

Polyphagous shot-hole borer (PSHB) Australian Host List


Species are only added to this list if the identity of the beetle and/or its symbiotic fungus (*Fusarium* sp. [AF-18]) was confirmed by DNA sequencing.

Reproductive host trees

Host trees in which both the beetles and the fungus establish, and where the beetle successfully reproduces. Some reproductive hosts can be killed by PSHB.

Preferred hosts are host trees that have been recorded as reproductive on at least three properties and are typically associated with moderate to heavy infestation levels. Preferred hosts in Western Australia:

- *Acer negundo* - Box elder maple
- *Coprosma repens* - Mirror bush
- *Delonix regia* - Poinciana
- *Erythrina x sykesii* - Coral tree
- *Ficus macrophylla* - Moreton Bay fig
- *Ficus rubiginosa* - Port Jackson fig
- *Morus alba* - White mulberry
- *Morus nigra* - Black mulberry
- *Platanus x acerifolia* - London plane tree
- *Robinia pseudoacacia* - Robinia, mop top robinia, black locust

Scientific name	Common name
<i>Acer negundo</i>	Box elder maple
 Box elder maple (<i>Acer negundo</i>) are highly susceptible reproductive hosts that typically die within two years of PSHB attack. They amplify the PSHB population and increase the risk to surrounding trees.	
<i>Acalypha wilkesiana</i>	Copperleaf
<i>Acer buergerianum</i>	Trident maple
<i>Albizia lebbbeck</i> **	Broome raintree, lebbbeck tree
<i>Archontophoenix cunninghamiana</i> *	Bangalow palm, King palm, Illawara palm
<i>Banksia littoralis</i> **	Swamp banksia
<i>Banksia prionotes</i> **	Acorn banksia
<i>Bauhinia variegata</i>	Orchid tree
<i>Bauhinia variegata</i> var. <i>candida</i>	Orchid tree
<i>Bossiaea linophylla</i> **	Narrow-Leaved Bossiaea
<i>Brachychiton acerifolius</i> *	Illawarra flame tree
<i>Brugmansia arborea</i>	Angel's trumpet
<i>Brugmansia suaveolens</i>	Angel's trumpet

Scientific name	Common name
<i>Buxus sempervirens</i>	Caucasian boxwood
<i>Castanospermum australe</i> *	Moreton Bay chestnut
<i>Casuarina cunninghamiana</i> *	River sheoak
<i>Casuarina obesa</i> **	Swamp sheoak
<i>Ceratonia siliqua</i>	Carob tree
<i>Citrus x aurantium</i>	Bitter orange, Seville orange
<i>Citrus x latifolia</i>	Tahitian lime
<i>Coprosma repens</i>	Mirror bush
<i>Corymbia calophylla</i> **	Marri
<i>Corymbia ficifolia</i> **	Red flowering gum
<i>Delonix regia</i>	Poinciana
<i>Dombeya tiliacea</i> (syn. <i>Dombeya natalensis</i>)	Cape wedding flower
<i>Dovyalis caffra</i>	Kei apple
<i>Dracaena reflexa</i> var. <i>angustifolia</i>	Song of India
<i>Duranta erecta</i>	Golden dewdrops
<i>Erythrina caffra</i>	African coral tree
<i>Erythrina x sykesii</i>	Coral tree
<i>Eucalyptus cladocalyx</i> *	Sugar gum
<i>Eucalyptus globulus</i> *	Southern blue gum
<i>Eucalyptus robusta</i> *	Swamp mahogany
<i>Ficus benjamina</i> *	Weeping fig
<i>Ficus carica</i>	Common fig
<i>Ficus elastica</i>	Rubber tree
<i>Ficus macrophylla</i> *	Moreton Bay fig
<i>Ficus microcarpa</i> *	Green Island fig
<i>Ficus rubiginosa</i> *	Port Jackson fig
<i>Ficus sycomorus</i>	Mulberry fig
<i>Fraxinus angustifolia</i>	Narrow-leaf ash
<i>Gleditsia triacanthos</i>	Honey locust
<i>Grevillea robusta</i> *	Silky oak
<i>Ligustrum japonicum</i>	Japanese privet
<i>Liquidambar styraciflua</i>	Sweet gum, liquidambar
<i>Harpephyllum caffrum</i>	Kaffir plum
<i>Heptapleurum actinophyllum</i> (syn. <i>Schefflera actinophylla</i>)*	Australian umbrella tree
<i>Heptapleurum arboricola</i> (syn. <i>Schefflera arboricola</i>)	Dwarf umbrella tree
<i>Hibiscus mutabilis</i>	Confederate rose
<i>Hibiscus rosa-sinensis</i>	Chinese hibiscus
<i>Koelreuteria paniculata</i>	Golden rain tree
<i>Macadamia integrifolia</i> *	Macadamia nut
<i>Magnolia grandiflora</i>	Southern magnolia

Scientific name	Common name
<i>Mangifera indica</i>	Mango
<i>Melaleuca quinquenervia</i> *	Paper bark
<i>Melaleuca raphiophylla</i> **	Swamp paperbark
<i>Morus alba</i>	White mulberry
<i>Morus alba</i> 'Pendula'	Weeping mulberry
<i>Morus nigra</i>	Black mulberry
<i>Persea americana</i>	Avocado
<i>Platanus x acerifolia</i>	London plane tree
<i>Platanus occidentalis</i>	American sycamore
<i>Populus deltoides</i>	Eastern cottonwood
<i>Populus nigra</i>	Black poplar
<i>Populus simonii</i>	Simon's poplar
<i>Prunus cerasifera</i>	Cherry plum
<i>Pyrus calleryana</i>	Callery pear
<i>Quercus chrysolepis</i>	Canyon live oak
<i>Quercus petraea</i>	Durmast oak
<i>Quercus robur</i>	English oak
<i>Quercus suber</i>	Cork oak
<i>Raphirolepis loquata</i> (syn. <i>Eriobotrya japonica</i>)	Loquat
<i>Ricinocarpos pinifolius</i> *	Wedding bush
<i>Ricinocarpos tuberculatus</i> x <i>cyanescens</i> **	Ricinocarpos bridal star, wedding bush.
<i>Ricinus communis</i>	Castor oil
<i>Robinia pseudoacacia</i>	Robinia, mop top robinia, black locust
<i>Salix babylonica</i>	Weeping willow
<i>Salix matsudana</i>	Corkscrew willow
<i>Salix humboldtiana</i>	Humboldt's willow
<i>Sapindus saponaria</i> subsp. <i>drummondii</i>	Western soap berry
<i>Spyridium globulosum</i> **	Basket bush
<i>Syzygium smithii</i> *	Lilly pilly
<i>Talipariti tiliaceum</i> (syn. <i>Hibiscus tiliaceus</i>)*	Sea hibiscus, cottonwood
<i>Triadica sebifera</i> (syn. <i>Sapium sebiferum</i>)	Chinese tallow
<i>Ulmus glabra</i>	Wych elm, Scots elm
<i>Ulmus</i> sp. 1 cf. <i>glabra</i> or <i>minor</i>	Elm (Wych/Scots or Field)
<i>Wisteria sinensis</i>	Chinese wisteria
<i>Wisteria</i> sp. 1	Wisteria
<i>Zelkova serrata</i>	Zelkova, Japanese elm

* Australian native, ** Western Australian native

Non-reproductive host trees

Host trees that are attacked but the beetles do not establish breeding galleries. The fungus may or may not cause disease. Trees are generally not expected to die.

Scientific name	Common name
<i>Acacia retinodes</i> *	Silver wattle
<i>Acacia saligna</i> **	Orange wattle, golden wattle
<i>Acer palmatum</i>	Japanese maple
<i>Agonis flexuosa</i> **	Willow myrtle
<i>Albizia julibrissin</i>	Persian silk tree
<i>Aleurites moluccanus</i>	Candlenut
<i>Annona reticulata</i>	Bullocks heart
<i>Banksia grandis</i> **	Bull banksia
<i>Banksia integrifolia</i> *	Coast banksia
<i>Banksia menziesii</i> **	Menzie's banksia
<i>Bougainvillea</i> sp.	Bougainvillea
<i>Brachychiton populneus</i> *	Kurrajong, bottle tree
<i>Calodendrum capense</i>	Cape-chestnut
<i>Camellia japonica</i>	Common camellia
<i>Camellia oleifera</i>	Tea-oil camellia
<i>Carya illinoensis</i>	Pecan
<i>Cassia fistula</i>	Golden shower tree
<i>Casuarina equisetifolia</i> *	Coastal sheoak
<i>Cedrela</i> sp.	Cedrela
<i>Cestrum nocturnum</i>	Queen of the night, night jessamine
<i>Citharexylum spinosum</i>	Spiny fiddlewood
<i>Citrus grandis</i> (syn. <i>Citrus maxima</i>)	Pomelo
<i>Citrus x limon</i>	Lemon
<i>Citrus x meyeri</i>	Meyer / Eureka lemon
<i>Cordyline stricta</i> *	Narrow-leaf palm-lily
<i>Dombeya acutangula</i>	Bois bete
<i>Dracaena</i> sp.	Dracaena
<i>Elaeocarpus</i> sp.	Elaeocarpus
<i>Erythrina crista-galli</i>	Cockspur coral tree
<i>Erythrina lysistemon</i>	Common coral tree
<i>Erythrina variegata</i>	Indian coral tree
<i>Eucalyptus camaldulensis</i> **	Red river gum
<i>Eucalyptus gomphocephala</i> **	Tuart
<i>Eucalyptus rudis</i> **	Flooded gum
<i>Euphorbia tirucalli</i>	African milkbush, naked lady, firesticks
<i>Fatsia japonica</i>	Japanese aralia
<i>Ficus benghalensis</i>	Indian banyan
<i>Ficus racemosa</i> *	Cluster fig

Scientific name	Common name
<i>Fraxinus angustifolia</i> subsp. <i>oxycarpa</i>	Claret ash
<i>Fraxinus griffithii</i>	Himalayan ash tree, evergreen ash
<i>Fraxinus</i> sp.	Ash tree
<i>Grevillea banksii</i> *	Red silky oak
<i>Grevillea rosmarinifolia</i> *	Rosemary grevillea
<i>Grewia occidentalis</i>	Crossberry
<i>Hakea multilineata</i> **	Grass-leaf hakea
<i>Hakea prostrata</i>	Harsh Hakea
<i>Hibiscus martianus</i>	Heartleaf rose-mallow
<i>Howea forsteriana</i> *	Kentia palm
<i>Inga edulis</i>	Ice-cream-bean
<i>Jacaranda mimosifolia</i>	Jacaranda
<i>Kigelia africana</i>	Sausage tree
<i>Lagunaria patersonia</i> *	Norfolk Island hibiscus
<i>Lambertia orbifolia</i> **	Roundleaf honeysuckle
<i>Lantana camara</i>	Lantana
<i>Ligustrum ovalifolium</i>	Privet
<i>Ligustrum sinense</i>	Chinese privet
<i>Ligustrum vulgare</i>	Common privet
<i>Magnolia figo</i>	Banana shrub
<i>Malus</i> sp. 1 'Crab apple'	Crab apple
<i>Morus rubra</i>	Red mulberry
<i>Olea europaea</i>	European olive
<i>Oncoba spinosa</i>	Snuff-box tree
<i>Pararchidendron pruinosum</i> *	Snow wood
<i>Paulownia tomentosa</i>	Empress tree
<i>Platanus orientalis</i>	Oriental plane
<i>Plumeria rubra</i>	Common frangipani
<i>Prunus armeniaca</i>	Apricot
<i>Rosa</i> sp. 'Restless'	<i>Rosa</i> sp. 'Restless'
<i>Salix alba</i>	White willow
<i>Schotia brachypetala</i>	Drunken parrot tree
<i>Stenocarpus sinuatus</i> *	Firewheel tree
<i>Strelitzia nicolai</i>	Bird of paradise tree, wild banana
<i>Styphnolobium japonicum</i>	Weeping sappora / sappora
<i>Syzygium cumini</i>	Java plum
<i>Tecoma capensis</i>	Cape honeysuckle
<i>Tecoma stans</i>	Yellow trumpet tree
<i>Templetonia retusa</i> **	Cockie's tongue
<i>Tetrapanax papyrifer</i>	Chinese rice-paper plant
<i>Tipuana tipu</i>	Tipa

Scientific name	Common name
<i>Toona ciliata</i>	Australian red cedar, toon tree
<i>Ulmus pumila</i>	Siberian elm

* Australian native, ** Western Australian native

Updates register

New hosts / host reproductive statuses in Western Australia:

Scientific name	Host Status	
	Version 17.0, 31 January 2024	Version 18.0, 29 February 2024
<i>Buxus sempervirens</i>	-	Reproductive
<i>Carya illinoensis</i>	-	Non-reproductive
<i>Dracaena reflexa</i> var. <i>angustifolia</i>	-	Reproductive
<i>Harpephyllum caffrum</i>	Non-reproductive	Reproductive
<i>Olea europaea</i>	-	Non-reproductive
<i>Platanus orientalis</i>	-	Non-reproductive
<i>Prunus armeniaca</i>	-	Non-reproductive

Host name updates in Western Australia:

Scientific name	Host Status	
	Version 17.0, 31 January 2024	Version 18.0, 29 February 2024
<i>Spyridium globulosum</i> **	<i>Spyridium globosum</i> **	<i>Spyridium globulosum</i> **

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