



February 2019

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## Where myrtle rust has been found

936 infected properties have been reported since May 2017.

### National detections of myrtle rust to date:

**Northland** - There are 37 sites/properties in Northland with confirmed infection. Most of these are in Kerikeri.

**Taranaki** - There are 284 sites/properties in Taranaki with confirmed infection. Most of these are in New Plymouth and Waitara.

**Waikato** - There are 110 sites/properties in the Waikato region with confirmed infection. Most of these are in Otorohanga and the Taupo district.

**Bay Of Plenty** - There are 194 sites/properties in the Bay of Plenty with confirmed infection. Most of these are in Te Puke and Bethlehem.

**Auckland** - There are 189 sites/properties in the Auckland region with confirmed infection. Most of these are in Remuera.

**Wellington** - There are 59 sites/properties in the Wellington region with confirmed infection. Most of these are in Lower Hutt and Upper Hutt

**Manawatu-Whanganui** - There are 26 sites/properties in the Manawatu region with confirmed infection. Most of these are in Fielding.

**Tasman** - There are 21 sites/properties in the Tasman region with confirmed infection. Most of these are in Collingwood, Patons Rock and Pohara.

**Gisborne** - There are 3 sites/properties in the Gisborne district with confirmed infection. These sites are all at the Northern tip of the East Cape.

**Marlborough** - There are 8 sites/properties in the Marlborough district with confirmed infection.

**Nelson** - There are 5 sites/properties in Nelson with confirmed infection.

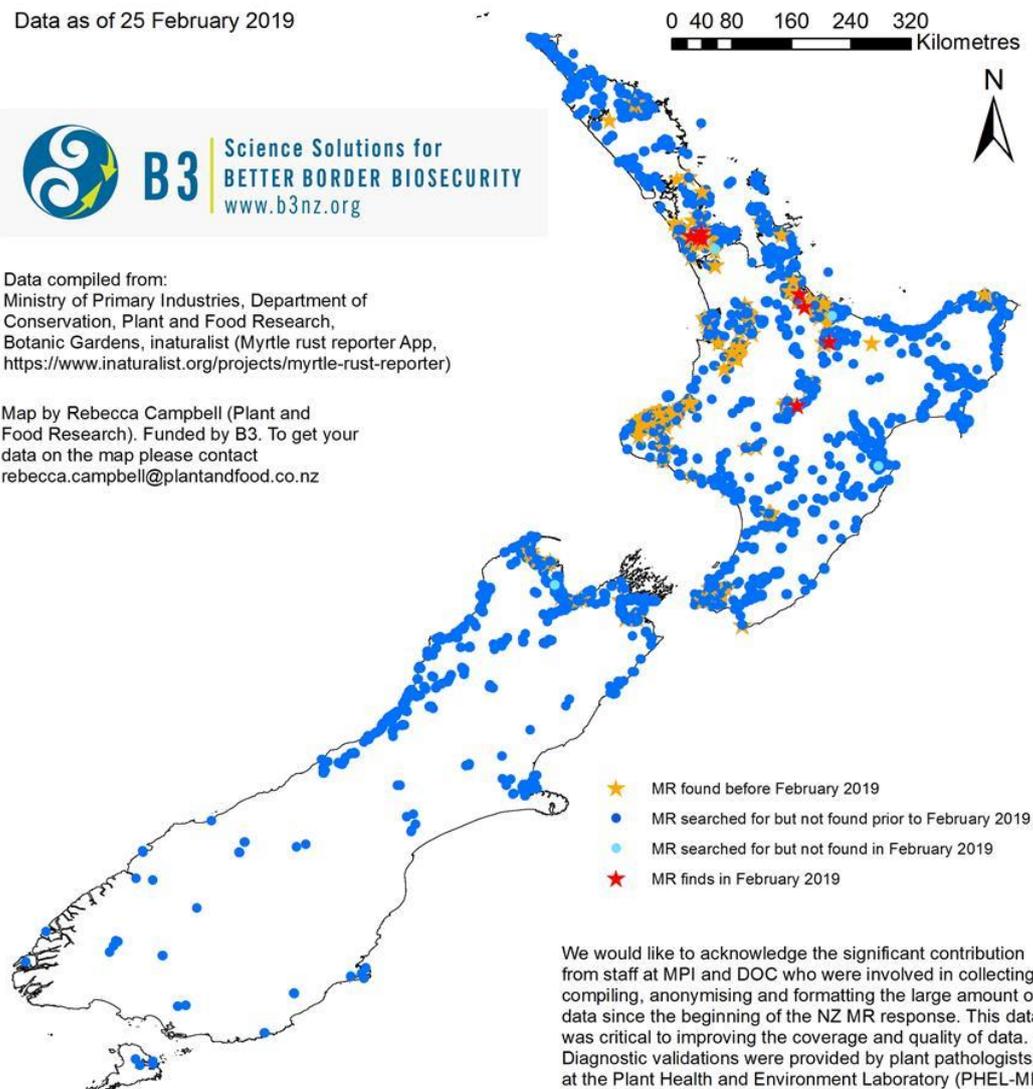
## NZ national Myrtle Rust (MR) surveillance

Data as of 25 February 2019



Data compiled from:  
Ministry of Primary Industries, Department of  
Conservation, Plant and Food Research,  
Botanic Gardens, inaturalist (Myrtle rust reporter App,  
<https://www.inaturalist.org/projects/myrtle-rust-reporter>)

Map by Rebecca Campbell (Plant and  
Food Research). Funded by B3. To get your  
data on the map please contact  
[rebecca.campbell@plantandfood.co.nz](mailto:rebecca.campbell@plantandfood.co.nz)



# MYRTLE RUST

## Community Education

### Take our online training programme to help identify myrtle rust

Biosecurity New Zealand, in collaboration with the Department of Conservation, has developed online training courses about myrtle rust. The courses are available to everyone but are particularly suited to those running community education events.

The online course covers:

- Background on myrtle rust in New Zealand
- Examples of myrtle rust and the myrtle family
- What to do if you find myrtle rust and how to dispose of infected plant material
- Myrtle rust research programme
- Myrtle rust seasonal variations
- Spread of myrtle rust
- Identifying the scale of impact of myrtle rust

The two modules take around 35 minutes each to complete.

[Register to get access to the course](#)

[Check out a selection of the training videos available on YouTube](#)

### Seed collection update

The latest season of Myrtaceae seed collection has kicked off this year. DOC's operations teams have been busy out in the field scoping possible sites to collect seed when it becomes ripe. Around 175 collections are planned this season to ensure robust quantities of all 36 native bankable myrtles species are safe in the seed bank.

A seed collection training course recently took place for over 20 DOC rangers from across the country to build capability for our seed collection programme. The three day course took place in

Rotorua and included sessions run by both internal and external partners, including the New Zealand Indigenous Flora Seed Bank, SCION and DOC staff from both Operations and Biodiversity directorates.

The participants learned all of the theoretical and practical elements of seed collection, biosecurity measures including myrtle rust surveillance, native myrtle plant identification and why and how to gain iwi/hapu permission when undertaking seed collection. This now takes the total of trained seed collectors at DOC to 82.

[More information on DOC's seed collection work.](#)

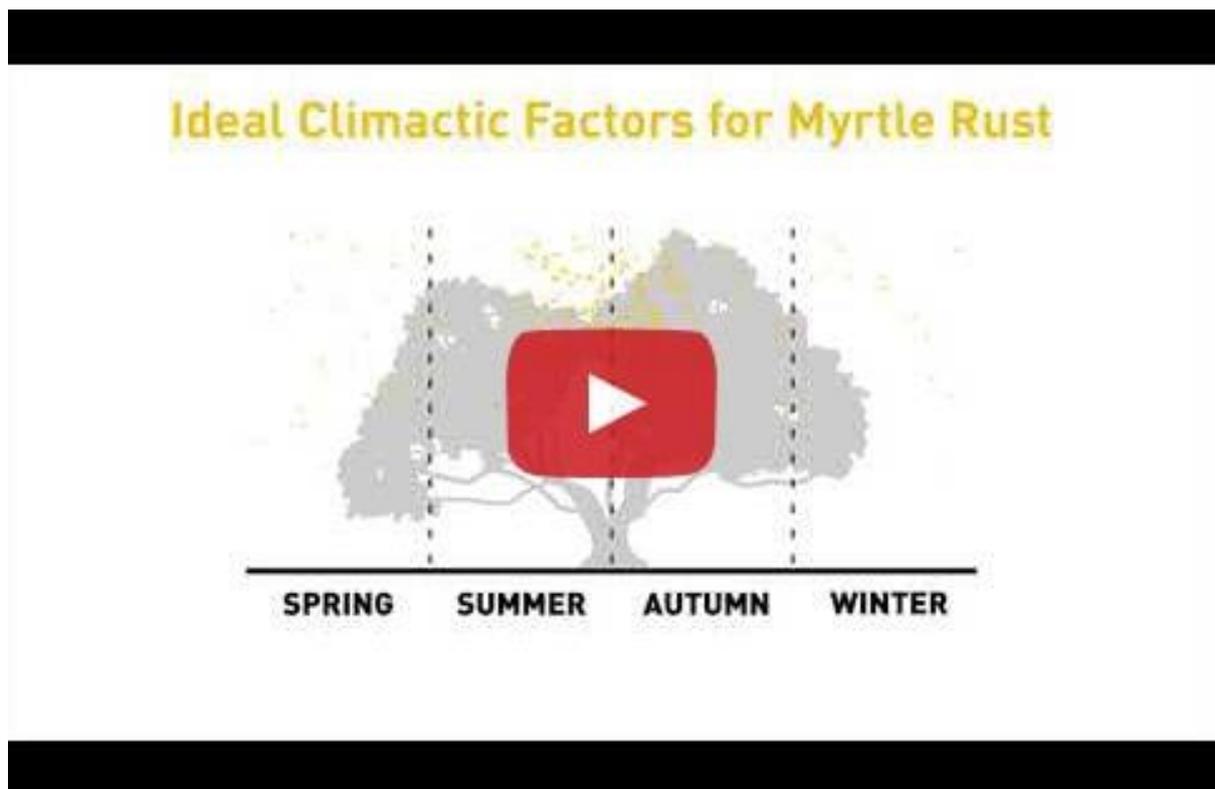


## Seasonal variations of myrtle rust: preparing for Autumn

The rate of spread, geographic range and impact of myrtle rust is subject to seasonal variation due to a variety of factors including humidity, temperature, level of spores, availability of hosts and micro-climates.

Warm and humid weather is the most favourable for myrtle rust. Therefore, late summer and autumn are likely to be the worst time for infection and spore risk.

Karin van der Walt, Conservation and Science Advisor at Otari Native Botanic Garden in Wellington, discusses how the rate of spread, geographic range and impact of myrtle rust is subject to seasonal variation in New Zealand below.



The Department of Conservation is extremely interested in any suspected myrtle rust on Public Conservation Land. So if you are spending time in our national parks and reserves over the summer please keep a special eye out for myrtle rust.

Be sure to look out for the following this Autumn:



*Ramarama with older grey-white pustules on stem and leaves*



*Ramarama with grey-white pustules more common in the cooler months*

If you think you see symptoms, do not touch or collect samples, but take pictures and report it to Biosecurity New Zealand's Exotic Pest and Disease Hotline on: 0800 80 99 66.

All plants in the myrtaceae family are susceptible to myrtle rust. For a list of myrtle plants in New Zealand you can visit the [New Zealand Plant Conservation Network](#).

## We want your feedback

We want to make sure that you are getting what you need from this update.

Take our quick survey to tell us what you think and ways we might improve it for you.

[Take our two minute survey here](#)



## Give your plants the best chance against myrtle rust

There is no confirmed way to stop myrtles from contracting the disease, but there are some ways that you can give myrtle plants in your garden the best chance against it.

### Caring for your myrtle plants

It's the new spring flush that is most susceptible to infection. To avoid stimulating new growth in warm weather it's recommended that you avoid heavy pruning during warm weather if possible. Instead, prune myrtles only in late autumn and early winter. When pruning, use good hygiene practice: sterilise and disinfect tools and equipment with pure alcohol or methylated spirits to avoid transferring spores.

### Reduce soil compaction and injury to tree roots

Reduce or avoid applying any herbicides around trees, trunk or root plate areas. Read the product label, as care is needed with some grass care products which can contain selective herbicides that impact on garden plants and their growth patterns. Avoid lawn care or weed control products around the dripline of a tree. Tree roots do not like soil compaction and this can reduce tree health by stopping water absorbing into the soil, reducing oxygen in the soil as well as physically damaging the roots of trees which can allow the entry of diseases. Consider selecting low clumping or bulb type plant varieties if planting under established trees.

### Use Mulch

The use of wood chip mulch could help improve the soil around trees as it helps plant establishment and growth. It helps keep water in the soil, keeps soil cooler, and produces a better habitat for soil microorganisms. Wood mulch may be available for free from arboriculture companies. Keep mulch away from the stem or trunk, but you can pile it up to 20cm deep. Replenish mulch as it breaks down (faster in some seasons than others). Homemade compost is also a good top-dressing for around trees and plants.

### Apply Fertiliser

Only use fertiliser on garden or plantation trees. Wild natural trees or stands of vegetation should not be fertilised. Natural products such as fish meal, blood and bone or sheep pellets will support soil microorganisms as well as the plants. Seaweed based fertilisers can also be used, and the use of

products with humic acid, and trace minerals can help with soil health and root development. Products with phosphorous and potassium can help with root and shoot development.

[Find more information for specific groups here](#)



## Help limit the spread of myrtle rust in your area

Here's a few handy tips that will help reduce the risk of spreading myrtle rust in your area.

### Arrive clean, leave clean

The forest you visit could be infected with myrtle rust without you knowing it. Before entering such areas for work or recreation, you should minimise the risk of spreading the rust by ensuring your equipment, clothing and tools arrives clean and leaves the area clean.

### Buy healthy plants

Make sure myrtle plants bought for your garden are free from the symptoms of myrtle rust. Inspect the leaves and stems of plants before you buy them, and avoid purchasing plants that have signs of disease.

### Monitor your plants

Regular monitoring of myrtle plants will alert you to signs of myrtle rust, particularly new, young growth, shoots and seedlings. Early detection in your garden will give you time to consider options for myrtle rust control on your property. If myrtle rust does establish on your property, note which plants become the most severely affected. Keep an eye out for myrtle rust in any parks and reserves you visit.



## Resources for landowners

If you own or manage land with plants that are infected with myrtle rust, you can either:

- care for the plants and monitor the impact of the disease
- remove or prune the infected plants and securely dispose of the waste

If you're transporting and disposing of infected plant material, you must comply with the general permission conditions issued by Biosecurity New Zealand.

If you choose to remove or prune infected plants, you may require specialist equipment and technical skills. We recommend you consider hiring an arborist or contractor to remove infected plants on your property, especially if you have large trees.

A step-by-step guide is also available to help you.

For more information on managing myrtle rust on your property go to [Biosecurity New Zealand's myrtle rust webpage](#).

[Managing myrtle rust on your property page here](#)

[Download How to remove infected myrtle plants](#)

## Find out more

About myrtle rust:

[Biosecurity New Zealand myrtle rust page](#)

[DOC myrtle rust page](#)

[Myrtle rust research programme webpage](#)

[Myrtle rust fact sheet](#)

[Read more about myrtle rust](#)

**Handy information:**

[Myrtle rust ID guide](#)

**Identification resources**

Some other handy resources include:

- [The New Zealand Plant Conservation Network](#)
- [Definition of the myrtle genus from Encyclopaedia Britannica](#)
- [Landcare Research Plant Identification and Interactive Keys](#)
- [iNaturalist](#) is a place where you can share what you see in nature, set up citizen science and community-based monitoring projects, meet other nature watchers, and learn about New Zealand's natural history

**Radio New Zealand's 'Our Changing World' podcast on myrtle rust research**

[Read the story or listen to the full podcast here](#)

**KO TĀTOU THIS IS US**

BIOSECURITY 2025



**Biosecurity New Zealand**  
Ministry for Primary Industries  
Manatū Ahu Matua



**Department of Conservation**  
*Te Papa Atawhai*

This information is compiled by the Ministry for Primary Industries (MPI) and the Department of Conservation (DOC).

For information about this update, contact [MyrtlerustNZ@mpi.govt.nz](mailto:MyrtlerustNZ@mpi.govt.nz)

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