grasshopper	<i>Melanoplus sanguinipes</i>	Other Chewing Insects and Allies
13014	valley grasshopper	<i>Oedaleonotus enigma</i>	Other Chewing Insects and Allies
13015	strawberry root weevil	<i>Otiorhynchus ovatus</i>	Other Chewing Insects and Allies
13016	black vine weevil	<i>Otiorhynchus sulcatus</i>	Other Chewing Insects and Allies
13017	pandanus beetle	<i>Oxycephala pandani</i>	Other Chewing Insects and Allies
13018	spaeth pandanus	<i>Oxycephala spaethi</i>	Other Chewing Insects and Allies
13019	agamemnon butterfly	<i>Papilio agamemnon</i>	Other Chewing Insects and Allies
13022	pine needle weevil	<i>Scythropus</i> spp.	Other Chewing Insects and Allies
13023	coconut longhorned grasshopper	<i>Segestes unicolor</i>	Other Chewing Insects and Allies
13024	clover root curculio	<i>Sitona hispidulus</i>	Other Chewing Insects and Allies
13027	shorthorned grasshopper	<i>Valanga nigricornis</i>	Other Chewing Insects and Allies
13031	Asiatic oak weevil	<i>Cyrtopistomus castaneus</i>	Other Chewing Insects and Allies
13032	weevil	<Curculionidae>	Other Chewing Insects and Allies
13033	Caroline shortnosed weevil	<i>Lophothetes</i> spp.	Other Chewing Insects and Allies



Code	Common_Name	Scientific_Name	Category
13034	conifer seedling weevil	<i>Steremnius carinatus</i>	Other Chewing Insects and Allies
13800	other chewing insect or ally, known (code pending)	<other chewing insect or ally, known (code pending)>	Other Chewing Insects and Allies
13900	unknown chewing insect or ally	<unknown chewing insect or ally>	Other Chewing Insects and Allies
	sap feeders	<sap feeders>	Sap Feeders
14001	scale insects	<Coccodidea>	Sap Feeders
14002	western larch woolly aphid	<i>Adelges oregonensis</i>	Sap Feeders
14003	balsam woolly adelgid	<i>Adelges piceae</i>	Sap Feeders
14004	hemlock woolly adelgid	<i>Adelges tsugae</i>	Sap Feeders
14005	spiraling whitefly	<i>Aleurodicus dispersus</i>	Sap Feeders
14006	aphid	<Aphididae>	Sap Feeders
14007	pine spittlebug	<i>Aphrophora cribrata</i>	Sap Feeders
14008	western pine spittlebug	<i>Aphrophora permutata</i>	Sap Feeders
14009	Saratoga spittlebug	<i>Aphrophora saratogensis</i>	Sap Feeders
14010	spittlebug	<Cercopidae>	Sap Feeders
14011	wax scale	<i>Ceroplastes</i> spp.	Sap Feeders
14012	pine needle scale	<i>Chionaspis pinifoliae</i>	Sap Feeders
14014	giant conifer aphids	<i>Cinara</i> spp.	Sap Feeders
14015	white pine aphid	<i>Cinara strobi</i>	Sap Feeders
14016	beech scale	<i>Cryptococcus fagisuga</i>	Sap Feeders
14017	spruce aphid	<i>Elatobium abietinum</i>	Sap Feeders
14018	woolly apple aphid	<i>Eriosoma lanigerum</i>	Sap Feeders
14019	striped mealybug	<i>Ferrisia virgata</i>	Sap Feeders
14020	elongate hemlock scale	<i>Fiorinia externa</i>	Sap Feeders
14021	coconut red scale	<i>Furcaspis oceanica</i>	Sap Feeders
14022	pine thrips	<i>Gnophothrips</i> spp.	Sap Feeders
14023	leucaena psyllid	<i>Heteropsylla cubana</i>	Sap Feeders
14024	honeysuckle aphids	<i>Hyadaphis tataricae</i>	Sap Feeders
14025	Egyptian fluted scale	<i>Icerya aegyptiaca</i>	Sap Feeders
14026	Lecanium scale	<i>Lecanium</i> spp.	Sap Feeders
14027	common falsepit scale	<i>Lecanodiaspis prosopidis</i>	Sap Feeders
14028	oystershell scale	<i>Lepidosaphes ulmi</i>	Sap Feeders
14029	pinyon needle scale	<i>Matsucoccus acalyptus</i>	Sap Feeders
14030	ponderosa pine twig scale	<i>Matsucoccus bisetosus</i>	Sap Feeders
14031	pine twig scale	<i>Matsucoccus californicus</i>	Sap Feeders
14032	ponderosa pine scale	<i>Matsucoccus degeneratus</i>	Sap Feeders
14033	red pine scale	<i>Matsucoccus resinosae</i>	Sap Feeders
14034	Prescott scale	<i>Matsucoccus vexillorum</i>	Sap Feeders
14035	treehoopers	<Membracidae>	Sap Feeders
14036	hibiscus psyllid	<i>Mesohomotoma hibisci</i>	Sap Feeders
14037	balsam twig aphid	<i>Mindarus abietinus</i>	Sap Feeders
14038	hibiscus mealybug	<i>Nipaecoccus viridis</i>	Sap Feeders
14039	black pineleaf scale	<i>Nuculaspis californica</i>	Sap Feeders
14040	spruce spider mite	<i>Oligonychus ununquius</i>	Sap Feeders

Code	Common_Name	Scientific_Name	Category
14042	woolly alder aphid	<i>Paraprociophilus tessellatus</i>	Sap Feeders
14043	maple aphids	<i>Periphyllus</i> spp.	Sap Feeders
14044	spruce bud scale	<i>Physokermes piceae</i>	Sap Feeders
14045	red pine adelgid	<i>Pineus bormeri</i>	Sap Feeders
14046	pine leaf adelgid	<i>Pineus pinifoliae</i>	Sap Feeders
14048	pine bark adelgid	<i>Pineus strobi</i>	Sap Feeders
14049	smoky-winged ash aphid	<i>Prociphilus americanus</i>	Sap Feeders
14050	mealybug	<Pseudococcidae>	Sap Feeders
14051	cottony maple scale	<i>Pulvinaria innumerabilis</i>	Sap Feeders
14052	fir mealybug	<i>Puto cupressi</i>	Sap Feeders
14053	Douglas-fir mealybug	<i>Puto profusus</i>	Sap Feeders
14054	spruce mealybug	<i>Puto sandini</i>	Sap Feeders
14055	hemispherical scale	<i>Saissetia coffeae</i>	Sap Feeders
14056	woolly pine needle aphid	<i>Schizolachnus piniradiatae</i>	Sap Feeders
14057	steatococcus scale	<i>Steatococcus samariae</i>	Sap Feeders
14058	pear thrips	<i>Taeniothrips inconsequens</i>	Sap Feeders
14059	mulberry whitefly	<i>Tetraleurodes mori</i>	Sap Feeders
14060	tuliptree scale	<i>Toumeyella liriodendri</i>	Sap Feeders
14061	pine tortoise scale	<i>Toumeyella parvicornis</i>	Sap Feeders
14062	citrus snow scale	<i>Unaspis citri</i>	Sap Feeders
14063	birch aphid	<i>Euceraphis betulae</i>	Sap Feeders
14064	Kermes scale	<i>Allokermes</i> spp.	Sap Feeders
14065	Casuarina spittlebug	<i>Clastoptera undulata</i>	Sap Feeders
14066	giant bark aphid	<i>Longistigma caryae</i>	Sap Feeders
14067	woolly pine scale	<i>Pseudophilippia quaintancii</i>	Sap Feeders
14068	European elm scale	<i>Gossyparia spuria</i>	Sap Feeders
14069	elm scurfy scale	<i>Chionaspis americana</i>	Sap Feeders
14070	magnolia scale	<i>Neolecanium cornuparvum</i>	Sap Feeders
14071	beech blight aphid	<i>Fagiphagus imbricator</i>	Sap Feeders
14072	beech woolly aphid	<i>Phyllaphis fagi</i>	Sap Feeders
14073	Asian cycad scale	<i>Aulacaspis yasumatsui</i>	Sap Feeders
14074	European fruit lecanium scale	<i>Parthenolecanium corni</i>	Sap Feeders
14075	lobate lac scale	<i>Paratachardina lobata</i>	Sap Feeders
14076	calico scale	<i>Eulecanium cerasorum</i>	Sap Feeders
14077	California red scale	<i>Aonidiella aurantii</i>	Sap Feeders
14078	circular hemlock scale	<i>Nuculaspis tsugae</i>	Sap Feeders
14079	cottony cushion scale	<i>Icerya purchasi</i>	Sap Feeders
14080	eucalyptus psyllid	<i>Blastopsylla occidentalis</i>	Sap Feeders
14081	golden oak scale	<i>Asterolecanium variolosum</i>	Sap Feeders
14082	juniper scale	<i>Carulaspis juniperi</i>	Sap Feeders
14083	pink hibiscus mealybug	<i>Maconellicoccus hirsutus</i>	Sap Feeders
14084	San Jose scale	<i>Diaspidiotus perniciosus</i>	Sap Feeders
14085	oak pit scale A. minus	<i>Asterolecanium minus</i>	Sap Feeders

Code	Common_Name	Scientific_Name	Category
14086	bluegum psyllid	<i>Ctenarytaina eucalypti</i>	Sap Feeders
14087	linden aphid	<i>Eucallipterus tiliae</i>	Sap Feeders
14088	Norway maple aphid	<i>Periphyllus lyropictus</i>	Sap Feeders
14089	camphor scale	<i>Pseudaonidia duplex</i>	Sap Feeders
14090	spotted lanternfly	<i>Lycorma delicatula</i>	Sap Feeders
14091	ash whitefly	<i>Siphoninus phillyreae</i>	Sap Feeders
14093	ash plant bug	<i>Tropidosteptes amoenus</i>	Sap Feeders
14094	coconut scale	<i>Aspidiotus destructor</i>	Sap Feeders
14095	leafhopper	<Cicadellidae>	Sap Feeders
14096	California tortoiseshell	<i>Nymphalis californica</i>	Sap Feeders
14097	tarnished plant bug	<i>Lygus lineolaris</i>	Sap Feeders
14800	other sap feeder, known (code pending)	<other sap feeder, known (code pending)>	Sap Feeders
14900	unknown sap feeder	<unknown sap feeder>	Sap Feeders
	wood borers	<wood borers>	Wood Borers
15001	shoot borers	<shoot borers>	Wood Borers
15002	termites	<Termitidae>	Wood Borers
15003	ponderosa pine bark borer	<i>Acanthocinus princeps</i>	Wood Borers
15004	bronze birch borer	<i>Agrilus anxius</i>	Wood Borers
15005	twolined chestnut borer	<i>Agrilus bilineatus</i>	Wood Borers
15006	bronze poplar borer	<i>Agrilus liragus</i>	Wood Borers
15007	carpenter bees	<Apidae>	Wood Borers
15008	flatheaded borer	<Buprestidae>	Wood Borers
15009	golden buprestid	<i>Buprestis aurulenta</i>	Wood Borers
15010	carpenter ants	<i>Camponotus</i> spp.	Wood Borers
15011	gouty pitch midge	<i>Cecidomyia piniinopis</i>	Wood Borers
15012	shootboring sawflies	<Cephidae>	Wood Borers
15013	roundheaded borer	<Cerambycidae>	Wood Borers
15014	flatheaded appletree borer	<i>Chrysobothris femorata</i>	Wood Borers
15016	Columbian timber beetle	<i>Corthylus columbianus</i>	Wood Borers
15017	pitted ambrosia beetle	<i>Corthylus punctatissimus</i>	Wood Borers
15018	carpenterworm moths	<Cossidae>	Wood Borers
15019	poplar-and-willow borer	<i>Cryptorhynchus lapathi</i>	Wood Borers
15022	Zimmerman pine moth	<i>Dioryctria zimmermani</i>	Wood Borers
15025	lesser cornstalk borer	<i>Elasmopalpus lignosellus</i>	Wood Borers
15026	red oak borer	<i>Enaphalodes rufulus</i>	Wood Borers
15027	ponderous borer	<i>Ergates spiculatus</i>	Wood Borers
15030	Eucosma shoot borers	<i>Eucosma</i> spp.	Wood Borers
15031	sugar maple borer	<i>Glycobius speciosus</i>	Wood Borers
15032	Goes longhorn beetles	<i>Goes</i> spp.	Wood Borers
15035	powderpost beetles	<Lyctidae>	Wood Borers
15037	bark weevils	<i>Magdalis</i> spp.	Wood Borers
15038	white pine barkminer moth	<i>Marmara fasciella</i>	Wood Borers
15039	locust borer	<i>Megacyllene robiniae</i>	Wood Borers

Code	Common_Name	Scientific_Name	Category
15040	California flatheaded borer	<i>Phaenops californica</i>	Wood Borers
15041	flatheaded fir borer	<i>Phaenops drummondi</i>	Wood Borers
15042	whitespotted sawyer	<i>Monochamus scutellatus</i>	Wood Borers
15043	redheaded ash borer	<i>Neoclytus acuminatus</i>	Wood Borers
15044	western ash borer	<i>Neoclytus conjunctus</i>	Wood Borers
15045	oberea shoot borers	<i>Oberea</i> spp.	Wood Borers
15046	eucalyptus longhorned borer ( <i>P. semipunctata</i> )	<i>Phoracantha semipunctata</i>	Wood Borers
15047	northern pine weevil	<i>Pissodes approximatus</i>	Wood Borers
15048	balsam bark weevil	<i>Pissodes striatulus</i>	Wood Borers
15049	Monterey pine weevil	<i>Pissodes radiatae</i>	Wood Borers
15052	ambrosia beetles	<i>Platypus</i> spp.	Wood Borers
15053	cottonwood borer	<i>Plectrodera scalator</i>	Wood Borers
15054	balsam shootboring sawfly	<i>Pleroneura brunneicornis</i>	Wood Borers
15055	pine gall weevil	<i>Podapion gallicola</i>	Wood Borers
15056	ash borer	<i>Podosesia syringae fraxini</i>	Wood Borers
15057	ash borer / lilac borer	<i>Podosesia syringae</i>	Wood Borers
15058	carpenterworm	<i>Prionoxystus robiniae</i>	Wood Borers
15059	maple shoot borers	<i>Proteoteras</i> spp.	Wood Borers
15060	western subterranean termite	<i>Reticulitermes hesperus</i>	Wood Borers
15061	coconut trunk weevil	<i>Rhabdoscelus asperipennis</i>	Wood Borers
15062	New Guinea sugarcane weevil	<i>Rhabdoscelus obscurus</i>	Wood Borers
15068	poplar borer	<i>Saperda calcarata</i>	Wood Borers
15069	roundheaded appletree borer	<i>Saperda candida</i>	Wood Borers
15070	Saperda shoot borer	<i>Saperda</i> spp.	Wood Borers
15071	clearwing moths	<Sesiidae>	Wood Borers
15072	dogwood borer	<i>Synanthedon scitula</i>	Wood Borers
15073	roundheaded fir borer	<i>Tetropium abietis</i>	Wood Borers
15074	western larch borer	<i>Tetropium velutinum</i>	Wood Borers
15075	western cedar borer	<i>Trachykele blondeli</i>	Wood Borers
15076	Douglas-fir pitch moth	<i>Synanthedon novaroensis</i>	Wood Borers
15077	sequoia pitch moth	<i>Synanthedon sequoiae</i>	Wood Borers
15078	black twig borer	<i>Xylosandrus compactus</i>	Wood Borers
15079	Pacific dampwood termite	<i>Zootermopsis angusticollis</i>	Wood Borers
15081	granulate ambrosia beetle	<i>Xylosandrus crassiusculus</i>	Wood Borers
15082	Asian longhorned beetle	<i>Anoplophora glabripennis</i>	Wood Borers
15084	southern pine sawyer	<i>Monochamus titillator</i>	Wood Borers
15085	banded ash borer	<i>Neoclytus caprea</i>	Wood Borers
15086	Sitka spruce weevil	<i>Pissodes sitchensis</i>	Wood Borers
15087	emerald ash borer	<i>Agrilus planipennis</i>	Wood Borers
15088	hemlock borer	<i>Melanophila fulvoguttata</i>	Wood Borers
15089	Formosan subterranean termite	<i>Coptotermes formosanus</i>	Wood Borers
15090	sirex woodwasp	<i>Sirex noctilio</i>	Wood Borers
15091	Oregon fir sawyer	<i>Monochamus scutellatus oregonensis</i>	Wood Borers

Code	Common_Name	Scientific_Name	Category
15092	cypress weevil	<i>Eudociminus mannerheimii</i>	Wood Borers
15093	camphor shot borer	<i>Cnestus mutilatus</i>	Wood Borers
15094	goldspotted oak borer	<i>Agrilus auroguttatus</i>	Wood Borers
15095	European oak borer	<i>Agrilus sulcicollis</i>	Wood Borers
15096	black stem borer	<i>Xylosandrus germanus</i>	Wood Borers
15097	< <i>Icosium tomentosum</i> >	<i>Icosium tomentosum</i>	Wood Borers
15098	cherry bark tortrix	<i>Enarmonia formosana</i>	Wood Borers
15099	eucalyptus longhorned borer ( <i>P. recurva</i> )	<i>Phoracantha recurva</i>	Wood Borers
15100	Japanese cedar longhorn beetle	<i>Callidellum rufipenne</i>	Wood Borers
15101	peach twig borer	<i>Anarsia lineatella</i>	Wood Borers
15102	soapberry borer	<i>Agrilus prionurus</i>	Wood Borers
15103	oak splendor beetle	<i>Agrilus biguttatus</i>	Wood Borers
15104	polyphagous shot hole borer	<i>Euwallacea</i> nov. sp.	Wood Borers
15105	oak twig pruner	<i>Anelaphus parallelus</i>	Wood Borers
15106	horntails	<Siricidae>	Wood Borers
15107	striped ambrosia beetle	<i>Trypodendron lineatum</i>	Wood Borers
15108	redbay ambrosia beetle	<i>Xyleborus glabratus</i>	Wood Borers
15109	eastern poplar buprestid	<i>Poecilota cyanipes</i>	Wood Borers
15110	flatheaded poplar borer	<i>Dicerca tenebrica</i>	Wood Borers
15111	Mexican goldspotted oak borer	<i>Agrilus coxalis</i>	Wood Borers
15800	other wood borer, known (code pending)	<other wood borer, known (code pending)>	Wood Borers
15900	unknown wood borer	<unknown wood borer>	Wood Borers
	seed/cone/flower/fruit feeders	<seed/cone/flower/fruit feeders>	Seed/Cone/Flower/Fruit Feeders
16001	Douglas-fir cone moth	<i>Barbara colfaxiana</i>	Seed/Cone/Flower/Fruit Feeders
16002	lodgepole cone beetle	<i>Conophthorus contortae</i>	Seed/Cone/Flower/Fruit Feeders
16003	limber pine cone beetle	<i>Conophthorus flexilis</i>	Seed/Cone/Flower/Fruit Feeders
16004	mountain pine cone beetle	<i>Conophthorus monticolae</i>	Seed/Cone/Flower/Fruit Feeders
16005	ponderosa pine cone beetle	<i>Conophthorus ponderosae</i>	Seed/Cone/Flower/Fruit Feeders
16006	Monterey pine cone beetle	<i>Conophthorus radiatae</i>	Seed/Cone/Flower/Fruit Feeders
16007	red pine cone beetle	<i>Conophthorus resinosae</i>	Seed/Cone/Flower/Fruit Feeders
16008	white pine cone beetle	<i>Conophthorus coniperda</i>	Seed/Cone/Flower/Fruit Feeders
16009	black walnut curculio	<i>Conotrachelus retentus</i>	Seed/Cone/Flower/Fruit Feeders
16010	Douglas-fir cone gall midge	<i>Contarinia oregonensis</i>	Seed/Cone/Flower/Fruit Feeders
16011	Douglas-fir cone scale midge	<i>Contarinia washingtonensis</i>	Seed/Cone/Flower/Fruit Feeders
16012	acorn/nut weevils	<i>Curculio</i> spp.	Seed/Cone/Flower/Fruit Feeders
16013	Caroline fruitfly	<i>Dacus frauenfeldi</i>	Seed/Cone/Flower/Fruit Feeders
16014	spruce bud midge	<i>Dasineura swainei</i>	Seed/Cone/Flower/Fruit Feeders
16015	fir coneworm	<i>Dioryctria abietivorella</i>	Seed/Cone/Flower/Fruit Feeders
16016	southern pine coneworm	<i>Dioryctria amatella</i>	Seed/Cone/Flower/Fruit Feeders
16017	ponderosa pine coneworm	<i>Dioryctria auranticella</i>	Seed/Cone/Flower/Fruit Feeders
16018	loblolly pine coneworm	<i>Dioryctria merkeli</i>	Seed/Cone/Flower/Fruit Feeders
16019	ponderosa twig moth	<i>Dioryctria ponderosae</i>	Seed/Cone/Flower/Fruit Feeders
16020	< <i>Dioryctria pseudotsugella</i> >	<i>Dioryctria pseudotsugella</i>	Seed/Cone/Flower/Fruit Feeders

Code	Common_Name	Scientific_Name	Category
16021	Dioryctria moths	<i>Dioryctria</i> spp.	Seed/Cone/Flower/Fruit Feeders
16022	lodgpole cone moth	<i>Eucosma rescissoriana</i>	Seed/Cone/Flower/Fruit Feeders
16023	seed chalcid	<Eurytomidae>	Seed/Cone/Flower/Fruit Feeders
16024	slash pine flower thrips	<i>Gnophothrips fuscus</i>	Seed/Cone/Flower/Fruit Feeders
16025	white spruce cone maggot	<i>Strobilomyia neanthracina</i>	Seed/Cone/Flower/Fruit Feeders
16026	longleaf pine seed worm or moth	<i>Laspeyresia ingens</i>	Seed/Cone/Flower/Fruit Feeders
16027	ponderosa pine seed moth	<i>Laspeyresia piperana</i>	Seed/Cone/Flower/Fruit Feeders
16028	spruce seed moth	<i>Cydia strobilella</i>	Seed/Cone/Flower/Fruit Feeders
16029	boxelder bug	<i>Boisea trivittata</i>	Seed/Cone/Flower/Fruit Feeders
16030	leaffooted pine seed bug	<i>Leptoglossus corculus</i>	Seed/Cone/Flower/Fruit Feeders
16031	western conifer-seed bug	<i>Leptoglossus occidentalis</i>	Seed/Cone/Flower/Fruit Feeders
16032	hollyhock thrips	<i>Liothrips varicornis</i>	Seed/Cone/Flower/Fruit Feeders
16033	subalpine fir seed chalcid	<i>Megastigmus lasiocarpae</i>	Seed/Cone/Flower/Fruit Feeders
16034	spruce seed chalcid	<i>Megastigmus piceae</i>	Seed/Cone/Flower/Fruit Feeders
16035	pine seed chalcid	<i>Megastigmus albifrons</i>	Seed/Cone/Flower/Fruit Feeders
16036	fir seed chalcid	<i>Megastigmus pinus</i>	Seed/Cone/Flower/Fruit Feeders
16037	Douglas-fir seed chalcid	<i>Megastigmus spermatrophus</i>	Seed/Cone/Flower/Fruit Feeders
16038	yellow poplar weevil	<i>Odontopus calceatus</i>	Seed/Cone/Flower/Fruit Feeders
16039	fruitpiercing moth	<i>Othreis fullonia</i>	Seed/Cone/Flower/Fruit Feeders
16040	roundheaded cone borer	<i>Paratimia conicola</i>	Seed/Cone/Flower/Fruit Feeders
16041	mango shoot caterpillar	<i>Penicillaria jocosatrix</i>	Seed/Cone/Flower/Fruit Feeders
16042	coneworm ( <i>Phycitinae</i> )	<Phycitinae>	Seed/Cone/Flower/Fruit Feeders
16043	harvester ants	<i>Pogonomyrmex</i> spp.	Seed/Cone/Flower/Fruit Feeders
16044	citrus flower moth	<i>Prays citri</i>	Seed/Cone/Flower/Fruit Feeders
16045	fir cone maggot	<i>Strobilomyia abietis</i>	Seed/Cone/Flower/Fruit Feeders
16046	spruce cone maggot	<i>Strobilomyia anthracina</i>	Seed/Cone/Flower/Fruit Feeders
16047	shieldbacked pine seed bug	<i>Tetyra bipunctata</i>	Seed/Cone/Flower/Fruit Feeders
16049	prairie tent caterpillar	<i>Malacosoma lutescens</i>	Seed/Cone/Flower/Fruit Feeders
16050	jack pine tip beetle	<i>Conophthorus banksianae</i>	Seed/Cone/Flower/Fruit Feeders
16051	webbing coneworm	<i>Dioryctria disclusa</i>	Seed/Cone/Flower/Fruit Feeders
16052	blister coneworm	<i>Dioryctria clarioralis</i>	Seed/Cone/Flower/Fruit Feeders
16053	southern cone gall midge	<i>Cecidomyia bisetosa</i>	Seed/Cone/Flower/Fruit Feeders
16054	seed bugs	<Lygaeidae>	Seed/Cone/Flower/Fruit Feeders
16055	spruce coneworm	<i>Dioryctria reniculelloides</i>	Seed/Cone/Flower/Fruit Feeders
16800	other seed/cone/flower/fruit feeder, known (code pending)	<other seed/cone/flower/fruit feeder, known (code pending)>	Seed/Cone/Flower/Fruit Feeders
16900	unknown seed/cone/flower/fruit feeder	<unknown seed/cone/flower/fruit feeder>	Seed/Cone/Flower/Fruit Feeders
	gallmakers	<gallmakers>	Gallmakers
17001	birch budgall mite	<i>Aceria rudis</i>	Gallmakers
17002	eastern spruce gall adelgid	<i>Adelges abietis</i>	Gallmakers
17003	Cooley spruce gall adelgid	<i>Adelges cooleyi</i>	Gallmakers
17004	horned oak gall	<i>Callirhytis cornigera</i>	Gallmakers
17005	oak gall wasp	<i>Callirhytis quercusfutilis</i>	Gallmakers
17006	gall midge	<Cecidomyiidae>	Gallmakers



Code	Common_Name	Scientific_Name	Category
17007	Douglas-fir needle midge	<i>Contarinia pseudotsugae</i>	Gallmakers
17008	gall mite	<Eriophyidae>	Gallmakers
17009	spruce gall midge	<i>Mayetiola piceae</i>	Gallmakers
17010	hackberry nipplegall maker	<i>Pachypsylla celtidismamma</i>	Gallmakers
17011	balsam gall midge	<i>Paradiplosis tumifex</i>	Gallmakers
17012	hickory gall phylloxera	<i>Phylloxera caryaecaulis</i>	Gallmakers
17013	gall aphid	<Phylloxeridae>	Gallmakers
17014	alder gall mite	<i>Phytoptus laevis</i>	Gallmakers
17015	psyllid	<Psyllidae>	Gallmakers
17016	sugarberry psyllid	<i>Tetragonocephela flava</i>	Gallmakers
17017	mountain apple psyllid	<i>Trioza vitiensis</i>	Gallmakers
17019	spider mites	<i>Oligonychus</i> spp.	Gallmakers
17020	cypress gall midges	<i>Taxodiomyia</i> spp.	Gallmakers
17021	jumping oak gall wasp	<i>Neuroterus saltatorius</i>	Gallmakers
17022	erythrina gall wasp	<i>Quadrastichus erythrinae</i>	Gallmakers
17023	chestnut gall wasp	<i>Dryocosmus kuriphilus</i>	Gallmakers
17024	crypt gall wasp	<i>Callirhytis ceropteroides</i>	Gallmakers
17800	other gallmaker, known (code pending)	<other gallmaker, known (code pending)>	Gallmakers
17900	unknown gallmaker	<unknown gallmaker>	Gallmakers
	terminal shoot, twig, and root feeders	<terminal shoot, twig, and root feeders>	Terminal Shoot, Twig, and Root Feeders
18006	pine tip moths	<pine tip moths>	Terminal Shoot, Twig, and Root Feeders
18007	conifer swift moth	<i>Korsheltellus gracilis</i>	Terminal Shoot, Twig, and Root Feeders
18008	coconut rhinoceros beetle	<i>Oryctes rhinoceros</i>	Terminal Shoot, Twig, and Root Feeders
18009	scarab	<Scarabaeidae>	Terminal Shoot, Twig, and Root Feeders
18010	june beetle	<i>Phyllophaga</i> spp.	Terminal Shoot, Twig, and Root Feeders
18011	pales weevil	<i>Hylobius pales</i>	Terminal Shoot, Twig, and Root Feeders
18012	periodical cicada	<i>Magicicada septendecim</i>	Terminal Shoot, Twig, and Root Feeders
18013	northern pitch twig moth	<i>Petrova albicapitana</i>	Terminal Shoot, Twig, and Root Feeders
18014	ponderosa pine tip moth	<i>Rhyacionia zozana</i>	Terminal Shoot, Twig, and Root Feeders
18015	pitch-eating weevil	<i>Pachylobius picivorus</i>	Terminal Shoot, Twig, and Root Feeders
18016	eastern pine weevil	<i>Pissodes nemorensis</i>	Terminal Shoot, Twig, and Root Feeders
18017	adana tip moth	<i>Rhyacionia adana</i>	Terminal Shoot, Twig, and Root Feeders
18018	twig girdler	<i>Oncideres cingulata</i>	Terminal Shoot, Twig, and Root Feeders
18019	cranberry girdler	<i>Chrysoteuchia topiaria</i>	Terminal Shoot, Twig, and Root Feeders
18020	pine reproduction weevil	<i>Cylindrocopturus eatoni</i>	Terminal Shoot, Twig, and Root Feeders
18021	Douglas-fir twig weevil	<i>Cylindrocopturus furnissi</i>	Terminal Shoot, Twig, and Root Feeders
18022	oak twig borers	<i>Anelaphus</i> spp.	Terminal Shoot, Twig, and Root Feeders
18023	twig pruner	<i>Anelaphus villosus</i>	Terminal Shoot, Twig, and Root Feeders
18024	eastern pine shoot borer	<i>Eucosma gloriola</i>	Terminal Shoot, Twig, and Root Feeders
18025	western pine shoot borer	<i>Eucosma sonomana</i>	Terminal Shoot, Twig, and Root Feeders
18026	pine root collar weevil	<i>Hylobius radialis</i>	Terminal Shoot, Twig, and Root Feeders
18027	Warren root collar weevil	<i>Hylobius warreni</i>	Terminal Shoot, Twig, and Root Feeders
18028	Engelmann spruce weevil	<i>Pissodes strobi</i>	Terminal Shoot, Twig, and Root Feeders

Code	Common_Name	Scientific_Name	Category
18029	lodgepole terminal weevil	<i>Pissodes terminalis</i>	Terminal Shoot, Twig, and Root Feeders
18030	European pine shoot moth	<i>Rhyacionia buoliana</i>	Terminal Shoot, Twig, and Root Feeders
18031	western pine tip moth	<i>Rhyacionia bushnelli</i>	Terminal Shoot, Twig, and Root Feeders
18032	Nantucket pine tip moth	<i>Rhyacionia frustrana</i>	Terminal Shoot, Twig, and Root Feeders
18033	lodgepole pine tip moth	<i>Rhyacionia montana</i>	Terminal Shoot, Twig, and Root Feeders
18034	southwestern pine tip moth	<i>Rhyacionia neomexicana</i>	Terminal Shoot, Twig, and Root Feeders
18035	subtropical pine tip moth	<i>Rhyacionia subtropica</i>	Terminal Shoot, Twig, and Root Feeders
18036	cottonwood twig borer	<i>Gypsonoma haimbachiana</i>	Terminal Shoot, Twig, and Root Feeders
18037	pine shoot beetle	<i>Tomicus piniperda</i>	Terminal Shoot, Twig, and Root Feeders
18038	palmetto weevil	<i>Rynchophorus cruentatus</i>	Terminal Shoot, Twig, and Root Feeders
18039	cicadas	<Cicadidae>	Terminal Shoot, Twig, and Root Feeders
18800	other terminal shoot, twig, or root feeder, known (code pending)	<other terminal shoot, twig, or root feeder, known (code pending)>	Terminal Shoot, Twig, and Root Feeders
18900	unknown terminal shoot, twig, or root feeder	<unknown terminal shoot, twig, or root feeder>	Terminal Shoot, Twig, and Root Feeders
	miscellaneous diseases	<miscellaneous diseases>	Miscellaneous Diseases
20001	damping-off	<damping-off>	Miscellaneous Diseases
20002	gray mold	<i>Botrytis cinerea</i>	Miscellaneous Diseases
20005	virus	<virus>	Miscellaneous Diseases
20006	coconut cadang-cadang viroid	CCCvd (246-mecleotide form)	Miscellaneous Diseases
20007	western X-disease phytoplasma	western X-disease phytoplasma	Miscellaneous Diseases
20008	elm phloem necrosis	<i>Candidatus Phytoplasma ulmi</i>	Miscellaneous Diseases
20009	tobacco mosaic virus	<tobacco mosaic virus>	Miscellaneous Diseases
20010	tobacco ringspot virus	<i>Nepovirus TRSV</i>	Miscellaneous Diseases
20011	fire blight	<i>Erwinia amylovora</i>	Miscellaneous Diseases
	root diseases/decay	Root Diseases/Decay	Root Diseases / Decay
21001	Armillaria root disease	<i>Armillaria</i> spp.	Root Diseases / Decay
21002	yellow stringy rot	<i>Scytinostroma galactinum</i>	Root Diseases / Decay
21003	Cylindrocladium root disease	<i>Cylindrocladium</i> spp.	Root Diseases / Decay
21004	brown crumbly rot (red belt fungus)	<i>Fomitopsis pinicola</i>	Root Diseases / Decay
21005	black root rot of pine	<i>Fusarium oxysporum</i>	Root Diseases / Decay
21006	Fusarium root rot	<i>Fusarium</i> spp.	Root Diseases / Decay
21007	white mottled rot	<i>Ganoderma</i> spp.	Root Diseases / Decay
21008	Ganoderma rot of hardwoods	<i>Ganoderma lucidum</i>	Root Diseases / Decay
21009	Ganoderma rot of conifers	<i>Ganoderma tsugae</i>	Root Diseases / Decay
21010	Heterobasidion root disease	<i>Heterobasidion</i> spp.	Root Diseases / Decay
21011	circinatus root rot	<i>Onnia circinata</i>	Root Diseases / Decay
21012	tomentosus root rot/false velvet top fungus	<i>Onnia tomentosa</i>	Root Diseases / Decay
21013	charcoal root rot	<i>Macrophomina phaseolina</i>	Root Diseases / Decay
21014	black stain root disease	<i>Leptographium wagneri</i>	Root Diseases / Decay
21015	Schweinitzii root and butt rot	<i>Phaeolus schweinitzii</i>	Root Diseases / Decay
21016	flame tree root disease	<i>Phellinus noxius</i>	Root Diseases / Decay
21017	laminated root rot	<i>Phellinus sulphurascens</i>	Root Diseases / Decay
21019	littleleaf disease / Phytophthora root rot	<i>Phytophthora cinnamomi</i>	Root Diseases / Decay
21020	Port-Orford-cedar root disease	<i>Phytophthora lateralis</i>	Root Diseases / Decay

Code	Common_Name	Scientific_Name	Category
21022	Pythium root rot	<i>Pythium</i> spp.	Root Diseases / Decay
21023	procera root disease of conifers	<i>Leptographium procereum</i>	Root Diseases / Decay
21025	borealis conk	<i>Climacocystis borealis</i>	Root Diseases / Decay
21026	yellow pitted rot	<i>Hericium abietis</i>	Root Diseases / Decay
21027	brown cubical rot	<i>Laetiporus sulphureus</i>	Root Diseases / Decay
21029	Rhizina root disease	<i>Rhizina undulata</i>	Root Diseases / Decay
21030	yellow root rot	<i>Perenniporia subacida</i>	Root Diseases / Decay
21031	brown top rot	<i>Fomitopsis cajanderi</i>	Root Diseases / Decay
21033	pocket dry rot	<i>Tyromyces amarus</i>	Root Diseases / Decay
21034	Phytophthora disease of alder	<i>Phytophthora alni</i>	Root Diseases / Decay
21035	Douglas-fir black stain root disease	<i>Leptographium wageneri</i> var. <i>pseudotsugae</i>	Root Diseases / Decay
21036	pine black stain root disease	<i>Leptographium wageneri</i> var. <i>ponderosum</i>	Root Diseases / Decay
21037	Heterobasidion root disease P-type	<i>Heterobasidion irregulare</i>	Root Diseases / Decay
21038	Heterobasidion root disease S-type	<i>Heterobasidion occidentale</i>	Root Diseases / Decay
21039	heart rot	<heart rot>	Root Diseases / Decay
21040	stem rot	<stem rot>	Root Diseases / Decay
21041	sap rot	<sap rot>	Root Diseases / Decay
21042	gray brown sap rot	<i>Cryptoporus volvatus</i>	Root Diseases / Decay
21043	red rot	<i>Dichomitus squalens</i>	Root Diseases / Decay
21044	Indian paint fungus	<i>Echinodontium tinctorium</i>	Root Diseases / Decay
21045	Fusarium cortical stem rot	<i>Gibberella avenacea</i>	Root Diseases / Decay
21046	canker rot of oak	<i>Inonotus hispidus</i>	Root Diseases / Decay
21047	spongy white birch tree rot	<i>Inonotus obliquus</i>	Root Diseases / Decay
21048	ash heart rot	<i>Perenniporia fraxinophila</i>	Root Diseases / Decay
21049	red ring rot	<i>Porodaedalea pini</i>	Root Diseases / Decay
21050	aspen trunk rot	<i>Phellinus tremulae</i>	Root Diseases / Decay
21051	stem decay of black walnut	<i>Phellinus weirianus</i>	Root Diseases / Decay
21052	brown trunk rot / quinine fungus	<i>Laricifomes officinalis</i>	Root Diseases / Decay
21053	wet rot / cellar fungus	<i>Coniophora puteana</i>	Root Diseases / Decay
21054	tinder fungus	<i>Fomes fomentarius</i>	Root Diseases / Decay
21055	purple conk	<i>Trichaptum abietinum</i>	Root Diseases / Decay
21056	pinyon black stain root disease	<i>Leptographium wageneri</i>	Root Diseases / Decay
21057	white trunk rot of conifers	<i>Phellinus hartigii</i>	Root Diseases / Decay
21058	false tinder fungus	<i>Phellinus igniarius</i>	Root Diseases / Decay
21059	robustus conk	<i>Fomitiporia robusta</i>	Root Diseases / Decay
21060	yellow cap fungus	<i>Pholiota alnicola</i>	Root Diseases / Decay
21061	oyster mushroom	<i>Pleurotus ostreatus</i>	Root Diseases / Decay
21062	white ring rot	<i>Physisporinus rivulosus</i>	Root Diseases / Decay
21063	cedar brown pocket rot	<i>Postia serieomollis</i>	Root Diseases / Decay
21064	sterile conk of maple and beech	<i>Inonotus glomeratus</i>	Root Diseases / Decay
21065	birch conk	<i>Piptoporus betulinus</i>	Root Diseases / Decay
21066	red ring rot canker	<i>Porodaedalea cancriformans</i>	Root Diseases / Decay
21067	bacterial wetwood	<i>Enterobacter nimipressuralis</i>	Root Diseases / Decay

Code	Common_Name	Scientific_Name	Category
21068	artist's conk	<i>Ganoderma applanatum</i>	Root Diseases / Decay
21069	Phytophthora spp.	<Phytophthora spp.>	Root Diseases / Decay
21800	other root disease or decay, known (code pending)	<other root disease or decay, known (code pending)>	Root Diseases / Decay
21900	unknown root disease or decay	<unknown root disease or decay >	Root Diseases / Decay
	cankers	<cankers>	Cankers
22006	black knot of cherry	<i>Apiosporina morbosa</i>	Cankers
22007	atropellis canker	<i>Atropellis piniphila</i>	Cankers
22008	Siberian elm canker	<i>Botryodiplodia hypodermia</i>	Cankers
22009	Botryosphaeria canker	<i>Botryosphaeria ribis</i>	Cankers
22010	black rot fungus	<i>Botryosphaeria stevensii</i>	Cankers
22011	Caliciopsis canker	<i>Caliciopsis pinea</i>	Cankers
22012	black canker of aspen	<i>Ceratocystis populicola</i>	Cankers
22013	Sycamore canker	<i>Ceratocystis fimbriata</i> f. sp. <i>platani</i>	Cankers
22023	chestnut blight	<i>Cryphonectria parasitica</i>	Cankers
22025	Cryptosphaeria canker of aspen	<i>Cryptosphaeria ligniota</i>	Cankers
22026	Cytospora canker of fir	<i>Cytospora abietis</i>	Cankers
22029	sooty bark canker	<i>Encoelia pruinosa</i>	Cankers
22030	Eutypella canker	<i>Eutypella parasitica</i>	Cankers
22032	pitch canker of pines	<i>Gibberella circinata</i>	Cankers
22033	Fusicoccum canker/constriction canker	<i>Phomopsis amygdali</i>	Cankers
22034	Scleroderris canker	<i>Gremmeniella abietina</i>	Cankers
22037	Hypoxyton canker of oak	<i>Biscogniauxia atropunctata</i> var. <i>atropunctata</i>	Cankers
22038	Hypoxyton canker of aspen	<i>Entoleuca mammata</i>	Cankers
22041	European larch canker	<i>Lachnellula willkommii</i>	Cankers
22042	beech bark disease complex	<beech bark disease complex>	Cankers
22043	Nectria canker	<i>Neonectria ditissima</i>	Cankers
22050	Phomopsis canker of Douglas-fir	<i>Phomopsis occulta</i>	Cankers
22051	Phomopsis canker	<i>Phomopsis</i> spp.	Cankers
22052	cypress canker	<i>Seiridium cardinale</i>	Cankers
22053	butternut canker	<i>Sirococcus clavigignenti juglandacearum</i>	Cankers
22054	maple canker	<i>Steganosporium</i> spp.	Cankers
22055	Thyronectria canker	<i>Pleonectria austroamericana</i>	Cankers
22056	citrus canker	<i>Xanthomonas citri</i>	Cankers
22057	Cytospora canker of aspen	<i>Valsa sordida</i>	Cankers
22058	Dothichiza poplar canker	<i>Chondroplea populea</i>	Cankers
22060	Leucocytospora canker of spruce	<i>Valsa kunzei</i>	Cankers
22073	hemlock canker	<i>Xenomeris abietis</i>	Cankers
22075	Lachnellula canker	<i>Lachnellula flavovirens</i>	Cankers
22076	Strumella canker	<i>Strumella coryneoidea</i>	Cankers
22077	Phomopsis blight	<i>Phomopsis juniperivora</i>	Cankers
22078	Nectria canker of yellow poplar	<i>Nectria haematococca</i>	Cankers
22080	aleurodiscus canker	<i>Aleurodiscus</i> spp.	Cankers
22082	Discocainia canker	<i>Discocainia treleasei</i>	Cankers

Code	Common_Name	Scientific_Name	Category
22085	Scleroderris canker of western firs	<i>Grovesiella abieticola</i>	Cankers
22086	thousand cankers disease	<i>Geosmithia morbida</i>	Cankers
22087	Dothichiza canker of poplar	<i>Cryptodiaporthe populea</i>	Cankers
22088	willow scab	<i>Venturia saliciperda</i>	Cankers
22089	apple scab	<i>Venturia inaequalis</i>	Cankers
22090	crown gall	<i>Agrobacterium tumefaciens</i>	Cankers
22091	sudden oak death	<i>Phytophthora ramorum</i>	Cankers
22092	Diplodia canker	<i>Sphaeropsis sapinea</i>	Cankers
22093	eutypella canker of maple	<i>Eutypella parasitica</i>	Cankers
22800	other canker agent, known (code pending)	<other canker agent, known (code pending)>	Cankers
22900	unknown canker	<unknown canker>	Cankers
	parasitic higher plants	<parasitic higher plants>	Parasitic Higher Plants
23001	mistletoes	<mistletoe>	Parasitic Higher Plants
23003	vine damage	<vine damage>	Parasitic Higher Plants
23005	white fir dwarf mistletoe	<i>Arceuthobium abietinum</i> f. sp. <i>concoloris</i>	Parasitic Higher Plants
23006	American dwarf mistletoe	<i>Arceuthobium americanum</i>	Parasitic Higher Plants
23007	Apache dwarf mistletoe	<i>Arceuthobium apachecum</i>	Parasitic Higher Plants
23008	western dwarf mistletoe	<i>Arceuthobium campylopodum</i>	Parasitic Higher Plants
23009	limber pine dwarf mistletoe	<i>Arceuthobium cyanocarpum</i>	Parasitic Higher Plants
23010	pinyon dwarf mistletoe	<i>Arceuthobium divaricatum</i>	Parasitic Higher Plants
23011	Douglas-fir dwarf mistletoe	<i>Arceuthobium douglasii</i>	Parasitic Higher Plants
23012	Huachuca Mountain dwarf mistletoe	<i>Arceuthobium gillii</i>	Parasitic Higher Plants
23013	larch dwarf mistletoe	<i>Arceuthobium laricis</i>	Parasitic Higher Plants
23014	western spruce dwarf mistletoe	<i>Arceuthobium microcarpum</i>	Parasitic Higher Plants
23015	eastern dwarf mistletoe	<i>Arceuthobium pusillum</i>	Parasitic Higher Plants
23016	hemlock dwarf mistletoe	<i>Arceuthobium tsugense</i>	Parasitic Higher Plants
23017	southwestern dwarf mistletoe	<i>Arceuthobium vaginatum</i> ssp. <i>cryptopodum</i>	Parasitic Higher Plants
23018	dodder	<i>Cuscuta</i> spp.	Parasitic Higher Plants
23019	fir mistletoe	<i>Phoradendron pauciflorum</i>	Parasitic Higher Plants
23020	true mistletoe	<i>Phoradendron</i> spp.	Parasitic Higher Plants
23021	red fir dwarf mistletoe	<i>Arceuthobium abietinum</i> f. sp. <i>magnificae</i>	Parasitic Higher Plants
23022	juniper mistletoe	<i>Phoradendron juniperinum</i>	Parasitic Higher Plants
23023	dwarf mistletoe	<i>Arceuthobium</i> spp.	Parasitic Higher Plants
23024	Klamath fir dwarf mistletoe	<i>Arceuthobium abietinum</i> ssp. <i>wiensii</i>	Parasitic Higher Plants
23025	love vine, greek kasytas	<i>Cassytha filiformis</i>	Parasitic Higher Plants
23800	other parasitic plant, known (code pending)	<other parasitic plant, known (code pending)>	Parasitic Higher Plants
23900	unknown parasitic plant	<unknown parasitic plant>	Parasitic Higher Plants
	wilts	<wilts>	Wilts
24019	pine wilt disease	<i>Bursaphelenchus xylophilus</i>	Wilts
24020	sapstreak disease	<i>Ceratocystis coerulescens</i>	Wilts
24021	oak wilt	<i>Ceratocystis fagacearum</i>	Wilts
24022	Dutch elm disease	<i>Ophiostoma novo-ulmi</i>	Wilts
24024	mimosa wilt	<i>Fusarium oxysporum</i> f. sp. <i>perniciosum</i>	Wilts

Code	Common_Name	Scientific_Name	Category
24025	Verticillium wilt	<i>Verticillium albo-atrum</i>	Wilts
24031	laurel wilt	<i>Raffaelea lauricola</i>	Wilts
24033	koa wilt	<i>Fusarium oxysporum</i> f. sp. <i>koae</i>	Wilts
24034	rapid 'ohia death	<i>Ceratocystis fimbriata</i>	Wilts
24800	other wilt, known (code pending)	<other wilt, known (code pending)>	Wilts
24900	unknown wilt	<unknown wilt>	Wilts
	foliage and shoot diseases	<foliage and shoot diseases>	Foliage and Shoot Diseases
25001	blight	<blight>	Foliage and Shoot Diseases
25004	leaf spots	<leaf spots>	Foliage and Shoot Diseases
25005	needlecast	<needlecast>	Foliage and Shoot Diseases
25006	powdery mildew	<powdery mildew>	Foliage and Shoot Diseases
25009	true fir needle cast	<i>Lirula abietinus-concoloris</i>	Foliage and Shoot Diseases
25010	sycamore anthracnose	<i>Apiognomonia veneta</i>	Foliage and Shoot Diseases
25011	Cercospora blight of juniper	<i>Asperisporium sequoiae</i>	Foliage and Shoot Diseases
25014	ink spot of aspen	<i>Ciborinia whetzellii</i>	Foliage and Shoot Diseases
25016	anthracnose of Russian olive	<i>Colletotrichum</i> spp.	Foliage and Shoot Diseases
25018	leaf shothole	<i>Cylindrosporium</i> spp.	Foliage and Shoot Diseases
25019	cedar leaf blight	<i>Didymascella thujina</i>	Foliage and Shoot Diseases
25020	dogwood anthracnose	<i>Discula destructiva</i>	Foliage and Shoot Diseases
25021	mango scab	<i>Elsinoë mangiferae</i>	Foliage and Shoot Diseases
25022	Elytroderma needle blight	<i>Elytroderma deformans</i>	Foliage and Shoot Diseases
25024	walnut anthracnose	<i>Gnomonia leptostyla</i>	Foliage and Shoot Diseases
25025	anthracnose	<i>Gnomonia</i> spp.	Foliage and Shoot Diseases
25027	brown felt blight	<i>Herpotrichia juniperi</i>	Foliage and Shoot Diseases
25028	larch needle blight	<i>Hypodermella laricis</i>	Foliage and Shoot Diseases
25029	hardwood anthracnose	<i>Kabatiella apocrypta</i>	Foliage and Shoot Diseases
25030	Lasioidiplodia cone damage	<i>Lasioidiplodia</i> spp.	Foliage and Shoot Diseases
25031	Lirula spruce needle blight	<i>Lirula macrospora</i>	Foliage and Shoot Diseases
25032	fir needle cast	<i>Lirula</i> spp.	Foliage and Shoot Diseases
25033	white pine needle cast	<i>Lophodermella arcuata</i>	Foliage and Shoot Diseases
25034	Lophodermella needle cast of pines	<i>Lophodermella</i> spp.	Foliage and Shoot Diseases
25035	Lophodermium needle cast of pines	<i>Lophodermium</i> spp.	Foliage and Shoot Diseases
25036	Marssonina blight	<i>Drepanopeziza</i> spp.	Foliage and Shoot Diseases
25039	larch needle cast	<i>Meria laricis</i>	Foliage and Shoot Diseases
25040	Dothistroma needle blight	<i>Mycosphaerella pini</i>	Foliage and Shoot Diseases
25041	brown felt blight of pines	<i>Neopeckia coulteri</i>	Foliage and Shoot Diseases
25042	snow blight	<i>Phacidium infestans</i>	Foliage and Shoot Diseases
25043	Swiss needle cast	<i>Phaeocryptopus gaeumannii</i>	Foliage and Shoot Diseases
25044	Phoma blight	<i>Phoma</i> spp.	Foliage and Shoot Diseases
25045	Phyllosticta leaf spot	<i>Phyllosticta minima</i>	Foliage and Shoot Diseases
25046	bud rot	<i>Phytophthora palmivora</i>	Foliage and Shoot Diseases
25047	Ploioderma needle cast	<i>Ploioderma</i> spp.	Foliage and Shoot Diseases
25050	Rhabdocline needle cast	<i>Rhabdocline</i> spp.	Foliage and Shoot Diseases



Code	Common_Name	Scientific_Name	Category
25051	Rhizoctonia needle blight	<i>Rhizoctonia</i> spp.	Foliage and Shoot Diseases
25052	Rhizosphaera needle cast	<i>Rhizosphaera</i> spp.	Foliage and Shoot Diseases
25054	brown spot needle blight	<i>Lecanosticta acicola</i>	Foliage and Shoot Diseases
25055	Septoria leaf spot of alder	<i>Septoria alnifolia</i>	Foliage and Shoot Diseases
25056	Septoria leaf spot and canker	<i>Mycosphaerella populorum</i>	Foliage and Shoot Diseases
25057	Sirococcus tip blight	<i>Sirococcus conigenus</i>	Foliage and Shoot Diseases
25059	leaf blister of oak	<i>Taphrina caerulescens</i>	Foliage and Shoot Diseases
25060	Venturia leaf blight of maple	<i>Venturia aceris</i>	Foliage and Shoot Diseases
25061	aspen shoot blight	<i>Venturia macularis</i>	Foliage and Shoot Diseases
25063	yellow-cedar shoot blight	<i>Apostrasseria</i> spp.	Foliage and Shoot Diseases
25067	spruce needle cast	<i>Lophodermium piceae</i>	Foliage and Shoot Diseases
25071	Rhizosphaera needle disease of fir	<i>Rhizosphaera pini</i>	Foliage and Shoot Diseases
25072	sirococcus shoot blight	<i>Sirococcus strobilinus</i>	Foliage and Shoot Diseases
25073	cottonwood and poplar shoot blight	<i>Venturia populina</i>	Foliage and Shoot Diseases
25074	Delphinella shoot blight	<i>Delphinella abietis</i>	Foliage and Shoot Diseases
25075	tar spot	<i>Rhytisma acerinum</i>	Foliage and Shoot Diseases
25076	birch leaf fungus	<i>Septoria betulae</i>	Foliage and Shoot Diseases
25077	Septoria leaf spot of maple	<i>Septoria aceris</i>	Foliage and Shoot Diseases
25080	bur oak blight	<i>Tubakia iowensis</i>	Foliage and Shoot Diseases
25081	bacterial leaf scorch	<i>Xylella fastidiosa</i>	Foliage and Shoot Diseases
25082	leaf blister of maple	<i>Taphrina carveri</i>	Foliage and Shoot Diseases
25083	Rhizosphaera needle cast (spp. kalkhoffii)	<i>Rhizosphaera kalkhoffii</i>	Foliage and Shoot Diseases
25084	white pine needle damage	<white pine needle damage>	Foliage and Shoot Diseases
25800	other foliage or shoot disease, known (code pending)	<other foliage or shoot disease, known (code pending)>	Foliage and Shoot Diseases
25900	unknown foliage or shoot disease	<unknown foliage or shoot disease>	Foliage and Shoot Diseases
	rusts	<rusts>	Rusts
26001	white pine blister rust	<i>Cronartium ribicola</i>	Rusts
26002	western gall rust	<i>Peridermium harknessii</i>	Rusts
26003	stalactiform rust	<i>Cronartium coleosporioides</i>	Rusts
26004	comandra blister rust	<i>Cronartium comandrae</i>	Rusts
26005	pinyon rust	<i>Cronartium occidentale</i>	Rusts
26006	eastern gall rust	<i>Cronartium quercuum</i>	Rusts
26007	gall rust of jack pine	<i>Cronartium quercuum</i> f. sp. <i>banksianae</i>	Rusts
26008	gall rust of shortleaf pine	<i>Cronartium quercuum</i> f. sp. <i>echinatae</i>	Rusts
26009	fusiform rust	<i>Cronartium quercuum</i> f. sp. <i>fusiforme</i>	Rusts
26010	gall rust of Virginia pine	<i>Cronartium quercuum</i> f. sp. <i>virginianae</i>	Rusts
26011	Bethuli rust	<i>Peridermium bethuli</i>	Rusts
26012	filamentosum rust	<i>Peridermium filamentosum</i>	Rusts
26013	southern cone rust	<i>Cronartium strobilinum</i>	Rusts
26014	sweetfern rust disease	<i>Cronartium comptoniae</i>	Rusts
26015	amelanchier rust	<i>Gymnosporangium harknessianum</i>	Rusts
26016	cedar apple rust	<i>Gymnosporangium juniperi-virginianae</i>	Rusts
26017	large-spored spruce-Labrador tea rust	<i>Chrysomyxa ledicola</i>	Rusts

Code	Common_Name	Scientific_Name	Category
26018	pine needle rust	<i>Coleosporium asterum</i>	Rusts
26019	Coronado limb rust	<i>Cronartium arizonicum</i>	Rusts
26020	Douglas-fir rust	<i>Melampsora medusae</i>	Rusts
26021	ash rust	<i>Puccinia sparganioides</i>	Rusts
26022	fir and hemlock rusts	<i>Pucciniastrum</i> spp.	Rusts
26023	spruce needle rust	<i>Chrysomyxa weirii</i>	Rusts
26024	yellow cypress rust	<i>Gymnosporangium nootkatense</i>	Rusts
26025	leaf rusts of hardwoods	<i>Melampsora</i> spp.	Rusts
26026	hemlock needle rust	<i>Naohidemycetes vaccinii</i>	Rusts
26027	Eurasian poplar leaf rust	<i>Melampsora larici-populina</i>	Rusts
26028	'ohia / guava rust	<i>Puccinia psidii</i>	Rusts
26029	spruce broom rust	<i>Chrysomyxa arctostaphyli</i>	Rusts
26030	incense-cedar broom rust	<i>Gymnosporangium libocedri</i>	Rusts
26031	juniper broom rust	<i>Gymnosporangium nidus-avis</i>	Rusts
26032	yellow witches-broom of fir	<i>Melampsorella caryophyllacearum</i>	Rusts
26800	other rust, known (code pending)	<other rust, known (code pending)>	Rusts
26900	unknown rust	<unknown rust>	Rusts
	declines	<declines>	Declines
29001	yellow-cedar decline	<yellow-cedar decline>	Declines
29002	sudden aspen decline	<sudden aspen decline>	Declines
29003	maple decline	<maple decline>	Declines
29004	oak decline	<oak decline>	Declines
	fire	<fire>	Fire
30001	wild fire	<wild fire>	Fire
30002	human caused fire	<human caused fire>	Fire
	wild animals	<wild animals>	Wild Animals
41001	bears	<i>Ursus</i> spp.	Wild Animals
41002	American beaver	<i>Castor canadensis</i>	Wild Animals
41003	big game	<big game>	Wild Animals
41004	mice or voles	<mice or voles>	Wild Animals
41005	pocket gophers	<Geomyidae>	Wild Animals
41006	common porcupine	<i>Erethizon dorsatum</i>	Wild Animals
41007	rabbits	<i>Sylvilagus</i> spp.	Wild Animals
41008	sapsuckers	<i>Sphyrapicus</i> spp.	Wild Animals
41009	squirrels	<Sciuridae>	Wild Animals
41010	woodpeckers	<Piciformes>	Wild Animals
41011	moose	<i>Alces alces</i>	Wild Animals
41012	elk	<i>Cervus elaphus</i>	Wild Animals
41013	deer	<i>Odocoileus</i> spp.	Wild Animals
41014	feral pigs	<i>Sus scrofa</i>	Wild Animals
41015	mountain beaver	<i>Aplodontia rufa</i>	Wild Animals
41016	deer or elk	<Cervidae>	Wild Animals
41017	earthworm	<Lumbricidae>	Wild Animals

Code	Common_Name	Scientific_Name	Category
41800	other wild animal, known (code pending)	<other wild animal, known (code pending)>	Wild Animals
41900	unknown wild animal	<unknown wild animal>	Wild Animals
	domestic animals	<domestic animals>	Domestic Animals
42001	domesticated cattle	<i>Bos taurus</i>	Domestic Animals
42002	goat	<i>Capra hircus</i>	Domestic Animals
42003	horse	<i>Equus caballus</i>	Domestic Animals
42004	sheep	<i>Ovis aries</i>	Domestic Animals
42800	other domestic animal, known (code pending)	<other domestic animal, known (code pending)>	Domestic Animals
42900	unknown domestic animal	<unknown domestic animal>	Domestic Animals
	abiotic agents	<abiotic agents>	Abiotic Agents
50001	air pollutants	<air pollutants>	Abiotic Agents
50002	chemical	<chemical>	Abiotic Agents
50003	drought	<drought>	Abiotic Agents
50004	flooding-high water	<flooding-high water>	Abiotic Agents
50005	frost	<frost>	Abiotic Agents
50006	hail	<hail>	Abiotic Agents
50007	heat	<heat>	Abiotic Agents
50008	lightning	<lightning>	Abiotic Agents
50009	nutrient imbalances	<nutrient imbalances>	Abiotic Agents
50010	radiation	<radiation>	Abiotic Agents
50011	snow-ice	<snow-ice>	Abiotic Agents
50013	wind-tornado/hurricane	<wind-tornado/hurricane>	Abiotic Agents
50014	winter injury	<winter injury>	Abiotic Agents
50015	avalanche	<avalanche>	Abiotic Agents
50016	mud-land slide	<mud-land slide>	Abiotic Agents
50017	volcano	<volcano>	Abiotic Agents
50018	other geologic event	<other geologic event>	Abiotic Agents
50019	mechanical (non-human caused)	<mechanical (non-human caused)>	Abiotic Agents
50020	saltwater injury - flooding / hurricane	<saltwater injury - flooding / hurricane>	Abiotic Agents
50022	salt damage	<salt damage>	Abiotic Agents
50800	other abiotic damage, known (code pending)	<other abiotic damage, known (code pending)>	Abiotic Agents
50900	unknown abiotic damage	<unknown abiotic damage>	Abiotic Agents
60000	competition	<competition>	Competition
	human activities	<human activities>	Human Activities
70001	herbicides	<herbicides>	Human Activities
70003	imbedded objects	<imbedded objects>	Human Activities
70004	improper planting technique	<improper planting technique>	Human Activities
70005	land clearing	<land clearing>	Human Activities
70006	land use conversion	<land use conversion>	Human Activities
70007	logging damage	<logging damage>	Human Activities
70008	mechanical	<mechanical>	Human Activities
70009	pesticides	<pesticides>	Human Activities
70010	roads	<roads>	Human Activities

Code	Common_Name	Scientific_Name	Category
70011	soil compaction	<soil compaction>	Human Activities
70012	suppression	<suppression>	Human Activities
70013	vehicle damage	<vehicle damage>	Human Activities
70014	road salt or deicers	<road salt or deicers>	Human Activities
70100	other human activities	<other human activities>	Human Activities
71000	harvest	<harvest>	Harvest
71001	woodland cutting	<woodland cutting>	Harvest
	multi-agent "complexes"	<multi-agent "complexes">	Multi-Agent "Complexes"
80005	root disease and beetle complex	<root disease and beetle complex>	Multi-Agent "Complexes"
80006	ash yellows	<i>Candidatus phytoplasma fraxini</i>	Multi-Agent "Complexes"
80300	other pest complex, known (code pending)	<other pest complex, known (code pending)>	Multi-Agent "Complexes"
85000	invasive plants	<invasive plants>	Invasive Plants
90000	unknown	<unknown>	Unknown