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A SELECTED LIST OF  
FOREST AND MISCELLANEOUS INSECTS  
OF COASTAL BRITISH COLUMBIA

by

D.H. RUPPEL

FOREST RESEARCH LABORATORY  
VICTORIA, BRITISH COLUMBIA  
INTERNAL REPORT BC-6

DEPARTMENT OF FORESTRY AND RURAL DEVELOPMENT  
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D. H. Ruppel <sup>1/</sup>

This list was prepared for the convenience of personnel of the Forest Research Laboratory in Victoria. The insects named do not constitute a complete list and some other small organisms similar to insects that are often submitted to the Laboratory have also been included.

Under "DESCRIPTION", capitalized common names are accepted by the ENTOMOLOGICAL SOCIETY OF AMERICA, 1965 <sup>2/</sup>. Common names in quotes are unofficial. Other names are descriptive.

Symbols under "STATUS" are interpreted as follows:

- A- Known to be causing serious damage.
- B- Capable of causing serious damage.
- C- Not known to cause serious damage, at least from a forestry viewpoint.
- D- Under observation. We would like more information and material.
- E- Useful or beneficial organism.

The status may vary, depending upon current conditions.

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<sup>1/</sup> Forest Research Technician, Victoria, B. C.

<sup>2/</sup> Blickenstaff, C. C. 1965. Common names of insects approved by the Entomological Society of America. Bull. Entomol. Soc. Am. ii: 287-320.

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Abebaea subsylvella</u>	Small yellow and grey moth.	PLUTELLIDAE	Solitary defoliator and leaf roller on Garry oak.	C
<u>Acantholyda</u> sp.	Web-spinning sawfly.	PAMPHILIIDAE	Sheltered, generally solitary, defoliator web maker.	C
ACHILIDAE	Leaf hoppers.		Plant suckers.	C
<u>Achytonix praeacuta</u>	Cutworm.	NOCTUIDAE	Solitary defoliator.	C
<u>Acilius semisulcatus</u>	A water beetle.	DYTISCIDAE	Predaceous water beetle.	E
<u>Acleris maccana</u>	Small green larva.	TORTRICIDAE	Solitary leaf-rolling defoliator on willow and other deciduous trees and shrubs.	C
<u>Acleris senescens</u>	Small green larva.	TORTRICIDAE	Solitary leaf-rolling defoliator on willow and other deciduous trees and shrubs.	C
<u>Acleris variana</u>	BLACK-HEADED BUD-WORM, small green larva with a black thoracic shield.	TORTRICIDAE	Solitary needle miner and later a leaf-roller defoliator. A periodically serious pest of hemlock and other conifers. Occasional on deciduous hosts.	A, B
<u>Acmeops</u> sp.	Small longhorn beetle.	CERAMBYCIDAE	Bores into the cambium of dying trees.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
ACRIDIDAE	Locusts or grass-hoppers.		Defoliators, not a serious pest locally.	C
<u>Acronicta dactylina</u> <u>hesperida</u>	A dagger moth.	NOCTUIDAE	Solitary defoliator.	C
<u>Acronicta funeralis</u>	A dagger moth.	NOCTUIDAE	Solitary defoliator on alder and willow.	C
<u>Acronicta grisea</u>	A dagger moth.	NOCTUIDAE	Solitary defoliator from alder and other deciduous hosts and occasionally conifers.	C
<u>Acronicta lepusculina</u>	COTTONWOOD DAGGER MOTH,	NOCTUIDAE	Solitary defoliator or from willow.	C
<u>Acrydium brunneri</u>	Pigmy locust.	ACRIDIDAE	Feeds on forest litter.	E
<u>Adalia bipunctata</u>	2-spotted lady beetle.	COCCINELLIDAE	Predator.	E
<u>Adalia frigida</u>	Lady beetle.	COCCINELLIDAE	Predator.	E
<u>Adelges cooleyi</u>	COOLEY SPRUCE-GALL APHID, under tufts of "wool" on Douglas fir needles and in "pineapple" shaped galls on spruce tips.	ADELGIDAE	Sap feeder which may cause defoliation of Douglas-fir and galls and sometimes death of tips, on spruce. A pest of nurseries, plantings, and Xmas trees but generally of less importance on shade and larger trees.	B, A



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Adelges nusslini</u>	A woolly aphid, on twigs and stem under tufts of white "wool".	ADELGIDAE	Sap feeder, could be mistaken for more damaging aphids.	C
<u>Adelges piceae</u>	BALSAM WOOLLY APHID.	ADELGIDAE	Sap feeder with two types of feeding injury. Terminal feeding around buds on twigs causes "gout" (swellings) and progressive defoliation from the top crown downward. Bark feeding on the stem causes changes in the sapwood and damage to the bark and may be noticed by the covering of woolly excretions over the aphids. Stem attack may cause mortality in one to five years or encourage secondary insects. All native true firs and some others are susceptible. Restrictions have been imposed on the movement of true firs. Restrictions may be changed from time to time by the Plant Protection Division or the British Columbia Forest Service.	A
<u>Adelges tsugae</u>	A woolly aphid.	ADELGIDAE	Sap feeder under woolly excretions on hemlock twigs.	C
<u>Adelges sp.</u>	Woolly aphid.	ADELGIDAE	Sap feeders, sometimes cause galls.	C
ADELGIDAE	Woolly aphids.		Sap feeders, sometimes cause galls.	C
<u>Adelphagrotis stellaris</u>	Brown cutworm.	NOCTUIDAE	Defoliator, probably solitary.	C
<u>Adoxus obscurus</u>	WESTERN GRAPE ROOTWORM, brown and black leaf beetle.	CHRYSOMELIDAE	Defoliator, skeletonizer, preferred host fireweed but adults often found perching on hemlock, alder willow and others.	C
AEGERIIDAE	Clear-wing moths.		Larvae are wood borers.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Aegialia</u> sp.	Small dark brown scarab beetle.	SCARABAEIDAE	Scavenger.	E
<u>Aemilia</u> <u>roseata</u>	A tiger moth.	ARCTIIDAE	Defoliator, solitary.	C
<u>Aeschna</u> sp.	Large blue dragon fly.	AESCHNIDAE	Predator.	E
<u>Agabus</u> sp.	Shiny black water beetle.	DYTISCIDAE	Predator.	E
<u>Agonopterix</u> <u>costosa</u>	Small moth.	OECOPHORIDAE	Defoliator on broom in larval stage, introduced insect.	C
<u>Agonum</u> <u>cupripenne</u>	Metallic ground beetle.	CARABIDAE	Predator.	E
<u>Agonum</u> <u>ovipenne</u>	Black ground beetle.	CARABIDAE	Predator.	E
<u>Agonum</u> <u>cupripenne</u> <u>subsericum</u>	Metallic ground beetle.	CARABIDAE	Predator.	E
<u>Agrabia</u> <u>sicardi</u>	Black and red-spotted lady beetle.	COCCINELLIDAE	Predator.	E
<u>Agrilus</u> <u>anxius</u>	BRONZE BIRCH-BORER, small slender dark flat-headed wood borer.	BUPRESTIDAE	Larvae bore beneath bark of living trees.	C
<u>Agrilus</u> <u>politus</u>	Small slender dark, flat-headed wood borer.	BUPRESTIDAE	Larvae bore beneath bark of living trees.	C
<u>Agrilus</u> <u>politus</u> <u>burkei</u>	Slender metallic flat-headed wood borer.	BUPRESTIDAE	Larvae bore in dying timber.	C
<u>Agriotella</u> <u>columbiana</u>	Brown and black shaded click beetle, larva a wireworm.	ELATERIDAE	Larva feeds on soft tissue under dead bark.	C
<u>Agriotella</u> <u>occidentalis</u>	Small black and tan click beetle, larva a wireworm.	ELATERIDAE	Larva feeds on soft tissue under dead bark.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Agriotes ferruginei pennis</u>	Tan coloured click beetle, larva a wireworm.	ELATERIDAE	Larva a root feeder, adults found perching on various trees.	C
<u>Agriotes tardus</u>	Orange and black click beetle, larva a wireworm.	ELATERIDAE	Larvae feed on roots.	C
<u>Agriotes thevenetii</u>	Black and tan shaded click beetle, larva a wireworm.	ELATERIDAE	Larvae feed on roots.	C
AGROMYZIDAE	Small black or yellowish flies.		Leaf miners or gall makers.	C
<u>Agulla adnixa</u>	Snake fly.	RAPHIDIIDAE	Predator.	E
<u>Agulla assimilis</u>	Snake fly.	RAPHIDIIDAE	Predator.	E
<u>Agulla sp.</u>	Snake fly.	RAPHIDIIDAE	Predator.	E
<u>Agyrtes longulus</u>	Small shiny black carrion beetle.	SILPHIDAE	Scavenger.	E
<u>Alaus melanops</u>	Large black "eyed" click beetle.	ELATERIDAE	Larva bores in rotten wood.	E
ALEYRODIDAE	Whiteflies.		Sap feeders.	C
ALLECULIDAE	Comb-clawed beetles.		Feed on decaying wood.	C
<u>Allononyma diana</u>	Small grayish moth.	GLYPHIPTERIGIDAE	Solitary defoliator, leaf roller.	C
<u>Alniphagus aspericollis</u>	ALDER BARK BEETLE, small dark brown beetle.	SCOLYTIDAE	Cambium feeder in weakened trees, or felled material, host alder.	C



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Altica ambiens ambiens</u>	ALDER FLEA BEETLE, metallic blue.	CHRYSOMELIDAE	Leaf skeletonizer of alder, occasion- ally causes severe defoliation.	C,B
<u>Altica prasina</u>	Metallic green flea beetle.	CHRYSOMELIDAE	Leaf skeletonizer on willow.	C
<u>Altica tombacina</u>	Small metallic brown flea beetle.	CHRYSOMELIDAE	Leaf skeletonizer, preferred host fire- weed but common on willow and alder causing occasional defoliation but no serious damage.	C,B
<u>Altica sp.</u>	Flea beetle.	CHRYSOMELIDAE	Leaf skeletonizer on various decid- uous hosts, periodic infestations.	C.B
<u>Alucita huebneri</u>	Small feathered- winged moth.	ALUCITIDAE	Larvae are defoliators.	C
ALUCITIDAE	Small feathered- winged moth.		Larvae are defoliators.	C
<u>Amara sp.</u>	Ground beetle.	CARABIDAE	Predator.	E
<u>Amblyteles sp.</u>	Parasitic wasp.	ICHNEUMONIDAE	Parasitic on Lepidoptera.	E
<u>Ampedus bimaculatus</u>	Orange click beetle.	ELATERIDAE	Larvae (wire- worms) are root feeders.	C
<u>Ampedus carbonicolor</u>	Black click beetle.	ELATERIDAE	Larvae (wireworms) are scavengers under dead bark.	C
<u>Ampedus moerens</u>	Medium size black click beetle.	ELATERIDAE	Larvae (wireworms) are scavengers under dead bark.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Ampedus nigrinus</u>	Shiny black click beetle.	ELATERIDAE	Larvae (wireworms) are scavengers under dead bark.	C
<u>Ampedus phoenicopterus</u>	Brown and black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ampedus pullus</u>	Small orange and black click beetle.	ELATERIDAE	Larvae (wireworms) are scavengers under dead bark.	C
<u>Ampedus rhodopus</u>	Shiny dark brown click beetle.	ELATERIDAE	Larvae (wireworms) are scavengers under dead bark.	C
<u>Ampedus varipilis columbianus</u>	Orange and black click beetle.	ELATERIDAE	Larvae (wireworms) are scavengers under dead bark.	C
<u>Amphibolips</u> sp.	Tiny gall wasp.	CYNIPIDAE	Sap feeder causing galls on oak leaves.	D
<u>Amphichroum</u> sp.	Small flat yellowish rove beetles.	STAPHYLINIDAE	Predator . .	E
<u>Amphipyra tragopogonis</u>	Brown cutworm moth.	NOCTUIDAE	Defoliator, probably on ground cover.	D
<u>Anacaena limbata</u>	Tiny dark water beetle.	HYDROPHILIDAE	Scavenger.	E
<u>Anacamptodes emasculata</u>	Brown and green looper.	GEOMETRIDAE	Defoliator on deciduous trees, alder preferred.	C
<u>Anagoga occiduaris</u>	Brownish looper.	GEOMETRIDAE	Solitary defoliator on birch and thimbleberry.	C
<u>Anaspis atrata</u>	Small black flower beetle.	MORDELLIDAE	Flower feeder.	C
<u>Anaspis rufa</u>	Small brown flower beetle.	MORDELLIDAE	Flower feeder.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Anatis rathvoni</u>	Large brown black-spotted beetle.	COCCINELLIDAE	Predator.	E
ANDRENIDAE	Burrowing bees.		Predators.	E
<u>Anisandrus pyri</u>	An ambrosia beetle.	SCOLYTIDAE	Wood borer in deciduous trees.	B
<u>Anisocalvia 14-guttator</u>	Black-spotted pink 14-spotted lady.	COCCINELLIDAE	Predator.	E
<u>Anisocalvia 14-guttator victoriana</u>	White-spotted black 14-spotted lady beetle.	COCCINELLIDAE	Predator.	E
ANISOPODIDAE	False crane flies.		Feed on rotting wood.	C
ANOBIIDAE	Small death-watch beetles.		Bore into dead branches and other dead wood or lumber.	B
<u>Anomogyna mustelina</u>	Brown and yellow striped cutworm.	NOCTUIDAE	Solitary defoliator of conifers, prefers hemlock and Douglas-fir.	C
<u>Anoplodera behrensis</u>	Black and yellow longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Anoplodera canadensis</u>	Large black and red longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera crassipes</u>	Yellow and black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera chrysocoma</u>	Medium size yellow and black long horn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera dehiscens</u>	Brown and black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera dolorosa</u>	Black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera laetifica</u>	Red and black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera mathewsii</u>	Yellow and brown longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera nigrella</u>	Brown and black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera sexmaculata</u>	Black and yellow longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead moist wood.	C
<u>Anoplodera tibialis</u>	Yellow and black longhorn beetle.	CERAMBYCIDAE	Larva bores and feeds in dead moist wood.	C
<u>Anoplodera valida</u>	Large yellow long-horn beetle.	CERAMBYCIDAE	Larva bores and feeds in dead moist wood.	C
<u>Anoplodera sp.</u>	Longhorn beetle.	CERAMBYCIDAE	Larva bores and feeds in moist dead wood.	C
<u>Anthaxia aeneogaster</u>	Small black flat headed wood boring beetle.	BUPRESTIDAE	Larvae bore into bark and outer wood of dying conifers.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Anthaxia deleta</u>	Small bright green flat-headed wood boring beetle.	BUPRESTIDAE	Larvae bore and feed in dying timber.	C
<u>Anthelia hyperborea</u>	Brown-lined looper.	GEOMETRIDAE	Solitary defoliator on hemlock and other conifers.	C
<u>Antheraea polyphemus</u>	Wild silk moth.	SATURNIIDAE	Solitary defoliator on alder and other deciduous trees.	D
ANTHICIDAE	Ant-like flower beetles.		Defoliator and fruit feeder.	C
<u>Anthicus ephippium</u>	Tiny dark flower beetle.	ANTHICIDAE	Defoliator and fruit feeder.	C
<u>Anthocharis sara</u> <u>reakirtii</u>	"Orange tip" butterfly.	PIERIDAE	Defoliator.	C
ANTHOCORIDAE	Minute pirate bugs.		Predators of aphids.	E
ANTHOMYIIDAE	Root maggot.		Feed on roots of young plants.	C
<u>Anthophila pariana</u>	APPLE-AND-THORN SKELETONIZER, a small brown moth.	GLYPHIPTERYGIDAE	Defoliator-skeletonizer and solitary leaf roller. An introduced species recognized as a pest of shade and ornamental trees including apple and other deciduous trees.	B
<u>Anthrenus lepidus</u>	Small speckled cream and black skin beetle.	DERMESTIDAE	Feeds on dried or decaying matter.	C
<u>Anthrenus verbasci</u>	VARIED CARPET BEETLE.	DERMESTIDAE	Feeds on dried or decaying matter.	C,B

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Apamea auranticolor</u>	Cutworm .	NOCTUIDAE	Defoliator.	C
<u>Apateticus crocatus</u>	Large rusty brown stink bug.	PENTATOMIDAE	Predator.	E
<u>Aphania infida</u>	Small greyish moth.	OLETHREUTIDAE	Defoliator, leaf roller, aspen and willow.	C
<u>Aphania tertiana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator of willow and other deciduous hosts.	C
APHIDIDAE	Aphids.		Plant suckers and gall makers.	C,B
<u>Aphodius</u> sp.	Dung beetle.	SCARABAEIDAE	Lives in dung.	E
<u>Aphrodes</u> sp.	Brownish leaf hopper.	CICADELLIDAE	Plant feeder.	C
<u>Aphrophora permutata</u>	Brown spittle bug.	CERCOPIIDAE	Sap feeder often found on Douglas-fir and hemlock and other trees and plants.	C
APIDAE	Wild bees and honey bees.		Pollinators.	E
ARADIDAE	Flat bugs.		Sap feeders.	C
<u>Aradus abbas</u>	Small dark flat bug.	ARADIDAE	Sap feeder.	C
<u>Aradus tuberculifer</u>	Dark brown flat bug.	ARADIDAE	Sap feeder.	C
<u>Araenus trifolium</u>	Orb weaving garden spider.	(Not an insect)	Predator.	E
<u>Araeopidius monachus</u>	Grey or brown plant beetle.	DASCILLIDAE	Root feeder.	C



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Archippus packardianus</u>	Small moth.	TORTRICIDAE	Larva a solitary leaf roller defoliator on spruce and other coniferous trees.	C
<u>Archippus strianus</u>	Small moth with striations on forewing.	TORTRICIDAE	Solitary sheltered defoliator, leaf roller.	C
<u>Archips cerasivorana</u>	UGLY-NEST CATER-PILLAR.	TORTRICIDAE	Colonial web-maker cherry, of little economic importance but very unsightly in residential areas, periodic moderate infestations.	C, B
<u>Archips rosana</u>	Small green leaf roller.	TORTRICIDAE	Solitary sheltered leaf roller, common on alder and willow and a wide range of deciduous hosts, occasionally a pest of shade and fruit trees.	C, B
<u>Arctia caja</u>	A large tiger moth.	ARCTIIDAE	Herbivorous feeder.	C
ARCTIIDAE	Tiger moths.		Defoliators.	C
<u>Arge pectoralis</u>	BIRCH SAWFLY	ARGIDAE	Colonial defoliator, on birch and sometimes hazel. Infestations have occurred in the interior but are not recorded from the coast.	B
ARGIDAE	Sawflies		Defoliators.	B, A
<u>Argynnis cybele</u>	"Spangles fritillary butterfly".	NYPHALIDAE	Defoliator on ground cover.	C
<u>Argyresthia pygmaeella</u>	Small gold moth.	YPONOMEUTIDAE	Solitary leaf roller defoliator.	C
<u>Argyrotaenia occultana</u>	Small green larva .	TORTRICIDAE	Solitary sheltered defoliator leaf-roller.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Argyrotaenia pinatubana</u>	PINE TUBE MOTH Small green larvae	TORTRICIDAE	Solitary defoliator, leaf roller.	C
<u>Argyrotaenia tabulana</u>	Small green larva	TORTRICIDAE	Solitary defoliator leaf roller.	C
<u>Argyrotaenia sp.</u>	Small, mostly green, larva.	TORTRICIDAE	Solitary defoliator leaf roller.	C
<u>Arhopalus foveicollis</u>	Large slender longhorn beetle.	CERAMBYCIDAE	Larvae feed and bore in wood.	C
<u>Aridius nodifer</u>	Tiny black beetle.	LATHRIDIIDAE	Not known.	C
<u>Arphia pseudonietana</u>	Red-winged locust.	ACRIDIDAE	Plant feeder.	C
<u>Asemum striatum</u>	Black longhorn beetle.	CERAMBYCIDAE	Larva bores into moist dead wood.	C
<u>Aseptis binotata</u>	Green cutworm.	NOCTUIDAE	Solitary defoliator on various trees and ground cover.	C
ASILIDAE	Assassin flies.		Predators.	E
<u>Asiphum pseudobyrrsum</u>	Aphid.	APHIDIDAE	Sap feeder, open colonial habit on aspen.	C
<u>Attalus nigrellus</u>	Small grey beetle.	MELYRIDAE	Scavenger.	C
<u>Athous brevis</u>	Small brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Athous imitans</u>	Brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Athous nigripilis</u>	Dull black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Athous pallidipennis</u>	Brownish click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Athous rufiventris</u>	Brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Athous scissus</u>	Large black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	
<u>Athous vittiger</u>	Brown striped click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Atimia dorsalis</u>	Brown mottled long-horn beetle.	CERAMBYCIDAE	Larva supposedly a wood borer of cedar, juniper, etc.	C
ATROPIDAE	Book lice.		Scavengers.	C
<u>Atomaria</u> sp.	Silken fungus beetle.	CRYPTOPHAGIDAE	Feed in fungus.	C
<u>Aulonothroscus validus</u>	Pseudo click beetle.	THROSCIDAE	Wood borer, not well known.	C
<u>Autographa corusca</u>	Cutworm.	NOCTUIDAE	Solitary defoliator.	C
<u>Autographa mappa</u>	Cutworm.	NOCTUIDAE	Solitary defoliator.	C
<u>Banasa dimidiata</u>	Brown and green stink bug.	PENTATOMIDAE	Sap feeder.	E
<u>Barbara colfaxiana</u> (complex)	Small cone boring larvae.	OLETHREUTIDAE	Cone borer.	B, A
<u>Barypeithes pellucidus</u>	Small shiny black, tan or brown weevil.	CURCULIONIDAE	Larva a root borer.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Batodes angustiorana</u>	Small reddish-brown moth.	TORTRICIDAE	Defoliator on yew, cedar, oak and other species. Sometimes in cones or galls, and also in shoots.	C
<u>Behrensia conchiformis</u>	Black and white cutworm.	NOCTUIDAE	Shrub feeder.	D
BEMBICIDAE	Sand wasps.		Pollinators.	E
<u>Bembidion iridescens</u>	Small metallic ground beetle.	CARABIDAE	Predator.	E
<u>Bembidion mutatum</u>	Small shiny brown ground beetle.	CARABIDAE	Predator.	E
<u>Bembidion nigripes</u>	Small shiny brown ground beetle.	CARABIDAE	Predator.	E
<u>Bembidion quadrifoveolatum</u>	Small shiny brown ground beetle.	CARABIDAE	Predator.	E
<u>Besbicus mirabilis</u>	Small gall-making wasp.	CYNIPIIDAE	Gall maker on oak.	C
<u>Besma quercivoraria</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator on willow and other deciduous trees.	C
<u>Bibio nervosus</u>	March fly.	BIBIONIDAE	Feeds on decaying vegetable matter.	E
<u>Bibio slessonae</u>	March fly.	BIBIONIDAE	Feeds on decaying vegetable matter.	E
<u>Biston cognataria</u>	PEPPER-AND-SALT MOTH.	GEOMETRIDAE	Solitary defoliator on alder and willow and numerous other hosts. One record as a nursery pest.	B
BLASTOBASIDAE	Small moths.		The larvae of some are borers.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Blattella germanica</u>	GERMAN COCKROACH	BLATTIDAE	Scavenger, household pest.	C
BLATTIDAE	Cockroaches		Scavengers.	C
<u>Bombus</u> sp.	Bumble bee.	BOMBIDAE	Pollinator.	E
BOMBYLIIDAE	Hairy picture- winged fly.		Parasite.	E
<u>Bomolocha toreuta</u>	"Dogwood cutworm".	NOCTUIDAE	Solitary defoliator on flowering dogwood.	C
BOSTRICHIDAE	Wood-boring beetles.		Bore into finished wood.	B, D
<u>Brachyrhinus ovatus</u>	STRAWBERRY ROOT WEEVIL, small black weevil.	CURCULIONIDAE	Larvae feed on plant B roots, an agricultural pest and occasionally a pest of nurseries.	
<u>Brachyrhinus rugostriatus</u>	Dull black weevil.	CURCULIONIDAE	Larvae feed on plant C roots.	C
<u>Brachyrhinus singularis</u>	Brown, lightly blotched weevil.	CURCULIONIDAE	Larvae feed on plant C roots.	C
<u>Brachyrhinus sulcatus</u>	BLACK VINE WEEVIL, black, speckled weevil.	CURCULIONIDAE	Larvae feed on plant C roots.	C
BRACONIDAE	Parasitic wasps .		Parasites of insects.	E
<u>Brephos infans</u> <u>oregonensis</u>	Looper.	GEOMETRIDAE	Larva is solitary defoliator on alder and birch.	C
BRUCHIDAE	Seed weevils.		Larvae are seed borers.	B



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<u>Bryobia practiosa</u>	Clover mite.	TETRANYCHIDAE	Leaf spotting.	B
<u>Bucculatrix canadensisella</u>	BIRCH SKELETONIZER	LYONETIIDAE	Solitary skeletonizer preferring birch and occasionally in infestation proportions.	B
<u>Bucculatrix</u> sp.	Rib-cocoon-making moth.	LYONETIIDAE	Defoliator, skeletonizer.	B
BUPRESTIDAE	Flat-headed wood borers.		Bore into wood and many are important forest pests.	B, A
<u>Buprestis adjecta</u>	Metallic green and bronze wood boring beetle.	BUPRESTIDAE	Larvae bore and feed in dying pines.	B
<u>Buprestis aurulenta</u>	GOLDEN BUPRESTID, metallic green and bronze wood borer.	BUPRESTIDAE	Larvae bore and feed in Douglas-fir and other conifers.	B
<u>Buprestis langii</u>	Metallic green wood-boring beetle.	BUPRESTIDAE	Larvae bore and feed in dead and dying timber.	B
<u>Buprestis nuttalli</u>	Black, gold-spotted wood-boring beetle.	BUPRESTIDAE	Larvae bore and feed in conifers.	B
<u>Buprestis rusticorum</u>	Blue-black wood-boring beetle.	BUPRESTIDAE	Larvae bore and feed in Douglas-fir and other coniferous trees.	B
BYRRHIDAE	Pill beetles.		Feed on young trees and seedlings.	C
<u>Byrrhus geminatus</u>	Large oval dull black pill beetle.	BYRRHIDAE	Feed on young trees and seedlings.	C
<u>Calathus</u> sp.	Red ground beetle.	CARABIDAE	Predator.	E

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Caliroa cerasi</u>	Pear slug.	TENTHREDINIDAE	Defoliator, skeletonizer. Not a forest pest but causes orchard damage.	C
<u>Calitys scabra</u>	Flat brownish fungus beetle.	OSTOMIDAE	Larvae feed on woody fungi.	C
<u>Callidium vancouverense</u>	Black longhorn beetle.	CERAMBYCIDAE.	Larvae bore and feed in wood of coniferous trees.	C
<u>Calligrapha verrucosa</u>	Yellow black and tan speckled leaf beetle.	CHRYSOMELIDAE	Larvae are leaf skeletonizers.	C
CALLIMONIDAE	Parasitic wasps.		Parasites.	E
<u>Calliphora sp.</u>	Flesh flies.	CALLIPHORIDAE	Parasites.	E
<u>Callophrys eryphon</u>	Green slug-like larva.	LYCAENIDAE	Solitary defoliator.	C
<u>Callophrys nelsoni</u>	"Copper" butterfly.	LYCAENIDAE	Defoliator.	C
<u>Campaea perlata</u>	Brownish or greyish fringed looper with two pairs ventral prolegs.	GEOMETRIDAE	Solitary defoliator, preferring alder and willow but feeding on a wide range of deciduous and coniferous hosts.	C
<u>Camponotus herculeanus</u>	"Carpenter ant"	FORMICIDAE	Adults tunnel into trees, logs, lumber in use etc. as shelter for the colony.	B
CANTHARIDAE	"Leather-winged beetles"		Predators.	E
<u>Cantharis divisus</u>	A leather-winged beetle.	CANTHARIDAE	Predator.	E
<u>Cantharis fulva</u>	Brown and red leather-winged beetle.	CANTHARIDAE	Predator.	E

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<u>Cantharis oregona</u>	Black and red leather-winged beetle.	CANTHARIDAE	Predator.	E
CARABIDAE	Ground beetles.		Predators.	E
<u>Carabus nemoralis</u>	Large purplish black ground beetle.	CARABIDAE	Predator.	E
<u>Carcina quercana</u>	Green, yellow oak caterpillar.	OECOPHORIDAE	Solitary defoliator, leaf roller.	C
<u>Cardiophorus fenestratus</u>	Black, yellow-spotted click beetle.	ELATERIDAE	Adult feeds on buds and blossoms. Larva a scavenger under dead bark.	C
<u>Cardiophorus latiusculus</u>	Dull black click beetle.	ELATERIDAE	Adults feed on buds and blossoms. Larvae are scavengers under dead bark.	C
<u>Cariderus viridiaeneus</u>	Shiny black, flat bark-boring beetle.	PYTHIDAE	Larva feeds in dead wood.	C
<u>Caripeta aequaliaria</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Caripeta angustiorata</u>	Brown looper.	GEOMETRIDAE	Larva solitary defoliator.	C
<u>Caripeta divisata</u>	"Grey forest looper"	GEOMETRIDAE	Larva a solitary defoliator of hemlock and Douglas-fir and a wide range of conifers with a recorded infestation.	B
<u>Cateretes sericans</u>	Small dark sap feeding beetle.	NITIDULIDAE	Sap feeder.	C
<u>Catocala aholibah</u>	Large brown and red underwing moth.	NOCTUIDAE	Solitary defoliator on Garry oak.	C, D

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Catocala briseis</u>	Grey and red underwing moth.	NOCTUIDAE	Defoliator.	C
<u>Catocala relictata elda</u>	White and black underwing moth.	NOCTUIDAE.	Defoliator.	C, D
<u>Catonia nemoralis</u>	Small bug.	ACHILIDAE	Sap feeder.	C
<u>Catops egenus</u>	Small dark brown carrion beetle.	SILPHIDAE	Feeds on decaying matter.	E
CECIDOMYIDAE	Gall midges.		Gall formers.	C
<u>Celerio galli intermedia</u>	Sphinx moth.	SPHINGIDAE	Defoliator.	C
<u>Celerio lineata</u>	WHITE-LINED SPHINX	SPHINGIDAE	Defoliator.	C
Centipede	Numerous pairs of legs, not insects.		Scavengers.	E
<u>Centrodera spurca</u>	Large yellowish longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead wood.	C
<u>Celphalcia</u> sp.	Large orange web-spinning sawfly.	PAMPHILIIDAE	Defoliator of conifers.	C
<u>Cephaloon bicolor</u>	Tan or dark brown elongate flower beetle.	CEPHALOIDAE	Not known to cause damage.	C
<u>Cephaloon tenuicorne</u>	Tan or dark brown elongate flower beetle.	CEPHALOIDAE	Not known to cause damage.	C
CERAMBYCIDAE	Longhorn or round-headed wood borers.		Larvae bore and feed in weakened coniferous and deciduous trees, some are pests.	C

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<u>Ceranenota improvisa</u>	Silvery-brown moth.	THYATIRIDAE	Defoliator.	C
CERATOPOGONIDAE	The biting midges.		Scavengers and bloodsuckers.	B, C
CERCOPIDAE	Spittle bugs.		Sap feeders.	C
<u>Ceruchus striatus</u>	Large black or brown stag beetle.	LUCANIDAE	Feeds in decaying trees.	C
<u>Cerura occidentalis</u>	Puss moth.	NOTODONTIDAE	Defoliator of deciduous trees.	C, D
<u>Cerura scolopendrina</u>	Puss moth.	NOTODONTIDAE	Larva a solitary defoliator, mostly on willow.	C, D
<u>Ceuthophilus agassizii</u>	Camel cricket.	TETTIGIONIIDAE	Defoliator.	C
<u>Chlaenius pennsylvanicus</u>	Dull black ground beetle.	CARABIDAE	Defoliator.	C
CHALCIDAE	Tiny parasitic wasps.		Parasites.	E
<u>Chalcoides fulvicornis</u>	Small metallic brown flea beetle.	CHRYSOMELIDAE	Leaf skeletonizer on poplar and willow.	C
<u>Chalcophora angulicollis</u>	SCULPTURED PINE BORER. Large flat-headed wood-boring beetle.	BUPRESTIDAE	Larvae feed in dead and dying wood.	B
<u>Chariessa elegans</u>	Black and red beetle.	CLERIDAE	Predator.	D, E
<u>Chauliodes disjunctus</u>	Giant lacewing.	CORYDALIDAE	Aquatic predator.	C
<u>Chilocorus stigma</u>	Black, red 2-stabbed lady beetle.	COCCINELLIDAE	Predator.	E
Chilopoda	Centipedes, not insects.		Predator.	E

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CHIRONOMIDAE	Midges.		Feed on vegetable matter.	C
CHLOROPIDAE	Stem flies.		Feed in stems of grass and other plants.	C
<u>Chlorochroa ligata</u>	Green stink bug.	PENTATOMIDAE	Plant suckers,	C, B agricultural pest.
<u>Choristoneura conflictana</u>	LARGE ASPEN TORTRIX.	TORTRICIDAE	Sheltered, solitary, leaf roller, defoliat- or on a range of deciduous trees with periodic infest- ations on aspen in central B. C.	B, A
<u>Choristoneura fumiferana</u>	SPRUCE BUDWORM	TORTRICIDAE	Solitary, sheltered, miner which feeds on Douglas-fir, spruce, alpine fir, and a wide range of other conifers. One of the important forest insects.	B, A
<u>Choristoneura rosaceana</u>	OBLIQUE-BANDED LEAF ROLLER.	TORTRICIDAE	Solitary leaf-rolling defoliator on a wide range of deciduous hosts.	B
CHRYSIDIDAE	Metallic green or blue cuckoo wasp.		Parasitic on sand wasps.	D
<u>Chrysobothris carinipennis</u>	Sculptured black flat-headed wood boring beetle.	BUPRESTIDAE	Larvae are wood borers.	D
<u>Chrysobothris dentipes</u>	Large greyish flat- headed wood boring beetle.	BUPRESTIDAE	Larvae feed in dead and dying timber.	C
<u>Chrysobothris nixa</u>	Dull black flat- headed wood boring beetle.	BUPRESTIDAE	Larvae feed in moist dead wood.	C

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<u>Chrysobothris trinervia</u>	Sculptured black flat-headed wood boring beetle.	BUPRESTIDAE	Larvae feed in moist dead wood.	C
<u>Chrysochus colbaltinus</u>	Bright metallic blue leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizers.	C, D
CHRYSOMELIDAE	Leaf beetles.		Defoliators, skeletonizers.	B
<u>Chrysomela aeneicollis</u>	Leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer, defoliator, rare.	C
<u>Chrysomela alnicola littorea</u>	Leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer, defoliator.	C
<u>Chrysomela interrupta</u>	Leaf beetle.	CHRYSOMELIDAE	Solitary defoliator in larval stage, on alder and cottonwood.	C
<u>Chrysomela scripta</u>	COTTONWOOD LEAF BEETLE, orange, black-spotted.	CHRYSOMELIDAE	Leaf skeletonizer on cottonwood, occasionally numerous.	C
CHRYSOPIDAE	Lace wings.		Predators.	E
<u>Chrysophana placida</u>	FLATHEADED CONE BORER, flat-headed wood boring beetle.	BUPRESTIDAE	Larvae mine in cones and wood of conifers.	C, D
CICADELLIDAE	Leaf hoppers.		Plant suckers.	C
CICADIDAE	Cicadas.		Root feeders.	C
<u>Cicindella oregona</u>	Dark green-winged, yellow marked, blue bodied tiger-beetle.	CICINDELIDAE	Predator.	E
CICINDELIDAE	Tiger beetles.		Predators.	E



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<u>Cimbex americana</u>	ELM SAWFLY.	CIMBICIDAE	Solitary defoliator, C preferred host alder.	C
CIMBICIDAE	Large sawflies.		Defoliators.	C
<u>Cinara</u> sp.	Large dark aphids.	APHIDIDAE	Sucking insects on conifers.	C
CISIDAE	Minute tree-fungus beetle.		Feed in dead wood and fungus.	C
CIXIIDAE	Leaf hoppers.		Sap feeders.	C
<u>Cixius basalis</u>	"Lantern fly".	CIXIIDAE	Sap feeder.	C
<u>Clemensia albata</u>	Small arctiid.	ARCTIIDAE	Solitary defoliator on coniferous hosts.	C
<u>Glepsis persicana</u>	Small larva.	TORTRICIDAE	Solitary sheltered defoliator, leaf roller on Douglas-fir and a wide range of coniferous and deciduous hosts.	C
CLERIDAE	Checkered beetles.	CLERIDAE	Predators.	E
<u>Clinidium calcaratum</u>	Elongate reddish brown beetle.	RHYSODIDAE	Predator.	C
<u>Clytus planifrons</u>	Black and yellow longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead conifers.	C
COCCIDAE	Scale insects.		Sap feeders.	B
<u>Coccinella californica</u>	Orange and black banded lady beetle.	COCCINELLIDAE	Predator.	E

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<u>Coccinella monticola</u>	Orange and black banded lady beetle.	COCCINELLIDAE	Predator.	E
<u>Coccinella 9-notata</u>	Orange, black-spotted lady beetle.	COCCINELLIDAE	Predator.	E
<u>Coccinella trifasciata subversa</u>	3-banded lady beetle.	COCCINELLIDAE	Predator.	E
COCCINELLIDAE	Lady beetles.		Predaceous, mostly on aphids and scale insects.	E
<u>Coelocnemis columbiana</u>	Large black darkling beetle.	TENEBRIONIDAE	Scavenger.	E
<u>Coelostethus quadrulus</u>	Dark brown drug store beetle.	ANOBIIDAE	Bores into finished wood.	B
COENAGRIONIDAE	Damsel flies.		Predators, near water.	E
<u>Coenonympha kodiak</u>	Golden-orange butterfly.	SATYRIDAE	Defoliator.	C
COLEOPHORIDAE	Case-bearing caterpillars.		Defoliators.	C
Coleoptera	Beetles.		May be borers, defoliators, predators.	-
<u>Colias eurytheme</u>	ALFALFA CATERPILLAR, "clouded sulphur butterfly."	PIERIDAE	Defoliator.	C
Collembola	Spring tails .		Scavengers.	C
<u>Colopterus limbatus</u>	Black and yellow sap-feeding beetle.	NITIDULIDAE	Sap feeder.	C

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COLYDIIDAE	Cylindrical bark-beetles.		Feed in decaying vegetable matter.	C
<u>Colyidium</u> sp.	Small, long slender black beetle.	COLYDIIDAE	Feed in decaying vegetable matter.	C
<u>Colymbetes exaratus</u>	Large shiny brown diving beetle.	DYTISCIDAE	Predator.	E
<u>Compsolechia niveopulvella</u>	Small dark moth.	GELECHIIDAE	Defoliator.	C
<u>Coniodes plumogeraria</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator on Garry oak and vine maple.	C
<u>Coniontis ovalis</u>	Black darkling beetle.	TENEBRIONIDAE	Scavengers.	C
CONIOPTERYGIDAE	Dusty lacewing flies.		Predators.	E
<u>Conophthorus monticolae</u>	Black pine-cone beetle.	SCOLYTIDAE	Mines and feeds in pine cones.	C
<u>Conopia albicornis</u>	Clear-wing moth.	AEGERIIDAE	Larvae are wood borers in willow.	C
<u>Contarinia</u> spp.	Douglas-fir needle midges.	CECIDOMYIDAE	Solitary leaf gall maker in needles of Douglas-fir.	B
<u>Coptodisca arbutiella</u>	"Madrona shield bearer".	HELIOZELIDAE	Leaf miner of Arbutus which pupates between layers of leaf which drop out to form "shield"- leaving "shot holes".	C
<u>Cordulegaster dorsalis</u>	Large dragon fly.	AESCHNIDAE	Predator.	E

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COREIDAE	Squash bugs.		Sap feeders.	C, B
<u>Corinthiscus fasciatus</u>	Elongate brown beetle.	CLERIDAE	Predator.	E
CORIZIDAE	Plant bugs.		Sap feeders.	C
Corrodentia	Bark lice, psocids, etc.		Scavengers.	C
<u>Corticaria dentigera</u>	Tiny brown beetle.	LATHRIDIIDAE	Probably a scavenger.	C
CORYDALIDAE	Fish flies.		Predators.	E
<u>Coryphista meadi</u>	A looper.	GEOMETRIDAE	Defoliator.	C, D
<u>Corythucha padi</u>	Black and white lace bug.	TINGIDAE	Sap feeder.	C
<u>Corythucha salicata</u>	Black and white lace bug.	TINGIDAE	Sap feeder.	C
<u>Cosmopepla bimaculata</u>	Black and orange stink bug.	PENTATOMIDAE	Sap feeder.	C
COSSIDAE	Carpenter moths.		Larvae bore into wood of deciduous trees.	B
<u>Cossonus piniphilus</u>	Small elongate black weevil.	CURCULIONIDAE	Bores under bark and into heartwood of trees.	C
<u>Cosymbia dataria</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator of Garry oak.	C

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<u>Cosymbia pendulinaria</u> <u>griseor</u>	Green looper.	GEOMETRIDAE	Solitary defoliator of alder.	C
<u>Coxelus pacificus</u>	Grey speckled beetle.	COLYDIIDAE	Scavenger.	E
<u>Crambus</u> sp.	Grass borer.	PYRALIDAE	Stem borer.	C
<u>Crambus nevadellus</u>	Grass borer.	PYRALIDAE	Stem borer.	C
<u>Creophilus villosus</u>	Rove beetle.	STAPHYLINIDAE	Predator, scavenger.	E
<u>Crioceris asparagi</u>	ASPARAGUS BEETLE black, red and yellow leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C, D
CRYPTOPHAGIDAE	Silken fungus- beetles		Feed in fungus.	C
<u>Crypturgus borealis</u>	Very tiny brown bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Ctenicera aereipennis</u>	Dark metallic green click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera angusticollis</u>	Large dark brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera bombycina</u>	Reddish-brown click beetle, indistinct bands.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera callida</u>	Black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera cruciata</u> <u>festiva</u>	Brown and black- striped click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C



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<u>Ctenicera furtiva</u>	Iridescent brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera insidiosa</u>	Tan and black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera lobata</u>	Dark brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera moerens</u>	Dark brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera nebraskensis</u>	Brown, 3-banded click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera nigricollis</u>	Large brown click beetle with black spots.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera ochreipennis</u>	Two-shaded brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera propola columbiana</u>	Tan and black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera pudica</u>	Tan and black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera resplendens</u> <u>resplendens</u>	Metallic green click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera semimetallica</u>	Large irridescent greenish blue click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera suckleyi</u>	Large black, yellow-marked click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C

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<u>Ctenicera sylvatica</u>	Large greyish click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera triundulata</u>	5-banded click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera umbricola</u>	Large black click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera umbripennis</u>	Yellow and black-spotted click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera varia</u>	Dark brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Ctenicera volitans</u>	Reddish brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
CUCUJIDAE	Very flat beetle.		Scavengers, often under bark.	E
<u>Cucujus clavipes</u>	Flat beetle .	CUCUJIDAE	Scavenger, often under bark.	E
CULICIDAE	Mosquitoes		Larvae aquatic, feed on algae and plankton, female adults are blood suckers, nuisance to people and sometimes carry disease organisms.	C
CURCULIONIDAE	Weevils or snout beetles.		Bore into wood, roots, seeds, etc.	C,B
<u>Cychrus tuberculatus</u>	Large warty black ground beetle.	CARABIDAE	Predator.	E
<u>Cycloneda munda</u>	Scarlet lady beetle.	COCCINELLIDAE	Predator.	E
<u>Cycloneda sanguinea</u>	Scarlet lady beetle.	COCCINELLIDAE	Predator.	E
CYNIPIDAE	Gall wasps.		Gall formers on deciduous trees.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Cyphoderris monstrosa</u>	Camel cricket.	TETTIGONIIDAE	Defoliator.	C
<u>Cyphon brevicollis</u>	Small brown beetle.	HELODIDAE	Not known.	C
<u>Cyphon concinnus</u>	Black and red beetle.	HELODIDAE	Not known.	C
<u>Cyphon variabilis</u>	Small brown beetle.	HELODIDAE	Not Known.	C
<u>Dalopius tristis</u>	Medium small brown click beetle.	ELATERIDAE	Root feeder in larval stage.	C
<u>Dargida procincta</u>	Cutworm.	NOCTUIDAE	Defoliator.	C
DASCILLIDAE	Soft-bodied plant beetles.		Root feeders.	C
<u>Dasypyga alternosquamella stictophorella</u>	Small moth.	PYRALIDAE	Defoliator of mistletoe.	D
<u>Deilinia erythemaria erythemaria</u>	Green looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Deilinia exanthemata bryantaria</u>	Yellowish green looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Dendroctonus brevicomis</u>	WESTERN PINE BEETLE	SCOLYTIDAE	Bores and feeds in cambium of pines.	B, A
<u>Dendroctonus murrayanae</u>	Lodgepole pine bark boring beetle. LODGEPOLE-PINE BEETLE	SCOLYTIDAE	Bores and feeds in cambium of pines.	B, A
<u>Dendroctonus obsesus</u>	Spruce bark beetle.	SCOLYTIDAE	Bores and feeds in cambium of spruce.	B, A
<u>Dendroctonus ponderosae</u>	Mountain pine bark boring beetle.	SCOLYTIDAE	Bores and feeds in cambium of pines.	B, A

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Dendroctonus pseudotsugae</u>	DOUGLAS-FIR BARK BEETLE.	SCOLYTIDAE	Bores and feeds in cambium of Douglas-fir.	B, A
<u>Dendroctonus valens</u>	RED TURPENTINE BEETLE.	SCOLYTIDAE	Bores and feeds in cambium of conifers.	B
<u>Dendroides ephemeroides</u>	Large elongate tan beetle.	PYROCHROIDAE	Feed under bark of dead trees.	E
<u>Dendrophagus</u> sp.	Small flat beetle.	CUCUJIDAE	Scavenger.	C
<u>Deraeocoris</u> sp.	Red and brown plant bug.	MIRIDAE	Sap feeder.	C
<u>Dermestes lardarius</u>	LARDER BEETLE, black and white.	DERMESTIDAE	Feed on dried or decaying matter.	C
<u>Dermestes talpinus</u>	Black LARDER BEETLE.	DERMESTIDAE	Feed on dried or decaying matter.	C
<u>Dermestes</u> sp.	Larder beetles.	DERMESTIDAE	Feed on dried or decaying matter.	C, B
DERMESTIDAE	Larder beetles.		Feed on dried or decaying matter.	C, B
<u>Desmocerus cribripennis</u>	Green and yellow metallic longhorn beetle.	CERAMBYCIDAE	Bore and feed in moist dead wood.	C, D
<u>Deuteronomos magnarius</u>	Large looper.	GEOMETRIDAE	Solitary defoliator on alder.	C
<u>Diachus cataris</u>	Tiny blue leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer on willow.	C
<u>Diacrisia pteridis</u>	Brown woolly bear caterpillar.	ARCTIIDAE	Defoliator on ground cover.	C, D

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Diacrisia virginica</u>	YELLOW WOOLLY BEAR	ARCTIIDAE	Solitary defoliat- or on lady fern and alder, willow and cascara, and garden plants.	C
<u>Diactinia silaceata</u> <u>abolineata</u>	Looper.	GEOMETRIDAE	Defoliator.	C
<u>Diarsia esurialis</u>	Cutworm	NOCTUIDAE	Solitary defoliat- or on hemlock.	C
<u>Dicentrus bluthneri</u>	Tiny black and tan longhorn beetle.	CERAMBYCIDAE	Wood borer.	C,D
<u>Dicerca crassicollis</u>	Black mottled flat- headed boring beetle.	BUPRESTIDAE	Mines in Douglas- fir.	C
<u>Dicerca prolongata</u>	Black mottled flat- headed wood boring beetle.	BUPRESTIDAE	Mines in cottonwood.	C
<u>Dicerca tenebrosa</u>	Black mottled flat- headed wood boring beetle.	BUPRESTIDAE	Bores and feeds in dead conifers.	C
<u>Dicheirus sp.</u>	Striated black ground beetle.	CARABIDAE	Predator.	E
<u>Dichelonyx backi</u>	GREEN ROSE CHAFER, metallic green leaf chafer.	SCARABAEIDAE	Larvae are root feeders, adults are defoliators on a wide range of trees and ground cover.	C
<u>Dichelonyx fulgida</u>	Metallic leaf chafer.	SCARABAEIDAE	Larvae are root feeders, adults are defoliators on Douglas- fir, hemlock and other hosts.	C
<u>Dichelonyx sp.</u>	Leaf chafer.	SCARABAEIDAE	Not well known.	D
<u>Dichomeris marginella</u>	JUNIPER WEBWORM	GELECHIIDAE	Defoliating, sheltered colonial webmaker on the junipers.	B



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Dichrooscytus</u> sp.	Green plant bug.	MIRIDAE	Sap feeder.	C
<u>Dicosmoecus atripes</u>	Grey-brown caddis fly.	LIMNEPHILIDAE	Predator.	E
<u>Dicosmoecus unicolor</u>	Large tan caddis fly.	LIMNEPHILIDAE	Predator.	E
<u>Dictyopterus hamatus</u>	Flat red net-winged beetle.	LYCIDAE	Predator.	E
<u>Dictyopterus laetus</u>	Flat reddish net-winged beetle.	LYCIDAE	Predator.	E
<u>Dictyopterus simplicipes</u>	Flat reddish net-winged beetle.	LYCIDAE	Predator.	E
<u>Dioryctria abietivorella</u>	FIR CONEWORM	PYRALIDAE	Cone feeder, also solitary bud and shoot borer in Douglas-fir and other conifers.	B
<u>Dioryctria pseudotsugella</u>	Small variegated grey moth.	PYRALIDAE	Solitary defoliator of Douglas-fir.	C
<u>Dioryctria reniculella</u>	SPRUCE CONEWORM	PYRALIDAE	Solitary defoliator and cone feeder on spruce and other conifers.	B
<u>Dioryctria zimmermanni</u>	ZIMMERMAN PINE MOTH	PYRALIDAE	Terminal miner and borer, often associated with <u>Cronartium</u> galls and pitch exudations.	C
<u>Dioryctria</u> sp.	Small bud and cone moths.	PYRALIDAE	Feed in cones, buds, shoots and pitch of conifers.	C, B
<u>Diplolepis rosae</u>	MOSSY-ROSE-GALL WASP	CYNIPIDAE	Large rough stem gall on rose.	C

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<u>Diplolepis variabilis</u>	Spiny rose-gall wasp.	CYNIPIDAE	Globular leaf gall on rose.	C
Diplopoda	Millipedes .		Scavengers.	E
<u>Diplotaxis brevicollis</u>	Large brown leaf chafer beetle.	SCARABAEIDAE	Larvae are root feeders, adults foliage feeders.	C
DIPRIONIDAE	Sawflies .		Defoliators.	C
Diptera	Flies.		Mostly parasites or scavengers.	E, C
<u>Dissosteira carolina</u>	CAROLINA GRASSHOPPER, slate grey, yellow bordered wing.	ACRIDIDAE	Defoliator, agricultural pest.	C
<u>Ditylus gracilis</u>	Large black beetle.	OEDEMERIDAE	Mine in stumps.	C
<u>Ditylus quadricollis</u>	Large black beetle.	OEDEMERIDAE	Mine in rotten wood.	C
DOLICHOPODIDAE	Long-legged flies.		Predators.	E
<u>Dolurgus pumilus</u>	Tiny brown bark beetle.	SCOLYTIDAE	Bores into conifers.	C
<u>Donacia emarginata</u>	Black leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C
<u>Donacia germari</u>	Metallic green or bronze leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C
<u>Donacia proxima</u>	Metallic green or bronze leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C
<u>Dorytomus luridus</u>	Small brown speckled weevil.	CURCULIONIDAE	Twig or bud borer .	C

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<u>Drasterius debilis</u>	Small brown click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Drepana arcuata</u>	Green and brown larva, hook-tipped moth.	DREPANIDAE	Defoliator.	C
DREPANIDAE	Tufted larvae.		Defoliators.	C
<u>Dromaeolus basalis</u>	Black wood bark boring beetle.	MELASIDAE	Feed in decaying wood.	C
<u>Dryocoetes affaber</u>	Small brown bark beetle.	SCOLYTIDAE	Tunnel and feed in cambium of conifers.	C
<u>Dryocoetes confusus</u>	WESTERN BALSAM BARK BEETLE	SCOLYTIDAE	Bore and feed in cambium of true firs. Carriers of <u>Ceratocystis</u> sp. which causes bark lesions which are capable of girdling a tree.	B,A
<u>Dryocoetes pseudotsugae</u>	Small dark bark beetle.	SCOLYTIDAE	Bore and feed in cambium of conifers.	C
<u>Dryocoetes septentrionis</u>	Small dark bark beetle.	SCOLYTIDAE	Bore and feed in cambium of spruce.	C
<u>Dyslobus decoratus</u>	Speckled brown weevil.	CURCULIONIDAE	Root borer.	C
<u>Dyslobus granicollis</u>	Large speckled brown weevil.	CURCULIONIDAE	Root borers.	C
<u>Dyslobus tanneri</u>	Medium speckled brown weevil.	CURCULIONIDAE	Root borers.	C
<u>Dyslobus verrucifer</u>	Large speckled grey weevil.	CURCULIONIDAE	Root borers.	C
<u>Dysmicohermes disjunctus</u>	Large flat fish fly.	CORYDALIDAE	Predator.	E

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<u>Dysstroma citrata</u>	Small pale green looper.	GEOMETRIDAE	Solitary defoliator on alder and willow.	C
<u>DYTISCIDAE</u>	Diving beetles.		Predaceous water beetles.	E
<u>Dytiscus hatchi</u>	Large brown diving beetle, oval with one pair of legs long and adapted to swimming.	DYTISCIDAE	Predaceous.	E
<u>Dytiscus marginicollis</u>	Large brown diving beetle, oval with one pair of legs long and adapted to swimming.	DYTISCIDAE	Predaceous.	E
<u>Eanus decoratus</u>	Small black, yellow-spotted click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Eanus granicollis</u>	Small black, yellow-spotted click beetle.	ELATERIDAE	Larvae (wireworms) are root feeders.	C
<u>Europhila niveifasciata</u>	Brown looper.	GEOMETRIDAE	Defoliator.	D
<u>Ectropis crepuscularia</u>	"Saddle-backed looper."	GEOMETRIDAE	Solitary defoliator of hemlock, cedar and numerous other trees and ground cover. Reaches infestation proportion occasionally.	B, A
<u>Elaphrus spp.</u>	Sand beetles.	CARABIDAE	Predators.	E, D
<u>Elasmotethus cruciatus</u>	Triangular reddish stink bug.	PENTATOMIDAE	Predator.	E
<u>ELATERIDAE</u>	Click beetles.		Larvae (wireworms) are mostly root feeders. Some are agricultural pests.	C
<u>Eleates explanatus</u>	Small black striated darkling beetle.	TENEBRIONIDAE	Scavenger.	E

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<u>Eleodes manni</u> <u>variolosa</u>	Medium size black darkling beetle.	TENEBRIONIDAE	Scavenger.	E
<u>Elpiste lorquinaria</u>	Looper.	GEOMETRIDAE	Solitary defoliator.	C
EMPIDAE	Dance flies.		Predators.	E
<u>Empoasca</u> sp.	Leaf hopper.	CICADELLIDAE	Sap feeder.	C
<u>Enallagma boreale</u>	Damsel fly.	COENAGRIONIDAE	Predator.	E
ENCYRTIDAE	Parasitic wasps.		Parasites.	E
<u>Enicospilus purgatus</u>	Parasitic wasp.	ICHNEUMONIDAE	Parasite.	E
ENDOMYCHIDAE	Fungus beetles.		Feed in fungus or under bark.	C
<u>Enoclerus eximius</u>	Black and red checkered beetle.	CLERIDAE	Predator.	E, D
<u>Enoclerus humeralis</u>	Small mottled dark checkered beetle.	CLERIDAE	Predator.	E
<u>Enoclerus lecontei</u>	Small black and white checkered beetle.	CLERIDAE	Predator.	E
<u>Enoclerus sphegeus</u>	Large black and white checkered beetle.	CLERIDAE	Predator.	E
<u>Entomoscelis americana</u>	RED TURNIP BEETLE, red, black-striped leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer.	C, D
<u>Enypia packardata</u>	"Red-headed looper"	GEOMETRIDAE	Solitary defoliator on Douglas-fir and other conifers.	C
<u>Enypia venata</u>	Brown striped looper.	GEOMETRIDAE	Solitary defoliator on hemlock, Douglas-fir and other conifers.	C,

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EPHEMERIDAE	May flies.		Scavengers	E
<u>Ephestia kuehniella</u>	Small pale brown moth.	PYRALIDAE	Seed feeder.	C,B
<u>Epicauta</u> sp.	Blister beetles.	MELOIDAE	Predator.	E,D
<u>Epicnaptera americana</u>	LAPPET MOTH Large fringed grey caterpillar.	LASIOCAMPIDAE	Solitary defoliator mostly on willow and alder.	C
<u>Epinotia albangulana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, C leaf roller on alder and willow.	C
<u>Epinotia crenana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator C and leaf roller on arbutus and willow.	C
<u>Epinotia emarginana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, C leaf roller on willow aspen and oak.	C
<u>Epinotia hopkinsana</u>	"Pine moth"	OLETHREUTIDAE	Bud and cone feeder.	B
<u>Epinotia johnsonana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, C leaf roller, on spirea.	C
<u>Epinotia lomonana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, C leaf roller, on vine maple.	C
<u>Epinotia nanana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, C leaf roller which webs terminal needles of blue spruce.	C
<u>Epinotia nigralbana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, C leaf roller on arbutus.	C



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<u>Epinotia plumbolineana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator or from willow.	C
<u>Epinotia solandriana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, leaf roller from a wide variety of deciduous hosts.	C
<u>Epinotia subviridis</u>	Small moth.	OLETHREUTIDAE	Defoliator, sheltered colonial web-maker from cedar and cypress.	C
<u>Epinotia terracoctana</u>	Small moth.	OLETHREUTIDAE	Solitary defoliator, leaf roller.	C
<u>Eiphanis cornutus</u>	Small brown wood boring beetle.	MELASIDAE	Feed in decaying wood.	C
<u>Eiptera confusa</u>	Grey brown leaf hopper.	CICADELLIDAE	Sap feeders.	C
<u>Epirrita autumnata</u>	"Green Velvet Looper"	GEOMETRIDAE	Solitary defoliator of hemlock and a wide range of coniferous hosts, occasionally reaching infestation proportions.	B
<u>Epirrita pulchraria</u>	"White Lined Looper"	GEOMETRIDAE	Solitary defoliator mostly from hemlock and Douglas-fir.	C, B
<u>Epitrix subcrinita</u>	WESTERN POTATO FLEA BEETLE, tiny brown flea beetle.	CHRYSOMELIDAE	Skeletonizer, root borer	C
<u>Eपुरaea spp.</u>	Small sap feeding beetles.	NITIDULIDAE	Feed under bark of dead trees.	C
<u>Erannis vancouverensis</u>	Yellow and brown lined looper, "Western Winter Moth".	GEOMETRIDAE	Solitary defoliator, B on maple and a wide range of deciduous hosts, occasionally causing localized severe defoliation.	B

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<u>Eremocoris</u> sp.	Elongate brown bug.	LYGAEIDAE	Sap feeder.	C
<u>Ergates spiculatus</u>	Very large brown sawyer beetle.	CERAMBYCIDAE	Larvae bore and feed in dead Douglas-fir and other coniferous material, probably assisting to break down old stumps, etc.	E
ERIOPHYIDAE	Leaf mites.		Sap feeders which cause rough, spongy areas on leaves and may appear like a disease.	C
<u>Eristalis tenax</u>	Drone or flower fly.	SYRPHIDAE	Scavengers.	E
<u>Ernobius punctulatus</u>	Small brown branch boring beetle.	ANOBIIDAE	Mine in dead branches of conifers.	C
<u>Eronyxa pilosulus</u>	Small hairy brown beetle.	OSTOMIDAE	Scavengers.	E
EROTYLIDAE	"Pleasing Fungus-beetles" .		Feed in decaying wood or fungus.	C
<u>Erynnis propertius</u>	Brown "skipper" butterfly.	HESPERIIDAE	Solitary defoliator on oak.	C
<u>Eucinetus infumatus</u>	Brown oval fungus beetle.	DASCILLIDAE	Feed in fungus.	C
EULOPHIDAE	Parasitic wasps.		Parasites.	E
<u>Eucordylea atripictella</u>	Small red-striped budworm.	GELECHIIDAE	Solitary leaf roller in new foliage and buds of Douglas-fir and numerous other conifers.	C

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<u>EUMENIDAE</u>	Pottery wasps.		Predators.	E
<u>Eumichthus oedipus</u>	Small brown and tan longhorn beetle.	CERAMBYCIDAE	Mines in dead moist wood.	C
<u>EUPELMIDAE</u>	Parasitic wasps.		Parasites.	E
<u>Euphydryas taylori</u>	"Crescent spot" butterfly.	NYPHALIDAE	Defoliator on herbage.	C
<u>Euphyllura arbuti</u>	Powdery white jumping plant louse.	PSYLLIDAE	Sap feeder.	C
<u>Eupsilia tristigmata</u>	Brown cutworm.	NOCTUIDAE	Defoliator.	C
<u>Eupithecia annulata</u>	Small brownish looper.	GEOMETRIDAE	Defoliator.	C
<u>Eupithecia filmata</u>	Small greenish looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Eupithecia fletcherata</u>	Small looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Eupithecia harrisonata</u>	Small brown looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Eupithecia longipalpata</u>	Small green looper.	GEOMETRIDAE	Solitary defoliator from Douglas-fir and other conifers.	C
<u>Eupithecia luteata</u> <u>bifasciata</u>	Small looper.	GEOMETRIDAE	Solitary defoliator from conifers.	C
<u>Eupithecia maestosa</u> <u>harlequinaria</u>	Small looper.	GEOMETRIDAE	Solitary defoliator from Arbutus, alder, oak and cherry.	C

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<u>Eupithecia ornata</u>	Small looper.	GEOMETRIDAE	Solitary defoliator on lodgepole and white pines.	C
<u>Eupithecia ravocostaliata</u>	Small looper.	GEOMETRIDAE	Solitary defoliator on willow and other deciduous trees.	C
<u>Eupithecia unicolor</u>	Green looper.	GEOMETRIDAE	Solitary defoliator on cedar and other conifers.	C
<u>Eupithecia vancouverata</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator from Arbutus.	C
<u>Eupsilia tristigmata</u>	Reddish cutworm.	NOCTUIDAE	Solitary defoliator on maple and cran- berry.	C
<u>Eurygenius campanulatus</u>	Brownish tree beetle.	PEDILIDAE	Feed under bark.	C
EURYTOMIDAE	Parasitic wasps.		Parasites.	E
<u>Euschistus variolarius</u>	ONE-SPOT STINK BUG, Brown stink bug.	PENTATOMIDAE	Sap feeder.	C
<u>Eustroma fasciata</u>	Green looper.	GEOMETRIDAE	Defoliator.	C
<u>Euthyatira pudens</u>	"Dogwood cutworm".	THYATIRIDAE	Solitary defoliator, on flowering dogwood and red osier dogwood.	C
<u>Euura californica</u>	Leaf-gall sawfly.	TENTHREDINIDAE	Gall formers.	C
<u>Euxoa brocha</u>	Cutworm.	NOCTUIDAE	Defoliator.	C
<u>Euxoa messoria</u>	Brown cutworm.	NOCTUIDAE	Herbage feeder.	C

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<u>Euxoa excellens</u>	Brown cutworm.	NOCTUIDAE	Herbage feeder.	C
<u>Euxoa infausta</u>	Brown cutworm.	NOCTUIDAE	Herbage feeder.	C
<u>Evodinus vancouveri</u>	Yellow and black speckled longhorn beetle.	CERAMBYCIDAE	Mines and feeds in moist dead wood.	C
<u>Evotus naso</u>	Grey mottled weevil.	CURCULIONIDAE	Not known.	C
<u>Feralia comstocki</u>	Green and white forest cutworm.	NOCTUIDAE	Solitary defoliator on hemlock, Douglas-fir and other conifers.	C
<u>Feralia jocosu</u>	Green and white forest cutworm.	NOCTUIDAE	Solitary defoliator on Douglas-fir, hemlock and other conifers.	C
<u>Forficula auricularia</u>	EUROPEAN EARWIG.	FORFICULIDAE	Defoliators, and scavengers.	B
FORFICULIDAE	Earwigs.		Defoliators, scavengers.	B
FORMICIDAE	Ants.		Scavengers, some tunnel in wood.	C,B
FULGORIDAE	Lantern flies.		Sap feeders.	C
<u>Gabriola dyari</u>	"Brown-banded looper".	GEOMETRIDAE	Solitary defoliator on Douglas-fir, hemlock and other conifers.	C
<u>Galerucella carbo</u>	PACIFIC WILLOW LEAF BEETLE, black willow leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer, preferred host willow.	B
<u>Galerucella nymphaeae</u>	WATERLILY LEAF BEETLE, yellowish brown leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Galerucella punctipennis</u>	Brown or slate coloured leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer, preferred host alder.	B
GASTERUPTIIDAE	Parasitic wasps.		Parasite.	E
<u>Gastrodes pacificus</u>	Flat reddish cone-bug.	LYGAEIDAE	Predator.	E
<u>Gaurotes cressoni</u>	Green, yellow-legged longhorn beetle.	CERAMBYCIDAE	Larva bores in moist dead wood.	C
GELECHIIDAE	Small leaf mining moths.		Larvae mine in leaves, seeds, etc.	C, B
<u>Gelus californicus</u>	Small mottled weevil.	CURCULIONIDAE	Larvae are bark and cambium feeders in roots of white pine and other conifers and alder.	C
GEOMETRIDAE	Loopers, includes some important forest pests.		Defoliators.	C
GERRIDAE	Water striders.		Predators.	E
<u>Gerris orba</u>	Dull black water strider.	GERRIDAE	Predator.	E
<u>Gilpinia polytoma</u>	Sawfly.	DIPRIONIDAE	Defoliator.	C
<u>Glaucopsyche lygdamus columbia</u>	Gossamer-winged butterfly.	LYCAENIDAE	Defoliator.	C
<u>Glischrochilus</u> sp.	Sap feeding beetles.	NITIDULIDAE	Sap feeders.	C
GLYPHIPTERYGIDAE	Small moths.		Defoliators.	C
<u>Glyphopsyche bellus</u>	Fish fly.	LIMNEPHILIDAE	Water scavenger.	E
<u>Glyptoscelis albida</u>	Grey leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Gnathotrichus alni</u>	Elongate black ambrosia beetle.	SCOLYTIDAE	Adults bore in wood .	C, B
<u>Gnathotrichus retusus</u>	Elongate brown ambrosia beetle.	SCOLYTIDAE	Adults bore in wood, less common than <u>Trypodendron lineatum</u> .	B, A
<u>Gnathotrichus sulcatus</u>	Elongate brown ambrosia beetle.	SCOLYTIDAE	Adults bore in wood.	C, B
<u>Gonocallus collaris</u>	Black and red longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in wood of cottonwoods.	C
<u>Gracillaria alnivorella</u>	Small brownish moth.	GRACILLARIIDAE	Solitary defoliator, leaf blotch miner in folded section of leaves of alder, oak and cascara.	C
<u>Gracillaria invariabilis</u>	Small brownish moth.	GRACILLARIIDAE	Solitary blotch miner in fold of leaf on red alder and other deciduous trees.	C
GRACILLARIIDAE	Small moths.		Leaf blotch miners.	C
<u>Grammoptera filicornis</u>	Black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dead wood of flowering dogwood.	C
<u>Graphopsocus cruciatus</u>	Bark louse.	PSOCIDAE	Scavenger.	E
<u>Griselda radicana</u>	Small moth.	OLETHREUTIDAE	Bud borer and solitary defoliator of Douglas-fir and a wide range of coniferous hosts.	B
GRYLLIDAE	Mole crickets.		Defoliators.	C
GYRINIDAE	Whirligig beetles.		Predators.	E



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Gyrinus picipes</u>	Whirligig beetle.	GYRINIDAE	Predator.	E
<u>Habrosyne scripta</u>	Cutworm.	THYATIRIDAE	Solitary defoliator of hemlock.	C
<u>Hadrobregmus carinatus</u>	Brown death-watch beetle.	ANOBIIDAE	Bore into finished wood.	B
<u>Hadrobregmus destructor</u>	Striated grey death-watch beetle.	ANOBIIDAE	Bore into finished wood.	B
<u>Hadrobregmus gibbicollis</u>	Small reddish brown death-watch beetle.	ANOBIIDAE	Bore into finished wood.	B
HALICTIDAE	Sweat bees.		Pollinators.	E
<u>Halisidota argentata</u>	SILVER SPOTTED TIGER MOTH.	ARCTIIDAE	Exposed colonial defoliator with a small web as the nucleus of the colony on Douglas-fir and other conifers.	B
<u>Halisidota maculata angulifera</u>	Black and yellow woolly bear caterpillar.	ARCTIIDAE	Solitary defoliator on red alder, other deciduous trees and a few conifers.	C
<u>Hallomemus</u> sp.	Small brown fungus beetle.	MELANDRYIDAE	Feeds on fungus.	C
<u>Harmostes reflexulus</u>	Yellowish plant bug.	CORIZIDAE	Sap feeder.	C
<u>Harpalus affinis</u>	Ground beetle.	CARABIDAE	Predator.	E
<u>Hedia ochroleucana</u>	Small mottled brownish moth.	OLETHREUTIDAE	Defoliator, solitary leaf roller, on native rose and apple.	C
<u>Helochara communis</u>	Bright green leaf hopper.	CICADELLIDAE	Sap feeder.	C

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<u>Helodes apicalis</u>	Black and tan beetle.	HELODIDAE	On plants near water.	C
HELODIDAE	Small beetles.		On plants near water.	C
HELOMYZIDAE	Small flies.		Scavengers.	E
<u>Helops laetus</u>	Metallic brown darkling beetle.	TENEBRIONIDAE	Feeds under bark.	C
<u>Helops permitens</u>	Large shiny bronzed darkling beetle.	TENEBRIONIDAE	Feeds under bark.	C
<u>Hemaris diffinis</u> <u>rubens</u>	Hawk moth.	SPHINGIDAE	Defoliator.	C
HEMEROBIIDAE	Brown lacewings.		Predators.	E
<u>Hemerobius pacificus</u>	Brown lacewing.	HEMEROBIIDAE	Predator.	E
<u>Hemichroa crocea</u>	STRIPED ALDER SAWFLY.	TENTHREDINIDAE	Colonial defoliator of red alder and occasionally other deciduous trees.	B
<u>Hemicrepidius morio</u>	Large black click beetle.	ELATERIDAE	Larvae are root feeders.	C
<u>Hemicrepidius oregonus</u>	Small black and yellow click beetle.	ELATERIDAE	Larvae are root feeders.	C
Hemiptera	True bugs.		Sap feeders or predators.	C
<u>Henricus fusco-</u> <u>dorsana</u>	Small moth.	PHALONIDAE	Cone borers.	C
HEPIALIDAE	"swifts" moths.	HEPIALIDAE	Root feeders.	C

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<u>Hepialus mathewi</u>	Pale orange moth.	HEPIALIDAE	Root feeders.	C
HESPERIIDAE	"skipper" butterflies.		Defoliators.	C
<u>Hesperumia sulphuraria</u>	Brownish looper.	GEOMETRIDAE	Defoliator.	C
<u>Hippodamia lecontei</u>	Black-spotted orange lady beetle.	COCCINELLIDAE	Predator.	E
<u>Hippodamia moesta moesta</u>	Black, orange-spotted lady beetle.	COCCINELLIDAE	Predator.	E
<u>Hippodamia oregonensis</u>	Orange lady beetle, black spots.	COCCINELLIDAE	Predator.	E
<u>Hippodamia parenthesis</u>	Orange, black-speckled lady beetle.	COCCINELLIDAE	Predator.	E
<u>Hister abbreviatus</u>	Black steel beetle.	HISTERIDAE	Feeds on vegetable and animal matter.	C
<u>Hister umbrosus</u>	Shiny black steel beetle.	HISTERIDAE	Feeds on vegetable and animal matter.	C
HISTERIDAE	Steel beetles.		Feed on vegetable and animal matter.	C
<u>Hoffmannophila lacteella</u>	"White-shouldered house-moth".	OECOPHORIDAE	Web-spinning solitary defoliator.	C
<u>Hoffmannophila pseudospretella</u>	BROWN HOUSE MOTH	OECOPHORIDAE	Leaf webber, defoliator on Garry oak and other broadleaved hosts.	C
<u>Holciophorus ater</u>	Large black ground beetle.	CARABIDAE	Predator.	E

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<u>Holopleura marginata</u>	Black and red long-horn beetle.	CERAMBYCIDAE	Bores into bark and wood.	C
<u>Homoglaea carbonaria</u>	Greenish aspen-cutworm.	NOCTUIDAE	Defoliator of willow and cottonwood.	C
<u>Homoglaea dives</u>	Brown cutworm.	NOCTUIDAE	Solitary defoliator of willow and cottonwood.	C
Homoptera	Cicadas, leaf aphids etc.		Plant feeders, often sap feeders.	C
<u>Hoppingiana hudsonica</u>	Small black soft-winged flower beetle.	MELYRIDAE	Predator.	E
<u>Hyalophora euryalus</u>	CEANOTHUS SILK MOTH.	SATURNIIDAE	Solitary defoliator of red alder and occasionally others.	C
<u>Hybodera tuberculata</u>	Reddish mottled longhorn beetle.	CERAMBYCIDAE	Bores into dead wood.	C
<u>Hydria undulata</u>	Looper.	GEOMETRIDAE	Solitary defoliator web maker, generally spins two or three leaves together on aspen willow etc.	C
<u>Hydriomena crockeri</u>	Brown oak looper.	GEOMETRIDAE	Defoliator.	D
<u>Hydriomena furcata</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator, on willow and others.	C
<u>Hydriomena irata</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator on hemlock and a wide range of conifers and alder.	C
<u>Hydriomena manzanita</u>	Greenish looper.	GEOMETRIDAE	Solitary defoliator on Arbutus .	C

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<u>Hydriomena marinata</u> <u>exasperata</u>	Looper	GEOMETRIDAE	Solitary defoliator on Douglas-fir and others.	C
<u>Hydriomena</u> <u>nubilo fasciata</u>	Looper.	GEOMETRIDAE	Solitary defoliator on Garry oak.	C
<u>Hydriomena renunciata</u> <u>columbiata</u>	"Western transverse banded looper."	GEOMETRIDAE	Solitary defoliator on red and sitka alders.	C
<u>Hydriomena speciosata</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator on Douglas-fir and other conifers.	C
<u>Hydrobius fuscipes</u>	Water scavenger beetle.	HYDROPHILIDAE	Scavenger.	E
HYDROPHILIDAE	Water scavenger beetles.		Scavengers.	E
<u>Hylastes nigrinus</u>	Black bark-boring beetle.	SCOLYTIDAE	Bores into bark of Douglas-fir, hemlock and other conifers.	C
<u>Hyllobius piceus</u>	Large white-speckled black weevil lacking membranous wings.	CURCULIONIDAE	Root-crown bark borers, sometimes girdling, on spruce, pine and other conifers.	B
<u>Hyllobius pinicola</u>	Large white-speckled black weevil.	CURCULIONIDAE	Cambium feeder on roots.	B
<u>Hylurgops lecontei</u>	Small black bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Hylurgops rugipennis</u>	Brown bark beetle.	SCOLYTIDAE	Bark borer.	C
Hymenoptera	Sawflies, parasites, wasps, ants and bees.		Defoliators, parasites, predators and scavengers.	E, C
<u>Hypena californica</u>	Brown snout moth.	NOCTUIDAE	Leaf roller.	C

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<u>Hypena decorata</u>	Brown snout moth.	NOCTUIDAE	Leaf roller.	C
<u>Hypena humuli</u>	Small green cutworm.	NOCTUIDAE	Leaf roller.	C
<u>Hypera punctata</u>	CLOVER LEAF WEEVIL.	CURCULIONIDAE	Bore into plant stems.	C
<u>Hyperaspis postica</u>	Small black lady beetle.	COCCINELLIDAE	Predator.	E
<u>Hyperetis amicarica</u>	Medium tan and brown moth.	GEOMETRIDAE	Solitary defoliator of red alder and other deciduous trees and shrubs.	C
<u>Hyperplatys aspersa</u>	Small grey longhorn beetle, black speckles.	CERAMBYCIDAE	Larvae bore into dead wood.	D
<u>Hyphantria cunea</u>	FALL WEBWORM	ARCTIIDAE	Sheltered colonial defoliator, webs are unsightly, red alder, willow, birch and a very wide range of deciduous trees and shrubs are hosts.	C,B
<u>Hypolithus sp.</u>	Small brown click beetle.	ELATERIDAE	Root feeder.	C
<u>Hyposoter sp.</u>	Black parasitic wasp.	ICHNEUMONIDAE	Parasite.	E
ICHNEUMONIDAE	Parasitic wasps.		Parasites.	E
<u>Ichthyura albosigma</u>	Grey moth.	NOTODONTIDAE	Solitary defoliator of willow and cottonwood.	D
<u>Ips borealis</u>	Small engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C

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<u>Ips concinnus</u>	Small engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips engelmanni</u>	Large engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips interpunctus</u>	Small engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips interruptus</u>	Small engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips latidens</u>	Pine engraver, bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips mexicans</u>	Pine engraver, bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips montanus</u>	Small engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips oregoni</u>	Small engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips perturbatus</u>	Engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips pini</u>	PINE ENGRAVER	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ips tridens</u>	Engraver bark beetle.	SCOLYTIDAE	Bores into bark of dead and dying trees.	C
<u>Ipthimus serratus</u>	Large black-pitted darkling beetle.	TENEBRIONIDAE	Feed in decaying wood.	C

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<u>Irbisia solani</u>	Shiny black plant bug.	MIRIDAE	Sap feeder.	C
<u>Isia isabella</u>	BANDED WOOLLY BEAR	ARCTIIDAE	Defoliator.	C
<u>Isolomalus mancus</u>	Tiny black steel beetle.	HISTERIDAE	Scavenger.	E
<u>Isomira variabilis</u>	Small yellowish comb-clawed beetle.	ALLECULIDAE	Scavenger.	C
Isopoda	Sow bugs, etc.	Not an insect.	Scavengers.	C
Isoptera	Termites or white ants.		Bore and feed in dead wood.	A
<u>Itame loritaria</u>	Green looper.	GEOMETRIDAE	Defoliator of aspen, willow and other deciduous trees and shrubs.	C
KALOTERMITIDAE	Termites.		Bore and feed in dead wood.	A
<u>Keonolla confluens</u>	Dark brown leaf hopper.	CICADELLIDAE	Solitary sap feeder.	C
<u>Kleidocerus</u> sp.	Small brown bug.	LYGAEIDAE	Plant sucker.	C
<u>Lacon profusus</u>	Large, rough, brown click beetle.	ELATERIDAE	Larvae bore into roots.	C
<u>Lambdina fiscellaria</u> <u>lugubrosa</u>	WESTERN HEMLOCK LOOPER.	GEOMETRIDAE	Solitary defoliator of western hemlock, Douglas-fir and other coniferous and deciduous trees.	A



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<u>Lambdina somnaria</u>	WESTERN OAK LOOPER,	GEOMETRIDAE	Solitary defoliator of Garry oak, incidental on adjacent tree spp.	B
LAMPYRIDAE	Fireflies or glowworms.		Predators.	C
<u>Laphria</u> sp.	Robber fly.	ASILIDAE	Predator.	E
<u>Lasconotus</u> sp.	Small slender grey beetle.	COLYDIIDAE	Feed in decaying vegetable matter.	C
LASIOCAMPIDAE	Tent caterpillars.		Defoliators.	C
<u>Lasius</u> sp.	Small to medium brown ants.	FORMICIDAE	Scavengers.	E
<u>Laspeyresia</u> sp.	Small moths.	OLETHREUTIDAE	Cone and seed feeders.	D
<u>Laspeyresia</u> <u>bracteata</u>	FIR SEED MOTH.	OLETHREUTIDAE	Bore into cones of spruce.	C
<u>Laspeyresia</u> <u>fletcherana</u>	Small moth.	OLETHREUTIDAE	Bark miner in outer bark of young Douglas-fir trees.	C
<u>Laspeyresia youngana</u>	SPRUCE SEED MOTH	OLETHREUTIDAE	Seed feeder on white and other spruces.	B
LATHRIDIIDAE	Tiny brown beetles.		Scavengers.	E

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<u>Lebia marginicollis</u>	Small metallic green ground beetle.	CARABIDAE	Predator.	E
<u>Lebia ornata</u>	Small brown and tan ground beetle.	CARABIDAE	Predator.	E
<u>Lecanium corni</u>	Brown scale insect, EUROPEAN FRUIT LECANIUM.	COCCIDAE	Sap feeder.	C
<u>Lecanium coryli</u>	Brown scale insect.	COCCIDAE	Sap feeder.	C
<u>Leiodes humeralis</u>	Small brown burying beetle.	SILPHIDAE	Scavengers.	E
<u>Leistus ferruginosus</u>	Reddish ground beetle.	CARABIDAE	Predator.	E
Lepidoptera	Moth or butterfly.		Most are defoliators.	C
<u>Leptalia macilenta</u>	Brown and yellow longhorn beetle.	CERAMBYCIDAE	Bore into dead moist wood.	D
<u>Leptinotarsa decimlineata</u>	COLORADO POTATO BEETLE, finely striped yellow and black leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C
<u>Leptocoris trivittatus</u>	BOXELDER BUG, red and black squash bug.	CORIZIDAE	Plant feeder.	C
<u>Leptoglossus occidentalis</u>	Brown squash bug.	COREIDAE	Plant feeder.	C
<u>Leptura oblitterata</u>	Yellow and black longhorn beetle.	CERAMBYCIDAE	Larvae are wood borers in Douglas-fir, hemlock and numerous other hosts.	C

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<u>Lepyryus oregonus</u> <u>tesselatus</u>	Large brown and orange weevil.	CURCULIONIDAE	Root borer.	C
<u>Lepyryus palustris</u>	Large brown and orange weevil.	CURCULIONIDAE	Root borer.	C
<u>Lethocerus americanus</u>	GIANT WATER BUG, or electric light bug.	BELOSTOMIDAE	Predaceous water bug.	E
<u>Leucania farcata</u> <u>roseola</u>	Pale brownish cutworm.	NOCTUIDAE	Defoliator.	C
<u>Leucania insueta</u> <u>heterodoxa</u>	Pale brownish cutworm.	NOCTUIDAE	Defoliator.	C
<u>Leucoptera</u> <u>pachystigmella</u>	Box miner.	LYONETIIDAE	Leaf miner.	C
<u>Lexis bicolor</u>	Grey and orange moth.	ARCTIIDAE	Defoliator, feeds on lichens on numerous hosts.	C
<u>Libellula lydia</u>	Large dragon fly.	LIBELLULIDAE	Predator.	E
LIBELLULIDAE	Dragon flies.		Predators.	E
LIMACODIDAE	Slug-caterpillar moths.		Defoliators.	C
<u>Limenitis lorquini</u> <u>burrisoni</u>	White admiral butterfly.	NYPHALIDAE	Defoliator.	C
LIMNEPHILIDAE	Case-bearing fish flies.		Aquatic predators.	E
<u>Limnephilus pacificus</u>	Case-bearing fish fly.	LIMNEPHILIDAE	Aquatic predator.	E, D

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<u>Limonius aeger</u>	Smallish dusty black click beetle.	ELATERIDAE	Root feeder.	C
<u>Limonius consimilis</u>	Shiny black click beetle.	ELATERIDAE	Root feeder.	C
<u>Limonius infuscatus</u>	WESTERN FIELD WIRE-WORM, medium size brownish click beetle.	ELATERIDAE	Root feeder.	C
<u>Limonium nitidulus</u>	Medium size black click beetle.	ELATERIDAE	Root feeder.	C
<u>Lioligus nitidus</u>	Small metallic pill beetle.	BYRRHIDAE	Feeds on young trees.	C
<u>Lioon speculare</u>	Small round shiny pill beetle.	BYRRHIDAE	Feeds on young trees.	C
<u>Listemus acuminatus</u>	Shiny metallic brown pill beetle.	BYRRHIDAE	Feeds on young tree roots.	C
<u>Listrus plenus</u>	Small mottled soft-winged flower beetle.	MELYRIDAE	Predator.	E
<u>Listrus provincialus</u>	Small green soft-winged flower beetle.	MELYRIDAE	Predator.	E
<u>Lithocolletis populiella</u>	Aspen-leaf blotch miner.	GRACILLARIIDAE	Solitary leaf blotch miner of aspen and cottonwood.	C
<u>Lithophane contenta</u>	Green cutworm.	NOCTUIDAE	Defoliator.	C
<u>Lithophane ferrealis</u>	Green cutworm.	NOCTUIDAE	Defoliator.	C

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<u>Lithophane georgii</u> <u>holcineria</u>	Green cutworm.	NOCTUIDAE	Defoliator.	C
<u>Lithophane innominata</u>	Brownish cutworm.	NOCTUIDAE	Defoliator.	C
<u>Lithophane pertorricla</u>	Cutworm.	NOCTUIDAE	Defoliator.	C
<u>Lithophane petulca</u>	Brownish cutworm.	NOCTUIDAE	Defoliator.	C
<u>Lithophane pexata</u> <del>WALKER</del> <u>washingtonia</u>	Greenish cutworm.	NOCTUIDAE	Defoliator.	C
<u>Lobophora simsata</u>	Greenish looper.	GEOMETRIDAE	Defoliator.	C
<u>Lobosoma horridum</u>	Warty weevil.	CURCULIONIDAE	Bores into bark.	C
LOCUSTIDAE	Short-horned grasshoppers.		Defoliators.	C
LONCHAEIDAE	Small parasitic flies.		Parasites.	E
<u>Lopidea</u> sp.	Leaf bug.	MIRIDAE	Plant feeder.	C
LUCANIDAE	Stag beetles.		Feed on vegetable matter.	C
<u>Lucidota californica</u>	Soft flat black and pink firefly beetle.	LAMPYRIDAE	Predator.	E
<u>Lucidota corrusca</u>	Soft flat black firefly beetle.	LAMPYRIDAE	Predator.	E
<u>Lycaena helloides</u>	"Copper" butterfly.	LYCAENIDAE	Defoliator.	C
LYCAENIDAE	"Blues" or "coppers" butterflies, "hair streaks".		Defoliators.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Lycanades pulchella</u>	Red-brown cutworm.	NOCTUIDAE	Defoliator	C
LYCIDAE	Net-winged beetles.		Predators.	E
LYCTIDAE	Powder post beetles.		Bore into finished wood.	B
<u>Lyctus</u> sp.	Powder post beetle.	LYCTIDAE	Bores into finished wood.	B
LYGAEIDAE	Plant bugs.		Plant suckers.	C
<u>Lygaeus bicrucis</u>	Red, white and black bug.	LYGAEIDAE	Plant suckers.	C
<u>Lygris xylena</u>	Brown looper.	GEOMETRIDAE	Defoliator.	C
LYMANTRIIDAE	Tussock moths.		Defoliators.	C, B
<u>Macrobotys</u> <u>pertextalis</u>	Nettle moth.	PYRALIDAE	Leaf roller.	C
<u>Macropogon</u> <u>cribricollis</u>	Small brown plant beetle.	DASCILLIDAE	Feeds on plant roots.	C
<u>Macropogon piceus</u>	Small dark plant beetle.	DASCILLIDAE	Feeds on plant roots.	C
<u>Magdalis aenescens</u>	Small black slender snout beetle.	CURCULIONIDAE	Bores in dead and dying trees, mostly deciduous.	C
<u>Magdalis gentilis</u>	Small black slender snout beetle.	CURCULIONIDAE	Bores in dead and dying trees, mostly deciduous.	C
<u>Magdalis hispoides</u>	Small black slender snout beetle.	CURCULIONIDAE	Bores in dead and dying trees, mostly deciduous.	C
<u>Magdalis subtinctoria</u>	Small black slender snout beetle.	CURCULIONIDAE	Bores in dead and dying trees, mostly deciduous.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Malacosoma disstria</u>	FOREST TENT CATERPILLAR, blue forest tent caterpillar.	LASIOCAMPIDAE	Colonial defoliator on deciduous trees.	B
<u>Malacosoma pluviale</u>	WESTERN TENT CATERPILLAR, orange western tent caterpillar.	LASIOCAMPIDAE	Defoliator of deciduous trees and shrubs, colonial.	B
<u>Malachius</u> sp.	Tiny green soft-winged flower beetle.	MALACHIIDAE	Predator.	E, D
<u>Malthodes</u> sp.	Small leather-winged beetle.	CANTHARIDAE	Predator.	E
<u>Marmara arbutiella</u>	Arbutus leaf miner.	GRACILLARIIDAE	Leaf miner.	C
<u>Meadorus lateralis</u>	Brown stink bug.	PENTATOMIDAE	Plant suckers.	C
<u>Megapenthes caprella</u>	Black, yellow-spotted click beetle.	ELATERIDAE	Bores into roots.	C
<u>Megapenthes nigriventris</u>	Orange and black click beetle.	ELATERIDAE	Bores into roots.	C
<u>Megapenthes stigmosus</u>	Yellow and black click beetle.	ELATERIDAE	Bores into roots.	C
<u>Megarhyssa nortoni</u>	Large Ichneumon.	ICHNEUMONIDAE	Parasite.	E
MELANDRYIDAE	Bark boring beetle.		Feed in decaying wood.	C
<u>Melanolophia imitata</u>	"Green-striped forest looper".	GEOMETRIDAE	Solitary defoliator of hemlock, Douglas-fir, cedar and a wide range of hosts, periodically abundant.	B
<u>Malanophila acuminata</u>	Small flatheaded wood-borer.	BUPRESTIDAE	Larvae feed in dead and dying timber.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Melanophila drummondi</u>	FLAT-HEADED FIR BORER.	BUPRESTIDAE	Larvae feed in dying timber.	C
<u>Melanophthalma gibbosa</u>	Tiny brown scavenger beetle.	LATHRIDIIDAE	Scavenger.	E
<u>Melanoplus</u> sp.	Grasshopper.	ACRIDIDAE	Defoliator, agricultural pest.	E
MELASIDAE	Wood-boring beetles.		Bore into wood.	C, D
<u>Melasis tsugae</u>	Black wood-boring beetle.	MELASIDAE	Bores into wood.	C, D
<u>Melissopus latiferreanus</u>	FILBERT WORM.	OLETHREUTIDAE	Feeds in galls and nuts.	C
<u>Meloe montanus</u>	Large blue blister beetle.	MELOIDAE	Predator.	E, D
MELOIDAE	Blister beetles.		Predators.	E, D
MELYRIDAE	Soft-winged flower beetles.		Predators.	E
MEMBRACIDAE	Triangular tree hoppers.		Plant suckers.	C
<u>Mesoleuca gratulata</u>	Black and white looper.	GEOMETRIDAE	Defoliator.	C, D
<u>Meteorus</u> sp.	Parasitic wasp.	ICHNEUMONIDAE	Parasite.	E
METOPIIDAE	Grey flesh flies.		Scavengers.	E
Microlepidoptera	Small moths.		Defoliate and mine.	B



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Mindarus abietinus</u>	BALSAM TWIG APHID	APHIDIDAE	Sap feeder, colonial on current foliage of branch tips.	C, B
MIRIDAE	Leaf bugs.		Plant feeders.	C
<u>Mniotype miniota</u>	Green cutworm.	NOCTUIDAE	Defoliator .	C
<u>Molorchus longicollis</u>	Small longhorn beetle.	CERAMBYCIDAE	Wood borer.	C, D
<u>Monarthrum scutellare</u>	Oak ambrosia beetle.	SCOLYTIDAE	Wood borer.	C
<u>Monochamus maculosus</u>	SPOTTED PINE SAWYER, longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dying, freshly killed, or fire killed trees.	B
<u>Monochamus oregonensis</u>	OREGON FIR SAWYER, large black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in dying, freshly killed or fire killed trees, a lumber degrader.	B
<u>Monochamus scutellatus</u>	WHITE-SPOTTED SAWYER, longhorn beetle.	CERAMBYCIDAE	Bores into heartwood of trees.	C
MORDELLIDAE	Tumbling flower beetles.		Feed in pith of living plants.	C
<u>Mulsantina minor</u>	Small brown-mottled lady beetle.	COCCINELLIDAE	Predator.	E
MUSCIDAE	Blow flies, house flies.		Scavengers	C, E
MUTILLIDAE	Velvet ants.		Parasites.	E
<u>Mycetina idahoensis</u>	Shiny black and red fungus beetle.	ENDOMYCHIDAE	Feed in vegetable matter.	C, D

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
MYCETOPHAGIDAE	Hairy fungus beetles.		Feed in decaying wood.	C
<u>Mycetophagus californicus</u>	Brown and tan fungus beetles.	MYCETOPHAGIDAE	Feed in decaying wood.	C
MYCETOPHILIDAE	Fungus gnats, small flies found around fungi.		Scavengers.	E
MYLABRIDAE	"Pea weevils" (not true weevils).		Feed on seeds.	C,D
MYMARIDAE	Fairy flies.		Parasites.	E
MYRMELEONIDAE	Ant lions.		Predators.	E
<u>Myrmeleon occidentalis</u>	Ant lion.	MYRMELEONIDAE	Predator.	E
NABIDAE	Damsel bugs.		Predators.	E
<u>Nabis rufusculus</u>	Brownish damsel bug.	NABIDAE	Predator.	E
<u>Nadata gibbosa oregonensis</u>	Large green caterpillar.	NOTCDONTIDAE	Solitary defoliator of Garry oak, red alder, and other deciduous trees.	C
<u>Nebria labradorica</u>	Brownish ground beetle.	CARABIDAE	Predator.	E
<u>Nebria sahlbergi</u>	Black ground beetle.	CARABIDAE	Predator.	E
<u>Nebria virescens</u>	Metallic blue ground beetle.	CARABIDAE	Predator.	E
<u>Necrobia violacea</u>	Blue ham beetle.	CLERIDAE	Predator.	E

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<u>Necrophilus hydrophiloides</u>	Dark striated carrion beetle.	SILPHIDAE	Scavenger.	E
<u>Necrophorus defodiens</u>	Black and orange carrion beetle.	SILPHIDAE	Scavenger.	E
<u>Necrophorus investigator</u>	Black and orange carrion beetle.	SILPHIDAE	Scavenger.	E
<u>Necydalis laevicollis</u>	Slender reddish longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in wood.	C
<u>Neduba carinata</u>	Short-horned grasshopper.	TETTIGONIIDAE	Defoliator.	C, D
<u>Neides muticus</u>	Slender brown stilt bug.	NEIDIDAE	Predator.	E
NEIDIDAE	Stilt bugs.		Predators.	E
<u>Nematocampa filamentaria</u>	FILAMENT BEARER, brownish looper.	GEOMETRIDAE	Solitary defoliator.	C
<u>Nematus</u> sp.	Deciduous sawfly.	TENTHREDINIDAE	Defoliator, mostly on willow.	C
<u>Nemocestes horni</u>	Greyish snout weevil.	CURCULIONIDAE	Not known, larvae probably root feeders.	C
<u>Nemoria darwiniata</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator, arbutus.	C, D
<u>Nemozoma punctatum</u>	"Grain beetle", small slender brown beetle.	OSTOMIDAE	Scavenger.	E
<u>Neocalcis californiaria</u>	Brown lined looper.	GEOMETRIDAE	Solitary defoliator of Douglas-fir, hemlock and other hosts.	C

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<u>Neocanthocinus obliquus</u>	Small grey-black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in wood.	B,D
<u>Neoclytus conjunctus</u>	Black and white longhorn beetle.	CERAMBYCIDAE	Bores into heartwood of trees.	C
<u>Neoclytus muricatus</u>	Small black and white longhorn beetle.	CERAMBYCIDAE	Bores into heartwood of trees.	C
<u>Neodiprion</u> sp.	Coniferous sawflies.	DIPRIONIDAE	Colonial defoliators on hemlock and most other conifers.	B
<u>Neomysia montana</u>	Large tan lady beetle, irregular black blotches.	COCCINELLIDAE	Predator.	E
<u>Neomyzaphis abietina</u>	GREEN SPRUCE APHID	APHIDIDAE	Sap feeder on foliage of spruces, mostly close to salt water.	B
<u>Neophasia menapia</u>	PINE BUTTERFLY	PIERIDAE	Defoliator.	B
<u>Neophylax rickeri</u>	Grey and brown caddis fly.	LIMNOPHILIDAE	Aquatic scavenger.	E
<u>Neottiglossa undata</u>	Round grey stink bug.	PENTATOMIDAE	Plant sucker.	C
<u>Nepytia phantasmaria</u>	PHANTOM HEMLOCK LOOPER.	GEOMETRIDAE	Solitary defoliator of hemlock, Douglas-fir and other conifers.	C,B
<u>Nepytia umbrosaria nigrovenaria</u>	Cream and brown hemlock looper.	GEOMETRIDAE	Solitary defoliator on conifers.	C
Neuroptera	Lace wings, etc.		Mainly predators.	E
<u>Neuroterus varians</u>	Gall wasp.	CNYIPIIDAE	Twig gall-maker.	C

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<u>Nitidula ziczac</u>	Small black sap-feeding beetle.	NITIDULIDAE	Feeds on sap in freshly cut logs.	C
NITIDULIDAE	Sap-feeding beetles.		Feed on sap in freshly cut logs.	C
NOCTUIDAE	Cutworms.		Defoliators.	B, C
NOLIDAE	Small moths.		Defoliators.	C
<u>Nomius pygmaeus</u>	STINK BEETLE.	CARABIDAE	Predator.	B
<u>Notaris puncticollis</u>	Smooth black and grey weevil.	CURCULIONIDAE	Uncertain.	C
<u>Nothochrysa californica</u>	Lace wing.	CHRYSOPIDAE	Predator.	E
<u>Nothorhina aspera</u>	Slender brown longhorn beetle.	CERAMBYCIDAE	Bores into wood.	C
<u>Notiophilus sylvaticus</u>	Small brown ground beetle.	CARABIDAE	Predator.	E
NOTODONTIDAE	Prominents.		Defoliators.	C
<u>Notonecta undulata</u>	Yellow and black back-swimming bug.	NOTONECTIDAE	Carnivorous on water creatures including fish fry.	D
NOTONECTIDAE	Back swimmer.	NOTONECTIDAE	Defoliator, aquatic.	C
<u>Nycteola cinereana</u>	Soft, green "cutworm".	NYCTEOLIDAE	Solitary or colonial web-maker defoliator mostly on poplars.	C
<u>Nycteola frigidana</u>	Soft, green "cutworm".	NYCTEOLIDAE	Solitary or colonial web-maker defoliator mostly on willow.	C
NYCTEOLIDAE	See Nycteola.			

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Nyctobia limitaria</u>	"Yellow-lined forest looper."	GEOMETRIDAE	Solitary defoliator of hemlock, Douglas-fir and a wide range of conifers.	B
NYMPHALIDAE	Brush-footed butterflies.		Defoliators.	C
<u>Nymphalis antiopa</u>	MOURNING-CLOAK BUTTERFLY.	NYMPHALIDAE	Colonial defoliator of willow, aspen and other deciduous trees.	B
<u>Nymphalis californica</u>	CALIFORNIA TORTOISE-SHELL BUTTERFLY.	NYMPHALIDAE	Defoliator.	C, D
<u>Nymphalis milberti</u>	"American tortoise-shell butterfly".	NYMPHALIDAE	Defoliator.	C
<u>Oberea quadricollis</u>	Slender black and yellow longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in wood of willow.	C
<u>Ochlodes sylvanoides</u>	Orange skipper butterfly.	HESPERIIDAE	Herbivorous defoliator.	C
<u>Oenoserstoma piniariella</u>	Small silvery moth.	YPONOMEUTIDAE	Defoliator, on pine.	C
<u>Ocyopus ater</u>	Elongate black rove beetle.	STAPHYLINIDAE	Predator.	C
Odonata	Dragon flies and damsel flies.		Predators.	E
<u>Odontaeus obesus</u>	Round black beetle.	SCARABAEIDAE	Scavenger.	E

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<u>OECOPHORIDAE</u>	Small moths.		Defoliators.	C
<u>OEDEMERIDAE</u>	Oedemerid beetles.		Feed on decaying wood.	C
<u>Oeneis chryxus</u>	Meadow brown butterfly.	SATYRIDAE	Defoliator.	C
<u>Oidaematophorus monodactylus</u>	Brown plume moth.	PTEROPHORIDAE	Forage stem borer.	C
<u>Okanagana rimosa</u>	Black and orange cicada.	CICADIDAE	Adults damage twigs with egg slits, larvae root feeders in soil.	C
<u>OLETHREUTIDAE</u>	Small active leaf-mining moths.		Leaf miners, bud miners, etc.	C, B
<u>Oligia sp.</u>	Brown cutworm.	NOCTUIDAE	Defoliator.	C
<u>Omius saccatus</u>	Tiny black weevil.	CURCULIONIDAE	Root borer.	C
<u>Omosita discoidea</u>	Small brown sap-feeding beetle.	NITIDULIDAE	Feeds on sap under bark of trees.	C
<u>Omus dejeani</u>	Large pitted black tiger beetle.	CICINDELIDAE	Predators.	E
<u>Oncometopia lateralis</u>	Red and black leaf hopper.	CICADELLIDAE	Plant sucker.	C, D
<u>Ontholestes cingulatus</u>	Large brown and yellow rove beetle.	STAPHYLINIDAE	Scavenger.	E
<u>Operophtera occidentalis</u>	Pale green looper.	GEOMETRIDAE	Defoliator.	C
<u>Opilio parietinus</u>	Daddy long legs or harvestman.	PHALANGIIDAE (not an insect)	Scavenger.	E
<u>Opisthius richardsoni</u>	Greenish ground beetle.	CARABIDAE	Predator.	D, E

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<u>Opsimus quadrilineatus</u>	Small brown longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
<u>Orygia antiqua badia</u>	RUSTY TUSSOCK MOTH.	LYMANTRIIDAE	Solitary defoliator of western hemlock and a wide range of coniferous trees and deciduous shrubs.	C
<u>Orygia pseudotsugata</u>	"Douglas-fir tussock moth".	LYMANTRIIDAE	Solitary defoliator of Douglas-fir, hemlock and some other conifers.	B
<u>Orsodacne atra</u>	Small yellow and black leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer.	C
Orthoptera	Grasshoppers, crickets, etc.		Defoliators.	C
<u>Orthosia hibisci</u>	Green speckled cutworm.	NOCTUIDAE	Solitary defoliator of alder, willow and some other deciduous and coniferous trees.	C
<u>Orthosia pacifica</u>	Green cutworm.	NOCTUIDAE	Defoliator.	C
<u>Orthosia revicta</u>	Brownish cutworm.	NOCTUIDAE	Defoliator.	C
<u>Orthosia transparens</u>	Green and brown cutworm.	NOCTUIDAE	Solitary defoliator of Arbutus and occasionally alder and Douglas-fir.	C
<u>Orthotomicus caelatus</u>	Black bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Oryzaophilus surinamensis</u>	SAW-TOOTHED GRAIN BEETLE.	CUCUJIDAE	Scavenger.	E
<u>Osmia sp.</u>	Leaf-cutting bee.	MEGACHILIDAE	Makes holes in leaves.	C
<u>Ostoma ferruginea</u>	Flat oval brown beetle.	OSTOMIDAE	Predator or scavenger.	C



<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Ostoma pippingskoeldi</u>	Flat oval reddish mottled beetle.	OSTOMIDAE	Predator or scavenger.	C,D
OSTOMIDAE	"Grain beetles", black or reddish gnawing beetles.		Predators or scavengers.	C
OTITIDAE	Pictured-wing flies.		Scavengers.	D,E
<u>Oxylaemus californicus</u>	Small slender brown beetle.	COLYDIIDAE	Scavenger.	E
<u>Oxytelus fuscipennis</u>	Small rove beetle.	STAPHYLINIDAE	Predator.	E
<u>Pachysphinx modesta</u>	"Poplar hawk moth."	SPHINGIDAE	Defoliator.	C,D
<u>Pachyta</u> sp.	Longhorn beetle.	CERAMBYCIDAE	Wood borer.	C,D
<u>Pachyta lamed</u>	Longhorn beetle.	CERAMBYCIDAE	Wood borer.	D
<u>Pactopus horni</u>	Small grey pseudo click beetle.	THROSCIDAE	Not known.	C
<u>Palonica tremulata</u>	Greenish brown tree hopper.	MEMBRACIDAE	Sap feeder.	C
<u>Palthis angulalis</u>	Brown patterned cutworm.	NOCTUIDAE	Solitary defoliator on a wide array of coniferous and deciduous trees.	C
PAMPHILIIDAE	Native web-spinning sawflies.		Defoliators.	C,D
<u>Pandemis canadana</u>	Small brownish moth.	TORTRICIDAE	Solitary leaf-rolling defoliator of birch and other deciduous trees .	C
<u>Pandemis limitata</u>	Small brownish moth, "three-lined leaf roller."	TORTRICIDAE	Solitary leaf-rolling defoliator of willow and other deciduous trees.	C

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<u>Panoscopus gemmatus</u>	Large green mottled weevil.	CURCULIONIDAE	Root borer.	C
<u>Panthea portlandia</u>	Large tufted caterpillar.	NOCTUIDAE	Solitary defoliator of hemlock, Douglas-fir and other conifers and alder.	C
<u>Papilio eurymedon</u>	Yellow and black swallow tail butterfly.	PAPILIONIDAE	Solitary defoliator of willow, alder and apple.	C
<u>Papilio rutulus</u>	Yellow and black swallow tail butterfly.	PAPILIONIDAE	Solitary defoliator of willow, alder and cottonwood.	C
<u>Papilio zelicaon</u>	Yellow and black swallow tail butterfly.	PAPILIONIDAE	Solitary defoliator, probably primarily herbivorous.	C, D
PAPILIONIDAE	Swallow tail butterflies.		Defoliators.	C
<u>Parnassius clodius</u>	Butterfly.	PAPILIONIDAE	Defoliator.	C, D
<u>Parorgyia grisefacta</u>	Tussock moth.	LYMANTRIIDAE	Solitary defoliator of lodgepole pine and alder.	C
<u>Pediacus depressus</u>	Small reddish brown beetle.	CUCUJIDAE	Scavenger.	E
PEDILIDAE	Elongate black beetles.		Tree-living.	C
<u>Pelatines latus</u>	Small flat reddish carrion beetle.	SILPHIDAE	Scavenger.	E
<u>Pemphigus</u> sp.	Aphid	APHIDIDAE	Sap feeder on cottonwood, colonial.	C

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<u>Pemphus angusticollis</u>	Long-legged ground beetle.	CARABIDAE	Predator.	E
PENTATOMIDAE	Stink bugs.		Predators.	E
<u>Peridroma margaritosa</u>	"Variegated cutworm."	NOCTUIDAE	Solitary defoliator, sometimes a pest of nurseries.	C,B
<u>Perillus exaptus</u>	Red and black stink bug.	PENTATOMIDAE	Predator.	E
<u>Perimegatoma nevadica</u>	Brown larder beetle.	DERMESTIDAE	Scavenger.	C
<u>Periplaneta americana</u>	Large cockroach. AMERICAN COCKROACH.	BLATTIDAE	Scavenger.	C
<u>Perizoma costiguttata</u>	Looper.	GEOMETRIDAE	Defoliator.	C
<u>Perizoma curvilinea</u>	Looper.	GEOMETRIDAE	Defoliator.	C
PERLIDAE	Medium stone flies, largest family of stone flies.		Aquatic predators.	E
<u>Pero behrensarius</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator of Douglas-fir, hemlock and other coniferous and deciduous trees.	C
<u>Pero mizon</u>	Large brown looper.	GEOMETRIDAE	Solitary defoliator on conifers.	C
<u>Pero morrisonarius</u>	Grey looper.	GEOMETRIDAE	Solitary defoliator on Douglas-fir, hemlock, alder and other trees, mostly confined to south coastal areas.	C
<u>Perthalykra murrayi</u>	Shiny brown beetle.	NITIDULIDAE	Sap feeder.	C
<u>Petrova sp.</u>	Pitch twig moth.	OLETHREUTIDAE	Bores into cambium and outer wood of small branches, feeding site covered with pitch.	C,D

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Phaedon americanus</u>	Dark metallic leaf beetle.	CHRYSOMELIDAE	Skeletonizer.	C
<u>Phaeogenes hariolus</u>	Black and yellow parasitic wasp.	ICHNEUMONIDAE	Parasite.	E
PHALONIIDAE	Small web-spinning moth.		Defoliators.	C
<u>Phausis</u> sp.	Soft-winged beetle.	LAMPYRIDAE	Predator.	E
<u>Phellopsis porcata</u>	Brown sculptured iron clad beetle.	TENEBRIONIDAE	Scavenger.	E
<u>Phenacaspis pinifoliae</u>	PINE NEEDLE SCALE	COCCIDAE	Sap feeder on foliage of Ponderosa, lodgepole and red pines; a scale insect.	B, C
<u>Phengommataea edwardsata</u>	Green and red striped looper.	GEOMETRIDAE	Solitary defoliator on pine.	C, D
<u>Pheosia portlandia</u>	Shiny grey caterpillar.	NOTODONTIDAE	Solitary defoliator of alder and other deciduous trees.	C, D
<u>Pheosia rimosa</u>	Shiny grey caterpillar.	NOTODONTIDAE	Solitary defoliator.	C, D
<u>Philaenus spumarius</u>	MEADOW SPITTLEBUG, tan and black spittle bug.	CERCOPIDAE	Sap feeder.	C
<u>Philedia punctomacularia</u>	Looper.	GEOMETRIDAE	Defoliator.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Phloeosinus punctatus</u>	WESTERN CEDAR BARK BEETLE, small bark beetle.	SCOLYTIDAE	Bark borer of western red cedar and other conifers.	B
<u>Phloeosinus sequoiae</u>	Small bark beetle.	SCOLYTIDAE	Bark borer of western red cedar.	C
PHORIDAE	Humpbacked flies.		Scavengers.	E
<u>Phryganophilus collaria</u>	Black and red beetle.	MELANDRYIDAE	Feeds in decaying wood.	D, E
<u>Phyllocnistis populiella</u>	"Aspen leaf miner"	GRACILLARIIDAE	Solitary leaf miner of trembling aspen and possibly some other poplars.	B
<u>Phyllocoptes quadripes</u>	"Maple leaf mite"	ERIOPHYIDAE	Leaf mite of maples.	C
<u>Phyllophaga anxia</u>	Brown June beetle.	SCARABAEIDAE	Root feeder.	B
<u>Phyllotreta ramosa</u>	WESTERN STRIPED FLEA BEETLE.	CHRYSOMELIDAE	Skeletonizer.	C, D
<u>Phymatodes aeneus</u>	Brownish black longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in wood of conifers.	C
<u>Phymatodes decussatus</u>	White-striped black longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
<u>Phymatodes nitidus</u>	Black and white longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in wood of cedar and other conifers.	C
<u>Phytocoris</u> sp.	Leaf bug.	MIRIDAE	Sap feeder.	C
<u>Phytomyza ilicis</u>	HOLLY LEAF MINER	AGROMYZIDAE	Leaf miner.	B

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Pidonia quadrata</u>	Small yellow longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
<u>Pidonia scripta</u>	Small yellow and black longhorn beetle.	CERAMBYCIDAE	Wood borer of Douglas-fir and others.	C
PIERIDAE	"Sulphurs" and "whites", butterflies.	PIERIDAE	Defoliators.	B
<u>Pieris rapae</u>	IMPORTED CABBAGEWORM.	PIERIDAE	Defoliator.	C
<u>Pikonema alaskensis</u>	YELLOW-HEADED SPRUCE SAWFLY.	TENTHREDINIDAE	Solitary defoliator on spruces.	B
<u>Pikonema dinmockii</u>	GREEN-HEADED SPRUCE SAWFLY.	TENTHREDINIDAE	Solitary defoliator on spruces and occasionally other conifers.	B
<u>Pineus abietinus</u>	A woolly aphid.	ADELGIDAE	Sap feeder on stems of true firs.	C
<u>Pineus similis</u>	A gall aphid on spruce.	ADELGIDAE	Colonial gall maker on tips of new growth.	B
<u>Pissodes alaskensis</u>	Dark brown weevil.	CURCULIONIDAE	Bark borer on young spruce trees.	C
<u>Pissodes burkei</u>	Black and white weevil.	CURCULIONIDAE	Bark borer on young trees.	C
<u>Pissodes curriei</u>	Black and white weevil.	CURCULIONIDAE	Bark borer in root collars of white pine.	B
<u>Pissodes engelmanni</u>	ENGELMANN SPRUCE WEEVIL, reddish brown.	CURCULIONIDAE	Colonial terminal borers of young Engelmann and white spruces. Pest of reproduction and plantations.	B, A
<u>Pissodes fasciatus</u>	Brown and orange fir weevil.	CURCULIONIDAE	Bark borers on young trees.	C

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<u>Pissodes radiatae</u>	MONTEREY PINE WEEVIL.	CURCULIONIDAE	Bark borer on young trees- lodgepole and western white pines.	C
<u>Pissodes sitchensis</u>	SITKA SPRUCE WEEVIL, brown and tan.	CURCULIONIDAE	Colonial terminal borers of Sitka spruce, except on QCI .	B,A
<u>Pissodes terminalis</u>	LOGEPOLE TERMINAL WEEVIL.	CURCULIONIDAE	Bark borer on terminals of lodgepole pine.	B
<u>Pityogenes fossifrons</u>	Small brown wood engraver beetle.	SCOLYTIDAE	Bark borer, western white pine.	C
<u>Pityokteines elegans</u>	Small brown bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Pityophagus rufipennis</u>	Slender black and brown sap feeding beetle.	NITIDULIDAE	Sap feeder.	C
<u>Pityophthorus confertus</u>	Tiny black bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Pityophthorus nitidus</u>	Tiny black bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Pityophthorus pseudotsugae</u>	Tiny black bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Pityophthorus tuberculatus</u>	Small brown bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Platycerus oregonensis</u>	Blue-black stag beetle.	LUCANIDAE	Scavenger.	D,E
<u>Platycotis maritimus</u>	Greenish brown tree hopper.	MEMBRACIDAE	Plant sucker.	C
<u>Platydemia oregonense</u>	Shiny black beetle.	TENEBRIONIDAE	Scavenger.	E

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Platypedia areolata</u>	Yellow and black cicada.	CICADIDAE	Egg slits damage twigs, larvae are root feeders.	C
PLATYPODIDAE	Ambrosia beetles.		Wood borers.	B
<u>Platypolia contadina</u>	Cutworm.	NOCTUIDAE	Solitary defoliator.	C
<u>Platyptilia pica</u>	Small moth.	PTEROPHORIDAE	Defoliator, leaf roller.	C
<u>Platypus wilsoni</u>	Wide-headed ambrosia beetle.	PLATYPODIDAE	Wood borer or amabilis fir.	C, D
PLATYSTOMIDAE	Fungus weevils.		Feed in woody fungus and dead wood.	C
Plecoptera	Stone flies, order of aquatic insects.		Larvae are predaceous on other aquatic forms.	E
<u>Plectrura spinicauda</u>	Warty grey-brown longhorn beetle.	CERAMBYCIDAE	Larvae are wood borers of hemlock and numerous other trees.	C
<u>Plemyria georgii</u>	Green looper.	GEOMETRIDAE	Solitary defoliator of alder, willow.	C
<u>Pleroma conserta</u>	Grey cutworm.	NOCTUIDAE	Forage feeder.	C
<u>Pleroma cinerea</u>	Grey cutworm.	NOCTUIDAE	Forage feeder.	C
<u>Plesiocis cribrum</u>	Tiny yellowish tree fungus beetle.	CISIDAE	Feeds in woody fungus.	C
PLUTELLIDAE	Small moths.		Defoliators.	C



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<u>Podabrus cavicollis</u>	Brown and orange leather-winged beetle.	CANTHARIDAE	Predator.	E
<u>Podabrus confraternus</u>	Orange and black leather-winged beetle.	CANTHARIDAE	Predator.	E
<u>Podabrus piniphilus</u>	Black leather-winged beetle.	CANTHARIDAE	Predator.	E
<u>Podabrus pruinosis diversipes</u>	Large black and red leather-winged beetle.	CANTHARIDAE	Predator.	E
<u>Podisus modestus</u>	Light brown soldier bug.	PENTATOMIDAE	Predator.	E
<u>Podisus serieventris</u>	Dark brown soldier bug.	PENTATOMIDAE	Predator.	E
<u>Pœcilonota californica</u>	Flat-headed beetle.	BUPRESTIDAE	Wood borer.	C
<u>Polia adjuncta</u>	Greenish brown cutworm.	NOCTUIDAE	Solitary defoliator on willow, alder and ground plants.	C
<u>Polia cristifera</u>	Light brown cutworm.	NOCTUIDAE	Solitary defoliator hemlock, alder, pine.	C
<u>Polia lutra glaucopis</u>	Green cutworm.	NOCTUIDAE	Solitary defoliator of Douglas-fir and a wide range of trees and shrubs .	C
<u>Polia nimbosa</u>	Orange cutworm.	NOCTUIDAE	Solitary defoliator, willow.	C
<u>Polia pulverulenta</u>	Olive green, striped cutworm.	NOCTUIDAE	Defoliator.	C

<u>SCIENTIFIC NAME</u>	<u>DESCRIPTION</u>	<u>FAMILY NAME</u>	<u>TYPE OF INJURY</u>	<u>STATUS</u>
<u>Polychrosis piceana</u>	Small moth.	OLETHREUTIDAE	Cone feeder, spruce, Douglas-fir, larch.	C
<u>Polygonia faunus</u>	Black and orange butterfly.	NYMPHALIDAE	Defoliator of willow, birch, gooseberries, etc., sometimes constructs rough shelter of leaves.	C
<u>Polygonia satyrus</u>	"Wandering comma" butterfly.	NYMPHALIDAE	Defoliator, primarily of nettles.	C
<u>Polygraphus rufipennis</u>	Small black bark beetle.	SCOLYTIDAE	Bark borer.	C
<u>Polyphylla perversa</u>	Large striped June beetle.	SCARABAEIDAE	Feeds on roots, has been a pest of nurseries.	B
POLYSTOECHOTIDAE	Giant black lacewings.		Predators.	E,D
<u>Polystoechotes punctatus</u>	Large lacewing.	POLYSTOECHOTIDAE	Predator.	E,D
POMFILIDAE	Spider wasps.		Parasites.	E
<u>Prionus californicus</u>	CALIFORNIA PRIONUS, large brown longhorn beetle.	CERAMBYCIDAE	Larvae bore and feed in woody roots.	C
<u>Proctorus armatus</u>	Small black and grey weevil.	CURCULIONIDAE	Root borer.	C
<u>Promylea lunigerella</u>	Small moth.	PYRALIDAE	Solitary defoliator, leaf roller on Douglas-fir, grand fir, hemlock and other conifers.	C
<u>Proserpinus clarkiae</u>	Small sphinx moth.	SPHINGIDAE	Solitary defoliator.	C,D
<u>Prostomis mandibularis</u>	Slender tan flat beetle.	CUCUJIDAE	Scavenger.	E

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<u>Prothalia holmbergi</u>	Small mottled boring beetle.	MELANDRYIDAE	Feeds in decaying wood.	C
<u>Protitame matilda</u>	Green and red looper.	GEOMETRIDAE	Solitary defoliator of willow and others.	C
<u>Protoarmia porcelaria indicataria</u>	"Western dotted line looper".	GEOMETRIDAE	Solitary defoliator of Douglas-fir, hemlock, and other coniferous and deciduous trees.	C
<u>Pseudohazis eglanterina</u>	Large day moth.	SATURNIIDAE	Colonial defoliator, solitary in late instars, mostly on ground cover and deciduous shrubs.	C
<u>Pseudohylesinus grandis</u>	Small mottled bark beetle.	SCOLYTIDAE	Bark borer of hemlock and other conifers.	B
<u>Pseudohylesinus granulatus</u>	Large bark beetle.	SCOLYTIDAE	Bark borer of grand fir.	B
<u>Pseudohylesinus nebulosus</u>	Tiny black bark beetle.	SCOLYTIDAE	Bark borer of Douglas-fir and other conifers.	B
<u>Pseudohylesinus tsugae</u>	Tiny black bark beetle.	SCOLYTIDAE	Bark borer of hemlock and other trees.	B
<u>Pseudorthodes irrorata</u>	Brown cutworm.	NOCTUIDAE	Plant feeder which is sometimes a defoliator on trees.	C
Pseudoscorpion	Tiny scorpion-like arthropods .		Found under loose bark under stones and elsewhere.	C
<u>Pseudothyatira cymatophoroides</u>	Grey and rose moth.	THYATIRIDAE	Solitary defoliator of red alder and other deciduous trees and shrubs.	C
PSOCIDAE	Bark lice.		Plant feeders.	C
PSYCHIDAE	Barworm moths.		Defoliators.	E

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<u>Psyllabora 20-maculata</u> <u>taedata</u>	Small spotted lady beetle.	COCCINELLIDAE	Predator.	C
PSYLLIDAE	Small "jumping plant lice".		Sap feeders.	C
PTEROMALIDAE	Parasitic wasps.		Parasites.	E
PTEROPHORIDAE	Small plume moths.		Defoliators and borers.	C
<u>Pterostichus</u> <u>amethystinus</u>	Striated black ground beetle.	CARABIDAE	Predator.	E
<u>Pterostichus</u> <u>crenicollis</u>	Striated black ground beetle.	CARABIDAE	Predator.	E
<u>Pterostichus validus</u>	Striated black ground beetle.	CARABIDAE	Predator.	E
PTINIDAE	Storehouse or drug store beetles.		Scavengers, pests of stored provisions.	C
<u>Ptinus fur</u>	WHITE-MARKED SPIDER BEETLE.	PTINIDAE	Scavenger, pest of stored provisions.	C
PYRALIDAE	Snout moths.		Defoliators and terminal borers.	C
PYTHIDAE	Flat beetles.		Predators under bark or stones etc.	D,E
<u>Pytho planus</u>	Large iridescent beetle.	PYTHIDAE	Predator under bark or stones etc.	D,E
<u>Quadius</u> sp.	Rove beetle.	STAPHYLINIDAE	Predator, scavenger.	E
RAPHIDIIDAE	Snake flies.		Predators.	E

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<u>Recurvaria milleri</u>	Lodgepole pine needle miner.	GELECHIIDAE	Needle miner.	B
REDUVIIDAE	Assassin bugs.		Predators.	E
<u>Reticulitermes hesperus</u>	WESTERN SUBTERANEAN TERMITE.	TERMITIDAE	Feeds mainly on dead wood.	B
<u>Rhabdophaga</u> sp.	Gall fly.	CECIDOMYIDAE	Cone and seed galls and in buds.	B
<u>Rhabdophaga sweinei</u>	Gall fly.	CECIDOMYIDAE	Cone and seed galls.	B
RHAGIONIDAE	Snipe flies.		Predators or blood suckers.	C
<u>Rhagium inquisitor</u>	Grey, yellow- mottled longhorn.	CERAMBYCIDAE	Wood borer.	C
<u>Rhinoncus castor</u>	Small warty grey weevil.	CURCULIONIDAE	Root borers.	C, D
<u>Rheumaptera hastata</u>	Black looper.	GEOMETRIDAE	Colonial leaf roller and web-maker in early instars, later becoming solitary defoliators of alder and birch.	B
RHIZOPHAGIDAE	Small slender bark beetles.		Feed under bark.	C
<u>Rhizophagus dimidiatus</u>	Small slender black bark beetle.	RHIZOPHAGIDAE	Feeds under bark.	C
<u>Rhizophagus sculpturatus</u>	Small slender dark bark beetle.	RHIZOPHAGIDAE	Feeds under bark.	C
<u>Rhyacionia buoliana</u>	EUROPEAN PINE SHOOT MOTH.	OLETHREUTIDAE	Terminal borer of Mugho, lodgepole, Austrian and other 2 and 3 needle pines.	B, C

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<u>Rhynchaenus parvicollis</u>	Small shiny black weevil.	CURCULIONIDAE	Stem borer.	C
<u>Rhynchites wickhami</u>	ROSE CURCULIO, red and black rose weevil.	CURCULIONIDAE	Borer.	C
<u>Rhyncolus brunneus</u>	Small dark brown weevil.	CURCULIONIDAE	Borer.	C
<u>Rhodophaea supposita</u>	Small brownish moth.	PYRALIDAE	Defoliator on cotoneaster.	B
RHYSODIDAE	Elongate flattened beetles.		Feed under bark.	C
<u>Rhyssa</u> sp.	Large black parasitic wasp.	ICHNEUMONIDAE	Parasite.	E
<u>Rogas</u> sp.	Parasitic wasp.	ICHNEUMONIDAE	Parasite.	E
<u>Rosalia funebris</u>	BANDED ALDER BORER, large black and white longhorn beetle.	CERAMBYCIDAE	Wood borer in red alder.	C
<u>Rushia californica</u>	Shiny brown bark boring beetle.	MELANDRYIDAE	Feeds in decaying wood.	C
<u>Saperda calcarata</u>	POPLAR BORER, large grey longhorn beetle, yellow spots.	CERAMBYCIDAE	Larvae are wood borers in poplars.	C, D
<u>Saperda populnea</u>	Small black longhorn beetle.	CERAMBYCIDAE	Wood borer in poplars.	C
<u>Saprinus insertus</u>	Small round shiny black beetle.	HISTERIDAE	Scavenger.	E

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<u>Saprinus lugens</u>	Large round shiny black beetle.	HISTERIDAE	Scavenger.	E
SARCOPHAGIDAE	Flesh flies.		Parasites.	E
SATURNIIDAE	Giant silk moths.		Defoliators, contains some of the very large colourful moths.	C
SATYRIDAE	"Meadow browns", butterflies.		Defoliators.	C
<u>Scaphidema aeneolum</u>	Small shiny black ground beetle.	TENEBRIONIDAE	Scavenger.	E
SCAPHIDIIDAE	Shining fungus beetles.		Feed in fungus and rotting wood.	C
<u>Scaphinotus angulatus</u>	Striated black ground beetle.	CARABIDAE	Predator.	B
<u>Scaphinotus marginatus</u>	Striated black ground beetle.	CARABIDAE	Predator.	E
<u>Scaphisoma castaneum</u>	Shining fungus beetle.	CARABIDAE	Feeds in fungus and rotting wood.	C
SCARABAEIDAE	Scarabæid or leaf chafer beetles.		Scavengers and leaf chafers.	C
SCELIONIDAE	Parasitic wasps.		Parasites, mostly on insect eggs.	C
<u>Schizura concinna</u>	RED-HUMPED CATERPILLAR.	NOTODONTIDAE	Colonial defoliator of apple, aspen, willow and other deciduous trees.	C, D
<u>Schizura semirufescens</u>	Hump-backed caterpillar.	NOTODONTIDAE	Solitary defoliator of alder, willow and oak.	C
<u>Schizura unicornis</u>	UNICORN CATERPILLAR	NOTODONTIDAE	Solitary defoliator mostly on willow.	C

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<u>Sciaphila duplex</u>	Small moth.	OLETHREUTIDAE	Solitary leaf roller of aspen and other deciduous trees.	C
<u>Scierus annectens</u>	Dark brown bark beetle.	SCOLYTIDAE	Cambium borer.	B
<u>Scierus pubescens</u>	Dark brown bark beetle.	SCOLYTIDAE	Cambium borer.	B
<u>Sciopithes obscurus</u>	Brown root weevil.	CURCULIONIDAE	Larvae are root feeders, adults defoliate on hemlock and Douglas-fir and a wide range of coniferous and deciduous trees.	C
<u>Scoliopteryx libatrix</u>	Green cutworm.	NOCTUIDAE	Solitary defoliator of willow.	C
SCOLYTIDAE	Bark or wood engraver beetles.		Bark and cambium borers.	B
<u>Scolytus picea</u>	Small spruce bark beetle.	SCOLYTIDAE	Bark borer.	B
<u>Scolytus sobrinus</u>	Small Douglas-fir bark beetle.	SCOLYTIDAE	Bark borer.	B
<u>Scolytus tsugae</u>	Small bark beetle.	SCOLYTIDAE	Bark and cambium borer.	B
<u>Scolytus unispinosus</u>	DOUGLAS-FIR ENGRAVER, small one-spined bark beetle.	SCOLYTIDAE	Bark and cambium borer of Douglas-fir and occasionally other conifers.	B
<u>Scolytus ventralis</u>	FIR ENGRAVER, medium-sized bark beetle.	SCOLYTIDAE	Bark and cambium borer of grand fir and Douglas-fir.	B
<u>Scotochroa basalis</u>	Slender shiny black beetle.	MELANDRYIDAE	Feeds on rotting wood.	C
SCUTELLARIDAE	Shield bugs.		Defoliators.	C



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<u>Scymnus ardelio</u>	Small black lady beetle.	COCCINELLIDAE	Predator.	E
<u>Scymnus marginicollis</u>	Small black lady beetle.	COCCINELLIDAE	Predator.	E
<u>Scymnus phelpsi</u>	Tiny brown lady beetle.	COCCINELLIDAE	Predator.	E
<u>Scythropus californicus</u>	Metallic brown snout beetle.	CURCULIONIDAE	Adult a solitary defoliator of Douglas-fir and other conifers.	C
<u>Scythropus elegans</u>	Metallic green snout beetle.	CURCULIONIDAE	Adult a solitary defoliator of western white pine, Douglas-fir and other conifers.	C
<u>Selenia alciphearia</u>	Brown looper.	GEOMETRIDAE	Solitary defoliator of cascara and alder.	C
<u>Semanotus ligneus</u>	CEDAR TREE BORER, red and black cedar borer.	CERAMBYCIDAE	Wood borer.	B
<u>Semiothisa adonis</u>	Green pine looper.	GEOMETRIDAE	Solitary defoliator of pines.	C
<u>Semiothisa neptaria sinuata</u>	Yellow green looper.	GEOMETRIDAE	Solitary defoliator of willow.	C,D
<u>Semiothisa signaria unipunctaria</u>	Green, white-striped looper.	GEOMETRIDAE	Solitary defoliator on conifers except pine.	C
<u>Semiothisa teucaria</u>	Green looper.	GEOMETRIDAE	Solitary defoliator.	C,D
<u>Semiothisa ulsterata</u>	Drab green looper.	GEOMETRIDAE	Solitary defoliator, possibly leaf roller from deciduous trees.	C,D
SEPSIDAE	Small slender flies.		Scavengers.	C

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<u>Serica anthracina</u>	Black or brown leaf chafer beetle.	SCARABAEIDAE	Leaf chafer.	C
<u>Serica sericea</u>	Dark leaf chafer beetle.	SCARABAEIDAE	Leaf chafer.	C
<u>Sericus brunneus</u>	Brown click beetle.	ELATERIDAE	Scavenger.	E
<u>Serropalpus sp.</u>	Elongate brown bark-boring beetle.	MELANDRYIDAE	Feeds in decaying wood.	C,D
SIALIDAE	Alderflies, Dobson flies, etc.		Predators.	E
<u>Sicya macularia argyllaria</u>	Long slender looper, with tubercles.	GEOMETRIDAE	Solitary defoliator of alder and other spp.	C,D
<u>Silis difficilis</u>	Elongate soft black beetle.	CANTHARIDAE	Predator.	E
<u>Silis pallida</u>	Elongate soft black beetle.	CANTHARIDAE	Predator.	E
<u>Silpha lapponica</u>	Black pitted carrion beetle.	SILPHIDAE	Scavenger.	E
SILPHIDAE	Burying or carrion beetles.		Scavengers.	E
SIMULIIDAE	Black flies, vicious biting flies.		Blood suckers.	C
<u>Sinodendron rugosum</u>	Black rhinoceros beetle.	LUCANIDAE	Scavenger.	E
<u>Sirex areolatus</u>	Horntail sawfly.	SIRICIDAE	Wood borer.	B
<u>Sirex cyaneus</u>	Horntail sawfly. BLUE HORNTAIL.	SIRICIDAE	Wood borer.	B

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SIRICIDAE	Horntail sawflies.		Wood borers.	B
<u>Sitona hispidulus</u>	CLOVER ROOT CURCULIO, small greyish-brown weevil.	CURCULIONIDAE	Root feeder.	C, D
<u>Sitophilus granaria</u>	GRANARY WEEVIL.	CURCULIONIDAE	Grain feeder.	C
<u>Smerinthus cerisyi</u>	Hawk moth.	SPHINGIDAE	Solitary defoliator of willow and other hosts.	C
<u>Sphaericus gibboides</u>	Tiny brown spider beetle.	PTINIDAE	Wood borer.	C
<u>Sphaeridium scarabaeoides</u>	Water scavenger beetle.	HYDROPHILIDAE	Scavenger.	C
<u>Sphaeriestes virescens</u>	Small green bark-dwelling beetle.	PYTHIDAE	Predator.	E
SPHECIDAE	Common mud dauber wasps.		Predators.	E
SPHINGIDAE	Humming bird or hawk moths.		Defoliators.	C
<u>Spilonota ocellana</u>	EYE-SPOTTED BUD MOTH, small pale grey moth.	OLETHREUTIDAE	Solitary defoliator, leaf roller on oak and a pest of apple.	B
<u>Spondylis uniformis</u>	Black longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
STAPHYLINIDAE	Short-winged or rove beetles.		Scavengers and predators.	E
<u>Stegobium paniceum</u>	DRUGSTORE BEETLE, tiny brown death watch beetle.	ANOBIIDAE	Pest of dry food products.	C
<u>Stenolophus conjunctus</u>	Small dark ground beetle.	CARABIDAE	Predator.	E

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<u>Stenolophus fidelis</u>	Small dark ground beetle.	CARABIDAE	Predator.	E
<u>Stenoporpia albescens</u>	Grey looper.	GEOMETRIDAE	Solitary defoliator of conifers.	C
<u>Stenoporpia satisfacta</u>	Grey looper.	GEOMETRIDAE	Solitary defoliator of conifers.	C
<u>Steremnius carinatus</u>	Root weevil.	CURCULIONIDAE	Larvae feed in dead wood, adults are bark feeders and will feed on the bark of seedlings and plantings.	B
<u>Sternochetus lapathi</u>	POPLAR-AND-WILLOW BORER, rough black and white weevil.	CURCULIONIDAE	Stem borer of willow, poplar, cottonwood and poplar hybrids.	B
<u>Stethorus picipes</u>	Tiny black lady beetle.	COCCINELLIDAE	Predator.	E
<u>Sthenopsis quadriguttatus</u>	Ghost moth.	HEPIALIDAE	Willow root borer.	C,D
<u>Stethreus 4-tuberculatus</u>	Small warty grey weevil.	CURCULIONIDAE	Root borer.	C
<u>Stilpnotia salicis</u>	SATIN MOTH.	LYMANTRIIDAE	Defoliator, early instars skeletonize host poplars.	B
STRATIOMYIDAE	Soldier flies, often brightly marked.		Scavengers.	E
<u>Stretchia muricina</u>	Dark brown cutworm.	NOCTUIDAE	Defoliator.	C
<u>Strophosoma melanogramma</u>	Small brown soldier weevils.	CURCULIONIDAE	Borer.	C

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<u>Strymon melinus</u> <u>atrofasciata</u>	"Copper" butterfly.	LYCAENIDAE	Defoliator.	C
<u>Sunira decipiens</u> <u>acta</u>	Brown cutworm.	NOCTUIDAE	Solitary defoliator, possibly a seed eater.	C
<u>Sunira verberata</u>	Grey brown cutworm.	NOCTUIDAE	Solitary defoliator, red osier dogwood, possibly a seed eater.	C
<u>Sympetrum obtusum</u>	Red and yellow dragon fly.	LIBELLULIDAE	Predator.	E
<u>Synaxis jubararia</u>	Brownish looper.	GEOMETRIDAE	Solitary defoliator of alder, willow and other deciduous trees.	C
<u>Synaxis pallulata</u>	Brownish looper.	GEOMETRIDAE	Solitary defoliator of conifers.	C
<u>Syneta albida</u>	Pale yellowish leaf beetle.	CHRYSOMELIDAE	Solitary skeletonizer and defoliator.	C
<u>Syneta carinata</u>	Brown leaf beetle.	CHRYSOMELIDAE	Solitary defoliator and skeletonizer.	C
<u>Syneta hamata</u>	Reddish brown leaf beetle.	CHRYSOMELIDAE	Solitary defoliator and skeletonizer.	C
<u>Syneta pilosa</u>	Brown leaf beetle.	CHRYSOMELIDAE	Solitary defoliator and skeletonizer.	C
<u>Syngrapha ampla</u>	Green cutworm.	NOCTUIDAE	Solitary defoliator.	C
<u>Syngrapha alias</u> <u>interalia</u>	Green and white cutworm.	NOCTUIDAE	Solitary defoliator of hemlock, Douglas- fir and other conifers.	C
<u>Syngrapha octoscripta</u>	Green and white cutworm.	NOCTUIDAE	Solitary defoliator of spruce.	C
<u>Syngrapha rectangula</u> <u>nargenta</u>	Green and white cutworm.	NOCTUIDAE	Solitary defoliator of hemlock, Douglas-fir and other conifers.	C

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<u>Syngrapha selecta</u>	Green and white cutworm.	NOCTUIDAE	Solitary defoliator of Douglas-fir, hemlock and other conifers.	C
SYRPHIDAE	Flower flies.		Predators and scavengers.	E
TABANIDAE	Horse flies.		Blood suckers.	C
TACHINIDAE	Parasitic flies.		Parasites.	E
<u>Tachycellus nigrinus</u>	Small black ground beetle.	CARABIDAE	Predator.	E
<u>Tachyporus chrysomelinus</u>	Tiny brown rove beetle.	STAPHYLINIDAE	Scavenger.	E
<u>Tachypterellus quadrigibbus</u>	APPLE CIRCULIO, dark brown weevil.	CURCULIONIDAE	Not known.	C
<u>Taniva albolineana</u>	SPRUCE NEEDLE MINER,	OLETHREUTIDAE	Solitary leaf miner of white and blue spruces.	C
<u>Telphusa sedulitella</u>	Small dark moth.	GELECHIIDAE	Solitary leaf-roller on oak and willow.	C
<u>Temnochila chlorodia</u>	Metallic green beetle.	OSTOMIDAE	Scavenger.	E
<u>Tenebrio molitor</u>	YELLOW MEALWORM, brown darkling beetle.	TENEBRIONIDAE	Scavenger.	E
<u>Tenebrio obscurus</u>	DARK MEALWORM.	TENEBRIONIDAE	Scavenger.	E
TENEBRIONIDAE	Darkling beetles.		Scavengers.	E
TENTHREDINIDAE	Sawflies.		Defoliators and some are gall formers.	C

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<u>Tenthredo maxima</u>	Black sawfly.	TENTHREDINIDAE	Defoliator.	C
<u>Tenthredo xantha</u>	Yellow sawfly.	TENTHREDINIDAE	Defoliator.	C
TERMITIDAE	Termites.		Feed in dead wood.	B
<u>Tetrahleps</u> sp.	Small black bug.	ANTHOCORIDAE	Predator.	E
<u>Tetratoma concolor</u>	Small brown fungus beetle.	MELANDRYIDAE	Feeds in woody fungus.	C
TETRIGIDAE	Grouse or pigmy locusts.		Feed on vegetable matter.	C
<u>Tetropium cinnamopterum</u>	Small brownish longhorn beetle.	GERAMBYCIDAE	Wood borer.	C
<u>Tetropium velutinum</u>	Brown and black longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
TETTIGIONIIDAE	Long-horned grasshoppers.		Defoliators -mostly agricultural.	C
<u>Thanasimus undulatus</u>	Black and white checker beetle.	CLERIDAE	Predator.	E
<u>Thanasimus undulatus nubilis</u>	Black and white checker beetle.	CLERIDAE	Predator.	E
THRESEVIDAE	Stiletto flies.		Predators.	E
THROSCIDAE	Pseudo click beetles.		Scavengers.	E
<u>Throscus debilis</u>	Tiny pseudo click beetle.	THROSCIDAE	Scavenger.	E

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<u>Thyanta custator</u>	Green stink bug.	PENTATOMIDAE	Predator.	D,E
THYATIRIDAE	Moths.		Defoliators.	C
Thysanoptera	Thrips.		Plant suckers, generally in flowers.	C
Thysanura	The bristle tails.		Scavengers.	E
<u>Timarcha intricata</u>	Rough shiny brown leaf beetle.	CHRYSOMELIDAE	Leaf skeletonizer on maple.	C
<u>Tinea pellionella</u>	CASEMAKING CLOTHES MOTH.	TINEIDAE	Feeds on fabrics, not a forest insect.	B
TINEIDAE	Clothes moths.		Feed on fabrics.	B
TINGIDAE	Lace bugs.		Plant suckers.	C
TIPULIDAE	Crane flies.		Scavengers on dead vegetation.	E
<u>Tolyte dayi</u>	Fringed caterpillar.	LASIOCAMPIDAE	Solitary defoliator on conifers.	C,D
<u>Tomoxia borealis</u>	Small dark flower beetle.	MORDELLIDAE	Bore into plants.	C
TORTRICIDAE	Leaf rollers or bell moths.		Defoliation, bud mining, leaf rolling, more important pests in family generally identifiable to species.	B,C
<u>Tortrix dimorphana</u>	Small pale gold moth.	TORTRICIDAE	Solitary sheltered defoliator, leaf roller on conifers.	C
<u>Tortrix packardianus</u>	Small brownish moth.	TORTRICIDAE	Defoliator.	C



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TORYMIDAE	Parasitic wasps.		Parasites, guests.	E
<u>Torymus giganteus</u>	Small associate wasp.	TORYMIDAE	Gall feeder.	B
<u>Trachoma falciferella</u>	Small silvery grey moth.	PLUTELLIDAE	Defoliator, leaf roller, crabapple and mountain ash.	C
<u>Trachykele blondeli</u>	WESTERN CEDAR BORER.	BUPRESTIDAE	Wood borer, may occur in standing cedars.	B
<u>Trachykele nimbose</u>	Grey mottled flat-headed borer.	BUPRESTIDAE	Wood borer.	C
<u>Trachypachus holmbergi</u>	Small shiny ground beetle.	CARABIDAE	Predator.	E
<u>Tragosoma depsarium</u>	large brown longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
<u>Trialeurodes merlini</u>	Minute whitefly.	ALEYRODIDAE	Feeds on leaves of Arbutus.	C
<u>Tribolium confusum</u>	CONFUSED FLOUR BEETLE, small brown beetle.	TENEBRIONIDAE	Scavenger.	C
<u>Tribolium ferrugineum</u>	Small brown darkling beetle.	TENERBRIONI DAE	Scavenger.	C
<u>Tribolium madens</u>	Small black darkling beetle.	TENEBRIONI DAE	Scavenger.	C
<u>Trichalophus didymus</u>	Large greyish weevil.	CURCULIONIDAE	Root borers.	C
<u>Trichiosoma triangulum</u>	Large pale green sawfly.	CIMBICIDAE	Open, solitary defoliator on alder, willow and other deciduous trees and shrubs.	C
<u>Trichodes ornatus</u>	Yellow and blue checker beetle.	CLERIDAE	Predator.	E

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TRICHOGRAMMATIDAE	Parasitic wasps.		Parasites.	E
TRICHOPTERA	Caddis flies.		Aquatic scavengers, friend of fishermen.	E
<u>Trigonogenius globulum</u>	Mottled brown death watch beetle.	PTINIDAE	Bore into finished wood.	C
<u>Triphosa haesitata</u>	Green lined looper.	GEOMETRIDAE	Solitary defoliator, preferred host cascara.	C
<u>Triplax californica</u>	Small blue and red fungus beetle.	EROTYLIDAE	Feeds in decaying wood.	C
<u>Tropidischia xanthostoma</u>	Cave cricket.	TETTIGONIIDAE	Scavenger.	C, D
TRUPANEIDAE	Fruit flies.		Leaf miners and gall makers.	C
<u>Trypodendron lineatum</u>	"Striped ambrosia beetle."	SCOLYTIDAE	Wood borer.	B, A
<u>Tychius picirostris</u>	Tiny grey seed weevil.	CURCULIONIDAE	Feed on developing seeds.	B, A
<u>Ufeus hulsti</u>	Brown cutworm.	NOCTUIDAE	Forage feeder.	D
<u>Ulochaetes leoninus</u>	LION BEETLE, wasp- like longhorn beetle.	CERAMBYCIDAE	Wood borer.	C
<u>Urocerus albicornis</u>	Black and white horntail.	SIRICIDAE	Wood borer.	B
<u>Urocerus californicus</u>	Large black and yellow horntail.	SIRICIDAE	Wood borer.	B
<u>Urocerus flavicornis</u>	Yellow horntail.	SIRICIDAE	Wood borer.	B
<u>Utobium elegans</u>	Grey mottled death watch beetle.	ANOBIIDAE	Bore into finished wood.	C

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<u>Vanessa atalanta</u>	RED-ADMIRAL, butterfly.	NYMPHALIDAE	Defoliator on nettles.	C
<u>Vanessa cardui</u>	PAINTED LADY, butterfly.	NYMPHALIDAE	Defoliator of Canada thistle and other compositae.	B,C
<u>Venusia cambrica</u>	Small green looper	GEOMETRIDAE	Solitary defoliator, prefereed host alder.	C
<u>Venusia duodecimlineata</u>	Green looper.	GEOMETRIDAE	Defoliator.	D
<u>Venusia pearsalli</u>	Small green looper.	GEOMETRIDAE	Solitary defoliator of red alder and a wide range of trees and shrubs.	C
<u>Vespania sequoiae</u>	SEQUOIA PITCH MOTH.	AEGERIIDAE	Bark borer and pitch moth on lodgepole and other pines.	C
VESPIDAE	Hornets or yellow jacket wasps.		Predators and scavengers.	E
<u>Vespula</u> sp.	Common wasp, "social wasps".	VESPIDAE	Predator and scavenger, occasionally chews bark.	E
<u>Vrilletta decorata</u>	Dark death watch beetle.	ANOBIIDAE	Bores into finished wood.	C
<u>Winthemia</u> sp.	Parasitic fly.	TACHINIDAE	Parasite.	E
<u>Xanthochroa testacea</u>	Elongate yellow- brown beetle.	OEDEMERIDAE	Feeds in decaying wood.	E
<u>Xanthorhoe defensaria</u>	Looper.	GEOMETRIDAE	Defoliator.	C
<u>Xyleborus saxeseni</u>	Tiny bark beetle.	SCOLYTIDAE	Wood borer.	C
<u>Xylena curvamacula</u>	Green cutworm.	NOCTUIDAE	Defoliator.	C

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<u>Xylena thoracica</u>	Cutworm.	NOCTUIDAE	Defoliator.	C
<u>Xyletinus furcatus</u>	Small black death watch beetle.	ANOBIIDAE	Bores into finished wood.	C
<u>Xylita laevigata</u>	Brown bark boring beetle.	MELANDRYIDAE	Feeds in decaying wood.	C
<u>Xylita livida</u>	Yellow brown boring beetle.	MELANDRYIDAE	Feeds in decaying wood and bark.	C
<u>Xylomyges candida</u>	Cutworm.	NOCTUIDAE	Solitary defoliator of Douglas-fir, arbutus and other trees.	C
<u>Xylomyges cognata</u>	Cutworm.	NOCTUIDAE	Solitary defoliator, has been found on poplar and oak.	C
<u>Xylomyges crucialis</u>	Cutworm.	NOCTUIDAE	Solitary defoliator of red alder and other hosts.	C
<u>Xylomyges hiemalis</u>	Cutworm.	NOCTUIDAE	Probably a forage feeder.	C
<u>Xylomyges perlubens</u>	Cutworm.	NOCTUIDAE	Solitary defoliator of willow.	C
<u>Xylomyges pulchella</u>	Cutworm.	NOCTUIDAE	Solitary defoliator of willow and probably forage plants.	C
<u>Xylomyges simplex</u>	Cutworm.	NOCTUIDAE	Solitary defoliator on red alder, maple, arbutus, Douglas-fir.	C, D
<u>Xylophagus decorus</u>	Large fly.	COENOMYIIDAE	Found in moist woods.	C
<u>Xylotrechus undulatus</u>	Yellow-marked black longhorn beetle.	CERAMBYCIDAE	Wood borer in conifers.	C

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YPONOMEUTIDAE	Small mining moths.		Leaf miners and defoliators, can be important on regeneration.	C
<u>Zale duplicata</u> <u>largera</u>	Looper cutworm.	NOCTUIDAE	Solitary defoliator on pine.	C
<u>Zale minerea morda</u>	Looper cutworm.	NOCTUIDAE	Solitary defoliator on deciduous trees.	C
<u>Zaraea americana</u>	Sawfly.	CIMBICIDAE	Defoliator on conifers and ground cover.	C
<u>Zeiraphera</u> spp.	Bud moths.	OLETHREUTIDAE	Bud miners and tip defoliators, on conifers.	B
<u>Zelleria gracilariella</u>	Small red brown moth.	YPONOMEUTIDAE	Solitary leaf rooler, defoliator, current spp.	C
<u>Zelleria haimbachi</u>	Pine needle miner.	YPONOMEUTIDAE	Solitary sheltered miner and defoliator of Ponderosa and lodgepole pines.	B
<u>Zelus</u> sp.	Long legged assassin bug.	REDUVIIDAE	Predator.	E
<u>Zicrona caerulea</u>	Metallic blue stink bug.	PENTATOMIDAE	Predator.	C,D
<u>Zootermopsis angusticollis</u>	PACIFIC DAMPWOOD TERMITE.	KALOTERMITIDAE	Bores and feeds in A,B,E dead wood.	