

# BIOSECURITY ALERT

## Help prevent the spread of citrus canker

Citrus canker is a contagious bacterial disease which affects all citrus plants.

Citrus canker has been identified in the Northern Territory (NT) and Western Australia (WA) prompting a nationally coordinated response to eradicate the disease, with movement controls and quarantine measures in place to prevent further spread.

### How you can help

**Check your citrus plants (see overleaf for a list of plants which may be affected).**

All Territorians are asked to check their citrus plants for signs of citrus canker. Symptoms may include:

- Small tan spots on leaves, stems or fruit which grow into raised, corky brown-grey blisters.
- Spots may have a black, water soaked margin surrounded by a yellow halo (ring).



Images courtesy of Plant Health Australia, Jeffrey W.Lotz (Florida Department of Agriculture and Consumer Services, [bugwood.org](http://bugwood.org)) and New South Wales Department of Primary Industries

### Think you see signs of citrus canker?

**Do not collect samples, move or destroy the citrus plant as this can spread the disease.**

If you think you have come into contact with infected plant material when checking for signs of citrus canker:

- do not touch any other citrus plants
- wash clothing (including hats and gloves) in warm soapy water
- clean footwear by removing plant and soil material with a brush and wash in a dilute bleach solution (1 part household bleach with 4 parts water)
- rinse any gardening tools thoroughly in bleach

### Do you live or work in a restricted area?

Movement controls and quarantine measures are in place to prevent further spread. Citrus plants and plant materials cannot be moved within, in to or out of restricted areas.

Citrus canker will not affect people, animals or other non-citrus plants but if it's allowed to spread it will affect Australia's citrus industry and growers.

### Contact us via:

**Citrus canker hotline:** 1800 931 722

**Email:** [citruscanker@nt.gov.au](mailto:citruscanker@nt.gov.au)

**Web:** Visit [www.nt.gov.au/citruscanker](http://www.nt.gov.au/citruscanker) for more information on the response

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### PREVENT THE SPREAD OF CITRUS CANKER IN THE NORTHERN TERRITORY.

**Citrus canker can infect the following plant varieties:**

#### **Citrus common to Darwin area**

West Indian lime/ Mexican lime (*Citrus aurantiifolia*)  
Tahiti lime (*Citrus latifolia*)  
Kaffir lime (*Citrus hystrix*)  
Pomelo (*Citrus maxima*)  
Grapefruit (*Citrus paradisi*)  
Trifoliolate orange (*Poncirus trifoliata*)  
Kumquat (*Fortunella japonica*)  
Humpty Doo lime (*Citrus gracilis*)  
Mandarin and Tangerine (*Citrus reticulata*)  
Orange varieties (*Citrus sinensis*)  
Lemon (*Citrus limon*)

#### **Non-citrus common to Darwin area**

Lime berry (*Micromelum minutum*)  
White sapote (*Casimiroa sapota*)  
Langsat (*Lansium domesticum*)

#### **Other affected varieties**

African cherry orange (*Citropsis schweinfurthii*)  
Alemow (*Citrus macrophylla*)  
Australian round lime (*Citrus australis*)  
Alianthus-like prickly ash (*Zanthoxylum ailanthoides*)  
Calamondin (*Citrus madurensis*)  
Cictriangle/Cictrange (*Citrangex P. trifoliata*)  
Citrangquat (*Fortunella margarita x Citrange*)  
Citron (*Citrus medica*)  
Citrumelo (*Citrus reticulata x Poncirus trifoliata*)  
Cleopatra mandarin (*Citrus reshni*)

Desert lime (*Citrus glauca*)  
Evodia (*Melicope denhamii*)  
False foot of the turtle (*Melicope triphylla*)  
Finger lime (*Citrus australasica*)  
Hassaku orange (*Citrus hassaku*)  
Hong Kong kumquat (*Fortunella hindsii*)  
Kalpi (*Citrus webberi*)  
Khasi papeda (*Citrus latipes*)  
Langsat (*Lansium domesticum*)  
Lemon aspen (*Acronychia acidula*)  
Limequat (*Fortunella japonica X c. aurantiifolia*)  
Meiwa sweet kumquat (*Fortunella crassifolia*)  
Meyer lemon (*Citrus jambhiri*)  
Mountain citron (*Citrus aurantium*)  
Mount white lime (*Citrus garrawayi*)  
Native mock orange (*Murraya ovatifoliolata*)  
Natsudaidai (*Citrus aurantium*)  
North Queensland lime/Russel River lime (*Citrus inodora*)  
Orangequat (*Fortunella crassifolia x C. reticulata*)  
Oval kumquat (*Fortunella margarita*)  
Palestine sweet lime (*Citrus limon*)  
Rangpur (*Citrus limonia*)  
Rough lemon (*Citrus jambhiri*)  
Sour mandarin (*Citrus sunki*)  
Sour orange (*Citrus aurantium*)  
Sweet lemon tree (*Citrus limon*)  
Sweet orange / Navel orange (*Citrus sinensis*)  
Swingle citrumelo (*Citrus paradisi x Poncirus trifoliata*)

Tachibana (*Citrus tachibana*)  
Tangor/Tangelo (*Citrus reticulata*)  
Tankan mandarin (*Citrus reticulata*)  
Tooth-ache tree (*Zanthoxylum clavaherulis*)  
Tosu sour orange (*Citrus aurantium*)  
Unshu Mandarin/ Satsuma (*Citrus reticulata*)  
Wampee (*Clausena lansium*)  
Wild lime (*Zanthoxylum fagara*)  
Yuzu (*Citrus junos*)

#### **Scientific named plant varieties**

*Acronychia wilcoxiana*  
*Atalantia spp.* (except for *Atalantia ceylanica* and *Atalantia monophylla*)  
*Citrofortunella sp.*  
*Citropsis daweana*  
*Citrus amblycarpa*  
*Citrus benikoji*  
*Citrus depressa*  
*Citrus excelsa*  
*Citrus intermedia*  
*Citrus leiocarpa*  
*Citrus longispina*  
*Citrus lycopersiciformis*  
*Citrus maderaspatana*  
*Clausena harmandiana*  
*Feroniella crassifolia*  
*Lunasia amara*  
*Melicope latifolia*  
*Microcitronella spp.*  
*Paramignya longipedunculata*  
*Paramignya monophylla*  
*Swinglea glutinosa*  
*Toddalia asiatic*

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