

4. Known hosts of myrtle rust in Australia - February 2012

The species listed below have had observable myrtle rust field infections (natural infection), at some point since December 2010 in Queensland. Experienced DEEDI officers have applied the national myrtle rust susceptibility ranking to each record and given the “Ranking” as noted in Table 4.1.

Many of the species listed below have also been recorded as susceptible in New South Wales since April 2010. It can be assumed that susceptible species in Queensland or New South Wales will in all likelihood be susceptible to myrtle rust in every other like environment across Australia. NGIA recommends the industry combine tables 4.1 and 4.2 for a complete (as at February 2012) known myrtle rust susceptibility list.

4.1 Queensland host list and susceptibility rating table – February 2012.

(ES=Extremely Susceptible, HS=Highly Susceptible, MS=Moderately Susceptible, RT=Relatively Tolerant)

DEEDI susceptibility ratings are based on current observational assessments and may change over time.

Rating	Botanical name (Species)	Common name
RT	<i>Acmena hemilampra</i> (syn. <i>Syzygium hemilamprum</i>)	Blush satinash
RT	<i>Acmena ingens</i>	Red apple
MS	<i>Acmenosperma claviflorum</i>	Grey satinash
ES	<i>Agonis flexuosa</i>	Willow myrtle
HS	<i>Anetholea anisata</i> (syn. <i>Backhousia anisata</i> , <i>Syzygium anisatum</i>)	Aniseed myrtle
RT	<i>Asteromyrtus brassii</i>	Brass's Asteromyrtus
HS	<i>Austromyrtus dulcis</i>	Midgen berry or midyim
RT	<i>Austromyrtus tenuifolia</i>	Narrow leaf myrtle
RT	<i>Backhousia angustifolia</i>	Curry myrtle or narrow-leaved myrtle
HS	<i>Backhousia citriodora</i>	Lemon-scented myrtle
MS	<i>Backhousia myrtifolia</i>	Grey myrtle, ironwood
RT	<i>Backhousia oligantha</i> (endangered)	No common name
RT	<i>Backhousia sciadophora</i>	Shatterwood
RT	<i>Backhousia</i> sp. 'Prince Regent'	No common name
ES	<i>Chamelaucium uncinatum</i>	Geraldton wax
HS	<i>Choricarpia leptopetala</i>	Brown myrtle, rusty turpentine
RT	<i>Choricarpia subargentea</i> (near threatened)	Giant ironwood
RT	<i>Corymbia henryi</i>	Large leaved spotted gum
RT	<i>Corymbia torelliana</i>	Cadagi
RT	<i>Corymbia citriodora</i> subsp. <i>variegata</i>	Spotted gum
ES	<i>Decaspermum humile</i>	Silky myrtle
RT	<i>Eucalyptus</i> sp.	Red gum
MS	<i>Eucalyptus carnea</i>	Broad-leaved white mahogany
RT	<i>Eucalyptus cloeziana</i>	Gympie messmate
MS	<i>Eucalyptus curtisii</i>	Plunkett mallee
MS	<i>Eucalyptus grandis</i>	Flooded gum, rose gum
RT	<i>Eucalyptus planchoniana</i>	Bastard tallow wood
RT	<i>Eucalyptus tereticornis</i>	Blue gum, forest red gum
MS	<i>Eucalyptus tindaliae</i>	Tindale's Stringybark

ES	<i>Eugenia reinwardtiana</i>	Beach cherry
MS	<i>Eugenia zeyheri</i>	No common name
HS	<i>Gossia acmenoides</i>	Scrub ironwood
RT	<i>Gossia bidwillii</i> (syn. <i>Austromyrtus bidwillii</i>)	Scrub python tree
RT	<i>Gossia floribunda</i>	Cape ironwood
MS	<i>Gossia fragrantissima</i> (endangered)	Sweet myrtle
HS	<i>Gossia gonoclada</i> (endangered)	Angle-stemmed myrtle
HS	<i>Gossia hillii</i>	Scaly myrtle
ES	<i>Gossia inophloia</i> (syn. <i>Austromyrtus inophloia</i>) (near threatened)	Thready barked myrtle
MS	<i>Gossia macilwraithensis</i> (near threatened)	No common name
RT	<i>Gossia myrsinocarpa</i>	Malanada ironwood, small flowered lignum
MS	<i>Gossia punctata</i>	Dotted myrtle
RT	<i>Lenwebbia lasioclada</i>	Velvet myrtle
HS	<i>Lenwebbia prominens</i> (near threatened)	Southern velvet myrtle
RT	<i>Lenwebbia</i> sp. 'Blackall Range' (endangered)	Blackall Range myrtle
MS	<i>Leptospermum liversidgei</i>	Lemon-scented tea tree, olive tea tree
RT	<i>Leptospermum luehmannii</i>	Bronze-barked tea tree
RT	<i>Leptospermum petersonii</i>	Lemon-scented tea tree
RT	<i>Leptospermum semibaccatum</i>	No common name
RT	<i>Lindsayomyrtus racemoides</i>	Daintree Penda
RT	<i>Lophostemon suaveolens</i>	Swamp box, swamp mahogany
HS	<i>Melaleuca fluviatilis</i>	Weeping tea tree
RT	<i>Melaleuca formosa</i> (syn. <i>Callistemon formosus</i>)	Kingaroy Bottlebrush, cliff bottlebrush
HS	<i>Melaleuca leucadendra</i>	Broad-leaved paperbark
RT	<i>Melaleuca linariifolia</i>	Snow in summer
RT	<i>Melaleuca nesophila</i>	Showy honey myrtle
HS	<i>Melaleuca nodosa</i>	Prickly-leaved paperbark
RT	<i>Melaleuca pachyphylla</i>	Wallum bottlebrush
HS	<i>Melaleuca polandii</i>	No common name
ES	<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark
MS	<i>Melaleuca saligna</i>	Willow bottlebrush, white bottlebrush
HS	<i>Melaleuca viridiflora</i>	Broad-leaved paperbark
MS	<i>Melaleuca viminalis</i> (syn. <i>Callistemon viminalis</i>)	Willow bottlebrush
RT	<i>Metrosideros collina</i>	Fiji Christmas bush
RT	<i>Metrosideros collina x villosa</i>	Fiji Christmas bush
RT	<i>Metrosideros kermadecensis</i>	Kermadec pohutukawa
RT	<i>Metrosideros thomasi</i>	New Zealand Christmas bush
RT	<i>Myrciaria cauliflora</i>	No common name
RT	<i>Myrtus communis</i>	Common myrtle
RT	<i>Pilidiostigma glabrum</i>	Plum myrtle
RT	<i>Rhodamnia acuminata</i>	Cooloola ironwood
ES	<i>Rhodamnia angustifolia</i> (endangered)	Narrow-leaved malletwood
MS	<i>Rhodamnia arenaria</i>	Cape York malletwood
MS	<i>Rhodamnia argentea</i>	Silver myrtle or malletwood
HS	<i>Rhodamnia costata</i>	Malletwood
HS	<i>Rhodamnia dumicola</i>	Rib-fruited malletwood
MS	<i>Rhodamnia glabrescens</i> (near threatened)	Smooth malletwood
ES	<i>Rhodamnia maideniana</i>	Smooth scrub turpentine

MS	<i>Rhodamnia pauciovulata</i> (near threatened)	Small-leaved malletwood
ES	<i>Rhodamnia rubescens</i>	Scrub turpentine
HS	<i>Rhodamnia sessiliflora</i>	Iron malletwood
MS	<i>Rhodamnia spongiosa</i> (syn. <i>R. glauca</i>)	Northern malletwood
MS	<i>Rhodomyrtus canescens</i>	Crater ironwood
MS	<i>Rhodomyrtus pervagata</i>	Rusty rhodomyrtus, rusty ironwood
HS	<i>Rhodomyrtus psidioides</i>	Native guava
MS	<i>Rhodomyrtus sericea</i>	Grey rhodomyrtus
HS	<i>Rhodomyrtus tomentosa</i>	Downy rose myrtle, Ceylon hill gooseberry
MS	<i>Rhodomyrtus trineura</i> subsp. <i>capensis</i>	No common name
RT	<i>Ristantia waterhousei</i> (vulnerable)	No common name
MS	<i>Sphaerantia discolor</i>	Tully Penda
MS	<i>Syzygium angophoroides</i>	Yarrabah satinash
RT	<i>Syzygium argyropedicum</i>	Silver satinash
RT	<i>Syzygium armstrongii</i>	White bush apple
RT	<i>Syzygium australe</i>	Scrub cherry
RT	<i>Syzygium canicortex</i>	Yellow satinash
RT	<i>Syzygium corynanthum</i>	Sour cherry
MS	<i>Syzygium cumini</i>	Java Plum
MS	<i>Syzygium eucalyptoides</i> subsp. <i>eucalyptoides</i>	White apple
RT	<i>Syzygium forte</i> subsp. <i>forte</i>	Watergum, brown satinash
RT	<i>Syzygium forte</i> subsp. <i>potamophilum</i>	Flaky barked satinash, white apple
ES	<i>Syzygium jambos</i>	Rose apple
RT	<i>Syzygium luehmannii</i>	Small-leaved lillypilly, riberry
RT	<i>Syzygium moorei</i>	Rose apple
RT	<i>Syzygium nervosum</i>	No comon name
HS	<i>Syzygium oleosum</i>	Blue lillypilly
RT	<i>Syzygium paniculatum</i>	Magenta cherry
RT	<i>Syzygium rubrimolle</i>	Laura apple
RT	<i>Syzygium tierneyanum</i>	River Cherry, Bamaga satinash
RT	<i>Syzygium wilsonii</i>	Powder puff lilly pilly
RT	<i>Syzygium wilsonii</i> x <i>luehmanii</i>	Cascade lilly pilly
MS	<i>Syzygium xerampelinum</i>	Mulgrave satinash
HS	<i>Tristania neriifolia</i>	Water gum
RT	<i>Tristaniopsis laurina</i>	Water gum, kanooka
RT	<i>Uromyrtus tenella</i>	No common name
RT	<i>Waterhousea floribunda</i> (syn. <i>Syzygium floribundum</i>)	Weeping lillypilly
RT	<i>Waterhousea hedraiophylla</i> (syn. <i>Syzygium hedraiophyllum</i>)	Gully satinash
RT	<i>Waterhousea mulgraveana</i>	No common name
MS	<i>Waterhousea Unipunctata</i>	Rolypoly satinash
RT	<i>Xanthostemon chrysanthus</i>	Golden penda
HS	<i>Xanthostemon oppositifolius</i> (vulnerable)	Southern penda
MS	<i>Xanthostemon youngii</i>	Crimson penda

(Source: DEEDI February 2012)

4.2 New South Wales additional myrtle rust host list not recorded in Queensland to date (February 2012):

Many of the species above have been recorded as susceptible in New South Wales. The list below records those species identified as susceptible in NSW and to date not observed infected in Qld.

Note: At the writing of this Management Plan there is no myrtle rust susceptibility ranking available for NSW listed species.

Botanical name	Botanical name	Botanical name
<i>Angophora floribunda</i>	<i>Melaleuca decora</i>	<i>Syzygium glenum</i>
<i>Angophora subvelutina</i>	<i>Melaleuca linariifolia</i>	<i>Syzygium graveolens</i>
<i>Backhousia enata</i>	<i>Melaleuca sieberi</i>	<i>Syzygium hodgkinsoniae</i>
<i>Backhousia hughesii</i>	<i>Melaleuca styphelioides</i>	<i>Syzygium maraca</i>
<i>Barongia lophandra</i>	<i>Melaleuca viridiflora</i> (purple flowered form)	<i>Syzygium megacarpum</i>
<i>Callistemon rigidus</i>	<i>Metrosideros excelsa</i>	<i>Syzygium minutuliflorum</i>
<i>Callistemon salignus</i> (not = <i>Melaleuca saligna</i>)	<i>Mitrantia bilocularis</i>	<i>Syzygium polyanthum</i>
<i>Eucalyptus agglomerata</i>	<i>Pilidiostigma rhytispermum</i>	<i>Syzygium pseudofastigiatum</i>
<i>Eucalyptus deanei</i>	<i>Pilidiostigma tropicum</i>	<i>Syzygium resa</i> (Syn. <i>Acmena resa</i>)
<i>Eucalyptus elata</i>	<i>Rhodomyrtus macrocarpa</i>	<i>Syzygium sayeri</i>
<i>Eucalyptus olida</i>	<i>Stockwellia quadrifida</i>	<i>Syzygium smithii</i> (Syn. <i>Acmena smithii</i>)
<i>Eucalyptus pilularis</i>	<i>Syncarpia glomulifera</i>	<i>Syzygium trachyphloium</i>
<i>Eucalyptus siderophloia</i>	<i>Syzygium alliligneum</i>	<i>Syzygium velarum</i>
<i>Leptospermum rotundifolium</i>	<i>Syzygium bamagense</i>	<i>Tristaniopsis collina</i>
<i>Lithomyrtus obtusa</i>	<i>Syzygium boonjee</i>	<i>Ugni molinae</i>
<i>Lophomyrtus bullata</i>	<i>Syzygium buettnerianum</i>	<i>Uromyrtus australis</i>
<i>Lophomyrtus x ralphii</i>	<i>Syzygium bungadinnia</i>	<i>Uromyrtus lamingtonensis</i>
<i>Melaleuca alternifolia</i>	<i>Syzygium cormiflorum</i>	<i>Xanthostemon chrysanthus</i>
<i>Melaleuca argentea</i>	<i>Syzygium dansiei</i>	<i>Xanthostemon formosus</i>
<i>Melaleuca armillaris</i>	<i>Syzygium erythrocalyx</i>	<i>Xanthostemon graniticus</i>

(Source: I&I NSW February 2012)

4.3 Victorian myrtle rust host list (February 2012)

Species identified in **yellow** have not been recorded as susceptible in NSW or Qld to date.

Botanical name	Common name
<i>Acmena smithii</i> (Syn. <i>Syzygium smithii</i>)	Lilly pilly
<i>Agonis flexuosa</i>	Willow myrtle
<i>Backhousia citriodora</i>	Lemon-scented myrtle
<i>Lophomyrtus x ralphii</i>	Black Stallion
<i>Metrosideros carminea</i> - (new species)	Red rata
<i>Metrosideros collina</i>	Fiji Christmas bush
<i>Metrosideros excelsa</i>	New Zealand Christmas bush
<i>Myrtus communis</i>	Common myrtle
<i>Syzygium australe</i>	Lilly pilly/scrub cherry
<i>Syzygium paniculatum</i>	Dwarf magenta cherry