

# Polyphagous Shot Hole Borer host list

Species are only added to this list if the identity of the beetle and/or the fungus was confirmed by DNA sequencing

## REPRODUCTIVE HOSTS

Hosts in which both the beetles and the fungus establish, and where the beetle successfully reproduces. In many cases the reproductive hosts will eventually be killed by the fungus.

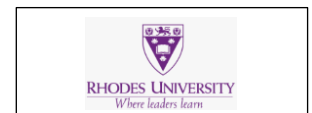
Alien Species (and Listed Invasive Species)			Indigenous Species	
Scientific name	Common name	Category	Scientific name	Common name
<i>Acacia longifolia</i>	long-leaved wattle	1b	<i>Acalypha glabrata</i>	Sand buchu
<i>Acacia mearnsii</i>	black wattle	2	<i>Azelia quanzensis</i>	pod mahogany
<i>Acacia melanoxylon</i>	blackwood	2	<i>Anisodonteia scabrosa</i>	rough-leaf African mallow
<i>Acer buergerianum</i>	trident (Chinese) maple	3/-	<i>Bauhinia galpinii</i>	pride of de Kaap
<i>Acer negundo</i>	boxelder	3	<i>Brachylaena discolor</i>	coast silver oak
<i>Acer palmatum</i>	Japanese maple	-	<i>Calpurnia aurea</i>	wild laburnum
<i>Acer pseudoplatanus</i>	Sycamore maple	-	<i>Combretum erythrophyllum</i>	river bushwillow
<i>Acer saccharinum</i>	silver maple	-	<i>Combretum krausii</i>	forest bushwillow
<i>Bauhinia variegata</i>	Orchid tree	1b/3	<i>Diospyros glabra</i>	Cape star-apple
<i>Brachychiton discolor</i>	pink flame tree	-	<i>Diospyros whyteana</i>	bladdernut
<i>Carya illinoensis</i>	pecan nut	-	<i>Erythrina caffra</i>	coast coral tree
<i>Casuarina cunninghamiana</i>	beefwood	1b/2	<i>Erythrina lysistemon</i>	common coral tree
<i>Koelreuteria paniculata</i>	Golden raintree	-	<i>Ficus trichopoda</i>	Swamp fig
<i>Gleditsia triacanthos</i>	honey locust	1b	<i>Indigofera jucunda</i>	River indigo
<i>Liquidambar styraciflua</i>	liquid amber (American sweetgum)	-	<i>Kiggelaria africana</i>	wild peach
<i>Magnolia grandiflora</i>	southern magnolia	-	<i>Loxostylis alata</i>	Wild pepper tree
<i>Malus domestica</i>	Apple	-	<i>Maesa lanceolata</i>	False assegai
<i>Pearsea americana</i>	avocado	-	<i>Podalyria calytrata</i>	water blossom pea
<i>Photinia x fraseri</i>	Christmas berry	-	<i>Psoralea aphylla</i>	leafless fountain bush
<i>Platanus x acerifolia</i>	London plane	-	<i>Psoralea pinata</i>	fountain bush
<i>Populus alba</i>	white poplar	2	<i>Salix mucronate</i>	Cape willow
<i>Populus x canescens</i>	grey poplar	2	<i>Sparmannia africana</i>	African hemp
<i>Populus nigra</i>	Lombardy poplar	-	<i>Sterculia murex</i>	Lowveld chestnut
<i>Populus simonii</i>	Chinese cottonwood	-	<i>Trema orientalis</i>	pigeon wood
<i>Prunus nigra</i>	black plum	-	<i>Trichilia emetica</i>	Natal mahogany
<i>Pyrus communis</i>	Pear	-	<i>Vepris lanceolata</i>	white ironwood
<i>Quercus palustris</i>	pin oak	-	<i>Virgilia oroboides</i> subsp. <i>ferruginea</i>	Keurboom
<i>Quercus robur</i>	English oak	-		
<i>Quercus suber</i>	cork oak	-		
<i>Ricinus communis</i>	castor bean	2		
<i>Robinia pseudoacacia</i>	Black locust	1b		
<i>Salix alba</i>	white willow	-		
<i>Ulmus parvifolia</i>	Chinese elm	-		
<i>Viburnum odoratissimum</i>	sweet viburnum	-		
<i>Wisteria sinensis</i>	Chinese wisteria	-		

The category refers to the listed invasive species in the NEM:BA Alien and Invasive Species Regulation. Some species have different listings in different circumstances or Provinces.

27 Indigenous reproductive hosts  
35 Alien reproductive hosts  
12 Invasive reproductive hosts  
62 **Reproductive hosts**

40 Indigenous non-reproductive hosts  
42 Alien non-reproductive hosts  
11 Invasive non-reproductive hosts  
82 **Non-reproductive hosts**

144 **Reproductive and Non-reproductive hosts**



Note that there is no proven or registered chemical control for the polyphagous shot hole borer.

Several other plant species are being monitored for their status as Reproductive or Non-reproductive hosts. This list was updated by FABI on 8 August 2022.

The polyphagous shot-hole borer (*Euwallacea fornicatus*) and its fungal symbiont (*Fusarium euwallaceae*) will be listed as a Category 1b invasive species.

For updated information: [www.fabinet.up.ac.za/pshb](http://www.fabinet.up.ac.za/pshb) - For enquiries contact: [pshb@fabi.up.ac.za](mailto:pshb@fabi.up.ac.za).

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## NON-REPRODUCTIVE HOSTS

Hosts that are attacked but the beetles do not establish breeding galleries. The fungus may, or may not cause disease. Non-reproductive hosts are generally not expected to die.

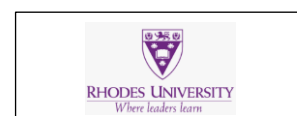
Alien Species (and Listed Invasive Species)			Indigenous Species	
Scientific name	Common name	Category	Scientific name	Common name
<i>Acacia saligna</i>	Port Jackson Willow	1b	<i>Adansonia digitata</i>	baobab
<i>Bauhinia purpurea</i>	butterfly orchid tree	1b/3	<i>Afrocarpus falcatus</i>	Outeniqua yellowwood
<i>Betula pendula</i>	silver birch	-	<i>Albizia adianthifolia</i>	flat crown
<i>Bougainvillea</i> sp.	bougainvillea	-	<i>Buddleja saligna</i>	false olive
<i>Camellia japonica</i>	common camellia	-	<i>Calodendrum capense</i>	Cape chestnut
<i>Cananga odorata</i>	Ylang ylang	-	<i>Celtis africana</i>	white stinkwood
<i>Ceiba pentandra</i>	kapok	-	<i>Commiphora harveyi</i>	copper stem corkwood
<i>Ceiba speciosa</i>	Silk floss tree	-	<i>Cordia caffra</i>	septee tree
<i>Cinnamomum camphora</i>	camphor	1b/3	<i>Cussonia spicata</i>	cabbage tree/kiepersol
<i>Citrus limon</i>	lemon	-	<i>Diospyros dichrophylla</i>	star apple
<i>Citrus sinensis</i>	orange	-	<i>Diospyros lycoides</i>	monkey plum
<i>Cordia myxa</i>	Assyrian plum	-	<i>Dombeya rotundifolia</i>	wild pear
<i>Diospyros kaki</i>	persimmon	-	<i>Dovyalis caffra</i>	kei apple
<i>Eriobotrya japonica</i>	loquat	1b/-	<i>Ekebergia capensis</i>	Cape ash
<i>Erythrina livingstoniana</i>	aloe coral tree	-	<i>Ficus natalensis</i>	Natal fig
<i>Eucalyptus camaldulensis</i>	river red gum	1b/2	<i>Ficus sur</i>	Cape fig
<i>Ficus carica</i>	common fig	-	<i>Grewia occidentalis</i>	cross berry
<i>Fraxinus americana</i>	American ash	3/-	<i>Gymnosporia buxifolia</i>	spike thorn
<i>Fraxinus excelsior</i>	European ash	-	<i>Halleria lucida</i>	tree fuschia
<i>Hakea salicifolia</i>	willow-leaved hakea	1b/-	<i>Harpephyllum caffrum</i>	wild plum
<i>Hibiscus rosa-sinensis</i>	hibiscus	-	<i>Ilex mitis</i>	Cape holly
<i>Jacaranda mimosifolia</i>	jacaranda	1b/-	<i>Leonotis leonurus</i>	wild tobacco
<i>Macadamia</i> sp.	macadamia nut	-	<i>Melianthus major</i>	honey flower/kruidjie-roer-my-nie
<i>Melia azedarach</i>	syringa	1b/3	<i>Nuxia floribunda</i>	forest elder
<i>Metasequoia glyptostroboides</i>	dawn redwood	-	<i>Olea europaea</i> subsp. <i>africana</i>	wild olive
<i>Monoon longifolium</i>	False ashoka	-	<i>Olinia ventosa</i>	hard pear
<i>Morus nigra</i>	black mulberry	-	<i>Osteospermum moniliferum</i>	bietou
<i>Olea europaea</i> subsp. <i>europaea</i>	cultivated olive	-	<i>Podocarpus henkelii</i>	Henkel's yellowwood
<i>Platanus occidentalis</i>	American plane	-	<i>Protea mundii</i>	forest sugar bush
<i>Platanus racemosa</i>	Californian plane	-	<i>Prunus africana</i>	red stinkwood
<i>Plumeria rubra</i>	frangipani	-	<i>Rapanea melanophloeos</i>	Cape beech
<i>Prunus avium</i>	sweet cherry	-	<i>Schotia brachypetala</i>	weeping boerbean/huilboerboon
<i>Prunus cerasifera</i>	cherry plum	-	<i>Searsia chirindensis</i>	Red currant
<i>Prunus persica</i>	peach	-	<i>Searsia lansea</i>	karree
<i>Psidium guajava</i>	guava	2/3	<i>Senegalia (Acacia) burkei</i>	black monkey-thorn
<i>Quercus rugosa</i>	net leaf oak	-	<i>Senegalia (Acacia) galpinii</i>	monkey-thorn
<i>Salix babylonica</i>	weeping willow	-	<i>Syzygium cordatum</i>	waterberry
<i>Schinus molle</i>	pepper tree	-	<i>Vachellia (Acacia) karroo</i>	sweet thorn
<i>Solanum mauritanium</i>	bugweed	1b	<i>Vachellia (Acacia) sieberiana</i> var. <i>woodii</i>	paper bark thorn
<i>Taxodium distichum</i>	swamp cypress	-	<i>Virgilia divaricata</i>	keurboom
<i>Ulmus minor</i> = <i>procera</i>	English elm	-		
<i>Vitis vinifera</i>	grape vine	-		

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