

Wood Species and their potential toxic effects

Wood	Botanical name	Adverse reaction	Toxic parts
Balsam fir	<i>Abies balsamea</i>	Sensitizer skin and eyes irritation	Leaves, bark
Mulga	<i>Acacia aneura</i>	Irritation to nose, throat, eyes; headaches, vomiting	Dust
Brigalow	<i>Acacia harpophylla</i>	Dermatitis; irritation to nose, eyes, throat, groin	Bark dust, wood dust
Australian blackwood	<i>Acacia melanoxylon</i>	Dermatitis; asthma, nose and throat irritation; sensitizer	Dust, wood
European maple	<i>Acer campestre</i>	Sensitizer; decrease in lung function	Dust
Bigleaf maple	<i>Acer macrophyllum</i>	Dermatitis, rhinitis, allergic bronchial asthma	Dust
Boxelder	<i>Acer negundo</i>	Dermatitis, rhinitis, allergic bronchial asthma	Dust
Soft maple	<i>Acer rubrum</i> , <i>A. saccharinum</i>	May affect lung function	Dust
Hard maple	<i>Acer saccharum</i> , <i>A. nigrum</i>	May affect lung function	Dust
Yellow buckeye	<i>Aesculus flava</i>	Nuts and twigs contain aescin, a cytotoxin	Nuts, twigs
Afzelia/doussie	<i>Afzelia</i> spp.	Dermatitis, respiratory problems, nose and throat irritation	Dust
Albizia	<i>Albizia (Paraserianthes) falcataria</i>	Irritation to nose, eyes, alimentary tract; dermatitis; nausea	Dust
Kokko	<i>Albizia lebbach</i>	Irritant to eyes, nose and throat	Dust
Red siris	<i>Albizia toona</i>	Dermatitis, nosebleeds, conjunctivitis, giddiness	Dust
Alder	<i>Alnus</i> spp.	Dermatitis, rhinitis, bronchial problems	Dust

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Cashew	Anacardium occidentale	Sensitizer; Blisters from sap; dermatitis	Dust, wood, sap
Peroba rosa	Aspidosperma peroba	Skin irritation, headache, nausea, sweating, respiratory problems, fainting, drowsiness, stomach cramps, weakness, blisters	Dust, wood
Goncalo alves	Astronium fraxinifolium	Sensitizer; dermatitis, irritation to skin and eyes	Wood, dust
Gaboon/okoume	Aucoumea klaineana	Irritant to skin and eyes; asthma, coughing	Dust, wood
Tatajuba	Bagassa guianensis	Contact dermatitis, allergic reactions	Dust, wood
Rhodesian teak	Baikiaea plurijuga	Respiratory irritation	No information
Pau marfim	Balfouredendron riedelianum	Dermatitis, rhinitis, asthma	Dust
Pink ivory	Berchemia zeyheri	Bark and fruit are poisonous; sap can cause dermatitis	Fruit, bark, sap
Yellow birch	Betula alleghaniensis	Dermatitis, respiratory problems	Dust
Paper birch	Betula papyrifera	Dermatitis, respiratory problems	Dust
Silver birch	Betula pendula	Sensitizer; dermatitis, respiratory problems	Dust, wood
Rose butternut	Blepharocarya involucrigera	Dermatitis, conjunctivitis	Dust

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Sucupira	Bowdichia spp.	Allergic contact dermatitis	Dust, wood
Muhuhu	Brachylaena hutchinsii	Dermatitis	Dust, wood
Satine	Brosimum spp.	Nausea, excessive salivation, thirst	Dust
Snakewood	Brosimum guianense	Thirst, salivation, respiratory tract irritation, nausea	Dust, wood
Cocuswood	Brya ebenus	Dermatitis	Dust, wood
Boxwood	Buxus sempervirens	Sensitizer; dermatitis; irritant to eyes, nose and throat	Dust, wood
White cypress pine	Callitris glauca	Dermatitis, swollen eyelids, asthma, nasal irritation, nasal cancer	Dust, wood
Jacareuba	Calophyllum brasiliense	Dermatitis, loss of appetite, possible kidney damage, fainting, insomnia	Dust, wood
Australian silky oak	Cardwellia sublimis	Dermatitis	Dust, green wood
Sweet chestnut	Castanea sativa	Dermatitis	Bark, lichens
Blackbean	Castanospermum australe	Dermatitis, dermatitis; irritation to nose, eyes, throat, armpits, genitals	Dust
South American cedar	Cedrela fissilis	Dermatitis, asthma; nose and throat irritation, skin blistering, inflammation of eyelids, possible nasal cancer	Dust, wood
Cedar of Lebanon	Cedrus libani	Respiratory disorders, rhinigis, chest tightness	Dust

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Coachwood	<i>Ceratopetalum apetalum</i>	Dermatitis	Dust
Port Orford cedar	<i>Chamaecyparis lawsoniana</i>	Dermatitis, irritation to eyes and lungs, violent earache giddiness, stomach cramps. Inhalation of odour from freshly milled wood can cause kidney problems	Dust, extractives
Greenheart	<i>Chlorocardium rodiaei</i>	Splinters go septic; cardiac and intestinal disorders, severe throat irritation; sensitizer	Wood, dust
Ceylon satinwood	<i>Chloroxylon swietenia</i>	Dermatitis, headache, swelling of scrotum, nasal irritation	Dust, wood
Camphor laurel	<i>Cinnamomum camphora</i>	Dermatitis, shortness of breath	Dust
Freijo/cordia	<i>Cordia goeldiana</i>	Possibly a skin sensitizer	Dust, wood
Spottem gum	<i>Corymbia citrodora</i>	Dermatitis	Dust, wood
Red bloodwood	<i>Corymbia gummifera</i>	Irritation to eyes and skin, dermatitis, violent headache, giddiness, stomach cramps, asthma, bronchitis	Dust
New Zealand white pine	<i>Dacrycarpus dacryoides</i>	Dermatitis, irritation to nose and throat	Dust
Rimu	<i>Dacrydium cupressinum</i>	Eye and nose irritant	Dust
Rosewood	<i>Dalbergia</i> spp.	Irritation, dermatitis, respiratory problems; sensitizer	Dust, wood
Kingwood	<i>Dalbergia cearensis</i>	Eye and skin irritant	Dust

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African blackwood	<i>Dalbergia melanoxylon</i>	Acute dermatitis, conjunctivitis, sneezing, asthma	Dust
Cocobolo	<i>Dalbergia retusa</i>	Sensitizer; irritant to skin, nose and throat; conjunctivitis, nausea, bronchial asthma, wheezing, chest tightness, headache	Dust, wood
Ebony (macassar and African)	<i>Diospyros</i> spp.	Irritant; dermatitis, conjunctivitis, sneezing; possible a skin sensitizer	Dust, wood
Persimmon	<i>Diospyros virginiana</i>	Possible dermatitis	Heartwood, dust
Ayan/movingui	<i>Distemonanthus benthamianus</i>	Dermatitis	Dust
Jelutong	<i>Dyera costulata</i>	Possible contact allergy	Wood, dust
Miva mahogany	<i>Dysoxylum muelleri</i>	Dermatitis, lung congestion, nose bleeds, inflammation of nose and eyes, loss of appetite, headache	Dust
Gedu nohor	<i>Entandrophragma angolense</i>	Dermatitis	Wood, dust
Sapele	<i>Entandrophragma cylindricum</i>	Skin irritation, sneezing	Dust
Utile	<i>Entandrophragma utile</i>	Skin irritant	Dust, wood
Guanacase	<i>Enterolobium cyclocarpum</i>	Possible mucous membrane irritation, allergies	Dust
Southern blue gum	<i>Eucalyptus</i> spp.	Dermatitis	Dust, wood

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Tasmanian oak	<i>Eucalyptus delegatensis</i> , <i>E. obliqua</i> , <i>E. regnans</i>	Dermatitis, asthma, sneezing; irritant to eyes, nose and throat	Dust
Blue gum	<i>Eucalyptus globulus</i>	Dermatitis	Dust, wood
Yellow gum	<i>Eucalyptus leucoxylon</i>	Irritant to nose and throat	Dust
Jarrah	<i>Eucalyptus marginata</i>	Irritant to eyes, nose and throat	Dust
Grey box	<i>Eucalyptus microcarpa</i>	Irritant to skin, throat and nose, eczema	Dust, wood
Coolibah	<i>Eucalyptus microtheca</i>	Dermatitis	Bark, wood dust
Sydney blue gum	<i>Eucalyptus saligna</i>	Contact dermatitis, nose and throat irritation	Dust, wood
American beech	<i>Fagus grandifolia</i>	Dermatitis, eye irritation, decrease in lung function, rate incidence of nasal cancer	Dust
European beech	<i>Fagus sylvatica</i>	Dermatitis, eye irritation, decrease in lung function, rate incidence of nasal cancer	Leaves, bark, dust
Crows' ash	<i>Flindersia australis</i>	Dermatitis	Dust
Queensland maple	<i>Flindersia brayleyana</i>	Dermatitis	Dust, wood
Ash	<i>Fraxinus americana</i> , <i>F. excelsior</i>	Rhinitis, asthma, decrease in lung function	Dust
Japanese ash	<i>Fraxinus mandschurica</i>	Can affect lung function	Dust

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Rengas	Gluta spp.	Irritant; dermatitis, blistering, chronic intestinal ulcers	Bark, sap, dust
African boxwood	Gonioma kamassi	Irritation to nose and throat, asthma, fainting, headache, shortness of breath	Dust, extractives
Ramin	Gonystylus macrophyllum	Dermatitis; sharp fibres cause skin irritation; breathing difficulties, coughing, shivering, sweating, tiredness	Bark, splinters
Agba/tola	Gossweilerodendron balsamiferum	Dermatitis	Dust
Lignum vitae	Guaiacum officinale	Dermatitis	Dust
Guarea	Guarea cedrata	Skin and mucous membrane irritation, visual disturbance, nausea, headache, dermatitis, asthma	Dust, extractives
bubnga	Guibourtia demeusei	Dermatitis, possible skin lesions	Dust, extractives
Cooliman tree	Gyrocarpus americanus	Can apparently cause blindness	No information
Bibu	Holigarna arnottiana	Skin blisters from sap, eye irritation	Sap
Courbaril	Hymenaea courbaril	Skin irritant	Dust
Merbau	Intsia bijuga	Dermatitis, rhinitis; irritant dust	Dust
Caroba	Jacaranda caroba	Dermatitis	Dust

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Butternut	<i>Juglans cinerea</i>	Irritant to skin and eyes; asthma, coughing	Dust
American walnut	<i>Juglans nigra</i>	Irritant to eyes and skin	Dust, wood
European walnut	<i>Jugland regia</i>	Dermatitis, irritation of nose, eyes and throat, possible nasal cancer	Dust
Virginian pencil cedar	<i>Juniperus virginiana</i>	Respiratory problems, possible dermatitis	Dust
African mahogany	<i>Khaya ivorensis</i>	Dermatitis rhinitis, respiratory problems, nasal cancer	Dust
Laburnum	<i>Laburnum anagyroides</i>	Seeds highly toxic	Seeds
European larch	<i>Larix decidua</i>	Dermatitis, possible from bark lichens; nettle rash, respiratory irritation	Bark, dust
Western larch	<i>Larix occidentalis</i>	Dermatitis, rhinitis, allergic bronchial asthma	Dust
American sweet gum	<i>Liquidambar styraciflua</i>	Dermatitis, possible skin lesions	Dust
American whitewood	<i>Liriodendron tulipifera</i>	Dermatitis, allergic reactions	Dust
Bollywood	<i>Litsea glutinosa</i>	Skin irritation	Dust
Ekki	<i>Lophira alata</i>	Dermatitis and itching	Dust, wood
African walnut	<i>Lovoa trichilioides</i>	Irritation to mucous membranes and alimentary tract; nasal cancer	Dust

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Jacaranda pardo	Machaerium villosum	Contact dermatitis, allergic symptoms	Wood, dust
Osage-orange	Maclura pomifera	Dermatitis	Sap
Red lancewood	Manilkara huberi	Dermatitis	Dust
Mansonia	Mansonia altissima	Splinters go septic; nosebleeds, sneezing, skin irritation, asthma, respiratory problems, headache, nausea, vomiting, cardiac disorders. Bark highly toxic	Dust, wood, bark
Rata	Metrosideros robusta	Irritation to nose and eyes	Dust
Zebrano	Microberlinia brazzavillensis	Sensitizer; irritant to eyes and skin; asthma, breathing difficulties	Dust, wood
Iroko	Milicia excelsa	Dermatitis, furunculosis, asthma, nettle rash, oedema of eyelids, respiratory problems, sneezing, giddiness	Dust
Wenge	Millettia laurentii	Splinters go septic; irritation of eyes, skin and respiratory system; dermatitis, giddiness, drowsiness, visual problems, stomach cramps; sensitizer	Dust, wood
Abura/bahia	Mitragyna ciliata (Hallea ledermannii)	Vomiting, nausea, giddiness, eye irritation, short splinters hard to remove	Dust, splinters
Opepe	Nauclea diderrichii	Dermatitis, mucous membrane irritation, giddiness, visual disturbance, nosebleeds, blood spitting	Dust, wood
Oleander	Nerium oleander	Cardiac problems, malaise, nausea	Dust, wood, leaves, bark

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Tasmanian myrtle	Nothofagus cunninghamii	Irritation to mucous membranes	Dust
Stinkwood	Ocotea bullata	Nasal irritant	Dust
Imbuia	Ocotea (syn. Phoebe) porosa	Irritant to nose, eyes, skin	Dust
Europan olive	Olea europaea	Irritant to eyes, skin and respiratory system	Dust
East african olive	Olea hochstetteri	Irritant to eyes, skin, nose and lungs	Dust
Desert ironwood	Olneya tesota	Rhinitis, sneezing	Fine dust
White peroba	Paratecoma peroba	Dermatitis, nasal irritation, asthma; splinters go septic	Dust
Purpleheart	Peltogyne pubescens	Nasal irritation, nausea	Dust, wood
Afrormosia	Pericopsis elata	Skin and eye irritation; splinters go septic; effects on the nervous system; possible rhinitis and asthma	Dust, splinters
Spruce	Picea abies	Respiratory problems, irritation to nose and throat	Dust, wood
Stitka spruce	Picea sitchensis	Respiratory irritation, asthma, rhinitis, dermatitis	Dust
Pine	(various) Pinus spp.	Irritant; decrease in lung function, allergic bronchial asthma, rhinitis, dermatitis	Dust, wood
Dahoma	Piptadeniastrum africanum	Irritant; dermatitis, sneezing, coughing, nose bleeds	Dust, wood

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Taun	<i>Pometia pinnata</i>	Dermatitis, rhinitis	Dust
Poplar	(various) <i>Populus</i> spp.	Dermatitis, sneezing, eye irritation, asthma, bronchitis	Dust, wood
Mesquite	<i>Prosopis juliflora</i>	Dermatitis, respiratory irritation	Dust
American cherry	<i>Prunus serotina</i>	Wheezing, giddiness	Dust
Douglas fir	<i>Pseudotsuga menziesii</i>	Dermatitis, nasal cancer, rhinitis, respiratory problems, splinters go septic	Dust, wood
Padauk	<i>Pterocarpus</i> spp.	Dermatitis, itching, nasal irritation, eyelid swelling, vomiting, asthma; sensitizer	Dust, wood
Muninga	<i>Pterocarpus angolensis</i>	Dermatitis, bronchial asthma, nasal irritation	Dust
Amboyna	<i>Pterocarpus indicus</i>	Dermatitis, asthma, nausea	Dust
American white, red oak	<i>Quercos alba</i> , <i>Q. rubra</i>	Asthma, sneezing, irritation to nose and eyes, nasal cancer	Dust
Japanese oak	<i>Quercus mongolica</i>	Dermatitis, sneezing, nasal cancer	Dust
European oak	<i>Quercus robur</i> , <i>Q. petraea</i>	Dermatitis, sneezing, nasal cancer	Dust
Sumac	<i>Rhus</i> spp.	Blisters from bark; dermatitis	Dust, bark
Robinia	<i>Robinia pseudoacacia</i>	Irritant to eyes and skin; nausea, malaise	Dust, leaves, bark

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Willow	Salix alba	Sensitizer; allergic reaction similar to aspirin	Dust, wood, leaves, bark
Sassafras	Sassafras officinale	Sensitizer; irritant to skin and respiratory system; possible nasal cancer	Dust, wood, leaves, bark
Needlewood	Schima wallichii	Skin irritation	Bark
Quebracho	Schinopsis spp.	Dermatitis, respiratory and nasal irritation, nausea, malaise; possible carcinogen	Dust, leaves, bark
Sequoia (redwood)	Sequoia sempervirens	Asthma, wheezing, dermatitis, nasal cancer, hypersensitivity pneumonia; respiratory irritant	Dust
Lauan/meranti	Shorea spp.	Irritation, dermatitis	Dust
White lauan	Shorea contorta	Dermatitis, irritation of nose, eyes, throat	Dust
Tamboti	Spirostachys africana	Irritant to skin and eyes; ; possible blindness	Bark, sap, dust
American mahogany	Swietenia macrophylla	Dermatitis, respiratory problems, giddiness, furunculosis, vomiting	Dust
Turpentine	Syncarpia glomulifera	Irritant to mucous membranes	Dust
Ipe	Tabebuia serratifolia	Yellow dust can cause skin and eye irritation. Possible shortness of breath, headache, visual disturbance	Dust
Bald cypress	Taxodium distichum	Sensitizer; respiratory problems	Dust

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Yew	<i>Taxus baccata</i>	Headaches, nausea, fainting, intestinal irritation, visual disturbances, lung congestion, reduction in blood pressure; sensitizer. Highly toxic to humans and cattle	Dust, wood, leaves
Pacific yew	<i>Taxus brevifolia</i>	Highly toxic; irritant; dermatitis	All parts
Teak	<i>Tectona grandis</i>	Dermatitis, conjunctivitis, irritation to nose and throat, swelling of the scrotum, nausea, oversensitivity to light	Dust
Indian laurel	<i>Terminalia alata</i>	Irritant	Dust
Idigbo	<i>Terminalia ivorensis</i>	Skin and respiratory problems; possible irritant	Dust
Afara/liba	<i>Terminalia superba</i>	Splinters go septic; nettle rash, nose and gum bleeding, decrease in lung function	Dust, wood
Western red cedar	<i>Thuja plicata</i>	Asthma, rhinitis, dermatitis, mucous membrane irritation, nosebleeds, stomach pains, nausea, giddiness, disturbance to central nervous system	Dust, wood, leaves, bark
Makore	<i>Tieghemella heckelii</i>	Dermatitis, nose and throat irritation, nosebleeds, stomach pains, nausea, giddiness, disturbance to central nervous system	Dust, wood
Australian red cedar	<i>Toona ciliata</i>	Irritant to nose and throat; dermatitis, violent headache, giddiness, stomach cramps, asthma, bronchitis	Dust
Obeche	<i>Triplochiton scleroxylon</i>	Dermatitis, nettle rash, asthma, lung congestion, sneezing, wheezing	Dust, wood
Western hemlock	<i>Tsuga heterophylla</i>	Dermatitis, rhinitis, eczema, bronchial problems, possible nasal cancer	Dust

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Avodire	Turraeanthus africanus	Dermatitis, nosebleeds, respiratory irritation, possible internal bleeding	Dust
American elm	Ulmus americana	Dermatitis; irritant to nose and eyes	Dust
Wych elm	Ulmus glabra	Dermatitis; irritant; nasal cancer	Dust
Dutch elm	Ulmus hollandica	Dermatitis; irritation of nose and throat; nasal cancer	Dust
English elm	Ulmus procera	Dermatitis; irritation of nose, eyes, throat ; nasal cancer	Dust
Rock elm	Ulmus thomasii	Dermatitis; skin irritation	Dust
Myrtle	Umbellularia californica	Sensitizer; respiratory problems	Leaves, bark, dust
West indian satinwood	Zanthoxylum flavum	Dermatitis, giddiness, nausea, lethargy, visual disturbances	Dust