

**MINISTRY FOR PRIMARY INDUSTRIES**

**Import Health Standard  
Cut Flowers and Branches  
*Cordyline* and *Dracaena* species  
from All Countries**

Issued as an import health standard pursuant to Section 24 of the Biosecurity Act 1993

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# Issuance

Pursuant to section 24 of the Biosecurity Act 1993, this document is hereby issued as an import health standard for cut flowers and foliage for decorative purposes.

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Ministry for Primary Industries  
(acting under delegated authority of the Director-General)

Date of issue:

## INTRODUCTION

### SCOPE

This import health standard describes the phytosanitary requirements to be met to enable biosecurity clearance to be given for cut foliage and branches of *Cordyline* and *Dracaena* imported into New Zealand from any country.

### REFERENCES

- *Glossary of phytosanitary terms*, 1999. ISPM Pub. No 5, FAO Rome
- *Requirements for the establishment of pest free areas*, 1996. ISPM Pub. No 4, FAO, Rome
- *Risk analysis for quarantine pests*, 2001. ISPM Pub. No. 2, FAO, Rome
- *New revised text of the international plant protection convention*, 1997. FAO, Rome
- *Biosecurity Authority policy statement on conducting import risk analyses and applying them in the development of import health standards (2001)*
- *Risk analysis of Cordyline and Dracaena cut flowers and branches for the development of a generic import health standard (2001)*

### DEFINITIONS, ABBREVIATIONS AND ACRONYMS

Certificate	An official document which attests to the phytosanitary status of any consignment affected by phytosanitary regulations.
Consignment	A quantity of plants, plant products and/or other articles being moved from one country to another and covered, when required, by a single phytosanitary certificate (a consignment may be composed of one or more commodities or lots). [FAO, 1990; ICPM Amendments, April 2001]
Contamination	Presence in a commodity, storage place, conveyance or container, of pests or other regulated articles, not constituting an infestation.
Cut flowers and branches	<ol style="list-style-type: none"><li>1) Fresh parts of plants intended for decorative use and not for planting.</li><li>2) For the purposes of this standard cut flowers and branches excludes roots or viable seeds.</li></ol>
Import health standard	Document issued under section 22 of the Biosecurity Act 1993 that “.....specifies the requirements to be met for the effective management of risks associated with the importation of risk goods before those goods can be imported, moved from a biosecurity control area, or a transitional facility, or given biosecurity clearance”.

Inspection	Official visual examination of plants, plant products or other regulated articles to determine if pests are present and/or to confirm compliance with phytosanitary regulations.
International Standard for Phytosanitary Measures	An international standard adopted by the Conference of FAO, the Interim Commission on Phytosanitary Measures or the Commission on Phytosanitary Measures established under the IPPC.
IPPC	Abbreviation for the International Plant Protection Convention, as deposited in 1951 with FAO in Rome and subsequently amended.
ISPM	Abbreviation for International Standard for Phytosanitary Measures.
MPI	Acronym for the Ministry for Primary Industries, New Zealand's national plant protection organisation.
National Plant Organisation (NPPO)	Official service established by a government to discharge the functions specified by the IPPC.
Pest	Any species, strain or biotype of plant, animal, or pathogenic agent, injurious to plants or plant products.
Phytosanitary measure	Any legislation, regulation or official procedure having the purpose to prevent the introduction and/or spread of pests.
Quarantine pest	A pest of potential economic importance to the area endangered thereby and not yet present there, or present but not widely distributed and (is) being officially controlled.
Regulated non-quarantine pest	A non-quarantine pest whose presence in plants for planting, affects the intended use of those plants with an economically unacceptable impact and is therefore regulated within the territory of the importing contracting party.
Regulated pest	A quarantine pest or a regulated non-quarantine pest.
Transience	Presence of a pest that is not expected to lead to establishment.

## **OUTLINE OF REQUIREMENTS**

This import health standard (IHS) outlines the MPI phytosanitary requirements to be met prior to shipment, in-transit and on arrival in New Zealand for cut foliage and branches of *Cordyline* and *Dracaena* from any country. The standard is based on the import risk analysis of *Cordyline* and *Dracaena* cut flowers and branches for the development of a generic import health standard.

This standard and the associated import risk analysis is replicated at the following Internet address:

<http://www.mpi.govt.nz/importing>

## **LEGISLATIVE REQUIREMENTS AND INTERNATIONAL OBLIGATIONS**

All New Zealand import health standards are based upon import risk analyses. When conducting import risk analyses and applying them in the development of import health standards, New Zealand's legislative requirements and international obligations have been taken into account.

# **IMPORT HEALTH STANDARD: CUT FOLIAGE AND BRANCHES OF *CORDYLINE* AND *DRACAENA* FROM ANY COUNTRY**

## **1 Official contact point (New Zealand National Plant Protection Organisation)**

The official contact point in New Zealand for overseas NPPOs is the Ministry for Primary Industries. All communication pertaining to this import health standard should be addressed to:

Plant Imports  
Ministry for Primary Industries  
PO Box 2526  
Wellington  
NEW ZEALAND

E-mail: [plantimports@mpi.govt.nz](mailto:plantimports@mpi.govt.nz)  
<http://www.mpi.govt.nz>

## **2 General conditions for the importation of all plants and plant products**

All plants and plant products are **PROHIBITED** entry into New Zealand, unless an import health standard has been issued in accordance with Section 22 of the Biosecurity Act 1993. Should prohibited plants or plant products be intercepted by MPI, the importer will be offered the option of reshipment or destruction of the consignment (at their expense).

The NPPO of the exporting country is requested to inform MPI of any change of address.

The NPPO of the exporting country is required to inform New Zealand's NPPO of any newly recorded organisms which may infest/infect any commodity approved for export to New Zealand.

Pursuant to the Hazardous Substances and New Organisms Act 1996, proposals for the deliberate introduction of new organisms (including genetically modified organisms) as defined by the Act should be referred to the Environment Protection Authority.

**Note:** In order to meet the Environmental Protection Authority's requirements the scientific name (i.e. genus and species) of the commodity must be included in the phytosanitary certificate.

### **3 Explanation of pest categories**

MPI categorises pests associated with plants and plant products into regulated and non-regulated pests.

Regulated pests are those pests for which phytosanitary actions would be undertaken if they were intercepted/detected. These will include new organisms as defined by the Hazardous Substances and New Organisms Act 1996, regulated non-plant pests, vectors of associated quarantine pests, strains of pests and contaminants. Non-regulated organisms are those organisms for which phytosanitary actions would not be undertaken if they were intercepted/detected.

Measures for the prevention of establishment of regulated pests in New Zealand are developed in accordance with the appropriate FAO ISPMs.

Pests (including weeds) potentially associated with each commodity appear on a separate pest list which will be attached to each import health standard as an Appendix.

### **4 Application of phytosanitary measures**

A number of different phytosanitary measures may be applied to pests based on the outcome of an import or pest risk analysis. Required measures may include:

- Surveillance for pest freedom;
- Testing prior to export for regulated pests which cannot be readily detected by inspection (e.g. viruses on propagating material);
- Specific pre-shipment pest control activities to be undertaken by the supply contracting party;
- The application of a pre-shipment treatment;
- Inspection of the export consignment;
- Treatment on arrival in New Zealand.

### **5 General conditions for cut flowers and branches**

Cut flowers and branches includes fresh parts of plants intended for decorative use and not for planting. For the purposes of this standard cut flowers and branches excludes roots or viable seeds.

Only inert/synthetic material may be used for the protection, packaging and shipping materials of cut flowers and branches.

Cut flowers and branches shall not be shipped or contained in free-standing water.



## **6 Specific conditions for cut foliage and branches of *Cordyline* and *Dracaena* from any country**

### **6.1 PRE-SHIPMENT REQUIREMENTS**

#### **6.1.1 Inspection of the consignment**

MPI requires that the NPPO of the country of origin sample and inspect the consignment according to official procedures for all the visually detectable regulated pests specified by MPI.

#### **6.1.2 Treatment of the consignment**

MPI requires that the NPPO of the country of origin ensure that the cut flowers and branches, and plants from which the cut flowers and branches were collected, have been treated as specified by MPI.

#### **6.1.3 Documentation**

**Bilateral quarantine arrangement:** Not required.

**Phytosanitary certificate:** Required.

**Import permit/Authorisation to import:** Not required.

#### **6.1.4 Phytosanitary certification**

A completed phytosanitary certificate issued by the NPPO must accompany all cut foliage and branches of *Cordyline* and *Dracaena* exported to New Zealand.

Before a phytosanitary certificate is to be issued, the NPPO of the country of origin must be satisfied that the following activities required by MPI have been undertaken.

The cut foliage and branches of *Cordyline* and *Dracaena* have:

- i) been inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests specified by MPI.

AND, ONE OR MORE OF THE FOLLOWING;

- ii) been sourced from a pest free area that is, as verified by pest surveillance methods (in accordance with the International Standards for Phytosanitary Measures; Requirements for the Establishment of Pest Free Areas, IPPC, FAO, Publication 4, 1996), free from a regulated pest(s).
- iii) been sourced from a pest free place of production that is, as verified by pest surveillance methods (in accordance with the International Standards for Phytosanitary Measures; Requirements for the Establishment of Pest Free Places of Production and Pest Free

Production Sites, IPPC, FAO, Publication 10, 1996), free from a regulated pest(s).

- iv) undergone methyl bromide fumigation, within 5 days of shipment the consignment, at a MPI approved temperature/dosage/duration combination, under vacuum (88 kPa), gradually returning to atmospheric pressure by the end of the period.

MPI approved temperature/dosage/duration combinations include:

Temperature	Initial dosage	Exposure time
10-14 °C	50 g/m <sup>3</sup>	3 hours
15-25 °C	50 g/m <sup>3</sup>	2 hours
>25 °C	32 g/m <sup>3</sup>	2 hours

- iii) undergone full immersion in water held at more than 50°C (120°F) for not less than 14 minutes, within 5 days of shipment the consignment.
- iv) undergone full exposure to vapour heat for not less than 1 hour at more than 46.6°C (116°F) and 90 to 98% relative humidity, within 5 days of shipment the consignment.
- v) been sprayed to run off (on all above-ground plant parts) with a MPI approved fungicide and insecticide combination, 14 days AND 5 days prior to harvesting the foliage for export to New Zealand.

(Note: Additional applications of the treatment may be required in high rainfall areas.)

MPI approved fungicide and insecticide combinations include:

- 1) Benomyl and Methomyl, or
- 2) Captan and Cypermethrin, or
- 3) Thiram and Cypermethrin.

Other fungicide/insecticide combinations may be approved on application to MPI.

AND;

- vi) been devitalised (rendered non-propagable) using an effective devitalisation treatment or process.

### 6.1.5 Additional declarations to the phytosanitary certificate

If satisfied that the pre-shipment activities have been undertaken, the NPPO of the country of origin must confirm this by providing the following additional declarations to the phytosanitary certificate:

"The cut foliage and branches of *Cordyline* and *Dracaena* in this consignment have been:

- inspected according to appropriate official procedures and are considered to be free from the regulated pests specified by MPI, and to conform with New Zealand's current

phytosanitary requirements”.

**NOTE:** This additional declaration is not required if the phytosanitary certificate issued by the NPPO is in accordance with the model phytosanitary certificate annexed to the revised (1997) text of the FAO IPPC.

AND, ONE OR MORE OF THE FOLLOWING;

- sourced from a pest free area that is, as verified by pest surveillance methods, free from \_\_\_\_\_ (named regulated pest(s)) \_\_\_\_\_.
- sourced from a pest free place of production that is, as verified by pest surveillance methods, free from \_\_\_\_\_ (named regulated pest(s)) \_\_\_\_\_.
- fumigated with methyl bromide within 5 days of shipping at \_\_\_\_\_ (Temperature / Initial dosage / Exposure time) \_\_\_\_\_, and under vacuum (88 kPa) gradually returning to atmospheric pressure by the end of the fumigation period.
- treated by hot-water immersion for \_\_\_\_\_ (Exposure time) \_\_\_\_\_ at a minimum of \_\_\_\_\_ (Temperature) \_\_\_\_\_, within 5 days of shipping.
- treated with vapour heat for \_\_\_\_\_ (Exposure time) \_\_\_\_\_ at \_\_\_\_\_ (Temperature) \_\_\_\_\_ and \_\_\_\_\_ (% Relative humidity) \_\_\_\_\_, within 5 days of shipping.
- harvested from plants that have been sprayed with \_\_\_\_\_ (Active ingredient and dosage rate) \_\_\_\_\_, 14 and 5 days prior to harvesting for export to New Zealand.

AND;

- subjected to an effective devitalisation treatment [details of treatment must be included on the phytosanitary certificate] rendering the consignment non-propagatable.”

**NOTE:** A list of the regulated pests, for which each phytosanitary treatment is considered by MPI to be effective, is provided in Appendix 1(a). A MPI approved phytosanitary measure must be provided for every regulated pest potentially associated with the cut foliage and branches of *Cordyline* and *Dracaena*.

## 6.2 TRANSIT REQUIREMENTS

The cut foliage and branches of *Cordyline* and *Dracaena* must be packed and shipped in a manner to prevent infestation and/or contamination by regulated pests.

Where a consignment is split or has its packaging changed while in another country (or countries) *en route* to New Zealand, a "Re-export Certificate" is required. Where a consignment is held under bond as a result of the need to change conveyances and is kept in the original shipping container, a "Re-export Certificate" is not required.

### **6.3 INSPECTION ON ARRIVAL IN NEW ZEALAND**

MPI will check the accompanying documentation on arrival to confirm that it reconciles with the actual consignment.

MPI requires, with 95% confidence, that not more than 0.5% of the units in a consignment are infested with visually detectable regulated pests. To achieve this, MPI will sample and inspect 600 units with an acceptance level of zero infested units (or equivalent), from the (homogeneous) lot.

### **6.4 BIOSECURITY/QUARANTINE DIRECTIVE**

The commodity may be directed to a facility for further treatment if required.

MPI requires that consignments of cut foliage and branches of *Cordyline* and *Dracaena* from an NPPO be audited, at the importers expense, to check that they are compliant with the New Zealand's requirement that a devitalisation treatment shall have been successfully undertaken on each unit within the consignment.

For the first 10 consignments, and one in every five consignments after the first 10, MPI will sample and send for propagatability testing a minimum of 5 units, with 1 extra unit per 100 units above 500 in the consignment. The identification of zero propagatable units (or equivalent), from the consignment, will be accepted by MPI as an indication that the consignment is non-propagable.

Unless other evidence of non-compliance is evident on inspection of the consignment, the consignment will not be held pending the results of the propagatability testing.

### **6.5 TESTING FOR REGULATED PESTS**

MPI may, on the specific request of the Director, Plants, Food & Environment, test the consignment for regulated pests.

### **6.6 ACTIONS UNDERTAKEN ON THE INTERCEPTION/DETECTION OF ORGANISMS/CONTAMINANTS**

If regulated pests are intercepted/detected on the commodity, or associated packaging, the following actions will be undertaken as appropriate (depending on the pest identified):

- Treatment (where possible) at the discretion of the Director, Plants, Food & Environment;
- Reshipment of the consignment;
- Destruction of the consignment;
- The suspension of trade, until the cause of the non-compliance is investigated, identified and rectified to the satisfaction of MPI.

Actions for the interception/detection of regulated non-plant pests will be in accordance with the actions required by the relevant government department.

Lots contaminated with more than 0.05% weight of extraneous plant material (e.g. leaves, twigs, soil) in the 600-unit sample shall be treated, re-shipped or destroyed.

Lots contaminated with seeds in the 600-unit sample will result in the lot either being held until an assessment has been made in comparison with the risk of importing the plant species concerned, treated, re-shipped or destroyed.

Lots containing propagatable units in the audit sample will result in the suspension of trade in the commodity with the country of origin until the cause of the non-compliance is investigated, identified, and rectified to the satisfaction of MPI.

## **6.7 BIOSECURITY CLEARANCE**

If regulated pests are not detected, or are successfully treated following interception/detection, and there is no evidence to suggest the plant material is propagatable, biosecurity clearance will be given.

## **6.8 FEEDBACK ON NON-COMPLIANCE**

The NPPO will be informed by the Director, Plants, Food & Environment, MPI, of the interception (and treatment) of any regulated pests, “unlisted” pests, or non-compliance with other phytosanitary requirements.

## **7 Contingencies Following Biosecurity Clearance**

Should a regulated pest be detected subsequent to biosecurity clearance, MPI may implement a management programme (official control programme) in accordance with the Biosecurity Act 1993.

## Appendix 1 (a)

### List of Regulated Pests Potentially Associated with Cut Foliage and Branches of *Cordyline* and *Dracaena*

Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<b>Higher Risk Organisms</b>				
<b>Micro-organisms</b>				
<i>Calonectria ilicicola</i> (anamorph <i>Cylindrocladium crotalariae</i> )	Fungus	Root and stem rot	PFA, Fungicide & Devitalisation	Reship or Destroy - trade suspended
<i>Xylella fastidiosa</i> (including insect vectors) ( <i>Cordyline</i> spp. only)	Bacteria		PFA, Fumigation <sup>1</sup>	Reship or Destroy – trade suspended
<b>Insects</b>				
<i>Liriomyza huidobrensis</i>	Agromyzidae	Pea leafminer	PFA, PFPP, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Liriomyza trifolii</i>	Agromyzidae	American serpentine leafminer	PFA, PFPP, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Maconellicoccus hirsutus</i>	Pseudococcidae	Hirsutus mealybug	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Orthezia insignis</i>	Ortheziidae	Greenhouse mealybug	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Phenacoccus solani</i>	Pseudococcidae	Solanum mealybug	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Planococcus minor</i>	Pseudococcidae	Pacific mealybug	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Protopulvinaria pyriformis</i>	Coccidae	Pyriform scale	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Pseudococcus jackbeardsleyi</i>	Pseudococcidae	Jack Beardsley mealybug	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Pseudococcus maritimus</i>	Pseudococcidae	Grape mealybug	PFA, Fumigation, Heat	Reship or Destroy - trade suspended
<i>Xyleborus affinis</i>	Scolytidae	Shot hole borer	PFA, PFPP, Visual inspection	Reship or Destroy - trade suspended
<i>Xyleborus ferrugineus</i>	Scolytidae	Ambrosia beetle	PFA, PFPP, Fumigation	Reship or Destroy - trade suspended
<i>Xyleborus perforans</i>	Scolytidae	Island pinhole borer	PFA, PFPP, Fumigation	Reship or Destroy - trade suspended
<i>Xylosandrus crassiusculus</i>	Scolytidae	Ambrosia beetle	PFA, PFPP, Visual inspection	Reship or Destroy - trade suspended
<b>Arachnids</b>				
<i>Tetranychus kanzawai</i>	Tetranychidae	Kanzawa mite	PFA, PFPP, Fumigation, Heat	Reship or Destroy - trade suspended
<b>Molluscs</b>				
<i>Bradybaena similaris</i>	Bradybaenidae	White snail	PFA, PFPP, Fumigation, Heat	Reship or Destroy - trade suspended

<sup>1</sup> Fumigation is recognised as efficacious against insect vectors of *X. fastidiosa*

**Note:** PFA = Pest Free Area; PFPP = Pest Free Place of Production; Fungicide = Pre-Harvest Fungicide Treatment; Fumigation = Methyl Bromide Fumigation; Heat = Hot-water Immersion Treatment or Heat Vapour Treatment.

Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<b>Lower or Unknown Risk Organisms</b>				
<b>Micro-organisms</b>				
<i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i>	Bacterium	Bacterial leaf spot	PFA, Devitalisation	Treatment, Reshipping or Destruction
<i>Anthostomella sphaeroidea</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Aplosporella dracaenarum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Ascochyta dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Ascochyta dracaenicola</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Ascochyta poonensis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Aspergillus niger</i> [floridanus strain]	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Asterina cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Botryodiplodia dracaenicola</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Botryosporium longibrachiatum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Capnodopsis</i> sp.	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Catenulaster batistae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Ceratocystis paradoxa</i> (anamorph <i>Chalara paradoxa</i> )	Fungus	Cane rot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Cercospora cordylines</i>	Fungus	Cercospora leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Cercospora dracaenae</i>	Fungus	Cercospora leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Choreospora tibellii</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Cladosporium dracaenatum</i>	Fungus	On leaves	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Cochliobolus stenospilus</i> (anamorph <i>Bipolaris stenospila</i> )	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Colletotrichum dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Colletotrichum dracaenae-fragrantis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Colletotrichum dracaenicola</i>	Fungus	Anthracnose	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Coniothyrium dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Corticium vagum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Curvularia brachyspora</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Curvularia fallax</i>	Fungus	Curvularia leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Cylindrocarpon effusum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Daedalea effusa</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Dictyoarthrinium sacchari</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction

**Note:** PFA = Pest Free Area; PFPP = Pest Free Place of Production; Fungicide = Pre-Harvest Fungicide Treatment; Fumigation = Methyl Bromide Fumigation; Heat = Hot-water Immersion Treatment or Heat Vapour Treatment.

Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<i>Diplodia cytisi</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Diplodia dracaenae</i>	Fungus	Dieback	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Diplodina dracaenicola</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Dothiorella dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Fusarium phyllophilum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Fusarium proliferatum</i> var. <i>minus</i>	Fungus	Leaf proliferosis	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Gloeosporium dracaenicola</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Gloeosporium polymorphum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Gloeosporium thumenii</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Glomerella cincta</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Gloniella draconis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Guignardia dracaenae</i>	Fungus	Guignardia spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Helminthosporium</i> sp.	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Hendersonia dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Kellermania anomala</i>	Fungus	On leaves	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Kutilakesopsis macalpinae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Lasiosphaeria draconis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Lembosia orbicularis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Leptosphaerella cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Leptosphaeria convallariae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Leptosphaeria convallariae dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Leptosphaeria cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Leptosphaeria dracaenae</i>	Fungus	Anthracnose	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Leptosphaeria draconis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Lophodermium dracaenae</i>	Fungus	Anthracnose	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Macrophoma bakeri</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Macrophoma cordylines</i>	Fungus	Dieback	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Macrophoma draconis</i>	Fungus	Dieback	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Macrophomina draconis</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Meliola dracaenae</i>	Fungus	Black mildew	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Meliola dracaenicola</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Meliola interrupta</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction

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Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<i>Meliola subdentata</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Microcopeltis cassipoureae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Microsphaeropsis concentrica</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Microsphaeropsis draconis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Morenoina dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Mycoleptodiscus indicus</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Mycosphaerella dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Myxosporium dracaenicola</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Nectria flavolanata</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Nectria mauritiicola</i> (anamorph <i>Rhizostilbella hibisci</i> )	Fungus	Basal cane rot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Nectriella pironii</i> (anamorph <i>Kutilakesa pironii</i> )	Fungus	Stem gall	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Paraphaeosphaeria obtusispora</i> (anamorph <i>Coniothyrium henriquesii</i> )	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pestalozzina cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phaeotrichoconis</i> sp.	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phoma dracaenae</i>	Fungus	Rot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phomopsis cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phomopsis dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllachora nervisequens</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllosticta cordylines</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllosticta cordylinophila</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllosticta draconis</i> (syn <i>P. dracaenae</i> )	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllosticta hesperidearum</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllosticta macropycnidia</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllosticta maculicola</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllostictella draconis</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Phyllostictina cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Physalospora dracaenae</i>	Fungus	Tip Blight, Leaf Spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Placoasterella schweinfurthii</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Plectosphaera amphidyma</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pleospora baldratiana</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pleospora calida</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pleospora herbarum</i> f.sp. <i>dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction

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Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<i>Pleospora pezizoides</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pseudocercospora dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pucciniopsis guaranitica</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Pythium aphanidermatum</i>	Fungus	Root rot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Rigidiporus lignosus</i> (anamorph <i>Fomes lignosus</i> )	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Rosellinia echinata</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Sphaerobolus stellatus</i>	Fungus	On mulch shot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Sphaerulina paulistana</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Stylina disticha</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Uromyces holubii</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Ustilago dracaenae</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Ustilago trabutiana</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Vermicularia concentrica</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Zetiaspizna cordylines</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Zygosporium echinosporum</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Zygosporium geminatum</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Zygosporium minus</i>	Fungus		PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
<i>Zygosporium oscheoides</i>	Fungus	Leaf spot	PFA, Fungicide & Devitalisation	Treatment, Reshipping or Destruction
Impatiens necrotic spot tospovirus	Virus	-	PFA, Devitalisation	Reshipping or Destruction
unidentified virus	Virus	-	PFA, Devitalisation	Reshipping or Destruction

## Insects

<i>Abgrallaspis cyanophylli</i>	Diaspididae	Cyanophyllum scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Affirmaspis socotrana</i>	Coccidae	Cyanophyllum scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Aleurodicus dispersus</i>	Aleyrodidae	Spiralling whitefly	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Amorbia emigratella</i>	Tortricidae	Mexican leafroller	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Anchastus swezeyi</i>	Elateridae	Click beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Aonidiella inornata</i>	Diaspididae	Inornate scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Aonidiella lauretorum</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Aonidiella tinerfinensis</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Archips micaceanus</i> (syn <i>Cacoecia micaceana</i> )	Tortricidae	Leafroller	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Artitropa comus</i>	Hesperiidae	Skipper butterfly	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction

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Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<i>Aspidiotus spinosus</i>	Diaspididae	Spinose scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Bemisia cordylinidis</i>	Aleyrodidae	Whitefly	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Brachydactyla discoidea</i>	-	Leaf beetle	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Bulbifer homeorhynchus</i>	Curculionidae	Weevil	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Catamacta lotinana</i>	Tortricidae	Tortricid	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Chaetanaphothrips signipennis</i>	Thripidae	Banana rust thrips	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Chrysomphalus aonidum</i>	Diaspididae	Florida red scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Chrysomphalus dictyospermi</i>	Diaspididae	Spanish red scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Chrysomphalus diversicolor</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Chrysomphalus pinnulifera</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Cilaeoepplus swezeyi</i>	Nitidulidae	Dried fruit beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Coccus viridis</i>	Coccidae	Green scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Conoderus eveillardii</i>	Elateridae	Click beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Diaprepes abbreviatus</i>	Curculionidae	Citrus weevil	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Dysmicoccus brevipes</i>	Pseudococcidae	Pineapple mealybug	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Dysmicoccus nesophilus</i>	Pseudococcidae	Scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Echinothrips americanus</i>	Thripidae	Thrips	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Elytroteinus subtruncatus</i>	Curculionidae	Fijian ginger weevil	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Eublemma rufimixta</i>	Noctuidae	Noctuid moth/leafroller	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Eucalymnatus tessellatus</i>	Coccidae	Tessellated scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Ferrisia virgata</i>	Pseudococcidae	Striped mealybug	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Fiorinia fioriniae</i>	Diaspididae	Fiorinia or Avocado scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Frankliniella occidentalis</i> [strain]	Thripidae	Western flower thrips	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Hemiberlesia palmae</i>	Diaspididae	Palm scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Howardia biclavis</i>	Diaspididae	Mining scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Icerya seychellarum</i>	Margarodidae	Seychelles scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Insulaspis orsoni</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Ischnaspis longirostris</i>	Diaspididae	Black thread scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Kandyosilis cochleata</i>	Cantharidae	Soldier beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Kilifia acuminata</i>	Coccidae	Acuminate scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Lepidosaphes tokionis</i>	Diaspididae	Croton mussel scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Levcaspis cordylinidis</i>	-	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction

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Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<i>Lopholeucaspis cockerelli</i>	Diaspididae	Cockerell scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Melanaspis corticosa</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Melanaspis elaeagni</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Melanaspis nigropunctata</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Milviscutulus mangiferae</i>	Coccidae	Mango shield scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Mycetaspis personata</i>	Diaspididae	Plumose scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Mycetaspis sphaerioides</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Nasutitermes corniger</i>	Termitidae	Termite	None Required	None (not required)
<i>Neoselenaspis silvaticus</i>	Diaspididae	Silvaticus scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Nipaecoccus nipae</i>	Pseudococcidae	Coconut mealybug	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Opogona sacchari</i>	Tineidae	Banana moth	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Opuntiaspis carinata</i>	Diaspididae	Carinate scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Oryctes monoceros</i>	Scarabaeidae	Cocnut beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Oviticoccus agavium</i>	Eriococcidae	Agave ovaticoccin	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Parlatoria proteus</i>	Diaspididae	Orchid scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Phenacaspis tangana</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pinnaspis buxi</i>	Diaspididae	Ti scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pinnaspis dracaenae</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pinnaspis strachani</i>	Diaspididae	Hibiscus snow scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pinnaspis theae</i>	Diaspididae	Armoured scale	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Proterhinus vestitus</i>	Curculionidae	Weevil	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Pseudaonidia trilobitiformis</i>	Diaspididae	Trilobite scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pseudaulacaspis cockerelli</i>	Diaspididae	Cockerell's scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pseudischnaspis bowreyi</i>	Diaspididae	Bowrey scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pseudococcus floriger</i>	Pseudococcidae	Mealybug	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Pseudococcus orchidicola</i>	Pseudococcidae	Scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Ptilodactyla exotica</i>	Ptilodactylidae	Toed-winged beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Pulvinaria urbicola</i>	Coccidae	Urbicola soft scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Rhizoecus amorphophalli</i>	Pseudococcidae	Scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Rhizoecus floridanus</i>	Pseudococcidae	Florida ground mealybug	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Rhizoecus simplex</i>	Pseudococcidae	Scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Rhodogastria carneola</i>	Arctiidae	Skeletonizer	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction

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Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<i>Sardia pluto</i>	Delphacidae	Delphacid planthopper	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Scyphophorus acupunctatus</i>	Curculionidae	Agave weevil	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Selenaspidus antsingyi</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Selenaspidus articulatus</i>	Diaspididae	West Indian red scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Selenaspidus littoralis</i>	Diaspididae	Armoured scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Taeniothrips samdensis</i>	Thripidae	Thrips	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Tetramorium bicarinatum</i>	Formicidae	Guniea ant	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Voraspiis tangana</i>	Coccidae	Scale	PFA, Fumigation, Heat	Treatment, Reshipping or Destruction
<i>Xyleborus rugatus</i>	Scolytidae	Ambrosia beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Xylopsocus capucinus</i>	Bostrichidae	False powder post beetle	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<b>Arachnids</b>				
<i>Asca spicata</i>	Ascidae	Ascid mite	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Cheletogenes ornatus</i>	Cheyletidae	Cheyletid mite	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Cochlodispus operosus</i>	Trombiculidae	Mite	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Phytoseius hongkongensis</i>	Phytoseiidae		PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<i>Tetranychus hydrangeae</i>	Tetranychidae	Spider mite	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<b>Molluscs</b>				
<i>Succinea costaricana</i>	Succineidae	Snail	PFA, PFPP, Visual inspection	Treatment, Reshipping or Destruction
<b>Nematodes</b>				
<i>Rotylenchulus reniformis</i>	Nematode	Reniform nematode	None Required	None (not required)

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## Appendix 1 (b)

### List of Non-Regulated Pests Potentially Associated with Cut Foliage and Branches of *Cordyline* and *Dracaena*

Scientific Name	Organism Type	Common Name	MPI Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
<b>Micro-organisms</b>				
<i>Erwinia carotovora</i> subsp. <i>carotovora</i>	Bacterium	Bacterial soft rot	None Required	None
<i>Erwinia chrysanthemi</i>	Bacterium	Bacterial soft rot	None Required	None
<i>Erwinia chrysanthemi</i> pv. <i>zeae</i>	Bacterium	Bacterial soft rot	None Required	None
<i>Pseudomonas marginalis</i>	Bacterium	Leaf spot	None Required	None
<i>Xanthomonas campestris</i>	Bacterium	Xanthomonas blight	None Required	None
<i>Acremonium charticola</i>	Fungus	Frescu endophyte	None Required	None
<i>Alternaria alternata</i>	Fungus	Black stalk rot	None Required	None
<i>Alternaria tenuissima</i>	Fungus	Nailhead spot	None Required	None
<i>Aspergillus niger</i>	Fungus	Wilt, stem rot	None Required	None
<i>Athelia rolfsii</i> (anamorph <i>Sclerotium rolfsii</i> )	Fungus	Rolf's disease	None Required	None
<i>Auricularia cornea</i>	Fungus	-	None Required	None
<i>Auricularia polytricha</i>	Fungus		None Required	None
<i>Botryosphaeria rhodina</i>	Fungus	Leaf spot/ root rot	None Required	None
<i>Botryotinia fuckeliana</i> (anamorph <i>Botrytis cinerea</i> )	Fungus	Gray mold	None Required	None
<i>Calonectria kyotensis</i> (anamorph <i>Cylindrocladium scoparium</i> )	Fungus	Stem rot	None Required	None
<i>Cladosporium cladosporioides</i>	Fungus	Leaf spot	None Required	None
<i>Cochliobolus lunatus</i> (anamorph <i>Curvularia lunata</i> )	Fungus	Leaf spot	None Required	None
<i>Colletotrichum capsici</i>	Fungus	Anthrachnose	None Required	None
<i>Colletotrichum dematium</i>	Fungus	Cutting rot	None Required	None
<i>Corticium cordyline</i>	Fungus		None Required	None
<i>Corynespora cassicola</i>	Fungus	Leaf spot	None Required	None
<i>Endophragmiella uniseptata</i>	Fungus		None Required	None
<i>Flammulaster foliicola</i>	Fungus		None Required	None
<i>Fusarium coeruleum</i>	Fungus	Fusarium rot	None Required	None
<i>Fusarium moniliforme</i>	Fungus	Mould	None Required	None
<i>Fusarium moniliforme</i> var. <i>intermedium</i>	Fungus	Mould	None Required	None
<i>Fusarium oxysporum</i>	Fungus	Crown and root rot	None Required	None
<i>Fusarium pallidoroseum</i>	Fungus	Root rot	None Required	None

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<i>Gibberella fujikuroi</i> (anamorph <i>Fusarium fujikuroi</i> )	Fungus	Fusarium leaf spot	None Required	None
<i>Gibberella intricans</i> (anamorph <i>Fusarium equiseti</i> )	Fungus	Leaf spot	None Required	None
<i>Gibberella subglutinans</i> (anamorph <i>Fusarium subglutinans</i> )	Fungus	Basal stem rot	None Required	None
<i>Glomerella cingulata</i> (anamorph <i>Colletotrichum gloeosporioides</i> )	Fungus	Anthracnose, leaf spot	None Required	None
<i>Hyaloscypha dematiicola</i>	Fungus		None Required	None
<i>Hypoderma cordyline</i>	Fungus		None Required	None
<i>Lasiodiplodia theobromae</i>	Fungus	Basal stem rot	None Required	None
<i>Lophodermium multimatricum</i>	Fungus		None Required	None
<i>Melanocephala cupulifera</i>	Fungus		None Required	None
<i>Nectria erubescens</i>	Fungus		None Required	None
<i>Nectria haematococca</i> (anamorph <i>Fusarium solani</i> )	Fungus	Cane and stem rot	None Required	None
<i>Nectria pertusoides</i>	Fungus		None Required	None
<i>Nectria radicularis</i> var. <i>macroconidialis</i>	Fungus		None Required	None
<i>Periconiella cordyline</i>	Fungus		None Required	None
<i>Phanerochaete cordyline</i>	Fungus		None Required	None
<i>Phellinus gilvus</i>	Fungus		None Required	None
<i>Phellinus scrupeus</i>	Fungus		None Required	None
<i>Physalospora rhodina</i> (anamorph <i>Botryodiplodia theobromae</i> )	Fungus		None Required	None
<i>Phytophthora cinnamomi</i>	Fungus	Basal stem and root rot	None Required	None
<i>Phytophthora drechsleri</i>	Fungus	Phytophthora rot	None Required	None
<i>Phytophthora nicotianae</i> var. <i>parasitica</i>	Fungus	Cutting, leaf and stem rot	None Required	None
<i>Pleuroflammula praestans</i>	Fungus		None Required	None
<i>Poria cordylina</i>	Fungus		None Required	None
<i>Pycnoporus cinnabarinus</i>	Fungus	White rot	None Required	None
<i>Pycnoporus coccineus</i>	Fungus	Branch canker	None Required	None
<i>Pythium splendens</i>	Fungus	Root rot	None Required	None
<i>Schizophyllum commune</i>	Fungus	Cane (wood) rot	None Required	None
<i>Schizopora paradoxa</i>	Fungus		None Required	None
<i>Simocybe tabacina</i>	Fungus		None Required	None
<i>Sphaeropsis cordyline</i>	Fungus		None Required	None
<i>Stemphylium lycopersici</i>	Fungus	Stemphylium fruit spot	None Required	None
<i>Stictis cordylineae</i>	Fungus		None Required	None

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<i>Stictis dumontii</i>	Fungus		None Required	None
<i>Stictis lata</i>	Fungus		None Required	None
<i>Thanatephorus cucumeris</i> (anamorph <i>Rhizoctonia solani</i> )	Fungus	Leaf & stem rot	None Required	None
<i>Trametes versicolor</i>	Fungus	Cane rot	None Required	None
<i>Trichopelthea asiatica</i>	Fungus	Sooty blotch	None Required	None
Candidatus <i>Phytoplasma australiense</i>	Phytoplasma		None Required	None
<b>Insects</b>				
<i>Aonidiella aurantii</i>	Diaspididae	California red scale	None Required	None
<i>Aphenochiton pubens</i>	Coccidae	Scale	None Required	None
<i>Aphis spiraeicola</i>	Aphididae	Spirea aphid	None Required	None
<i>Aspidiotus nerii</i>	Diaspididae	Oleander scale	None Required	None
<i>Asynonychus cervinus</i>	Curculionidae	Fuller's rose weevil	None Required	None
<i>Balanococcus cordylinidis</i>	Pseudococcidae	Scale	None Required	None
<i>Chrysodeixis chalcites</i>	Noctuidae	Golden twin spot moth	None Required	None
<i>Coccus hesperidum</i>	Coccidae	Brown soft scale	None Required	None
<i>Coccus longulus</i>	Coccidae	Long brown scale	None Required	None
<i>Diaspis boisduvalii</i>	Diaspididae	Boisduval scale	None Required	None
<i>Eriococcus asteliae</i>	Eriococcidae	Scale	None Required	None
<i>Eriococcus setulosus</i>	Eriococcidae	Scale	None Required	None
<i>Hemiberlesia lataniae</i>	Diaspididae	Scale	None Required	None
<i>Hemiberlesia rapax</i>	Diaspididae	Greedy scale	None Required	None
<i>Hercinothrips femoralis</i>	Thripidae	Banded greenhouse thrips	None Required	None
<i>Lindingaspis rossi</i>	Diaspididae	Ross' black scale	None Required	None
<i>Macrosiphum euphorbiae</i>	Aphididae	Potato aphid	None Required	None
<i>Myzus persicae</i>	Aphididae	Green peach aphid	None Required	None
<i>Parasaissetia nigra</i>	Coccidae	Nigra scale	None Required	None
<i>Parlatoria pittospori</i>	Diaspididae	Mauve pittosporum scale	None Required	None
<i>Parthenothrips dracaenae</i>	Thripidae	Dracaena thrips	None Required	None
<i>Pheidole megacephala</i>	Formicidae	Big-headed ant	None Required	None
<i>Phloeococcus cordylinidis</i>	Eriococcidae	Scale	None Required	None
<i>Pinnaspis aspidistrae</i>	Diaspididae	Fern scale	None Required	None

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<i>Planococcus citri</i>	Pseudococcidae	Citrus mealybug	None Required	None
<i>Planococcus mali</i>	Pseudococcidae	Mealybug	None Required	None
<i>Pseudococcus calceolariae</i>	Pseudococcidae	Citrophilus mealybug	None Required	None
<i>Pseudococcus longispinus</i>	Pseudococcidae	Longtailed mealybug	None Required	None
<i>Pulvinaria floccifera</i>	Coccidae	Cottony camellia scale	None Required	None
<i>Pulvinaria psidii</i>	Coccidae	Green shield scale	None Required	None
<i>Rhizoecus dianthi</i>	Pseudococcidae	Root mealybug	None Required	None
<i>Rhizoecus falcifer</i>	Pseudococcidae	Root mealybug	None Required	None
<i>Saissetia coffeae</i>	Coccidae	Hemispherical scale	None Required	None
<i>Saissetia oleae</i>	Coccidae	Black olive scale	None Required	None
<i>Trialeurodes vaporariorum</i>	Aleyrodidae	Greenhouse whitefly	None Required	None
<i>Xyleborinus saxeseni</i>	Scolytidae	Fruit tree pinhole borer	None Required	None
<b>Anachnids</b>				
<i>Tetranychus cinnabarinus</i>	Tetranychidae	Carmine spider mite	None Required	None
<i>Tetranychus lambi</i>	Tetranychidae	Strawberry spider mite	None Required	None
<i>Tetranychus urticae</i>	Tetranychidae	Two spotted mite	None Required	None

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