Ministry for Primary Industries
Manatū Ahu Matua

Import Health Standard

Plants for Planting 2026

155.02.06

4 November 2026

Important information for importers and border staff

Date: 4 August 2025

This IHS is partially suspended until further notice. Check the import specification in the Plants Biosecurity Index for the eligibility of the plant species you plan to import:

- If the import specification says **only** "…see 155.02.06 under [schedule name]" or "L2 (Basic)", the species is eligible for import.
- If the import specification says "Suspended", the plants cannot be imported.
- If the import specification says "…see 155.02.06 under [schedule name]" or "L2 (Basic)" **and** "Suspended" some pathways are suspended. Click on the import specification for details.

For more information contact plantimports@mpi.govt.nz.

Issued under the Biosecurity Act 1993

Te Kāwanatanga o Aotearoa
New Zealand Government

Title

Import Health Standard: Plants for Planting 2026

Commencement

This standard comes into force on 9 November 2026

Revocation

This standard revokes and replaces import health standard: Plants for Planting 2025, issued 5 November 2025

Issuing Authority

This standard is made under section 24A of the Biosecurity Act 1993 by the Ministry for Primary Industries to incorporate amendments made pursuant to sections 24B and 166A of that Act.

Made at Wellington on 4 November 2026

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

Contact for further information

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Introduction

This introduction is not part of the Import Health Standard (IHS) but is intended to indicate its general effect.

Purpose

An import health standard specifies the requirements for importing risk goods into New Zealand from all countries. This import health standard specifies the requirements that must be met when importing plants for planting into New Zealand.

Background

An import health standard issued under the New Zealand Biosecurity Act 1993 (the Act) specifies the requirements to be met to effectively manage biosecurity risks associated with importing risk goods, including the risks from incidentally imported new organisms. Import health standards include measures that must be applied in the exporting country before the risk goods are exported. Import health standards also include requirements that must be met by importers during importation, including while the risk goods are in transit to New Zealand and held in a transitional facility before biosecurity clearance can be given.

Post-clearance conditions may also be specified in an import health standard.

This import health standard uses cross-references. Where clause numbers are referred to, for example 1.1, you can click on the number to be taken to that place in the standard.

Who should read this standard?

This import health standard should be read by anyone involved in the process of importing plants for planting into New Zealand (or who has an interest in importing plants for planting).

Why is this important?

It is the responsibility of the importer to ensure that risk goods (i.e. plants for planting) comply with the requirements of the relevant import health standard. Risk goods that do not comply with the requirements of an import health standard may not be cleared for entry into New Zealand and may be directed for treatment, re-export, destruction or further action deemed appropriate by a Chief Technical Officer. The pathway may be suspended if certain types of viable regulated pests are intercepted on the consignment.

Importers are liable for all associated expenses.

Equivalence

A Chief Technical Officer may consider an application for an equivalent phytosanitary measure to be approved, different from that provided for in this standard, to maintain at least the same level of protection assured by the current measures.

Equivalence will be considered with reference to the International Standard for Phytosanitary Measures (ISPM) 24. *Guidelines for the determination and recognition of equivalence of phytosanitary measures*.

Document History

Refer to Appendix 2: Document History

Other information

Guidance boxes are included within this import health standard for explanatory purposes. The guidance included in these boxes is for information only and has no legal effect.

Part 1: General Requirements

1.1 Application

(1) This import health standard applies to species that are listed in the MPI Plants Biosecurity Index (PBI) with a Nursery Stock import specification of "L2 (Basic)" or "…see 155.02.06 under [schedule name]".

a) The "L2 (Basic)" genera/species in Appendix 6 are currently suspended and are not eligible for import.

(2) The following types of plants for planting are eligible for import under this standard:

a) whole plants (including rooted cuttings);
b) cuttings (dormant and/or non-dormant);
c) tissue cultures;
d) dormant bulbs and tubers;

(3) Imports of all species must comply with all relevant clauses of Part 1.

(4) Imports of species with an import specification of "see 155.02.06 under [schedule name]" must also comply with the listed schedule in Part 3.

Guidance

- Plants for planting for which entry conditions or import health standards have been developed are listed alphabetically in the Plants Biosecurity Index (PBI).
- Interspecific hybrids are eligible for import provided that every species in the parentage, or the hybrid itself, is listed as eligible in the PBI.
- If a species is not listed in the PBI, it means that conditions for import into New Zealand have not been developed. For new organisms (species), including genetically modified organisms, as defined in the Hazardous Substances and New Organisms Act 1996, an application must be made to the Environmental Protection Authority (EPA).
- If a species is not included in the PBI but is considered by an importer to be established in New Zealand, the applicant should provide information, including supporting evidence capable of being verified, to EPA.
- If EPA approves an application, MPI can then develop an import health standard in accordance with the Biosecurity Act 1993. For inquiries about IHS development, contact plantimports@mpi.govt.nz.
- MPI updates the PBI upon request if EPA determines a species is not a 'new organism' or approves a species for entry into New Zealand.
- If you are unsure about a plant's import status, contact plantimports@mpi.govt.nz.
- The importation of plants and plant products of some plant species is regulated under the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), of which New Zealand is a signatory. Regulated plant species, where appropriate, must be accompanied by a valid CITES export permit issued by the appropriate management authority in the country of export. Additional information can be obtained at: https://www.cites.org. A CITES import permit, issued by the Department of Conservation, may also be required by New Zealand legislation for specimens of selected species. To confirm whether a specific species requires a CITES import permit, contact the Department of Conservation https://www.doc.govt.nz.

1.2 Incorporation by reference

(1) The following documents are incorporated by reference under section 142M of the Act:

a) ISPM 5. *Glossary of phytosanitary terms* (FAO)
b) ISPM 10. *Requirements for the establishment of pest free places of production and pest free production sites* (FAO)
c) ISPM 12. *Phytosanitary certificates* (FAO)

d) Official New Zealand Pest Register (ONZPR) (MPI)
e) Plants Biosecurity Index (PBI) (MPI)
f) Schedule of Regulated (Quarantine) Weed Seeds (MPI)

(2) Under section 142O(3) of the Act it is declared that section 142O(1) does not apply, that is, a notice under section 142O(2) of the Act is not required to be published before material that amends or replaces any material incorporated by reference has legal effect as part of those documents.

1.3 Definitions

(1) Refer to Appendix 1: Definitions and Abbreviations.

1.4 Inspection on arrival and maximum pest limit

(1) A randomly drawn sample of 600 units from each homogenous lot in a consignment must be inspected on arrival by a MPI inspector. If a lot is comprised of fewer than 600 units, every unit must be inspected by a MPI inspector.

(2) Infestation with visually detectable quarantine pests must not exceed the maximum pest limit (MPL), currently set at 0.5%.

(3) To achieve a 95% level of confidence that the maximum pest limit will not be exceeded, no infested units are permitted in a randomly drawn sample of 600 units (acceptance number = 0).

1.5 Treatment of the consignment

(1) Plants for planting require treatment for pests when stated in clauses 1.10.6, 1.10.8 and Part 3

(2) All pesticide treatments must be carried out in accordance with manufacturer's recommendations, including labelling of the treated plant commodity with the name of the active ingredient used and any handling requirements.

(3) Upon arrival and following inspection at the border, if any required treatment(s) of the consignment has not been completed within the prescribed period, it may be completed in New Zealand, where such services are available, by prior arrangement with MPI.

(4) All treatments in New Zealand must be completed by MPI-approved treatment providers, approved to the *Treatment Provider Requirements*.

1.6 Testing the consignment

(1) Plants for planting require testing for pests when stated in Part 3.

(1) Upon arrival and following inspection at the border, if any required testing of the consignment has not been completed within the prescribed period, it may be completed in New Zealand, where such services are available, by prior arrangement with MPI.

(2) All testing in New Zealand must be completed in MPI-approved facilities, approved to the facility standard 155.04.03: *Identification of Organisms*.

1.6.1 Unit for testing

(1) The unit for testing for plant material being held in post-entry quarantine is an individual imported plantlet (imported in vitro), cutting or whole plant. Each plantlet, cutting or whole plant must be labelled individually and tested separately, with the following exceptions:

Polymerase chain reaction (PCR)

a) Samples taken from up to five plants being grown in post-entry quarantine can be combined to form a single composite sample for testing by PCR, provided that the plants are derived from:

   i) a single imported plantlet or cutting; or
   ii) multiple plantlets or cuttings derived from the same mother plant. The phytosanitary certificate must state that the plantlets/cuttings are derived from the same mother plant; or
   iii) different mother plants of the same species.

Enzyme-linked immunosorbent assay (ELISA)

b) Samples taken from up to five plants being grown in post-entry quarantine can be combined to form a single composite sample for testing by ELISA provided that the plants are derived from:

   i) a single imported plantlet or cutting; or
   ii) multiple plantlets or cuttings that are derived from the same mother plant. The phytosanitary certificate must state that the plantlets/cuttings are derived from the same mother plant.

High-throughput sequencing (HTS)

c) Samples taken from up to five plants being grown in post entry quarantine can be combined to form a single composite sample for testing by HTS, provided that the plants are derived from:

   i) a single imported plantlet or cutting; or
   ii) multiple plantlets or cuttings derived from the same offshore mother plant; or
   iii) different mother plants of the same species.

1.7 Approval of offshore facilities

(1) Plants for planting may be imported from MPI-approved offshore facilities under predetermined conditions, with no, or a reduced, post-entry quarantine requirement following arrival in New Zealand. Where this option is available, it will be stated in Part 3.

(2) Overseas facilities must be approved by MPI according to the Administrative Standard *Standard for offshore facilities hold and testing plants for planting*.

Guidance

- A list of MPI-approved offshore facilities is available on the MPI website: Offshore high health plant and quarantine facilities|

1.8 New Zealand plants for planting returning from overseas

(1) All returning product of New Zealand origin will be regarded as offshore plants for planting and must meet the requirements of the import health standard or be reshipped or destroyed, except under the following circumstances.

1.8.1 Plants for planting "unopened" offshore

(1) Plants for planting in their original pest-proof container with the original seals intact are permitted entry subject to a product reconciliation check on arrival to verify that the plants are New Zealand produce.

1.8.2 Plants for planting "opened" offshore

(1) Plants for planting inspected offshore and rejected for any reason are permitted entry if:

   a) The plants are verified to have been returned to their original pest-proof container and resealed immediately after inspection or stored in pest-proof facilities prior to re-export; and
   b) The consignment was reshipped back to New Zealand by the first available means;

c) The consignment has been inspected, cleared and reconciled on arrival in New Zealand as per the requirements in 1.4; and
d) The plants have been treated with a generic insecticide and miticide as per Appendix 3: Pesticide treatments for whole plants and cuttings or Appendix 4: Pesticide treatments for dormant bulbs.

1.9 Importing pollen

(1) Pollen must be listed as an approved commodity type in Part 3 for pollen to be imported.

(2) An import permit must be obtained from MPI before import. Before issuing the permit to import, MPI will assess, on a case-by-case basis, the requirements that must be met to import the pollen. All import requirements will be detailed on the permit to import.

Guidance

- Currently, there are no approved import pathways for pollen.

1.10 General requirements for whole plants and cuttings

1.10.1 Application

(1) The requirements listed in 1.10 apply to all imported consignments of whole plants (including rooted cuttings) and cuttings (including dormant and/or non-dormant).

a) Rooted cuttings are considered whole plants and must be imported under the requirements for whole plants.

(2) All plants for planting imported as whole plants and cuttings must meet the requirements in this section, as well as the relevant requirements of Part 2: "Targeted requirements" and Part 3: "Specific requirements".

1.10.2 Import permit

(1) An import permit is required, unless otherwise stated in Part 3.

Guidance

- To apply for a permit, complete the application form available from the MPI website: Permit to Import Nursery Stock or Seed for Sowing – Application form
- The completed form should be submitted through the MPI Online Permits portal.

1.10.3 Labelling

(1) Each type of plant in the consignment must be clearly labelled with its genus and species.

(2) For hybrids, each type of plant in the consignment must be clearly labelled with the genus and species of both parents.

1.10.4 Cleanliness

(1) Materials used to protect, package and ship whole plants and cuttings must be inert/synthetic only.

Guidance

- Coco peat, peat or *Sphagnum* moss used as packaging material for whole plants and cuttings must comply with the requirements of the *Fertilisers and Growing Media of Plant Origin* import health standard in order to be compliant.
- "Packaging" should only be used for supporting, protecting, or carrying a commodity as defined in ISPM 5. *Glossary of phytosanitary terms*.
- Consignments contaminated with soil may be treated, reshipped, or destroyed.
- If other extraneous matter is found in the consignment that cannot be readily removed, the consignment may be reshipped or destroyed.

1.10.5 Phytosanitary certificate

(1) Each consignment must be accompanied by a phytosanitary certificate issued by the NPPO in accordance with ISPM 12. *Phytosanitary certificates*.

(2) If visually detectable pests are found that are not listed in this standard, the certifying NPPO must establish their regulatory status before issuing the certificate. This information is available in the Official New Zealand Pest Register (ONZPR). If a visually detectable pest is not listed in ONZPR, the certifying NPPO must contact MPI to establish the regulatory status of the pest.

1.10.6 Pesticide treatments

(1) Pesticide treatments are required as per Appendix 3 unless stated otherwise in Part 3.

1.10.7 Measures for *Phymatotrichopsis omnivora*

Guidance

- All consignments of whole plants from the listed countries must meet the requirements in 1.10.7 unless a variation to these conditions is specified in Part 3.

(1) All species of whole plants (including rooted cuttings) from Brazil, Mexico, United States of America and Venezuela must meet the requirements of 1.10.7.

(2) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants for planting have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora*".

1.10.8 Measures for *Helicobasidium mompa*

(1) Unless stated otherwise in Part 3, all species imported as whole plants or cuttings from the following countries must include the following additional declaration on the phytosanitary certificate:

a) "The plants for planting have been produced in a 'pest free area', free from *Helicobasidium mompa*".

Afghanistan	Iraq	Nepal	Syria
Armenia	Israel	Oman	Turkey
Bangladesh	Jordan	Pakistan	United Arab Emirates
Bhutan	Kuwait	Philippines	Vietnam
Brunei	Laos	Saudi Arabia	Yemen
Cambodia	Lebanon	Singapore	
Iran	Myanmar	Sri Lanka	

(2) Unless stated otherwise in Part 3, all species imported as whole plants or cuttings from the following countries must meet the following requirements:

Azerbaijan	Kazakhstan	Russia	Turkmenistan
China	Kyrgyzstan	South Africa	Uganda
Georgia	Malawi	South Korea	Uzbekistan
India	Malaysia	Taiwan	
Indonesia	Mongolia	Tajikistan	
Japan	North Korea	Thailand	

a) The following additional declaration must be endorsed on the phytosanitary certificate:

i) "The plants for planting have been produced in a 'pest free area' or 'pest free place of production', free from *Helicobasidium mompa*".

b) The consignment must be treated for *Helicobasidium mompa* as follows, unless the plants for planting require Level 3B post-entry quarantine as stated in Part 3.

i) Chemical treatment: spray or immerse in a dip(s) with agitation, using one of the below active ingredients according to the following conditions.

1) For dipping, the treatment time is 5 minutes.
2) Dip solutions must be used no more than twice or as per manufacturer's recommendations.

3) All treatments must be carried out in accordance with manufacturer's recommendations using either the recommended label rate or the rates shown in the table below.

Active ingredient	Dip time (minutes)	Condition
Bromo-chloro-dimethylhydantoin (8.1–16 mg per litre of dip/spray)	5	…
Peroxyacetic acid (80 ppm)	5	• Dip at room temperature • Wetting agent required
Sodium hypochlorite (10% a.i.), pH 6.5–7	5	• Dip at room temperature

ii) One of the following treatments must be applied:

1) **Hot water treatment and chemical treatment (dormant material only):** immersion in hot water at a constant temperature of 24 °C for 2 hours, followed by immersion in hot water at a constant temperature of 45 °C for 3 hours (period required at the stated temperatures excluding warm-up times). Immersion in thiabendazole dip (1–1.3 g a.i. per litre of dip) containing a wetting agent for 15–30 minutes with agitation. The dip solution must be used no more than twice or as per manufacturer's recommendations. The thiabendazole dip may be incorporated in the hot water treatment.

OR

2) **Chemical treatment:** spray, or immerse in a dip(s) with agitation, according to the following conditions:

a) The plants must be sprayed/dipped using two active ingredients belonging to different chemical groups chosen from the table below.
b) Dip solutions must be used no more than twice or as per manufacturer's recommendations.
c) All treatments must be carried out in accordance with manufacturer's recommendations using either the recommended label rate or the rates shown in the table below.

Chemical group	Active ingredient	Dip time (minutes)	Condition
Anilinopyrimidine	Pyrimethanil	15	• Dip at room temperature
Benzimidole	Carbendazim (1 g per litre of dip/spray)	20	…
Benzimidole	Thiophanate-methyl	10–15	…
Chloronitrile	Chlorothalonil	15	• Dip at room temperature
Dicarboximide	Iprodione (2 g per litre of dip/spray)	30	…
Dimethyldithiocarbamate	Thiram (11.2 g per litre of dip)	…	• Dip at room temperature
Phenylurea	Pencycuron	15	…
Phosphonate	Fosetyl-aluminium	15	• Dip at room temperature

Chemical group	Active ingredient	Dip time (minutes)	Condition
Strobilurin	Azoxystrobin (0.95 g per litre of dip)	15	• Dip at room temperature
Triazole	Propiconazole (0.5 g per litre of dip)	5	…

iii) If satisfied that the treatments have been applied, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.

1.10.9 Post-entry quarantine

(1) After arriving in New Zealand, all whole plants and cuttings must undergo a period of growth in post-entry quarantine (PEQ) to check for regulated pests and/or diseases, unless otherwise specified in Part 3.

(2) Post-entry quarantine must take place in a transitional facility approved by the Director-General to the Facility Standard: Post-entry Quarantine for Plants PEQ.STD.

(3) Plants and cuttings must be held in a Level 2 (greenhouse) facility unless a different level is specified in Part 3.

(4) The whole plants and cuttings must be actively growing throughout the quarantine period.

(5) The quarantine period is a minimum of 3 months unless a different period is specified in Part 3.

(6) During the post-entry quarantine period, the consignments will be inspected and tested as per the requirements detailed in the relevant schedules of Part 2 and Part 3, at the expense of the importer.

Guidance

- The post-entry quarantine period may be extended if:
  - the plants or cuttings are growing slowly
  - pests or diseases are detected
  - testing or treatment for regulated pests is required.
- Additional testing and/or treatment, at the expense of the importer, may be required if pests or diseases are detected.
- For more information on the requirements for transitional facilities see the Facility Standard: Post-entry Quarantine for Plants PEQ.STD.
- Facilities that are approved by MPI to provide post-entry quarantine for plants for planting are listed here: Post-entry quarantine facilities for plants

1.11 General requirements for tissue cultures

1.11.1 Application

(1) The requirements listed in 1.11 apply to all imported consignments of tissue cultures.

(2) All plants for planting imported as tissue cultures must meet the requirements in this section, as well as the relevant requirements of Part 2: "Targeted requirements" and Part 3: "Specific requirements".

1.11.2 Import permit

(1) An import permit is **not** required unless;

a) stated in Part 3, or
b) the tissue cultures require a period in post-entry quarantine.

Guidance

- To apply for a permit, complete the application form available from the MPI website: Permit to Import Nursery Stock or Seed for Sowing – Application form
- The completed form should be submitted through the MPI Online Permits portal.

1.11.3 Labelling

(1) Tissue cultures must be clearly labelled with their genus and species.

(2) For hybrids, tissue cultures must be clearly labelled with the genus and species of both parents.

1.11.4 Cleanliness and tissue culture media

(1) Tissue cultures imported in growing media must have been grown in the vessel in which they are imported.

a) The vessel (rigid container, bag or pottle) must be pest-proof and transparent.
b) The growing media or culture media must not contain fungicides or antibiotics.

(2) Tissue cultures must be produced in a facility under conditions that prevent contamination with regulated pests.

1.11.5 Phytosanitary certificate

(1) Consignments must be accompanied by a phytosanitary certificate certifying that the tissue cultures have been inspected in the exporting country in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests and conform with New Zealand's current import requirements.

(2) For plantlets recently removed from in vitro tissue culture, the following additional declaration must be endorsed on the phytosanitary certificate:

a) "These plantlets were removed from the original culture container(s) in which they were grown, not more than 48 hours before export, and have not been in contact with any other growing media."

1.11.6 Post-entry quarantine

(1) Post-entry quarantine (PEQ) is only required if specified in Part 2: 'Targeted requirements' or Part 3: 'Specific requirements'.

(2) Post-entry quarantine must take place in a transitional facility registered in accordance with the Facility Standard: Post-entry Quarantine for Plants PEQ.STD.

(3) If post-entry quarantine is required, the type, level, and minimum period is specified in Part 3.

(4) Tissue cultures must be actively growing throughout the quarantine period.

(5) Tissue cultures must be deflasked into a post-entry quarantine greenhouse for the completion of growing season inspections and testing, unless Part 3 states that they must be held in a post-entry quarantine tissue culture laboratory.

a) For tissue cultures that must be held in a post-entry quarantine tissue culture laboratory for the duration of the PEQ period, the quarantine period will begin when the plants arrive at the PEQ facility and are held under the conditions specified in Part 3 (e.g. temperature requirements). Sub-culturing during the PEQ period must not occur.

(6) For tissue cultures that must be grown in a post-entry quarantine greenhouse, the quarantine period will begin when the plants are deflasked in the greenhouse.

(7) Before deflasking tissue cultures into a post-entry quarantine greenhouse, plantlets may be sub-cultured to enable multiplication of in vitro plant material during the PEQ period, as described below:

a) At least one sub-culture must be developed to the stage where it can be deflasked and transferred to the greenhouse for the completion of growing season inspections and testing. The sub-culture for deflasking must be taken from the first multiplication in which more than one sub-culture is obtained. Traceability must be maintained to the individual imported tissue culture plantlet.

b) Other sub-cultures derived from the same individual imported tissue culture plantlet may be kept in culture at a post-entry quarantine tissue culture laboratory and may be multiplied further during the PEQ period. The level of post-entry quarantine tissue culture laboratory must be the same as (or higher than) that required for the greenhouse plants. A Level 3 post-entry quarantine tissue culture laboratory is suitable for species which require either a Level 3A or 3B post-entry quarantine greenhouse. Provided traceability to the original tissue culture plantlet (and greenhouse plant) is maintained, this progeny may also be given biosecurity clearance.

(8) During the PEQ period, the tissue cultures must be inspected by an MPI inspector and tested as per the requirements detailed in the relevant schedules of Part 2 and Part 3, at the expense of the importer.

Guidance

- The post-entry quarantine period may be extended if:
  - the plants are growing slowly
  - pests or diseases are detected
  - testing or treatment for regulated pests is required.
- Additional testing and/or treatment may be required if pests or diseases are detected, at the expense of the importer.
- A tissue culture laboratory is established for handling and sub-culturing tissue cultures. Tissue cultures may require a period of growth in a tissue culture laboratory to visually confirm that the tissue cultures are free from disease symptoms prior to release or deflasking in a post-entry quarantine greenhouse.
- Prior to deflasking tissue cultures into the post-entry quarantine greenhouse, individual imported tissue culture plantlets may be sub-cultured in accordance with 1.11.6(7) to:
  - enable multiplication of tissue cultured plant material during the PEQ period, and
  - harvest plant tissue for testing and other diagnostic or analytical testing.
- For more information on the requirements for transitional facilities see the Facility Standard: Post-entry Quarantine for Plants PEQ.STD

1.12 General requirements for dormant bulbs

1.12.1 Application

(1) The requirements listed in 1.12 apply to all imported consignments of dormant bulbs.

(2) All plants for planting imported as dormant bulbs must meet the requirements in this section, as well as the relevant requirements of Part 2: "Targeted requirements" and Part 3: "Specific requirements".

1.12.2 Import permit

(1) An import permit is required unless otherwise stated in Part 3.

Guidance

- To apply for a permit, complete the application form available from the MPI website: Permit to Import Nursery Stock or Seed for Sowing – Application form
- The completed form should be submitted through the MPI Online Permits portal.

1.12.3 Labelling

(1) Dormant bulbs must be clearly labelled with their genus and species.

(2) For hybrids, dormant bulbs must be clearly labelled with the genus and species of both parents.

1.12.4 Cleanliness

(1) Materials used to protect, package and ship dormant bulbs must be inert/synthetic.

Guidance

- Coco peat, peat or *Sphagnum* moss used as packaging material for dormant bulbs must comply with the requirements of the Fertilisers and Growing Media of Plant Origin Import health standard in order to be compliant.
- Packaging" should only be used for supporting, protecting, or carrying a commodity as defined in ISPM 5. *Glossary of phytosanitary terms*.
- Consignments contaminated with soil may be treated, reshipped, or destroyed.
- If other extraneous matter is found in the consignment that cannot be readily removed, the consignment may be reshipped or destroyed.

1.12.5 Phytosanitary certificate

(1) Each consignment must be accompanied by a phytosanitary certificate issued by the NPPO in accordance with ISPM 12. *Phytosanitary certificates*.

(2) If visually detectable pests are found that are not listed in this standard, the certifying NPPO must establish their regulatory status before issuing the certificate. This information is available in the Official New Zealand Pest Register (ONZPR). If a visually detectable pest is not listed in ONZPR, the certifying NPPO must contact MPI to establish the regulatory status of the pest.

1.12.6 Measures for *Helicobasidium mompa*

(1) Unless stated otherwise in Part 3, all species imported as dormant bulbs from the following countries must include the following additional declaration on the phytosanitary certificate:

a) "The plants for planting have been produced in a 'pest free area', free from *Helicobasidium mompa*".

Afghanistan	Iraq	Nepal	Syria
Armenia	Israel	Oman	Turkey

Bangladesh	Jordan	Pakistan	United Arab Emirates
Bhutan	Kuwait	Philippines	Vietnam
Brunei	Laos	Saudi Arabia	Yemen
Cambodia	Lebanon	Singapore	
Iran	Myanmar	Sri Lanka	

(2) Unless stated otherwise in Part 3, all species imported as dormant bulbs from the following countries must include the following additional declaration on the phytosanitary certificate:

a) "The dormant bulbs have been produced in a 'pest free area' or 'pest place of production', free from *Helicobasidium mompa*".

Azerbaijan	Kazakhstan	Russia	Turkmenistan
China	Kyrgyzstan	South Africa	Uganda
Georgia	Malawi	South Korea	Uzbekistan
India	Malaysia	Taiwan	
Indonesia	Mongolia	Tajikistan	
Japan	North Korea	Thailand	

1.12.7 Post-entry quarantine

(1) After arriving in New Zealand, all dormant bulbs must undergo a period of growth in post-entry quarantine (PEQ) to check for regulated pests and/or diseases, unless otherwise specified in Part 3.

(2) Post-entry quarantine must take place in a transitional facility approved by the Director-General to the Facility Standard: Post-entry Quarantine for Plants PEQ.STD.

(3) Dormant bulbs must be held in a Level 2 (greenhouse) facility unless a different level is specified in Part 3.

(4) Dormant bulbs must be actively growing throughout the quarantine period.

(5) The quarantine period is a minimum of 3 months unless a different period if specified in Part 3.

(6) During the PEQ period, the dormant bulbs will be inspected and tested as per the requirements detailed in the relevant schedules of Part 2 and Part 3, at the expense of the importer.

Guidance

- The post-entry quarantine period may be extended if:
- the dormant bulbs are growing slowly
- pests or diseases are detected
- testing or treatment for regulated pests is required.
- Additional testing and/or treatment, at the expense of the importer, may be required if pests or diseases are detected.
- For more information on the requirements for transitional facilities see the Facility Standard: Post-entry Quarantine for Plants PEQ.STD
- Facilities that are approved by MPI to provide post-entry quarantine for plants for planting are listed here: Post-entry quarantine facilities for plants

Part 2: Targeted requirements

(1) This Part outlines requirements to manage specific pests on relevant plants for planting.

(2) The requirements in this Part only apply to plants imported under Part 3 that have specific requirements which reference a clause in this Part.

2.1 Measures for *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand)

Guidance

- The only known strain of *Ceratocystis fimbriata* present in New Zealand is the *Ipomoea* strain, which is restricted to members of the *Ipomoea* genus.

(1) The following measures apply to whole plants, cuttings, dormant bulbs, and tubers in Part 3 where this clause (2.1) is referenced.

2.1.1 From countries not recognised by MPI as free from *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand)

Guidance

- The following countries are not recognised by MPI as free from *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand):
  - Australia, Brazil, Canada, China, Colombia, Congo, Costa Rica, Côte d'Ivoire, Cuba, Ecuador, Fiji, Guatemala, India, Indonesia, Jamaica, Japan, Kenya, Malawi, Malaysia, Mexico, Myanmar, Oman, Pakistan, Papua New Guinea, Poland, Samoa, South Africa, Suriname, Taiwan, Tanzania, Thailand, Uganda, United States, Uruguay, Venezuela, Vietnam, Zambia.
- The following countries are not recognised as free from *Ceratocystis alfenasii*:
  - Brazil.
- A list of MPI-approved suppliers of identification services is available at Register of Approved suppliers of Pest ID services

(1) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants have been produced in a state/province free from *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand) or from a Pest Free Place of Production free from *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand)".

(2) The plants must be tested for *Ceratocystis fimbriata sensu lato* (strains not in New Zealand) during the post-entry quarantine period by an MPI-approved supplier of identification and diagnostic services for material in quarantine.

2.1.2 From all other countries

(1) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants have been produced in a country free from *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand)".

2.1.3 From MPI-approved offshore facilities

(1) Specific measures are detailed in the agreement between MPI and the approved facility, or the plants must be tested for *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand) during the post-entry quarantine period by an MPI-approved supplier of identification and diagnostic services for material in quarantine.

2.2 Measures for *Phellinus noxius*

(1) The following measures apply to whole plants including rooted cuttings (not dormant bulbs or unrooted cuttings) in Part 3 where this clause (2.2) is referenced.

2.2.1 From countries not recognised by MPI as free from *Phellinus noxius*

Guidance

The following countries are not recognised by MPI as free from *Phellinus noxius*:

- **Africa:** Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Cote d'Ivoire, Democratic Republic of the Congo, Gabon, Ghana, Kenya, Liberia, Nigeria, Sierra Leone, Tanzania, Togo, Uganda
- **Asia:** Andaman and Nicobar Islands, China, Islands of China, East Indies, India, Indonesia, Islands of Japan, Malay Peninsula, Malaysia, Myanmar, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Vietnam
- **Central America & Caribbean:** Brazil, Costa Rica, Cuba
- **Oceania:** American Samoa, Australia (New South Wales, Queensland), Fiji, Mariana Islands, New Guinea, Papua New Guinea, Samoa, Vanuatu

(1) One of the following additional declarations must be endorsed on the phytosanitary certificate:

a) "The plants were raised from seed/cuttings in soil-less rooting media in containers maintained out of contact with the soil"

OR, for areas approved by MPI

b) "The plants have been produced in a 'pest free area', [insert area name], free from Phellinus noxius"

2.2.2 From all other countries

(1) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants have been produced in a country free from *Phellinus noxius*"

2.3 Measures for *Phytophthora ramorum*

(1) The following measures apply to whole plants, cuttings and dormant bulbs in Part 3 where this clause (2.3) is referenced.

2.3.1 From countries recognised by MPI as free of *Phytophthora ramorum*

Guidance

MPI recognises the following countries as free of *Phytophthora ramorum*:

- Australia
- Israel
- Japan
- South Africa

(1) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants have been produced in a 'pest free area', free from *Phytophthora ramorum*"

2.3.2 From MPI-approved pest free places of production

(1) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants have been produced in an NZ MPI-approved 'pest free place of production' for *Phytophthora ramorum*"

Guidance

- No country presently has an MPI-approved "pest free place of production" programme for *Phytophthora ramorum*.
- Countries wishing to export *Phytophthora ramorum* host material to New Zealand under an MPI-approved pest free place of production are required to develop a 'pest free place of production' programme and present it to MPI for evaluation. Before accepting a programme, MPI will evaluate whether it meets the criteria below:
  - systems to establish and maintain pest freedom;
  - systems to establish and maintain an appropriate buffer zone (as defined by ISPM 10);
  - verification that pest freedom has been attained or maintained. This must include laboratory testing of propagative material, water, soil or other growing media, and other material coming into contact with propagative material; and
  - product identity, consignment integrity and phytosanitary security.

2.3.3 From MPI-approved offshore facilities

(1) Specific measures are detailed in the agreement between MPI and the approved facility.

2.4 Measures for *Xylella fastidiosa*

(1) The following measures apply to plants for planting in Part 3 where this clause (2.4) is referenced.

2.4.1 Whole plants, cuttings and dormant bulbs from countries not recognised by MPI as free from *Xylella fastidiosa*

Guidance

- The following countries are not recognised by MPI as free from *Xylella fastidiosa*:
  - All countries in Europe (except the United Kingdom)
  - All countries in the Americas and the Caribbean
  - China
  - Iran
  - Iraq
  - Israel
  - Lebanon
  - Taiwan
- The full list of countries which are not recognised by MPI as free from *Xylella fastidiosa* can be viewed on the MPI website: https://www.mpi.govt.nz/dmsdocument/15655

(1) An import permit is required.

(2) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants in this consignment have only been grown in, and exported from, a 'pest free area' [insert area name] or 'pest free place of production' [insert place name], which is free from *Xylella fastidiosa"*

(3) The plants must enter post-entry quarantine and must be tested for *Xylella fastidiosa* during the quarantine period by an MPI-approved supplier of identification and diagnostic services for material in quarantine.

a) The minimum post-entry quarantine level is Level 2 unless a higher level is specified in Part 3.
b) The minimum post-entry quarantine period is 6 months unless a longer period is specified in Part 3.
c) Samples must be collected and tested at the end of the summer (or 'summer like') period.
d) The unit for testing is defined in 1.6.1.
e) Plants must be sampled from at least four positions including a minimum of two young, fully expanded leaves at the top of the stem and two older leaves from a midway position.
f) The samples must be tested by PCR for *Xylella fastidiosa*.
g) All samples must test negative.

Guidance

- A list of MPI-approved suppliers of identification services is available at Register of Approved suppliers of Pest ID services.

2.4.2 Whole plants, cuttings and dormant bulbs from all other countries

(1) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The plants in this consignment have only been grown in, and exported from, the country of origin [insert country name], which is free from *Xylella fastidiosa*".

2.4.3 Tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*

Guidance

- The following countries are not recognised by MPI as free from *Xylella fastidiosa*:
  - All countries in Europe (except the United Kingdom)

- All countries in the Americas and the Caribbean
- China
- Iran
- Iraq
- Israel
- Lebanon
- Taiwan

- The full list of countries which are not recognised by MPI as free from *Xylella fastidiosa* can be viewed on the website: https://www.mpi.govt.nz/dmsdocument/15655

(1) An import permit is required.

(2) The following additional declaration must be endorsed on the phytosanitary certificate:

a) "The tissue culture/plants in-vitro in this consignment, and the plants they were derived from, have only been grown in a 'pest free area' [insert area name] or 'pest free place of production' [insert place name], which is free from *Xylella fastidiosa*".

(3) The tissue cultures must enter post-entry quarantine and must be tested for *Xylella fastidiosa* during the quarantine period by an MPI-approved supplier of identification and diagnostic services for material in quarantine.

a) The minimum post-entry quarantine level is Level 2 unless a higher level is specified in Part 3.
b) The minimum post-entry quarantine period is 6 months unless a longer period is specified in Part 3.
c) Samples must be collected and tested at the end of the summer (or 'summer-like') period.
d) The unit for testing is defined in 1.6.1.
e) Plants must be sampled from at least four positions including a minimum of two young, fully expanded leaves at the top of the stem and two older leaves from a midway position.
f) The samples must be tested by PCR for *Xylella fastidiosa*.
g) All samples must test negative.

Guidance

- A list of MPI-approved suppliers of identification services is available at Register of Approved suppliers of Pest ID services.

2.4.4 Tissue cultures from all other countries

(1) If both the tissue cultures and the mother plants have only been grown in the country of origin, and this can be certified by the NPPO of the exporting country, then the following additional declaration must be endorsed on the phytosanitary certificate.

a) "The tissue cultures in this consignment, and the plants they were derived from, have only been grown in the country of origin, [insert country name], which is free from *Xylella fastidiosa*"

(2) If the country of origin of the mother plants is not the same as the country of origin of the tissue cultures, the tissue cultures must meet the requirements for countries not recognised by MPI as free from *Xylella fastidiosa* (2.4.3).

2.4.5 For all plants for planting produced in MPI-approved offshore facilities:

(1) Specific measures are detailed in the agreement between MPI and the MPI-approved offshore facility.

2.5 Measures for phytoplasmas

(1) The following measures are required after 14 March 2025.

a) All consignments with a phytosanitary certificate issued on or after 14 March 2025 must meet the requirements of this section.

(2) The following measures apply to plants for planting in Part 3 where this clause (2.5) is referenced.

Guidance

- The following pathways (plant genus from a specific country) are categorised by MPI as high-certainty pathways:
  - *Anemone* bulbs from Israel and the Netherlands
  - *Narcissus* bulbs from the United Kingdom
  - *Paeonia* bulbs from the Netherlands
  - *Rosa* whole plants and cuttings from Australia, Denmark, France, Germany, Ireland, the Netherlands and the United Kingdom
  - *Alstroemeria*, *Begonia*, *Dahlia*, *Freesia*, *Gladiolus*, *Lilium*, and *Narcissus* bulbs from the Netherlands imported under an MPI-approved propagation scheme
  - *Dianthus caryophyllus* whole plants from the Netherlands imported under an MPI-approved propagation scheme
  - *Alstroemeria* tissue culture from the Netherlands
  - *Gerbera* tissue culture from India
  - *Rosa* tissue culture from Australia, Denmark, France, Germany, Ireland, the Netherlands and the United Kingdom.
- All other pathways are categorised by MPI as low-certainty pathways.

2.5.1 Plants for planting from high-certainty pathways

(1) No additional measures are required for plants for planting from high-certainty pathways.

2.5.2 Whole plants, cuttings and dormant bulbs from low-certainty pathways

(1) An import permit is required for consignments that require a period in post-entry quarantine.

(2) Whole plants, cuttings and dormant bulbs from low-certainty pathways must meet **one** of the following requirements:

a) The following additional declaration must be endorsed on the phytosanitary certificate, naming each phytoplasma identified as a quarantine pest in the relevant schedule of Part 3.

i) "[Insert name of phytoplasma(s)] is absent from [insert exporting country] based on ISPM 8: *Determination of pest status in an area*".

b) The following additional declarations must be endorsed on the phytosanitary certificate, naming each phytoplasma identified as a quarantine pest in the relevant schedule of Part 3:

i) "The [insert plant species name and commodity type (plants/cuttings/bulbs)] were grown at a production site where there is monitoring and control against vectors of [insert name of phytoplasma(s)]".

ii) "The [insert plant species name and commodity type (plants/cuttings/bulbs)] were inspected at the production site during the growing season and found to be free from [insert name of phytoplasma(s)]".

c) The whole plants, cuttings and dormant bulbs must undergo a period of growth in a post-entry quarantine greenhouse.

i) The minimum post-entry quarantine level is Level 2 unless a higher level is specified in Part 3.

ii) The minimum post-entry quarantine period is 6 months unless a longer period is specified in Part 3.
iii) All whole plants, cuttings and bulbs require growing season inspections in post-entry quarantine for symptom expression.

2.5.3 Tissue cultures from low-certainty pathways

(1) An import permit is required for consignments that require a period in post-entry quarantine.

(2) Tissue cultures must meet **one** of the following requirements:

a) For all phytoplasmas identified as quarantine pests in the relevant schedule of Part 3, one of the following additional declarations must be endorsed on the phytosanitary certificate:

i) "[Insert name of phytoplasma(s)] is absent from [insert exporting country] based on ISPM 8: *Determination of pest status in an area*"; or
ii) "The [insert plant species name] tissue cultures derive from parent plants free from [insert name of phytoplasma(s)]".

b) The tissue cultures must undergo a period of growth in a post-entry quarantine greenhouse.

i) The minimum post-entry quarantine level is Level 2 unless a higher level is specified in Part 3.
ii) The minimum post-entry quarantine period is 6 months unless a longer period is specified in Part 3.
iii) All tissue cultures require growing season inspections in post-entry quarantine for symptom expression.

Part 3: Specific requirements

(1) This Part outlines the specific requirements that must be met in addition to the general requirements in Part 1 and relevant targeted requirements in Part 2.

Guidance

- Each schedule in this Part starts with a table providing a general summary of the import requirements for the eligible commodity types (e.g., whole plants) and then provides details of pest-specific and phytosanitary requirements.
- Some commodity types have multiple import options. Requirements from different options cannot be combined to create a customised option.
- Ensure that you read all the requirements for the commodity type and import option that you are using. The general summary tables at the start of each schedule do not include pest-specific or phytosanitary requirements.
- Post-entry quarantine requirements set out in this Part apply instead of the post-entry quarantine requirements in Part 1. For some plants for planting, there is no difference between the post-entry quarantine requirements in this Part and in Part 1, but the requirements are re-stated for clarity.
- For some plants for planting, the requirements in 2.4 'Measures for *Xylella fastidiosa*' and/or 2.5 'Measures for phytoplasmas' require a higher level and/or longer period of post-entry quarantine than is set out in the summaries in this Part.

3.1 Abies

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Abies"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Bursaphelenchus* spp.*, Lophodermium* spp.*, Neonectria neomacrospora*, *Phytophthora capsici, Phytophthora ramorum,* Uredinales
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.1.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.1.2

3.1.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Condition
Phytophthora ramorum	Refer to 2.3

3.1.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

3.2 Acacia — Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Acacia" Suspended species: All species in the genera *Commelina, Duranta, Hedera, Oenanthe, Parthenocissus, Passiflora, Vinca.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved Countries	All
Quarantine Pests	*Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora palmivora*, *Phytophthora ramorum*, tomato chlorotic dwarf viroid, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.2.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.2.2
Tissue cultures	**Option 1**: All tissue cultures (except those of the species *Vinca minor* **without** a pest freedom additional declaration for tomato chlorotic dwarf virus) **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.2.3
	Option 2: Tissue cultures of the species *Vinca minor* **without** a pest freedom additional declaration for tomato chlorotic dwarf virus **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.2.4

3.2.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	Species of the genera *Acacia* and *Passiflora*	Refer to 2.1
Phellinus noxius	*Artemisia capillaris, Artemisia princeps, Duranta repens, Nerium oleander* and all species of the genus *Acacia*	Refer to 2.2
Phytophthora palmivora	Species of the genera *Rosmarinus* and *Salvia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*"
Phytophthora ramorum	Species of the genera *Cornus*, *Hedera* and *Nerium*	Refer to 2.3
Tomato chlorotic dwarf viroid	*Vinca minor*	**Option 1**: **Additional declaration** One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved methodology and found free from tomato chlorotic dwarf viroid"
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.2.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	Species of the genera *Acacia* and *Passiflora*	Refer to 2.1
Phytophthora capsici	Species of the genus *Portulaca*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*"
Phytophthora palmivora	Species of the genus *Rosmarinus* and *Salvia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*"
Phytophthora ramorum	Species of the genera *Cornus*, *Hedera* and *Nerium*	Refer to 2.3
Tomato chlorotic dwarf viroid	*Vinca minor*	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved methodology and found free from tomato chlorotic dwarf viroid"
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.2.3 Tissue cultures option 1

(1) This option applies to tissue cultures except:

a) those of the species *Vinca minor* without a pest freedom additional declaration for tomato chlorotic dwarf viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	*Vinca minor*	**Option 1**: **Additional declaration** One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved methodology and found free from tomato chlorotic dwarf viroid"
Xylella fastidiosa	All species	Refer to 2.4

3.2.4 Tissue cultures option 2

(1) This option applies to tissue cultures of the species *Vinca minor* without a pest freedom additional declaration for tomato chlorotic dwarf virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	*Vinca minor*	Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.3 Acer

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Acer"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved Countries	All
Quarantine Pests	*Cryphonectria parasitica*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Option 1**: Whole plants and cuttings **with** pest freedom additional declarations for *Cryphonectria parasitica* and *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.3.1
	Option 2: Whole plants and cuttings **without** pest freedom additional declarations for *Cryphonectria parasitica* and *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.3.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.3.3

3.3.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings with pest freedom additional declarations for *Cryphonectria parasitica* and *Phytophthora palmivora*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Cryphonectria parasitica	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • *"Cryphonectria parasitica* is not known to occur in [the country or state where the plants/cuttings were produced]"

Pest	Applies to	Condition
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.3.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings without pest freedom additional declarations for *Cryphonectria parasitica* and *Phytophthora palmivora*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.3.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.4 Acrocomia — Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.05 under Acrocomia" Suspended species: All species in the genera *Acanthophoenix, Acoelorrhaphe, Acrocomia, Actinokentia, Actinorhytis, Aiphanes, Allagoptera, Archontophoenix, Areca, Arenga, Arikuryroba, Astrocaryum, Attalea, Bactris, Bacularia, Balaka, Beccariophoenix Bismarckia, Borassodendron, Borassus, Brahea, Brassiophoenix, Brongniartikentia, Butia, Calamus, Calyptrocalyx, Calyptrogyne, Calyptronoma, Carpentaria, Carpoxylon, Caryota, Catoblastus, Ceroxylon, Chamaerops, Chrysalidocarpus, Chuniophoenix, Clinosperma, Clinostigma, Coccothrinax, Cocos, Colpothrinax, Copernicia, Corypha, Cryosophila, Cyrtostachys, Deckenia, Dictyocaryum, , Dictyosperma, Drymophloeus, Elaeis, Eminium, Erythea, Gastrococos, Gaussia, Gibasis, Gronophyllum, Guihaia, Gulubia, Halmoorea, Hedyscepe, Hyophorbe, Hyphaene, Iriartea, Jessenia, Johannesteijsmannia, Juania, Jubaea, Jubaeopsis, Kentia, Laccospadix, Latania, Lemurophoenix, Lepidorrhachis, Linospadix, Livistona, Loeselia, Lytocaryum, Mackeea, Manicaria, Mascarena, Masoala, Mauritia, Mauritiella, Maximiliana, Metroxylon, Microcoelum, Microkentia, Nannorrhops, Neodypsis, Neoveitchia, Nephrosperma, Normanbya, Nypa, Oenocarpus, Oncosperma, Opsiandra, Orania, Oraniopsis, Orbignya, Parajubaea, Paurotis, Pelagodoxa, Phloga, Phoenicophorium, Pholidocarpus, Physokentia, Phytelephas, Pigafetta, Plectocomia, Polyandrococos, Prestoea, Pseudophoenix, Ptychococcus, Ptychoraphis, Ptychosperma, Raphia, Ravenea, Reineckia, Reinhardtia, Rhapidophyllum, Rhopaloblaste, Roscheria, Roystonea, Sabal, Salacca, Satakentia, Satranala, Scheelea, Schippia, Seaforthia, Serenoa, Socratea, Sommieria, Syagrus, Synechanthus, Thrinax, Trachycarpus, Trithrinax, Veillonia, Veitchia, Verschaffeltia, Voaniola, Vonitra, Wallichia, Washingtonia, Wettinia, Wodyetia.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Hawaii, mainland United States of America Suspended countries: Australia for imports of *Burretiokentia* and *Euterpe*.
Quarantine pests	Cadang-cadang, *Ceratocystis fimbriata*, lethal yellowing, *Phellinus noxius*, *Phytophthora palmivora*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.4.1
Cuttings	**Import permit:** Required **PEQ:** Level 2 **Minimum period:** 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions:** Refer to 3.4.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.4.3

3.4.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

(3) Plants must not exceed 1.5 m in height.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Cadang-cadang and lethal yellowing	All genera	The following additional declaration must be endorsed on the phytosanitary certificate: • "Cadang cadang and lethal yellowing are not known to occur in [the country or state where the plants were grown]"
Ceratocystis fimbriata	All species of the *Metroxylon* genus	Refer to 2.1
Phellinus noxius	*Areca catechu*, *Areca triandra*, *Chrysalidocarpus lutescens*, *Coco nucifera*, *Elaeis guineensis*, *Roystonea regia*	Refer to 2.2
Phytophthora palmivora	Approved species of the genera *Archontophoenix*, *Areca*, *Bactris*, *Borassus*, *Chamaedorea*, *Chrysalidocarpus*, *Cocos*, *Elaeis*, *Howea*, *Livistona*, *Phoenix*, *Rhopalostylis*, *Sabal*, *Syagrus*, *Trachycarpus*, *Washingtonia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora"*
Xylella fastidiosa	Approved species of the *Phoenix genus*	Refer to 2.4

3.4.2 Cuttings

(1) General requirements for cuttings are set out in 1.10

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Cadang-cadang and lethal yellowing	All genera	The following additional declaration must be endorsed on the phytosanitary certificate: • "Cadang cadang and lethal yellowing are not known to occur in [the country or state where the plants were grown]"
Ceratocystis fimbriata	All species of the *Metroxylon* genus	Refer to 2.1
Phytophthora palmivora	Approved species of the genera *Archontophoenix*, *Areca*, *Bactris*, *Borassus*, *Chamaedorea*, *Chrysalidocarpus*, *Cocos*, *Elaeis*, *Howea*, *Livistona*, *Phoenix*, *Rhopalostylis*, *Sabal*, *Syagrus*, *Trachycarpus*, *Washingtonia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora"*
Xylella fastidiosa	Approved species of the *Phoenix genus*	Refer to 2.4

3.4.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Cadang-cadang and lethal yellowing	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Cadang cadang and lethal yellowing are not known to occur in [the country or state where the plants were grown]"
Xylella fastidiosa	All species of the *Phoenix* genus	Refer to 2.4

3.5 Adenium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Adenium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma australasiaticum"
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.5.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.5.2

3.5.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum"	All species	Refer to 2.5

3.5.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum"	All species	Refer to 2.5

3.6 Aesculus

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Aesculus" Suspended species: All species in the genera *Aesculus Calycanthus, Heteromeles, Lonicera, Pyracantha, Rhamnus, Rhus, Umbellularia.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Phellinus noxius*, *Phytophthora palmivora*, *Phytophthora ramorum*, tomato chlorotic dwarf viroid, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.6.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.6.2
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for tomato chlorotic dwarf viroid **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.6.3
	Option 2: Tissue cultures **without** a pest freedom additional declaration for tomato chlorotic dwarf viroid **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.6.4

3.6.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phellinus noxius	*Fraxinus griffithii*, *Rhus succedanea*	Refer to 2.2

Pest	Applies to	Condition
Phytophthora palmivora	Approved species of the genus *Syringa*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora"*
Phytophthora ramorum	All species	Refer to 2.3
Tomato chlorotic dwarf viroid	*Pittosporum tobira*	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where *Tomato chlorotic dwarf viroid* is not known to occur" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Tomato chlorotic dwarf viroid*"
		Option 2: **Testing in PEQ** Testing with PCR-based methods in PEQ.
Xylella fastidiosa	All species	Refer to 2.4

3.6.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora palmivora	Approved species of the genus *Syringa*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora"* **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora"*
Phytophthora ramorum	All species	Refer to 2.3
Tomato chlorotic dwarf viroid	*Pittosporum tobira*	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where *Tomato chlorotic dwarf viroid* is not known to occur" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Tomato chlorotic dwarf viroid*"
		Option 2: **Testing in PEQ** Testing with PCR-based methods in PEQ.
Xylella fastidiosa	All	Refer to 2.4

3.6.3 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for tomato chlorotic dwarf viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	*Pittosporum tobira*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from tomato chlorotic dwarf viroid"
Xylella fastidiosa	All species	Refer to 2.4

3.6.4 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	*Pittosporum tobira*	Testing in PEQ with PCR-based methods.
Xylella fastidiosa	All species	Refer to 2.4

3.7 Allium

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Allium" Suspended species: All
Approved commodities	Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Refer to Appendix 5: Allium regulated pests (actionable)
Tissue cultures	**Import permit**: Required **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.7.1
Dormant bulbs	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.7.2

3.7.1 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Allium* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • produced in a 'pest free area' (country freedom) free from the organisms listed below: **Bacteria:** – *Xylella fastidiosa* (Refer to 2.4) **Phytoplasmas:** – Aster yellows phytoplasma, Garlic decline phytoplasma and Onion yellows phytoplasma. **Viruses:** – Garlic dwarf virus, Garlic mite-borne latent virus, Garlic virus X, Onion mite-borne latent virus, Shallot yellow stripe virus, Sint-Jan's onion latent virus and Tobacco rattle virus.

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declaration to the phytosanitary certificate: • "The *Allium* tissue cultures in this consignment have been produced in a 'pest free area' (country freedom), free from regulated bacteria (*Xylella fastidiosa)*, phytoplasmas (Aster yellows phytoplasma, Garlic decline phytoplasma and Onion yellows phytoplasma) and viruses (Garlic dwarf virus, Garlic mite-borne latent virus, Garlic virus X, Onion mite-borne latent virus, Shallot yellow stripe virus, Sint-Jan's onion latent virus and Tobacco rattle virus)."

Guidance

- Where the pre-export phytosanitary requirements (above) cannot be met, a request for assessment of equivalent phytosanitary status can be made to MPI.

3.7.2 Dormant bulbs

(1) General requirements for tissue cultures are set out in 1.12.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 6 months
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Allium* dormant bulbs have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • produced in a 'pest free area' (country freedom) free from the organisms listed below: **Phytoplasmas** – Aster yellows phytoplasma, Garlic decline phytoplasma, Onion yellows phytoplasma **Viruses** – Garlic dwarf virus, Garlic mite-borne latent virus, Garlic virus X, Onion mite-borne latent virus, Shallot yellow stripe virus, Sint-Jan's onion virus, Tobacco rattle virus **Bacteria** – *Burkholderia cepacia*, *Erwinia chrysanthemi* pv. *Chrysanthemi*, *Pseudomonas xanthochlora* and *Xylella fastidiosa* **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** (choose one) – produced in a 'pest free area' (country freedom), free from regulated nematodes and fungi. **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by endorsing the following additional declarations to the phytosanitary certificate: "The *Allium* dormant bulbs in this consignment have been sourced: • from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable]. **AND** • from a 'pest free area' (country freedom), free from regulated phytoplasmas (Aster yellows phytoplasma, Garlic decline phytoplasma and Onion yellows phytoplasma), viruses (Garlic dwarf virus, Garlic mite-borne latent virus, Garlic virus X, Onion mite-borne latent virus, Shallot yellow stripe virus, Sint-Jan's onion latent virus and Tobacco rattle virus), and bacteria (*Erwinia chrysanthemi* pv. *Chrysanthemi*, *Burkholderia cepacia* and *Pseudomonas xanthochlora*)."

Pest	Applies to	Condition
Phytophthora capsici and *Phytophthora palmivora*	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici* and *P. palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici* and *P. palmivora*". **OR** • "The [insert species name] plants in this consignment produced in a 'pest free place of production' for *Phytophthora capsici* and *P. palmivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.8 Alnus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Alnus”
Approved commodities	Whole plants Cuttings Tissue cultures
Approved Countries	All
Quarantine Pests	*Phytophthora alni*, Phytoplasma 16SrV-C “Flavescence dorée”, Phytoplasma 16SrV-D “Flavescence dorée”, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.8.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.8.2
Tissue cultures	**Import permit**: Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.8.3

3.8.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora alni	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants were produced in [insert country name], which is free from *Phytophthora alni*." **OR** • "The [insert species name] plants were produced in a 'pest free area' free from *Phytophthora alni*." **OR** • “The [insert species name] plants were produced in a 'pest free place of production' free from *Phytophthora alni*."

Phytoplasma 16SrV-C "Flavescence dorée", Phytoplasma 16SrV-D "Flavescence dorée"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.8.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora alni	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants were produced in [insert country name], which is free from *Phytophthora alni*." **OR** • "The [insert species name] plants were produced in a 'pest free area' free from *Phytophthora alni*." **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Phytophthora alni*."
Phytoplasma 16SrV-C "Flavescence dorée", Phytoplasma 16SrV-D "Flavescence dorée"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.8.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytoplasma 16SrV-C "Flavescence dorée", Phytoplasma 16SrV-D "Flavescence dorée"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.9 Alocasia

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Alocasia" Suspended species: *Ostrya carpinifolia* and all species in the genera *Ceratonia*, *Chimaphila*, *Corylopsis*, *Distylium*, *Empetrum*, *Gevuina*, *Manglietia*, *Schizolobium*, *Schotia*, *Styrax*, *Zenobia*.
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All countries unless otherwise specified Suspended species: all species of the genus *Xanthosoma* imported from Cameroon, Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Indonesia, Nigeria, São Tomé and Príncipe, Togo
Quarantine pests	*Ceratocystis fimbriata*, *Phytophthora ramorum*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.9.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11
Dormant bulbs	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.9.2

3.9.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the genera *Alocasia*, *Betula*, *Protea*, *Schizolobium*, *Schotia*, *Spathodea*, *Styrax*, *Syngonium*, *Tilia*, *Xanthosoma* AND the species *Ostrya carpinifolia*	Refer to 2.1

Pest	Applies to	Condition
Phytophthora ramorum	All species of the genera *Betula*, *Buddleja*, *Ceratonia*, *Chimaphila*, *Choisya*, *Corylopsis*, *Distylium*, *Empetrum*, *Garrya*, *Gevuina*, *Manglietia*, *Tilia*, *Zenobia*	Refer to 2.3

3.9.2 Dormant bulbs

(1) General requirements for dormant bulbs are set out in 1.12.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the genera *Alocasia*, *Betula*, *Protea*, *Schizolobium*, *Schotia*, *Spathodea*, *Styrax*, *Syngonium*, *Tilia*, *Xanthosoma* AND the species *Ostrya carpinifolia*	Refer to 2.1
Phytophthora ramorum	All species of the genera *Betula*, *Buddleja*, *Ceratonia*, *Chimaphila*, *Choisya*, *Corylopsis*, *Distylium*, *Empetrum*, *Garrya*, *Gevuina*, *Manglietia*, *Tilia*, *Zenobia*	Refer to 2.3

3.10 Alstroemeria

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Alstroemeria"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	**For all commodities** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America **For tissue cultures** India, South Africa
Quarantine pests	Broad bean wilt virus 2, *"Candidatus* Phytoplasma solani", *Frankliniella occidentalis*, *Liriomyza* spp., Phytoplasma 16SrI – aster yellows
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.10.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.10.2
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Naktuinbouw Elite certification scheme **Import permit**: Not required **PEQ:** Not required **Special conditions**: Refer to 3.10.3
	Option 2: Dormant bulbs produced with a growing season inspection **Import permit:** Not required, unless required by measures for phytoplasmas **PEQ:** Not required, unless required by measures for phytoplasmas **Special conditions:** Refer to 3.10.4
	Option 3: All dormant bulbs **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.10.5

3.10.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Frankliniella occidentalis and *Liriomyza*	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.10.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Broad bean wilt virus 2	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in tissue culture in this consignment have been produced in a 'pest free area', where Broad bean wilt virus 2 is not known to occur" **OR** • "The [insert plant species] plants in tissue culture in this consignment derive from plants that were tested by [PCR or ELISA] and found free from *Broad bean wilt virus 2*."
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.10.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Naktuinbouw Elite certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the Naktuinbouw Elite (Class SEE or EE) or Select (Class A or E) [choose one] bulb certification scheme."

3.10.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs

a) produced with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.10.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.11 Ananas

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Ananas"
Approved commodities	Tissue cultures Suspended commodities: Whole plants and cuttings
Approved countries	All
Quarantine pests	*Ceratocystis fimbriata*, *Dickeya zeae*, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi* (strains not in New Zealand), *Phytophthora megakarya*, *Phytophthora palmivora*
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.11.1

3.11.1 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • All plants must be inspected for signs and symptoms of pests and diseases at least twice per week throughout the entire quarantine period (including dormancy). • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal. • Any debris on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any bacterial, fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 3 months **Inspection, testing and treatment requirements:** • Tissue cultures must be deflasked into the greenhouse and grown for a minimum of 3 months of active growth. Each plant must produce 5 new leaves after deflasking in post-entry quarantine.

Pest	Applies to	Condition
Dickeya zeae, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi* and *Phytophthora megakarya*	All species	**Option 1: Offshore mother plant testing** The Ananas tissue cultures must be: • inspected by the exporting NPPO in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • derived from mother plants tested and found to be free of *Dickeya zeae*, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi*, and *Phytophthora megakarya* **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declaration to the phytosanitary certificate: • "The Ananas tissue cultures have been derived from mother plants tested and found to be free of *Dickeya zeae*, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi*, and *Phytophthora megakarya*."
		Option 2: Onshore testing of plants in post-entry quarantine The Ananas tissue cultures must be: • inspected by the exporting NPPO in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • tested and found free from *Dickeya zeae*, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi*, and *Phytophthora megakarya* while in post-entry quarantine in New Zealand, using the following methods: – Growing season inspection in PEQ for disease symptom expression **AND** – PCR **or** plating on selective media

Guidance

- It is recommended that a heat mat is used to warm the plant root zone, to ensure plant growth under winter conditions.

3.12 Andromeda Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Andromeda" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Chrysomyxa ledi*, *Microsphaera* spp.
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.12.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general conditions in 1.11

3.12.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Chrysomyxa ledi and *Microsphaera* spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • *"Chrysomyxa ledi* and *Microsphaera* spp. are not known to occur in [country or state of where the plants were grown]" **OR** • "The plants – were inspected during the growing season and no *Chrysomyxa ledi* or *Micrsphaera* spp. was detected. **AND** – have been dipped prior to export in propiconazole at the rate of 0.5g a.i. per litre of water."

3.13 Anemone

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Anemone"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	Phytoplasma 16SrI – aster yellows, Urendinales
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.13.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.13.2
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.13.3
	Option 2: All dormant bulbs **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.13.4

3.13.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on [host species being imported] in [country in which plants were grown]".
Phytoplasma 16SrI – aster yellows	Species of the genus *Anemone*	Refer to 2.5

3.13.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	Species of the genus *Anemone*	Refer to 2.5

3.13.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	Species of the genus *Anemone*	Refer to 2.5

3.13.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	Species of the genus *Anemone*	Refer to 2.5

3.14 Anthurium

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Anthurium" Suspended species: All species in the genera *Enkianthus* and *Linum.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Phytophthora capsici*, *Ralstonia pseudosolanacearum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Option 1.1**: Whole plants and cuttings, except those of the genus *Anthurium* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.14.1
	Option 1.2: Whole plants and cuttings of the genus *Anthurium* **with** pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.14.1
	Option 2: Whole plants and cuttings of the genus *Anthurium* **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.14.2
Tissue cultures	**Option 1.1**: Tissue cultures, except those of the genus *Anthurium* **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.14.3
	Option 1.2: Tissue cultures of the genus *Anthurium* **with** pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.14.3
	Option 2: Tissue cultures of the genus *Anthurium* **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.14.4

3.14.1 Whole plants, Cuttings option 1 (both 1.1 and 1.2)

(1) This option applies to whole plants and cuttings except:

a) whole plants and cuttings of the genus *Anthurium* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "the [insert plants name] in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Ralstonia pseudosolanacearum	Species of the genus *Anthurium*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "the [insert plants name] in this consignment were produced in a 'pest free area' for *Ralstonia pseudosolanacearum*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Xylella fastidiosa	Species of the genus *Ocimum*	Refer to 2.4

3.14.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings of the genus *Anthurium* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	Species of the genus *Anthurium*	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR

3.14.3 Tissue cultures option 1 (both 1.1 and 1.2)

(1) This option applies to tissue cultures except:

a) tissue culture of the genus *Anthurium* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	Species of the genus *Anthurium*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "the [insert plants name] in this consignment were produced in a 'pest free area' for *Ralstonia pseudosolanacearum*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Xylella fastidiosa	Species of the genus *Ocimum*	Refer to 2.4

3.14.4 Tissue cultures option 2

(1) This option applies to tissue culture of the genus *Anthurium* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	Species of the genus *Anthurium*	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR

3.15 Anubias

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Anubias" Suspended species: All species in the genera *Aponogeton, Barclaya, Isoetes, Nuphar*.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Leeches, snails, snail eggs, worms
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.15.1 below
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.15.1 Whole plants, Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Phytosanitary requirements	Each aquarium must be: • clear sided. • clearly labelled as follows: **QUARANTINE AQUARIUM** **MPI Registration Number:** **Name of Quarantine Operator:** • placed in a watertight tray, the bottom of which must contain a dilute solution of copper sulphate (5 parts per million or a small grain of copper sulphate crystal in a litre of water). • inside a building which can be secured. • at least 5m away from a non-quarantine aquarium.
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants were inspected immediately prior to export and no snails, snail eggs, worms or leeches were detected in a 600 unit sample".

3.16 Araucaria

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Araucaria" Suspended species: All species in the genera *Adenanthera, Aleurites, Anacardium, Annona, Aralia, Averrhoa, Azadirachta, Bauhinia, Boehmeria, Bombax, Breynia, Broussonetia, Calophyllum, Cananga, Casuarina, Delonix, Elaeocarpus, Leucaena, Melia, Morinda, Rhaphiolepis, Samanea, Stenocarpus, Tabebuia, Terminalia, Thevetia.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.16.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.16.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.16.3

3.16.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	Species of the genus *Annona*	Refer to 2.1
Phellinus noxius	All species	Refer to 2.2

Pest	Applies to	Condition
Phytophthora capsici	Species of the genus *Piper*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species of the following genera: *Aleurites*, *Anacardium*, *Annona*, *Azadirachta*, *Bougainvillea*, *Pachira* and *Piper*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	Species of the genus *Annona*	Refer to 2.3
Xylella fastidiosa	Species of the genus *Broussonetia*	Refer to 2.4

3.16.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	Species of the genus *Annona*	Refer to 2.1
Phytophthora capsici	Species of the genus *Piper*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*".

Pest	Applies to	Condition
		OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species of the following genera: *Aleurites*, *Anacardium*, *Annona*, *Azadirachta*, *Bougainvillea*, *Pachira* and *Piper*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	Species of the genus *Annona*	Refer to 2.3
Xylella fastidiosa	Species of the genus *Broussonetia*	Refer to 2.4

3.16.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	Species of the genus *Broussonetia*	Refer to 2.4

3.17 Arbutus

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Arbutus" Suspended species: All species in the genera *Arbutus, Ardisia, Clintonia, Drimys, Dryopteris, Euonymus, Hamamelis, Leucothoe, Maianthemum, Parrotia, Schima, Smilacina, Torreya, Trientalis.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Phellinus noxius*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.17.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.17.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.17.3

3.17.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months (refer to 2.4)

Pest	Applies to	Condition
Phellinus noxius	All species of the following genera: *Michelia compressa*, *Michelia figo*, *Osmanthus fragrans*, and approved species of the *Cinnamomum* genus	Refer to 2.2
Phytophthora palmivora	Species of the genus *Magnolia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert

Pest	Applies to	Condition
		country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species of the following genera: *Arbutus*, *Arctostaphylos*, *Cinnamomum*, *Laurus*, *Magnolia*, *Osmanthus*, *Pieris*	Refer to 2.4

3.17.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months (refer to 2.4)

Pest	Applies to	Condition
Phytophthora palmivora	Species of the genus *Magnolia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species	Refer to 2.3.
Xylella fastidiosa	All species of the following genera: *Arbutus*, *Arctostaphylos*, *Cinnamomum*, *Laurus*, *Magnolia*, *Osmanthus*, *Pieris*	Refer to 2.4

3.17.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species of the following genera: *Arbutus*, *Arctostaphylos*, *Cinnamomum*, *Laurus*, *Magnolia*, *Osmanthus*, *Pieris*	Refer to 2.4

3.18 Aronia

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Aronia" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Gymnosporangium clavipes*, *Gymnosporangium globosum*
Whole plants, Cuttings	**Option 1**: Whole plants and cuttings **with** pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.18.1
	Option 2: Whole plants and cuttings **without** pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.18.2
Tissue cultures	**Option 1**: Tissue cultures **with** pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.18.3
	Option 2: Tissue cultures **without** pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.18.4

3.18.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings with pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The plants have been dipped in propiconazole at the rate of 0.5 g a.i. per litre of water prior to export".

Pest	Applies to	Condition
Gymnosparangium clavipes and *Gymnosporangium globosum*	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Gymnosporangium clavipes* and *Gymnosporangium globosum* are not known to occur on [host species being imported] in [the country or state in which the plants were grown]".

3.18.2 Whole plants, Cuttings option 2

(1) This option is for whole plants and cuttings without pest freedom declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 3 months

3.18.3 Tissue cultures option 1

(1) This option applies to tissue cultures with pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 6 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water prior to export".

Pest	Applies to	Condition
Gymnosparangium clavipes and *Gymnosporangium globosum*	All species	The following additional declaration must be endorsed on the phytosanitary certificate • "*Gymnosporangium clavipes* and *Gymnosporangium globosum* are not known to occur on [host species being imported] in [the country or state in which the plants were grown]".

3.18.4 Tissue cultures option 2

(1) This option applies to tissue cultures without pest freedom additional declarations for *Gymnosparangium clavipes* and *Gymnosporangium globosum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 3 months

3.19 Artemisia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Artemisia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved Countries	All
Quarantine Pests	'Candidatus Phytoplasma solani', *Phellinus noxius*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.19.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.19.2
Tissue cultures	**Import permit**: Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.19.3

3.19.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'Candidatus Phytoplasma solani'	All species	Refer to 2.5
Phellinus noxius	*Artemisia capillaris, Artemisia princeps*	Refer to 2.2
Xylella fastidiosa	All species	Refer to 2.4

3.19.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'Candidatus Phytoplasma solani'	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.19.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'Candidatus Phytoplasma solani'	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.20 Artocarpus

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Artocarpus" Suspended species: All
Approved commodities	Tissue cultures
Approved countries	All
Quarantine pests	*Phellinus noxius*
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.21 Arum

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Arum" Suspended species: All species in the genera *Arum, Bellevalia, Brodiaea, Calydorea, Cyrtanthus, Eranthis, Eucharis, Galaxia, Haemanthus, Hesperantha, Kaempferia, Ledebouria, Leucocoryne, Leucojum, Micranthus, Moraea, Nomocharis, Onixotis, Prospero, Romulea, Scadoxus, Sternbergia, Synnotia, Zephyranthes.*
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.21.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.21.2
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.21.3
	Option 2: Dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.21.4
	Option 3: Dormant bulbs with a growing season inspection from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.21.5

	Option 4: Dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: None, refer to general requirements in 1.12

3.21.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

3.21.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

3.21.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop form which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.21.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

3.21.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declarations must be endorsed on the phytosanitary certificate: • "The dormant bulbs in this consignment have been: – derived form a crop which was inspected during the growing season according to appropriate procedure and found to be free of regulated pests. **AND** – treated for regulated insects described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

3.22 Asparagus

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Asparagus" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Puccinia asparagi*, virus diseases, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.22.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.22.2

3.22.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.22.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.23 Aster

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Aster" Suspended species: All species in the following genus *Symphyotrichium.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	Aster yellows phytoplasma, Uredinales
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.23.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.23.2

3.23.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Aster yellows phytoplasma	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Aster yellows phytoplasma is not known to occur in [the country or state where the plants were grown]"

3.23.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Pest	Applies to	Condition
Aster yellows phytoplasma	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested or inspected and found free of Aster yellows phytoplasma".

3.24 Begonia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Begonia"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Phytoplasma 16SrIII – X-disease, virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.24.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.24.2
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.24.3
	Option 2: Dormant bulbs produced with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit:** Not required, unless required by measures for phytoplasmas **PEQ:** Not required, unless required by measures for phytoplasmas **Special conditions:** Refer to 3.24.4
	Option 3: All dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.24.5
	Option 4: Dormant bulbs with a growing season inspection and treated as per Appendix 4 from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.24.6

	Option 5: Dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.24.7

3.24.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrIII - X-disease	Species of the genus *Begonia*	Refer to 2.5

3.24.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."
Phytoplasma 16SrIII - X-disease	Species of the genus *Begonia*	Refer to 2.5

3.24.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required

Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the BKD Class 1 bulb certification scheme."

3.24.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) produced with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Phytoplasma 16SrIII - X-disease	Species of the genus *Begonia*	Refer to 2.5

3.24.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrIII - X-disease	Species of the genus *Begonia*	Refer to 2.5

3.24.6 Dormant bulbs option 4

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

Pest	Applies to	Condition
Phytoplasma 16SrIII - X-disease	Species of the genus *Begonia*	Refer to 2.5

3.24.7 Dormant bulbs option 5

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrIII - X-disease	Species of the genus *Begonia*	Refer to 2.5

3.25 Berberis

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Berberis" Suspended species: All species in the following genus *Mahonia.*
Approved commodities	Whole plants (dormant) Cuttings (dormant)
Approved countries	All
Quarantine pests	*Phytophthora ramorum*, Uredinales, *Xylella fastidiosa*
Whole plants (dormant), Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 2 **Minimum Period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special Conditions**: Refer to 3.25.1

3.25.1 Whole plants (dormant), Cuttings (dormant)

(1) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3
Uredinales	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "The plants were inspected during the previous growing season and no rust diseases were detected" **AND** • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water"
Xylella fastidiosa	All species of the *Berberis* genus	Refer to 2.4

3.26 Bidens

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Bidens"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.26.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.26.2

3.26.1 Whole plants, Cuttings

(3) General requirements for whole plants and cuttings are set out in 1.10.

(4) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in Furalaxyl at the rate of 0.25g a.i. per litre of water"

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.26.2 Tissue cultures

(5) General requirements for tissue cultures are set out in 1.11.

(6) Specific requirements are detailed below.

Import permit	May be required (refer to 2.4)
Post-entry quarantine	May be required (refer to 2.4)

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.27 Bowenia

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Bowenia" Suspended species: All species in the genera *Ceratozamia* and *Lepidozamia.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All **except** Australia and Italy
Quarantine pests	*Demyrsus meleoides*
Whole plants, Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.27.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.27.1 Whole plants, Cuttings (dormant)

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months
Phytosanitary requirements	A minimum of 600 plants are to be inspected during each inspection in post-entry quarantine

3.28 Brachyscome

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Brachyscome"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Phytoplasma 16SrI – aster yellows
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.28.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.28.2

3.28.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.28.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.29 Caladium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Caladium"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Caladium virus X
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.29.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.29.2
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.29.3
	Option 2: All dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.29.4
	Option 3: Dormant bulbs with a growing season inspection and treated as per Appendix 4 from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.29.5
	Option 4: All dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: None, refer to general requirements in 1.12

3.29.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

3.29.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock free of Caladium virus X"

3.29.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop form which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.29.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	Level 1

Minimum period	3 months

3.29.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	Level 1
Minimum period	3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs in this consignment have been: – derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** – treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

3.30 Calanthe

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Calanthe" Suspended species: All species in the genera *Grandiphyllum, Nohawilliamsia, Satyrium, Thelymitra*.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Orchid fleck dichorhavirus*, *Phytophthora capsici*, *Phytophthora palmivora*, *Tetranychus kanzawai*, Uredinales
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 12 months **Special conditions**: Refer to 3.30.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.30.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 12 months

Pest	Applies to	Condition
Orchid fleck dichorhavirus	All species of the following genera: *Calanthe*, *Cattleya*, *Odontoglossum*, *Oncidium*, *Phaius*, *Schomburgkia* and *Stanhopea*	Growing season inspection in PEQ for symptom expression
Phytophthora capsici	All species of the *Vanilla* genus	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in a [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici"* **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici"*
Phytophthora palmivora	All species of the *Epidendrum* and *Vanilla* genera	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in a [insert country name], which is free from *Phytophthora palmivora*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora"*
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water prior to export"

3.31 Camellia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Camellia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Phellinus noxius*, *Phytophthora ramorum*, *Tetranychus kanzawai*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.31.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.31.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.31.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

(3) All visible flower buds must be removed prior to export.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in prochloraz at the rate of 0.5g a.i. per litre of water".

Pest	Applies to	Condition
Phellinus noxius	*Camellia japonica*	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3

3.31.2 Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

(3) All visible flower buds must be removed prior to export.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in prochloraz at the rate of 0.5g a.i. per litre of water".

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3

3.32 Camellia sinensis

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Camellia sinensis"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Afghanistan, Armenia, Azerbaijan, Bangladesh, Bhutan, Brunei, Cambodia, China, Georgia, India, Indonesia, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Laos, Lebanon, Malaysia, Mongolia, Myanmar, Nepal, North Korea, Oman, Pakistan, Philippines, Saudi Arabia, Singapore, South Korea, Sri Lanka, Syria, Taiwan, Tajikistan, Thailand, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan, Vietnam, Yemen
Quarantine pests	*Exobasidium vexans*, *Phellinus noxius*, Phloem necrosis, *Phytophthora ramorum*, *Tetranychus kanzawai*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.32.1
Cuttings	**Import permit:** Required **PEQ:** Level 3B **Minimum period**: 3 months **Special conditions:** Refer to 3.32.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.32.3

3.32.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

Pest	Applies to	Condition
Phellinus noxius	All species	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3

3.32.2 Cuttings

(1) General requirements for cuttings are set out in 1.10

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3

3.32.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.33 Canna

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Canna"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Virus diseases, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.33.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.33.2
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection from Australia and South Africa **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.33.3
	Option 2: Dormant bulbs from Australia and South Africa **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.33.4
	Option 3: Dormant bulbs with a growing season inspection and treated as per Appendix 4 from countries recognised as free from *Xylella fastidiosa* **other than** Australia and South Africa. **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.33.5
	Option 4: Dormant bulbs from countries **other than** Australia and South Africa **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.33.6

3.33.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.33.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases"
Xylella fastidiosa	All species	Refer to 2.4

3.33.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia and South Africa:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.33.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia and South Africa.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.33.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from countries recognised as free from *Xylella fastidiosa* **other than** Australia and South Africa:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Phytosanitary requirements	Dormant bulbs must be treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on this phytosanitary certificate: • "The dormant bulbs in this consignment have been derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests".

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.33.6 Dormant bulbs option 4

(1) This option applies to dormant bulbs from countries **other than** Australia and South Africa.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	**Import permit**: Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.34 Carica

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Carica" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Papaya mosaic virus, papaya ringspot virus, *Phytophthora capsici*, *Phytophthora palmivora*
Whole plants, Cuttings	**Option 1**: Whole plants and cuttings with pest freedom additional declarations for papaya mosaic virus, papaya ringspot virus, *Phytophthora capsici* and *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.34.1
	Option 2: All whole plants and cuttings **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.34.2
Tissue cultures	**Option 1**: Tissue cultures with an additional declaration of freedom from papaya mosaic virus and papaya ringspot virus **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.34.3
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.34.4

3.34.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings with pest freedom additional declarations for papaya mosaic virus, papaya ringspot virus, *Phytophthora capsici* and *Phytophthora palmivora*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Papaya mosaic virus, papaya ringspot virus	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Papaya mosaic virus and Papaya ringspot virus are not known to occur in [the country or state where the plants were grown]"
Phytophthora capsici	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

3.34.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.34.3 Tissue cultures option 1

(1) This option applies to tissue cultures with an additional declaration of freedom from papaya mosaic virus and papaya ringspot virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Pest	Applies to	Condition
Papaya mosaic virus, papaya ringspot virus	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The cultures have derived from parent material tested and found free of *Papaya mosaic virus* and *Papaya ringspot virus*".

3.34.4 Tissue cultures option 2

(1) This option applies to tissue culture.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.35 Carpinus

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Carpinus" Suspended species: All
Approved commodities	Whole plants (dormant) Cuttings (dormant)
Approved countries	All
Quarantine pests	*Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants (dormant), Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.35.1

3.35.1 Whole plants (dormant), Cuttings (dormant)

(1) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on this phytosanitary certificate: • "The plants have been dipped in a combination of [insert one of the options below], at the rate of 1g a.i. per litre of water, and thiram, at the rate of 1.5g a.i. per litre of water". **Note**: One of the following fungicides must be used: – Benomyl – Carbendazim – Thiophanate methyl

3.36 Carya

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Carya" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, United States of America
Quarantine pests	*Ceratocystis fimbriata*, *Fusicladium effusum*, Pecan bunch, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.36.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.36.2

3.36.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species	Refer to 2.1
Fusicladium effusum, Pecan bunch	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • *"Fusicladium effusum* and Pecan bunch are not known to occur in [the country or state where the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.36.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Fusicladium effusum, Pecan bunch	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Fusicladium effusum* and Pecan bunch are not known to occur in [the country or state where the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.37 Castanea

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Castanea" Suspended species: All species in the following genus *Castanopsis*.
Approved commodities	Whole plants (dormant) Cuttings (dormant) Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fagacearum*, *Conotrachelus carinife*, *Cryphonectria parasitica*, *Curculio* spp., *Dryocosmus kuriphilus*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants (dormant), Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.37.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.37.2

3.37.1 Whole plants (dormant), Cuttings (dormant)

(1) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fagacearum, *Cryphonectria parasitica*	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Cryphonectria parasitica and Ceratocystis fagacearum* are not known to occur in [the country or state where the plants/cuttings were produced]" **OR** • "The plants were inspected (or the wood was taken from a tree that was inspected) during the previous growing season and no *Cryphonectria parasitica* or *Ceratocystis fagacearum* was detected".
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.37.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fagacearum, *Cryphonectria parasitica*	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Cryphonectria parasitica and Ceratocystis fagacearum* are not known to occur in [the country or state where the plants/cuttings were produced]." **OR** • "The plants were inspected (or the tissue cultures were derived from a tree that was inspected) during the previous growing season and no *Cryphonectria parasitica* or *Ceratocystis fagacearum* was detected."
Xylella fastidiosa	All species	Refer to 2.4

3.38 Cedrus

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Cedrus" Suspended species: All species in the genera *Chamaecyparis, Fitzroya, Libocedrus, Pilgerodendron, Pseudolarix, Tsuga.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Bursaphelenchus* spp., *Lophodermium* spp., *Phellinus noxius*, *Phytophthora ramorum*, Uredinales
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.38.1
Cuttings	**Import permit:** Required **PEQ:** Level 3B **Minimum period:** 6 months **Special conditions:** Refer to 3.38.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.38.3

3.38.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Phellinus noxius	*Chamaecyparis formosensis*, *Cupressus lusitanica*	Refer to 2.2
Phytophthora ramorum	All species of the genera *Chamaecyparis*, *Larix*, *Picea* and *Tsuga*	Refer to 2.3

3.38.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Phytophthora ramorum	All species of the genera *Chamaecyparis*, *Larix*, *Picea* and *Tsuga*	Refer to 2.3

3.38.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required
Post-entry quarantine	Not required

3.39 Chrysanthemum

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Chrysanthemum" Suspended species: All species in the following genus *Glebionis*.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	Potato spindle tuber viroid, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.39.1
Tissue cultures	**Option 1**: Tissue cultures with a pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.39.2
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.39.3

3.39.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants

Pest	Applies to	Condition
		were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid". **Option 2**: **Testing in PEQ** Testing in PEQ using PCR-based methods
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of genus *Coleosporium* and *Cronartium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]".
Xylella fastidiosa	All species of the *Argyranthemum* and *Chrysanthemum* genera	Refer to 2.4

3.39.2 Tissue cultures option 1

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid".
Xylella fastidiosa	All species of the *Argyranthemum* and *Chrysanthemum* genera	Refer to 2.4

3.39.3 Tissue cultures option 2

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species of the *Argyranthemum and Chrysanthemum* genera	Refer to 2.4

3.40 Chrysanthemum × morifolium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Chrysanthemum × morifolium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma australasiaticum", *"Candidatus* Phytoplasma solani", *Frankliniella occidentalis*, *Liriomyza* spp., Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrII - peanut witches' broom, potato spindle tuber viroid, virus diseases, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.40.1
Tissue cultures	**Option 1**: Tissue cultures with a pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.40.2
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.40.3

3.40.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if specified by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Frankliniella occidentalis, *Liriomyza* spp.	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum", *"Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII - peanut witches' broom	All species	Refer to 2.5
Potato spindle tuber viroid	All species	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid".
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.40.2 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for potato spindle tuber viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum", *"Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII - peanut witches' broom	All species	Refer to 2.5

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid".
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus or virus like diseases".
Xylella fastidiosa	All species	Refer to 2.4

3.40.3 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum", *"Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII - peanut witches' broom	All species	Refer to 2.5
Potato spindle tuber viroid	All species	Testing in PEQ using PCR-based methods
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus or virus like diseases".
Xylella fastidiosa	All species	Refer to 2.4

3.41 Cichorium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Cichorium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*'Candidatus Phytoplasma solani'*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or Xylella *fastidiosa* **Special conditions**: Refer to 3.41.1
Tissue cultures	**Import permit**: Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.41.2

3.41.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'Candidatus Phytoplasma solani'	All species of the *Cichorium* genus	Refer to 2.5
Xylella fastidiosa	All species of the *Gazania* and *Santolina* genera	Refer to 2.4

3.41.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'Candidatus Phytoplasma solani'	All species of the *Cichorium* genus	Refer to 2.5

Pest	Applies to	Condition
Xylella fastidiosa	All species of the *Gazania* and *Santolina* genera	Refer to 2.4

3.42 Clivia

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Clivia" Suspended species: All species in the following genus *Paris.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Virus diseases, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.42.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.42.2

3.42.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species of the *Agapanthus* genus	Refer to 2.4

3.42.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases".
Xylella fastidiosa	All species of the *Agapanthus* genus	Refer to 2.4

3.43 Coleonema

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Coleonema"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.43.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.43.2

3.43.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.43.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.44 Convallaria

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Convallaria"
Approved commodities	Whole plants Cuttings
Approved countries	All
Quarantine pests	*Pratylenchus convallariae*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.44.1

3.44.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Pratylenchus convallariae	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Pratylenchus convallariae* is not known to occur in [the country or state where the plants were grown]".

3.45 Corylus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Corylus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Anisogramma anomala*, *Monilinia fructigena*, *Phytophthora ramorum*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.45.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.45.2

3.45.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3

3.45.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.46 Cotoneaster Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Cotoneaster" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Gymnosporangium* spp., *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.46.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.46.2

3.46.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export".

Pest	Applies to	Condition
Gymnosporangium spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Gymnosporangium* spp. are not known to occur on [name of plant species] in [the country or state where the plants were produced]". **OR** • "The plants were from a crop inspected during the growing season and no rust diseases were detected".
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.46.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.47 Crataegus

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Crataegus" Suspended species: All species in the genera *Amelanchier, Crataegus, Mespilus, Sorbus.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Gymnosporangium clavipes*, *Gymnosporangium globosum*, *Phellinus noxius*, *Phytophthora capsici*
Whole plants	**Option 1**: Whole plants **with** pest freedom additional declarations **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.47.1
	Option 2: Whole plants **without** pest freedom additional declarations **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.47.2
Cuttings	**Option 1:** Cuttings **with** pest freedom additional declarations **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions:** Refer to 3.47.3
	Option 2: Cuttings **without** pest freedom additional declarations **Import permit:** Required **PEQ:** Level 3B **Minimum period:** 3 months **Special conditions:** Refer to 3.47.4
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.47.5

3.47.1 Whole plants

(1) This option applies to whole plants with pest freedom additional declarations for relevant pests.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Gymnosporangium clavipes, *Gymnosporangium globosum*	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "*Gymnosporangium clavipes* and *Gymnosporangium globosum* are not known to occur on [host species being imported] in [the country or state in which the plants were grown]" **AND** • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export"
Phellinus noxius	All species of the *Crataegus genus*	Refer to 2.2
Phytophthora capsici	All species of the *Crataegus genus*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a pest free place of production' for *Phytophthora capsici*"

3.47.2 Whole plants

(1) This option applies to whole plants without pest freedom additional declarations.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

Pest	Applies to	Condition
Phellinus noxius	All species of the *Crataegus* genus	Refer to 2.2

3.47.3 Cuttings option 1

(1) This option applies to cuttings with pest freedom additional declarations for relevant pests.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Gymnosporangium clavipes, *Gymnosporangium globosum*	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "*Gymnosporangium clavipes* and *Gymnosporangium globosum* are not known to occur on [host species being imported] in [the country or state in which the plants were grown]" **AND** • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export"
Phytophthora capsici	All species of the *Crataegus genus*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici"* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a pest free place of production' for *Phytophthora capsici*"

3.47.4 Cuttings option 2

(1) This option applies to cuttings without pest freedom additional declarations for relevant pests.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.47.5 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required
Post-entry quarantine	Not required

3.48 Crocosmia

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Crocosmia" Suspended species: All species in the genera *Alophia* and *Crocosmia*.
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*Frankliniella occidentalis*, virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.48.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.48.2
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.48.3
	Option 2: All dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.48.4
	Option 3: Dormant bulbs treated as per Appendix 4 from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.48.5
	Option 4: All dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: None, refer to general requirements in 1.12

3.48.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

3.48.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional Declarations	The following additional declaration must be endorsed on this phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

3.48.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional Declarations	The following additional declaration must be endorsed on this phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.48.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

3.48.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Additional Declarations	The following additional declaration must be endorsed on this phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • Treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

3.49 Crocus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Crocus"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*Frankliniella occidentalis*, virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.49.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.49.2
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.49.3
	Option 2: Dormant bulbs produced with a growing-season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.49.4
	Option 3: All dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.49.5
	Option 4: Dormant bulbs treated as per Appendix 4 from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.49.6

	Option 5: All dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: None, refer to general requirements in 1.12

3.49.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

3.49.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on this phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

3.49.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on this phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the BKD Class 1 bulb certification scheme."

3.49.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing-season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on this phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.49.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

3.49.6 Dormant bulbs option 4

(1) This option applies to Dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

3.50 Crotalaria

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Crotalaria"
Approved commodities	Tissue cultures Suspended commodities: Whole plants and cuttings.
Approved countries	All
Quarantine pests	Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrII – peanut witches' broom, Phytoplasma 16SrV – elm yellows
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.50.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.50.2

3.50.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrII – peanut witches' broom and Phytoplasma 16SrV – elm yellows	All species	Refer to 2.5

3.50.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrII – peanut witches' broom and Phytoplasma 16SrV – elm yellows	All species	Refer to 2.5

3.51 Cycas

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Cycas" Suspended species: All species in the genera *Cycas, Dioon, Macrozamia, Stangeria, Zamia.*
Approved commodities	Cuttings (dormant), including offsets in the form of dormant bulbs divided from the trunk Tissue cultures
Approved countries	**All except** Australia, Cayman Islands, China, Costa Rica, Florida, Guam, Guatemala, Hawaii, Italy, Puerto Rico, Singapore, Taiwan, Thailand, the United States Virgin Islands and Vietnam
Quarantine pests	*Aulacaspis yasumatsui*, *Demyrsus meleoides*, *Phellinus noxius*, Phytoplasma 16SrII – peanut witches' broom
Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.51.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.51.2

3.51.1 Cuttings (dormant)

(1) General requirements for cuttings (dormant) are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection requirements**: A minimum of 600 plants are to be inspected during each inspection in post-entry quarantine

Pest	Applies to	Condition
Aulacaspis yasumatsui	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants for planting have been produced in a 'pest free area', free from *Aulacaspis yasumatsui.*"
Phytoplasma 16SrII – peanut witches' broom	Species of the genus *Zamia*	Refer to 2.5

3.51.2 Tissue cultures

(1) General requirements for dormant bulbs are set out in 1.12.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrII – peanut witches' broom	Species of the genus *Zamia*	Refer to 2.5

3.52 Cyclamen

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Cyclamen"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma solani", *Tetranychus kanzawai*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.52.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.52.2

3.52.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.52.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.53 Dahlia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Dahlia"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma mali", *Phymatotrichopsis omnivora*, *Phytophthora capsici*, potato spindle tuber viroid, *Tetranychus kanzawai*, Uredinales, virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.1
Tissue cultures	**Option 1**: Tissue cultures from all countries (**except Japan**) with a pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.53.2
	Option 2: Tissue cultures from all countries (**except Japan**) without a pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.3
	Option 3: Tissue cultures **from Japan** with a pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.53.4
	Option 4: Tissue cultures **from Japan** without a pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.5
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.53.6

	Option 2: Dormant bulbs produced with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, and United Kingdom **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.53.7
	Option 3: All dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, and United Kingdom **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.8
	Option 4: Dormant bulbs from the United States of America with a pest free area additional declaration for *Phymatotrichopsis omnivora* **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.53.9
	Option 5: Dormant bulbs from the United States of America with a pest free place of production additional declaration for *Phymatotrichopsis omnivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.10
	Option 6: Dormant bulbs with a pest free area additional declaration for *Phymatotrichopsis omnivora* from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom and United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.11
	Option 7: Dormant bulbs with a pest free place of production additional declaration for *Phymatotrichopsis omnivora* from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom and United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.53.12

3.53.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici.*"
Potato spindle tuber viroid	All species	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid.*"*
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases are not known to occur on *Dahlia* in [the country in which the plants were grown]."

3.53.2 Tissue cultures option 1

(1) This option applies for tissue cultures from all countries (except Japan) with a pest freedom additional declaration for potato spindle tuber viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Potato spindle tuber viroid	All	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid."
Virus diseases	All	The following additional declaration must be endorsed on the phytosanitary certificate: • "The cultures have been derived from parent stock tested and found free of virus diseases."

3.53.3 Tissue cultures option 2

(1) This option applies to tissue cultures from all countries (except Japan) without a pest freedom additional declaration for potato spindle tuber viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Potato spindle tuber viroid	All species	Testing in PEQ using PCR based methods
Virus diseases	All	The following additional declaration must be endorsed on the phytosanitary certificate: • "The cultures have been derived from parent stock tested and found free of virus diseases."

3.53.4 Tissue cultures option 3

(1) This option applies to tissue cultures from Japan with a pest freedom additional declaration for potato spindle tuber viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur." **OR** "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid."

3.53.5 Tissue cultures option 4

(1) This option applies to tissue cultures from Japan without a pest freedom additional declaration for potato spindle tuber viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Potato spindle tuber viroid	All species	Testing in PEQ using PCR based methods

3.53.6 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the BKD Class 1 bulb certification scheme."

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.53.7 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, and United Kingdom:

a) with a growing-season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
"*Candidatus* Phytoplasma mali"	All species	Refer to 2.5

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.53.8 Dormant bulbs option 3

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, and United Kingdom.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.53.9 Dormant bulbs option 4

(1) This option applies to dormant bulbs from the United States of America with a pest free area additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
"*Candidatus* Phytoplasma mali"	All species	Refer to 2.5
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora*".
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.53.10 Dormant bulbs option 5

(1) This option applies to dormant bulbs from the United States of America with a pest free place of production additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free place of production', free from *Phymatotrichopsis omnivora*." **AND** The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.53.11 Dormant bulbs option 6

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom and United States of America:

a) with a pest free area additional declaration for *Phymatotrichopsis omnivora*;
b) with a growing season inspection; and
c) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold storage or shipment'

Pest	Applies to	Condition
"*Candidatus* Phytoplasma mali"	All species	Refer to 2.5

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant tubers have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora*".
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.53.12 Dormant bulbs option 7

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom and United States of America:

a) with a pest free place of production additional declaration for *Phymatotrichopsis omnivora*;
b) with a growing season inspection; and
c) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold storage or shipment'

Pest	Applies to	Condition
"Candidatus Phytoplasma mali"	All species	Refer to 2.5
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free place of production', free from *Phymatotrichopsis omnivora*." **AND** The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.54 Daphne

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Daphne"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Xylella fastidiosa*
Transitional Period	All consignments with a phytosanitary certificate issued on or after 9 November 2026 must meet the requirements of this section
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.54.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.54.2

3.54.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.54.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.55 Delphinium

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Delphinium" Suspended species: All species in the genera *Adenophora, Amsonia, Barleria, Codonopsis, Convolvulus, Doronicum, Erigeron, Exacum, Grindelia, Inula, Jacquemontia, Jasione, Kleinia, Lycopus, Myrica, Oldenlandia, Pedicularis, Perezia, Phyteuma, Ruellia, Saussurea, Serratula.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Phytophthora ramorum*, Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrIII – X-disease, Uredinales, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.55.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions:** Refer to 3.55.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.55.3

3.55.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	Species of the genus *Erythrina*	Refer to 2.1

Pest	Applies to	Condition
Phellinus noxius	*Barleria cristata* and species of the genus *Erythrina*	Refer to 2.2
Phytophthora capsici	Species of the genus *Carolinianum*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici.*"
Phytophthora palmivora	Species of the genus *Erythrina*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora.*"
Phytophthora ramorum	Species of the genus *Clematis*	Refer to 2.3
Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrIII – X-disease	Species of the genus *Delphinium*	Refer to 2.5
Xylella fastidiosa	All species of the following genera: *Clematis*, *Convolvulus*, *Crepis*, *Erigeron*, *Euryops*, *Geranium*, *Impatiens*, *Kleinia* (except *K.* articulata and *K. obesa*) *Phyllanthus*	Refer to 2.4
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of the genus *Coleosporium* and *Cronatium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]."

3.55.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	Species of the genus *Erythrina*	Refer to 2.1
Phytophthora capsici	Species of the genus *Carolinianum*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."
Phytophthora palmivora	Species of the genus *Erythrina*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."
Phytophthora ramorum	Species of the genus *Clematis*	Refer to 2.3
Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrIII – X-disease	Species of the genus *Delphinium*	Refer to 2.5

Pest	Applies to	Condition
Xylella fastidiosa	All species of the following genera: *Clematis*, *Convolvulus*, *Crepis*, *Erigeron*, *Euryops*, *Geranium*, *Impatiens*, *Kleinia* (except *K.* articulata and *K. obesa*) *Phyllanthus*	Refer to 2.4
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of the genus *Coleosporium* and *Cronatium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]."

3.55.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrIII – X-disease	Species of the genus *Delphinium*	Refer to 2.5
Xylella fastidiosa	All species of the following genera: *Clematis*, *Convolvulus*, *Crepis*, *Erigeron*, *Euryops*, *Geranium*, *Impatiens*, *Phyllanthus*	Refer to 2.4

3.56 Dendrobium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Dendrobium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Orchid fleck dichorhavirus, *Phytophthora palmivora*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.56.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.56.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Orchid fleck dichorhavirus	All species	Growing season inspection in post-entry quarantine for symptom expression
Phytophthora palmivora	All species of the *Cymbidium* genus	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from Phytophthora palmivora." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for Phytophthora palmivora." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for Phytophthora palmivora."

3.57 Dianthus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Dianthus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma australasiaticum", *"Candidatus* Phytoplasma solani", *Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, *Phytophthora palmivora*, Uredinales
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.57.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.57.2

3.57.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum" and *"Candidatus* Phytoplasma solani"	All species	Refer to 2.5
Frankliniella occidentalis and *Liriomyza* spp.	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants were inspected during the growing season and no rust diseases were found."

3.57.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum" and *"Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.58 Dianthus caryophyllus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Dianthus caryophyllus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, *Phytophthora palmivora*, Phytoplasma 16SrXII – "stolbur"
Whole plants	**Option 1**: Whole plants from all countries **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.58.1
	Option 2: Whole plants from the Netherlands produced under the Naktuinbouw Elite certification scheme **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 4 weeks **Special conditions**: Refer to 3.58.2
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.58.3
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.58.4

3.58.1 Whole plants option 1

(1) This option applies to whole plants from all countries.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Frankliniella occidentalis, *Liriomyza* spp.	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."
Phytoplasma 16SrXII – "stolbur	All species	Refer to 2.5

3.58.2 Whole plants option 2

(1) This option applies to whole plants from the Netherlands produced under the Naktuinbouw Elite certification scheme.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 4 weeks
Additional declarations to the phytosanitary certificate	The following additional declarations must be endorsed on this phytosanitary certificate: • "The imported plants meet the requirements of the Naktuinbouw Elite (Class SEE or EE) [choose one] certification scheme." **AND** • "The plants have been held at 1.5°C±0.5°C for 2 days, then fumigated with methyl bromide at 14 g/m^3 for 4 hours at 15 °C and packed so that re-infestation with insects cannot occur."

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."

3.58.3 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Frankliniella occidentalis, *Liriomyza* spp.	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."
Phytoplasma 16SrXII – "stolbur	All species	Refer to 2.5

3.58.4 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrXII – "stolbur	All species	Refer to 2.5

3.59 Diascia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Diascia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Potato spindle tuber viroid
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.59.1
Tissue cultures	**Option 1**: Tissue cultures with pest freedom additional declaration for potato spindle tuber viroid **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.59.2
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.59.3

3.59.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid.""
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods

3.59.2 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for potato spindle tuber viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur." **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid."

3.59.3 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	Testing in PEQ using PCR-based methods

3.60 Dioscorea

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Dioscorea"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*Phymatotrichopsis omnivora*, virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.60.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.60.2
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.60.3
	Option 2: Dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.60.4
	Option 3: Dormant bulbs with pest free area additional declaration for *Phymatotrichopsis omnivora* from the United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.60.5
	Option 4: Dormant bulbs with pest free place of production additional declaration for *Phymatotrichopsis omnivora* from the United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.60.6

	Option 5: Dormant bulbs with pest free area additional declaration for *Phymatotrichopsis omnivora* from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.60.7
	Option 6: Dormant bulbs with pest free place of production additional declaration for *Phymatotrichopsis omnivora* from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.60.8

3.60.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

3.60.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

3.60.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.60.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

3.60.5 Dormant bulbs option 3

(1) This option applies to Dormant bulbs from the United States of America:

a) with pest free area additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora*".

3.60.6 Dormant bulbs option 4

(1) This option applies to Dormant bulbs from the United States of America:

a) with pest free place of production additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate. **AND** The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free place of production', free from *Phymatotrichopsis omnivora."*

3.60.7 Dormant bulbs option 5

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with pest free area additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs in this consignment have been: – derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests **AND** – treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold storage or shipment"

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora*".

3.60.8 Dormant bulbs option 6

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with pest free place of production additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests.

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate. **AND** The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free place of production', free from *Phymatotrichopsis omnivora."*

3.61 Diospyros

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Diospyros" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Cephalosporium diospyri*, *Phellinus noxius*, *Phytophthora capsici*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.61.1
Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions:** Refer to 3.61.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.61.3

3.61.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phellinus noxius	All species	Refer to 2.2
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici".* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

Pest	Applies to	Condition
		OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Xylella fastidiosa	All species	Refer to 2.4

3.61.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Xylella fastidiosa	All species	Refer to 2.4

3.61.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.62 Dracaena

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as see "155.02.06 under Dracaena"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Chrysomphalus aonidum*, *Pantoea ananatis*, *Phytophthora palmivora*, *Xyleborus* spp. (except *Xyleborus compressus*, *Xyleborus saxeseni*, *Xyleborus truncatus*)
Whole plants, Non-dormant cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.62.1
Dormant cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.62.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11.

3.62.1 Whole plants, non-dormant cuttings

(1) General requirements for whole plants and non-dormant cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

(3) All Dracaena whole plants and non-dormant cuttings must be treated for regulated insects and mites as described in Appendix 3. Whole plants and non-dormant cuttings must also be treated on arrival as per Approved Biosecurity Treatments ("Treatments for Dracaena (whole plants and nondormant cuttings)")

(4) A minimum of 600 plants are to be inspected during each growing season inspection in post-entry quarantine.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Chrysomphalus aonidum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The *Dracaena* [cuttings/plants] in this consignment have been produced in a 'pest free area' or 'pest free place of production' [choose one], free from *Chrysomphalus aonidum"* **OR** • "The *Dracaena* cuttings/plants [choose one] in this consignment have been inspected in accordance with appropriate official procedures and found free of *Chrysomphalus aonidum"*

Pest	Applies to	Condition
Pantoea ananatis	All *Dracaena* species	• If plants exhibit any symptoms that may be indicative of infection with *Pantoea ananatis*, samples must be collected and submitted for diagnostic testing. • If any plants are identified as being infected with *Pantoea ananatis*, the whole consignment must be either reshipped or destroyed, at the expense of the importer.
Phytophthora palmivora	All species	One of the Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora".* **OR** • "The [insert species name] plants in this consignment were produced in 'pest free area' for *Phytophthora palmivora".* **OR** • "The [insert species name] plants in this consignment were produced in 'pest free place of production' for *Phytophthora palmivora".*
Xyleborus spp. (except *Xyleborus compressus*, *Xyleborus saxeseni*, *Xyleborus truncatus*)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The *Dracaena* [cutting/plants] in this consignment have been produced in a 'pest free area' or 'pest free place of production', free from *Xyleborus* spp. (except *Xyleborus compressus*, *Xyleborus saxeseni*, *Xyleborus truncatus*)".

3.62.2 Dormant cuttings

(1) General requirements for dormant cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

(3) A minimum of 600 plants are to be inspected during each growing season inspection in post-entry quarantine.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Chrysomphalus aonidum	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The *Dracaena* cuttings in this consignment have been produced in a 'pest free area' or 'pest free place of production' [choose one], free from *Chrysomphalus aonidum"* **OR** • "The *Dracaena* cuttings in this consignment have been inspected in accordance with appropriate official procedures and found free of *Chrysomphalus aonidum"*

Pest	Applies to	Condition
Pantoea ananatis	All species	• If plants exhibit any symptoms that may be indicative of infection with *Pantoea ananatis*, samples must be collected and submitted for diagnostic testing. • If any plants are identified as being infected with *Pantoea ananatis*, the whole consignment must be either reshipped or destroyed, at the expense of the importer.
Phytophthora palmivora	All species	One of the additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] cuttings in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora".* **OR** • "The [insert species name] cuttings in this consignment were produced in 'pest free area' for *Phytophthora palmivora".* **OR** • "The [insert species name] cuttings in this consignment were produced in 'pest free place of production' for *Phytophthora palmivora".*
Xyleborus spp. (except *Xyleborus compressus*, *Xyleborus saxeseni*, *Xyleborus truncatus*)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The *Dracaena* cuttings in this consignment have been produced in a 'pest free area' or 'pest free place of production', free from *Xyleborus* spp. (except *Xyleborus compressus*, *Xyleborus saxeseni*, *Xyleborus truncatus*)".

3.63 Echinacea

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Echinacea"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma solani"
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.63.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.63.2

3.63.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.63.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.64 Epipremnum

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Epipremnum" Suspended species: all species in the genera *Achras, Annona, Brachychiton, Bryophyllum, Durio, Manilkara, Mimusops, Pogostemon, Quisqualis, Sandoricum, Tamarindus, Tecomaria.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All countries unless otherwise specified Suspended species: all species of the genus *Colocasia* imported from Cameroon, Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Indonesia, Nigeria, São Tomé and Príncipe, Togo
Quarantine pests	*Ceratocystis fimbriata*, *Phytophthora capsici, Phytophthora palmivora, Ralstonia pseudosolanacearum, Xylella fastidiosa*
Whole plants, Cuttings	**Option 1**: All whole plants and cuttings (except those of the genus *Epipremnum* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*) **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.64.1
	Option 2: Whole plants and cuttings of the genus *Epipremnum* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.64.2
Tissue cultures	**Option 1**: All tissue cultures (except those of the genus *Epipremnum* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*) **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.64.3
	Option 2: Tissue cultures of the genus *Epipremnum* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.64.4

3.64.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings except:

a) whole plants and cuttings of the genus *Epipremnum* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the following genera: *Annona* *Colocasia* *Punica*	Refer to 2.1
Phytophthora capsici	All species of the following genera: *Epipremnum*, *Macadamia*, *Philodendron*	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora".*
Phytophthora ramorum	Species of the genus *Annona*	Refer to 2.3
Ralstonia pseudosolanacearum	All species of the *Epipremnum* genus	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved

Pest	Applies to	Condition
		methodology and found free from *Ralstonia pseudosolanacearum*" For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".
Xylella fastidiosa	All species of the following genera: *Clianthus, Macadamia* and *Punica*	Refer to 2.4 **Guidance** • All Punica consignments with a phytosanitary certificate issued on or after 9 November 2026 must meet the requirements of this section.

3.64.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings of the genus *Epipremnum*:

a) without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora capsici	All species of the *Epipremnum genus*	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from Phytophthora palmivora". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free area' for Phytophthora palmivora". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for Phytophthora palmivora".
Ralstonia pseudosolanacearum	All species of the *Epipremnum genus*	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR

3.64.3 Tissue cultures option 1

(1) This option applies to tissue cultures except:

a) tissue cultures of the genus *Epipremnum* without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	All species of the *Epipremnum* genus	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum"* For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".
Xylella fastidiosa	All species of the following genera: *Clianthus, Macadamia* and *Punica*	Refer to 2.4 **Guidance** • All Punica consignments with a phytosanitary certificate issued on or after 9 November 2026 must meet the requirements of this section.

3.64.4 Tissue cultures option 2

(1) This option applies to tissue cultures of the genus *Epipremnum*:

a) without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	All species of the *Epipremnum* genus	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR

3.65 Eriobotrya

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Eriobotrya" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.
Quarantine pests	*Ceratocystis fimbriata*, *Phellinus noxius*, *Pseudomonas syringae* pv. *eriobotryae*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.65.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions:** Refer to 3.65.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.65.1 Whole plants

(1) General requirements for whole plants are set out in 1.10

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Eriobotrya* genus	Refer to 2.1
Phellinus noxius	*Eriobotrya japonica*	Refer to 2.2
Pseudomonas syringae pv. *eriobotryae*	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Pseudomonas syringae* pv. *eriobotryae* is not known to occur in [the country or state where the plants were grown]." **OR** • "The plants were from a nursery that has been inspected for the presence of *Pseudomonas syringae* pv. *eriobotryae* and none has been detected."

3.65.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Eriobotrya* genus	Refer to 2.1
Pseudomonas syringae pv. *eriobotryae*	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Pseudomonas syringae* pv. e*riobotryae* is not known to occur in [the country or state where the plants were grown]." **OR** • "The plants were from a nursery that has been inspected for the presence of *Pseudomonas syringae* pv. *eriobotryae* and none has been detected."

3.66 Eucalyptus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Eucalyptus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Ceratocystis fimbriata*, *Chrysoporthe austroafricana*, *Chrysoporthe cubensis*, *Endothia havanensis*, *Mycosphaerella parva*, *Pantoea ananatis, Phellinus noxius*, *Phytophthora boodjera*, *Phytophthora ramorum*, *Puccinia psidii* sensu lato (s.l) complex (including *Uredo rangelii*), *Quambalaria eucalypti*, *Teratosphaeria gauchensis*, *Teratosphaeria zuluensis*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.66.1
Cuttings	**Import permit:** Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions:** Refer to 3.66.2
Tissue cultures	**Option 1**: Tissue cultures with pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.66.3
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 greenhouse if required by measures for *Xylella fastidiosa* **Minimum period**: 4 weeks, then 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.66.4

3.66.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species	Refer to 2.1
Phellinus noxius	All species	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3

Pest	Applies to	Condition
Teratosphaeria gauchensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratosphaeria gauchensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratosphaeria gauchensis*". **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria gauchensis*".
Teratosphaeria zuluensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria zuluensis*".
Xylella fastidiosa	All species	Refer to 2.4

3.66.2 Cuttings

(1) General requirements for cuttings are set out in 1.10

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species	Refer to 2.1
Phytophthora ramorum	All species	Refer to 2.3
Teratosphaeria gauchensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratospahaeria gauchensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratospahaeria gauchensis*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria gauchensis*".
Teratosphaeria zuluensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria zuluensis*".
Xylella fastidiosa	All species	Refer to 2.4

3.66.3 Tissue cultures option 1

(1) This option is for tissue cultures with a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Puccinia psidii s.l complex	All species	Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*. **AND** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l complex (including *Uredo rangelii*) is not known to occur in [the country of origin]." **OR** • "The tissue cultures in this consignment have been actively growing in the culture container for at least four weeks at temperatures between 15–23 °C (59–73.4 °F)."
Teratosphaeria gauchensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratosphaeria gauchensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratosphaeria gauchensis*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria gauchensis*".
Teratosphaeria zuluensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria zuluensis*".
Xylella fastidiosa	All species	Refer to 2.4

3.66.4 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 post entry quarantine greenhouse if required by measures for *Xylella fastidiosa* **Minimum period**: 4 weeks, then 6 months if required by measures for *Xylella fastidiosa*

(4) For tissue cultures that require PEQ in a Level 2 greenhouse for minimum 6 months under 2.4 'Measures for *Xylella fastidiosa*':

a) the tissue cultures must complete the minimum 4 weeks PEQ in a Level 2 post-entry quarantine tissue culture laboratory before being deflasked into the post-entry quarantine greenhouse.
b) the culture containers are not to be opened during the quarantine period in a Level 2 post-entry quarantine tissue culture laboratory.

Pest	Applies to	Condition
Puccinia psidii s.l complex	All species	Inspection in tissue culture laboratory PEQ.

Pest	Applies to	Condition
Teratosphaeria gauchensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratospahaeria gauchensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratospahaeria gauchensis*". **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria gauchensis*".
Teratosphaeria zuluensis	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in [insert country name], which is free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants have been produced in a 'pest free area' free from *Teratosphaeria zuluensis*". **OR** • "The [insert species name] plants were produced in a 'pest free place of production' free from *Teratosphaeria zuluensis*".
Xylella fastidiosa	All species	Refer to 2.4

3.67 Eugenia

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Eugenia" Suspended species: All species in the following genus *Eugenia*.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom
Quarantine pests	*Phellinus noxius*, *Phytophthora palmivora*, *Puccinia psidii* sensu lato (s.l) complex (including *Uredo rangelii*), *Xylella fastidiosa*
Whole plants	**Option 1**: Whole plants **with** a pest freedom additional declaration for *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.67.1
	Option 2: Whole plants **without** a pest freedom additional declaration for *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.67.2
Cuttings	**Option 1**: Cuttings **with** a pest freedom additional declaration for *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions:** Refer to 3.67.3
	Option 2: Cuttings **without** a pest freedom additional declaration for *Phytophthora palmivora* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions:** Refer to 3.67.4
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.67.5
	Option 2: Tissue cultures **without** a pest freedom additional declaration for Puccinia psidii sensu lato complex (including Uredo rangelii) **Import permit**: Required **PEQ**: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 greenhouse if required by measures for *Xylella fastidiosa* **Minimum period**: 4 weeks, then 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.67.6

3.67.1 Whole plants option 1

(1) This option applies to whole plants with a pest freedom additional declaration for *Phytophthora palmivora*.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Phellinus noxius	*Syzygium samarangense*	Refer to 2.2
Phytophthora palmivora	All species of the *Syzygium* genus	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora".*
Puccinia psidii s.l complex	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l complex (including *Uredo rangelii*) is not known to occur in [the country of origin]."
Xylella fastidiosa	All species	Refer to 2.4

3.67.2 Whole plants option 2

(1) This option applies to whole plants without a pest freedom additional declaration for *Phytophthora palmivora*.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Phellinus noxius	*Syzygium samarangense*	Refer to 2.2
Xylella fastidiosa	All species	Refer to 2.4

3.67.3 Cuttings option 1

(1) This option applies to cuttings with a pest freedom additional declaration for *Phytophthora palmivora*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Phytophthora palmivora	All species of the *Syzygium* genus	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora".*
Puccinia psidii s.l complex	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l complex (including *Uredo rangelii*) is not known to occur in [the country of origin]."
Xylella fastidiosa	All species	Refer to 2.4

3.67.4 Cuttings option 2

(1) This option applies to cuttings without a pest freedom additional declaration for *Phytophthora palmivora*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.67.5 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Puccinia psidii s.l complex	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l complex (including *Uredo rangelii*) is not known to occur in [the country of origin]." **OR** • "The tissue cultures in this consignment have been actively growing in the culture container for at least four weeks at temperatures between 15–23 °C (59–73.4 °F)."
Xylella fastidiosa	All species	Refer to 2.4

3.67.6 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 post entry quarantine greenhouse if required by measures for *Xylella fastidiosa* **Minimum period**: 4 weeks, then 6 months if required by measures for *Xylella fastidiosa*

(4) For tissue cultures that require PEQ in a Level 2 greenhouse for minimum 6 months under 2.4 'Measures for *Xylella fastidiosa*':

a) the tissue cultures must complete the minimum 4 weeks PEQ in a Level 2 post-entry quarantine tissue culture laboratory before being deflasked into the post-entry quarantine greenhouse.
b) the culture containers are not to be opened during the quarantine period in a Level 2 post-entry quarantine tissue culture laboratory.

Pest	Applies to	Condition
Puccinia psidii s.l complex	All species	Inspection in tissue culture laboratory PEQ.
Xylella fastidiosa	All species	Refer to 2.4

3.68 Eupatorium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Eupatorium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom
Quarantine pests	Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.68.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.68.2

3.68.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on [host species being imported] in [the country in which the plants were grown]."
Xylella fastidiosa	All species	Refer to 2.4

3.68.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.69 Euphorbia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Euphorbia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma australasiaticum", "*Candidatus* Phytoplasma australiense" (strains not in New Zealand), *Phytophthora palmivora*, Phytoplasma 16SrII – peanut witches' broom, Phytoplasma 16SrIII – X-disease, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.69.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.69.2

3.69.1 Whole plants, Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum", "*Candidatus* Phytoplasma australiense" (strains not in New Zealand), Phytoplasma 16SrII – peanut witches' broom and Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.69.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum", "*Candidatus* Phytoplasma australiense" (strains not in New Zealand), Phytoplasma 16SrII – peanut witches' broom and Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.70 Eutrema Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Eutrema" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Japan
Quarantine pests	*Ascochyta brassicae*, *Athalia* spp., *Eurydema* spp., *Peronospora alliariae*, *Septoria wasabiae*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.70.1 below
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.70.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Phytosanitary requirements	On arrival in New Zealand the plants must be treated, under the supervision of an Inspector, at an MPI-registered transitional facility by dipping in metalaxyl or furalaxyl at the rate of 1.2g a.i per litre of water.
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "Plants have been dipped in captan at the rate of 1.25g a.i. per litre of water within 1 week of export."

3.71 Fagus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Fagus"
Approved commodities	Whole plants (dormant) Cuttings (dormant) Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fimbriata*, *Cronartium quercuum*, *Phytophthora ramorum*, Tortricidae, *Xylella fastidiosa*
Whole plants (dormant), Cuttings (dormant)	**Option 1**: Whole plants (dormant) and cuttings (dormant) with offshore propiconazole treatment **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.71.1
	Option 2: All whole plants (dormant) and cuttings (dormant) **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.71.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.71.3

3.71.1 Whole plants (dormant), Cuttings (dormant) option 1

(1) This option applies to whole plants (dormant) and cuttings (dormant) with offshore propiconazole treatment.

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water."

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Fagus* genus	Refer to 2.1
Phytophthora ramorum	All species	Refer to 2.3.

Pest	Applies to	Condition
Xylella fastidiosa	All species of the *Fagus* genus	Refer to 2.4

3.71.2 Whole plants (dormant), Cuttings (dormant) option 2

(1) This option applies to whole plants (dormant) and cuttings (dormant) with offshore propiconazole treatment.

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Fagus* genus	Refer to 2.1
Xylella fastidiosa	All species of the *Fagus* genus	Refer to 2.4

3.71.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species of the *Fagus* genus	Refer to 2.4

3.72 Fagus sylvatica

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Fagus sylvatica"
Approved commodities	Whole plants (dormant) Cuttings (dormant) Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fimbriata*, *Cronartium quercuum*, *Cryphonectria parasitica*, *Phytophthora ramorum*, *Tortricidae*, *Xylella fastidiosa*
Whole plants (dormant), Cuttings (dormant)	**Option 1**: Whole plants (dormant) and cuttings (dormant) with offshore fungicide treatment **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.72.1
	Option 2: All whole plants (dormant) and cuttings (dormant) **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.72.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.72.3

3.72.1 Whole plants (dormant), Cuttings (dormant) option 1

(1) This option applies to whole plants (dormant) and cuttings (dormant) with offshore fungicide treatment.

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water."

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Fagus* genus	Refer to 2.1

Pest	Applies to	Condition
Cryphonectria parasitica	All species	**Choose one of the below options:**
		For whole plants (dormant) and cuttings (dormant) The following additional declaration must be endorsed on the phytosanitary certificate: • "*Cryphonectria parasitica* is not known to occur in [the country or state where the plants/cuttings were grown]."
		For cuttings (dormant) only The following additional declaration must be endorsed on the phytosanitary certificate: • "The tree(s), from which this material was taken, was inspected during the previous growing season and no *Cryphonectria parasitica* was detected."
		For young plants The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants were inspected during the previous growing season and no *Cryphonectria parasitica* was detected."
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species of the *Fagus* genus	Refer to 2.4

3.72.2 Whole plants (dormant), Cuttings (dormant) option 2

(1) This option applies to whole plants (dormant) and cuttings (dormant).

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Fagus* genus	Refer to 2.1
Xylella fastidiosa	All species	Refer to 2.4

3.72.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*
Phytosanitary requirements	Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Pest	Applies to	Condition
Xylella fastidiosa	All species of the *Fagus* genus	Refer to 2.4

3.73 Ficus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Ficus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma solani", *Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Ralstonia pseudosolanacearum*, *Uredo ficina*, *Xylella fastidiosa*
Whole plants	**Option 1**: Whole plants **with** pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.73.1
	Option 2: Whole plants **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.73.2
Cuttings	**Option 1**: Cuttings **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.73.3
	Option 2: Cuttings **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions:** Refer to 3.73.4
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.73.5
	Option 2: Tissue cultures **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A

	Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.73.6

3.73.1 Whole plants option 1

(1) This option applies to whole plants with pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

(4) Plants for planting of *Ficus macrocarpa* must be free of flowers and fruit.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Ceratocystis fimbriata	*Ficus carica*	Refer to 2.1
Phellinus noxius	All species	Refer to 2.2
Phytophthora capsici	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*" For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".
Uredo ficina	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • *Uredo ficina* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The *Ficus* spp. has been produced in a 'pest free place of production', free from *Uredo ficina*".
Xylella fastidiosa	All species	Refer to 2.4

3.73.2 Whole plants option 2

(1) This option applies to whole plants without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

(4) Plants for planting of *Ficus macrocarpa* must be free of flowers and fruit.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Ceratocystis fimbriata	*Ficus carica*	Refer to 2.1
Phellinus noxius	All species	Refer to 2.2
Phytophthora capsici	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*".

Pest	Applies to	Condition
		OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR using DNA from the plant stem
Uredo ficina	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • *Uredo ficina* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The *Ficus* spp. has been produced in a 'pest free place of production', free from *Uredo ficina*".
Xylella fastidiosa	All species	Refer to 2.4

3.73.3 Cuttings option 1

(1) This option applies to cuttings with pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

(4) Plants for planting of *Ficus macrocarpa* must be free of flowers and fruit.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Ceratocystis fimbriata	*Ficus carica*	Refer to 2.1
Phytophthora capsici	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*" For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".
Uredo ficina	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • *Uredo ficina* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The *Ficus* spp. has been produced in a 'pest free place of production', free from *Uredo ficina*".
Xylella fastidiosa	All species	Refer to 2.4

3.73.4 Cuttings option 2

(1) This option applies to cuttings without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

(4) Plants for planting of *Ficus macrocarpa* must be free of flowers and fruit.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Ceratocystis fimbriata	*Ficus carica*	Refer to 2.1
Phytophthora capsici	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR using DNA from the plant stem

Pest	Applies to	Condition
Uredo ficina	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • *Uredo ficina* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The *Ficus* spp. has been produced in a 'pest free place of production', free from *Uredo ficina*".
Xylella fastidiosa	All species	Refer to 2.4

3.73.5 Tissue cultures option 1

(1) This option applies to tissue cultures with pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani"	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*" For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".
Uredo ficina	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Uredo ficina* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The *Ficus spp*. has been produced in a 'pest free place of production', free from *Uredo ficina*".
Xylella fastidiosa	All species	Refer to 2.4

3.73.6 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR using DNA from the plant stem
Uredo ficina	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • *Uredo ficina* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The *Ficus spp*. has been produced in a 'pest free place of production', free from *Uredo ficina*".
Xylella fastidiosa	All species	Refer to 2.4

3.74 Fragaria

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Fragaria"
Approved commodities	Cuttings (runner tips and stem cuttings only) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Fragaria regulated pests (actionable)
Cuttings (runner tips and stem cuttings only)	**Option 1**: Cuttings from MPI-approved offshore facilities **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.74.1
	Option 2: Cuttings from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.74.2
Tissue cultures	**Option 1**: Tissue cultures from MPI-approved offshore facilities **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.74.3
	Option 2: Tissue cultures from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.74.4

3.74.1 Cuttings option 1

(1) This option applies to cuttings from MPI-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, testing and treatment**: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.74.5 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Fragaria* cuttings have been: • Held and tested for/classified free from specific regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility] **AND**

	• Inspected in accordance with appropriate official procedures and found to be free of any visually detectable pests. **AND** • Treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • Held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. **AND** The following additional declarations must be endorsed on the phytosanitary certificate: "The *Fragaria* cuttings have been • held and tested for/classified free from specific regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility] **AND** • Held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification"

3.74.2 Cuttings option 2

(1) This option applies to cuttings not produced in MPI-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection, testing and treatment**: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.74.5 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Fragaria* cuttings have been: • Inspected in accordance with appropriate official procedures and found to be free of any visually detectable pests. **AND** • Treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • Held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. No additional declarations are required.

3.74.3 Tissue cultures option 1

(1) This option applies to tissue cultures from MPI-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, testing and treatment**: During PEQ, tissue cultures must be inspected, treated and/or tested for regulated pests as specified in 3.74.5 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Fragaria* tissue cultures have been: • Held and tested for/classified free from specific regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • Inspected in accordance with appropriate official procedures and found to be free of any visually detectable pests. **AND** • Held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. **AND** The following additional declarations must be endorsed on the phytosanitary certificate: "The *Fragaria* tissue cultures have been: • held and tested for/classified free from specific regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • Held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification".

3.74.4 Tissue cultures option 2

(1) This option applies to tissue cultures not produced in MPI-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months

	Inspection, testing and treatment: During PEQ, tissue cultures must be inspected, treated and/or tested for regulated pests as specified in 3.74.5 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Fragaria* tissue cultures have been: • Inspected in accordance with appropriate official procedures and found to be free of any visually detectable pests. **AND** • Held in a manner to ensure that infestation/reinfestation does not occur following certification
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. No additional declarations are required.

3.74.5 Inspection, testing and treatment requirements for Fragaria

Organism types	MPI-accepted methods
Mites	Visual inspection **AND** • approved miticide treatments as described in Appendix 3 [cuttings only] **OR** • binocular microscope inspection in PEQ [plants in vitro only]
Nematodes	Growing season inspection in PEQ for symptoms of foliar nematodes
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility. **AND** Growing season inspection in PEQ for symptom expression.
Oomycetes	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility. **AND** Growing season inspection in PEQ for symptom expression.
Bacteria (and diseases caused by bacteria-like organisms)	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility.
Erwinia pyrifoliae	Growing season inspection for symptom expression **AND** PCR
Ralstonia solanacearum (Race 2)	Growing season inspection for symptom expression
Strawberry marginal chlorosis ("*Candidatus* phlomobacter fragariae")	Growing season inspection for symptom expression **AND** PCR
Strawberry rickettsia yellows	Growing season inspection for symptom expression
Xanthomonas arboricola pv. *fragariae*	Growing season inspection for symptom expression **AND** PCR

Organism types	MPI-accepted methods
Xanthomonas fragariae	Growing season inspection for symptom expression **AND** PCR
Xylella fastidiosa	Growing season inspection for symptom expression **AND** PCR
Viruses	
Fragaria chiloensis latent virus [strains not in New Zealand]	PCR **OR** HTS
Raspberry ringspot virus [strains not in New Zealand]	ELISA **OR** PCR **OR** HTS
Strawberry chlorotic fleck virus	PCR **OR** HTS
Strawberry latent ringspot virus [strains not in New Zealand]	ELISA **OR** PCR **OR** HTS
Strawberry mild yellow edge-associated virus	PCR **OR** HTS
Strawberry pallidosis associated virus	PCR **OR** HTS
Strawberry pseudo mild yellow edge virus	PCR **OR** HTS
Strawberry vein banding virus	PCR **OR** HTS
Tobacco necrosis virus [strains not in New Zealand]	ELISA **OR** PCR **OR** HTS
Tobacco streak virus [strains not in New Zealand]	PCR **OR** HTS
Tomato bushy stunt virus	PCR **OR** HTS

Organism types	MPI-accepted methods
Tomato ringspot virus	ELISA **OR** PCR **OR** HTS
Phytoplasmas	Growing season inspection for symptom expression **AND** • Nested PCR **OR** • RT-PCR
Diseases of unknown aetiology	
Strawberry lethal decline diseases	Growing season inspection in PEQ for disease symptom expression

(1) The unit for testing is defined in 1.6.1

(2) Plants in vitro: all tissue culture plantlets must go through a period of dormancy before virus testing to increase the virus titre. Plantlets must also be potted up and grown in a greenhouse approved to Facility Standard: Post-entry Quarantine for Plants PEQ.STD and only material from the greenhouse is to be selected for testing.

(3) Virus testing is to be conducted on new spring growth.

(4) Growing season is defined as an extended period of plant growth that includes environmental conditions equivalent to spring (longer wetter days and colder temperatures), summer (longer dryer days and warm temperatures), and autumn (shorter wetter days and warm but cooling temperatures).

(5) Phytoplasma and bacteria testing is to be conducted at the end of the summer growth period. Plants must be sampled from at least two positions on the apical crown region.

(6) Enzyme linked immunosorbent assay (ELISA) tests. All ELISA tests must be validated using both positive and negative controls prior to use in quarantine testing. Positive, negative, and buffer controls must be used in all tests.

(7) Polymerase chain reaction (PCR) tests. All PCR tests must be validated using positive controls prior to use in quarantine testing. Positive and no template controls must be used in all tests.

(8) Inspection of the *Fragaria* plants by the operator of the PEQ facility for signs of pest and disease must be at least twice per week during periods of active growth.

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests.
- With prior notification, other internationally recognised testing methods may be accepted.

3.75 Freesia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Freesia"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved Countries	All
Quarantine Pests	*"Candidatus* Phytoplasma solani", virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.75.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.75.2
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Naktuinbouw Elite certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.75.3
	Option 2: Dormant bulbs produced with growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit:** Not required, unless required by measures for phytoplasmas **PEQ:** Not required, unless required by measures for phytoplasmas **Special conditions:** Refer to 3.75.4
	Option 3: Dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.75.5
	Option 4: Dormant bulbs with growing season inspection from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.75.6
	Option 5: Dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2

	Minimum period: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: None, refer to general requirements in 1.12

3.75.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.75.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.75.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Naktuinbouw Elite certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the Naktuinbouw Elite (Class SEE or EE) or Select (Class A or E) [choose one] bulb certification scheme."

3.75.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) produced with growing season inspection

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.75.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum Period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.75.6 Dormant bulbs option 4

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.76 Fuchsia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Fuchsia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Aculops fuchsiae* (Fuchsia Gall Mite), *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.76.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.76.2

3.76.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Aculops fuchsiae	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Aculops fuchsiae* is not known to occur in [the country or state where the plants were grown." **OR** • "the plants have been dipped in Carbaryl at the rate of 0.5g a.i. per litre of water."
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.76.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.77 Garcinia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Garcinia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Malaysia
Quarantine pests	*Ganoderma philippii*, *Helicobasidium mompa*, *Pestalotiopsis cruenta*, *Phytophthora palmivora*, *Phellinus noxius*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.77.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.77.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum** period: 3 months **Special conditions**: Refer to 3.77.3

3.77.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

(3) For grafted plants, both the rootstock and stem/canopy must be species of *Garcinia* that are eligible for import in the Plants Biosecurity Index.

Guidance

- *Garcinia mangostana* and *Garcinia xanthochymus* are the only species of *Garcinia* that are eligible for import.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Plants must be held under conditions that favour shoot growth. A total of 3 shoot flushes are required while the plants are in post-entry quarantine. • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal. • Any debris from the *Garcinia* plants on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 6 months

	Inspection, testing and treatment: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.77.4 at the expense of the importer.

3.77.2 Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

(3) Prior to export, cuttings must be leafless, semi-hardwood budwood cuttings.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Plants must be held under conditions that favour shoot growth. A total of 3 shoot flushes are required while the plants are in quarantine. • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal • Any debris from the Garcinia plants on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 6 months **Inspection, testing and treatment**: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.77.4 at the expense of the importer.

Guidance

- Semi-hardwood budwood cuttings do not have older heavily wooded tissue attached.
- Leafless cuttings may be shipped connected to each other via the stem they grow from, i.e., with side shoots still attached to a central shoot.
- Importing budwood for grafting as de-leafed shoots still attached to the primary stem may allow all grafted plants derived from them to be considered as a single consignment lot.

3.77.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be derived from aerial plant parts.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Plants must be held under conditions that favour shoot growth. A total of 3 shoot flushes are required while the plants are in quarantine. • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal • Any debris from the Garcinia plants on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain.

	• Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 3 months **Inspection, testing and treatment**: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.77.4 at the expense of the importer.

3.77.4 Inspection, testing and treatment requirements for Garcinia

Organism types	MPI-accepted methods
Fungi	
Ganoderma nephelii (Red root rot)	Growing season inspection in PEQ for symptom expression
Helicobasidium mompa (violet root rot)	Growing season inspection in PEQ for symptom expression
Pestalotiopsis cruenta	Growing season inspection in PEQ for symptom expression
Phellinus noxius (Brown root rot)	Growing season inspection in PEQ for symptom expression
Oomycetes	
Phytophthora palmivora	PCR (applies to whole plants and cuttings only)

(1) The unit for testing is defined in 1.6.1.

(2) **Sample Collection**: Stem/shoot collected from at least two positions on each stem including:

a) one shoot at the base of the stem; and
b) one shoot in the middle section of the stem.

(3) **Time of testing:** Samples for testing must be collected either:

a) at the beginning of the third flush (if the third flush has occurred naturally); or
b) at the same time as shoot tipping if shoot tipping is used to induce a third flush.

Guidance

- Shoot flushes in PEQ
  - Shoot tipping (pruning to an axillary bud) is expected to artificially induce a new shoot flush. This is an optional method which can be used if a second or third flush will not naturally occur in PEQ.
  - Early shoot tipping of the main stem may help induce branching, to stimulate side shoots from the base and middle parts of the stem that can be sampled for testing. Alternatively, whole plants may be imported with branches that can be sampled.
- Growing conditions
  - It is recommended that a heat mat is used to warm the plant root zone, to maintain active growth under cool conditions.

3.78 Gaultheria

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Gaultheria" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Chrysomyxa ledi*, *Microsphaera* spp., *Phytophthora ramorum*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.78.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.78.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped prior to export in propiconazole at the rate of 0.5g a.i. per litre of water."

Pest	Applies to	Condition
Chrysomyxa ledi and *Microsphaera* spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Chrysomyxa ledi* and *Microsphaera* spp. are not known to occur in [the country or state of where the plants were grown]." **OR** • "The plants were inspected during the growing season and no *Chrysomyxa ledi* or *Microsphaera* spp. was detected."
Phytophthora ramorum	All species	Refer to 2.3

3.79 Gentiana

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Gentiana"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Japan
Quarantine pests	*Cronartium flaccidum*, *Tetranuchus kanzawai*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.79.1
Tissue cultures	**Import permit**: Required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.79.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped on oxycarboxin at 1.5g a.i. per litre of water, prior to export."

3.80 Gerbera

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Gerbera"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma australasiaticum", *Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, *Phytophthora palmivora*, Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrII – peanut witches' broom
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.80.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.80.2

3.80.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Frankliniella occidentalis and *Liriomyza*	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name]. which is free from *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.80.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.81 Gladiolus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Gladiolus"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Phytoplasma 16SrI – aster yellows, *Puccinia gladioli*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.81.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.81.2
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.81.3
	Option 2: Dormant bulbs produced with growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America. **Import permit:** Not required, unless required by measures for phytoplasmas **PEQ:** Not required, unless required by measures for phytoplasmas **Special conditions:** Refer to 3.81.4
	Option 3: Dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.81.5
	Option 4: Dormant bulbs with growing season inspection from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.81.6

	Option 5: Dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.81.7

3.81.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Puccinia gladioli	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Puccinia gladioli* is not known to occur in [the country or state where the plants were grown]". **OR** • "The plants were inspected during the growing season and *Puccinia gladioli* was not detected."

3.81.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.81.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Cleanliness	Bulbs (corms) must be free of leafy coverings
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the BKD Class 1 bulb certification scheme."

3.81.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) produced with growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Cleanliness	Bulbs (corms) must be free of leafy coverings
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.81.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Cleanliness	Bulbs (corms) must be free of leafy coverings

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.81.6 Dormant bulbs option 4

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Cleanliness	Bulbs (corms) must be free of leafy coverings
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment"

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.81.7 Dormant bulbs option 5

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Cleanliness	Bulbs (corms) must be free of leafy coverings

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.82 Glycyrrhiza

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Glycyrrhiza"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Uromyces* spp.
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.82.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.82.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Uromyces spp.	All	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Uromyces* spp. are not known to occur on *Glycyrrhiza* in [the country or state where the plants were grown]." **OR** • "The plants were inspected during the growing season and no *Uromyces* spp. were detected."

3.83 Goodenia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Goodenia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Phytoplasma 16SrII – peanut witches' broom, *Tetranychus kanzawai*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.83.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.83.2

3.83.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.83.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.84 Gypsophila

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Gypsophila"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, Phytoplasma 16SrII – peanut witches' broom, *Tetranychus kanzawai*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.84.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.84.2

3.84.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Frankliniella occidentalis and *Liriomyza*	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name]. which is free from *Phytophthora capsici.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici.*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici.*"
Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.84.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.85 Helianthus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Helianthus"
Approved commodities	Dormant tubers
Approved countries	All
Quarantine pests	*Alternaria helianthi*, *Phymatotrichopsis omnivora*, *Plasmopara halstedii*, *Pseudomonas* spp., *Septoria helianthi*, Uredinales, *Xylella fastidiosa*
Dormant tubers	**Option 1**: Dormant tubers with pest free area declaration for *Phymatotrichopsis omnivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.85.1
	Option 2: Dormant tubers with pest free place of production declaration for *Phymatotrichopsis omnivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.85.2

3.85.1 Dormant tubers option 1

(1) This option applies to dormant tubers with a pest free area declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for tissue cultures are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora.*"
Xylella fastidiosa	All species	Refer to 2.4

3.85.2 Dormant tubers option 2

(1) This option applies to dormant tubers with a pest free place of production declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for tissue cultures are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate. **AND** The additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free place of production', free from *Phymatotrichopsis omnivora*."
Xylella fastidiosa	All species	Refer to 2.4

3.86 Hibiscus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Hibiscus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma solani", *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, Phytoplasma 16SrV–D – "Flavescence dorée", Xylella *fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.86.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.86.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.86.3

3.86.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrV–D – "Flavescence dorée"	All species	Refer to 2.5
Phellinus noxius	*Hibiscus rosa-sinensis*, *Hibiscus schizopetalus and Hibiscus tiliaceus*	Refer to 2.2
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate:

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.86.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrV–D – "Flavescence dorée"	All species	Refer to 2.5
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.86.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and Phytoplasma 16SrV–D – "Flavescence dorée"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.87 Hippeastrum

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Hippeastrum"
Approved commodities	Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Refer to Appendix 5: Hippeastrum Regulated Pests (actionable)
Tissue cultures	**Option 1**: Tissue cultures with parent stock inspection **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.87.1
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.87.2
Dormant bulbs	**Option 1**: All dormant bulbs **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.87.3
	Option 2: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.87.4

3.87.1 Tissue cultures option 1

(1) This option applies to tissue cultures with parent stock inspection.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Hippeastrum* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by providing the following additional declaration to the phytosanitary certificate: • "The *Hippeastrum* tissue cultures have been derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests."

3.87.2 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months
Phytosanitary requirements	The tissue culture media must not contain charcoal.

3.87.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Hippeastrum* dormant bulbs have been: • inspected in accordance with appropriate official procedure and found to be free of any visually detectable regulated pests. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site' free from regulated nematodes and fungi **OR** treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria. **AND** • treated for regulated mites as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: "The *Hippeastrum* dormant bulbs in this consignment have been: • produced in a 'pest free area', 'pest free place of production' or 'pest free production site' free from regulated nematodes and fungi [if applicable]. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria."

3.87.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Hippeastrum* dormant bulbs have been: • produced in accordance with the requirements of the BKD Class 1 certification scheme and inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pest. **AND** • the bulbs are free from *Armillaria mellea* and *Pratylenchus scribneri.* **AND** • produced in a pest free production site for *Hippeastrum* free from regulated nematodes and fungi and held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: • "The *Hippeastrum* dormant bulbs in this consignment have been produced in accordance with the requirements of the BKD Class 1 certification scheme and inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pest. **AND** • the bulbs are free from *Armillaria mellea* and *Pratylenchus scribneri*. **AND** • produced in a pest free production site for *Hippeastrum* free from regulated nematodes and fungi and held in a manner to ensure that infestation/reinfestation does not occur following certification."

3.88 Hoya

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Hoya"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Alstroemeria necrotic streak virus, Tomato chlorotic spot virus
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.88.1
Tissue cultures	**Option 1**: Tissue culture inspected and tested offshore **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.88.2
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.88.3

3.88.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

3.88.2 Tissue cultures option 1

(1) This option applies to tissue cultures inspected and tested offshore.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Pest	Applies to	Condition
Alstroemeria necrotic streak virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from Alstroemeria necrotic streak virus". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area', free from Alstroemeria necrotic streak virus". **OR**

Pest	Applies to	Condition
		• "The [insert plant species] plants have been produced in a 'pest free place of production', free from Alstroemeria necrotic streak virus". **OR** • "The [insert species name] plants have been derived from parent plants that were tested according to an NPPO approved PCR methodology, found free from Alstroemeria necrotic streak virus and held in a manner to prevent infestation while tissue collection was performed"
Tomato chlorotic spot virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from Tomato chlorotic spot virus". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area', free from Tomato chlorotic spot virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', free from Tomato chlorotic spot virus". **OR** • "The [insert species name] plants have been derived from parent plants that were tested according to an NPPO approved PCR methodology, found free from Tomato chlorotic spot virus and held in a manner to prevent infestation while tissue collection was performed."

3.88.3 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

3.89 Hydrangea

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Hydrangea"
Approved commodities	Whole plants Cuttings Tissue cultures Suspended species: All species in the genera *Morus* and *Sambucus*.
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma solani", *Phellinus noxius*, *Phytophthora ramorum*, *Tetranychus kanzawai*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.89.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.89.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.89.3

3.89.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani"	Species of the genus *Hydrangea*	Refer to 2.5
Phellinus noxius	*Hydrangea chinensis*, *Morus alba*	Refer to 2.2
Phytophthora ramorum	All species of the *Hydrangea* and *Sambucus* genera	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.89.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	Species of the genus *Hydrangea*	Refer to 2.5
Phytophthora ramorum	All species of the *Hydrangea* and *Sambucus* genera	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.89.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	Species of the genus *Hydrangea*	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.90 Hypericum

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Hypericum"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma solani", *Tetranychus kanzawai, Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.90.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.90.2

3.90.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.90.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.91 Ilex

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Ilex"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Ceratocystis alfenasii, Phellinus noxius*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.91.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.91.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.91.3

3.91.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis alfenasii	Plants from countries where the pest is known to be present.	Refer to 2.1.1 (as a member of the Ceratocystis fimbriata sensu lato complex [strains not in New Zealand])
Phellinus noxius	*Ilex rotunda*	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

Guidance

- *C. alfenasii* has been reported present in Brazil.

3.91.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis alfenasii	Plants from countries where the pest is known to be present	Refer to 2.1.1 (regulated as a member of the Ceratocystis fimbriata sensu lato complex [strains not in New Zealand])
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

Guidance

- *C. alfenasii* has been reported present in Brazil.

3.91.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.92 Ipomoea batatas

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Ipomoea batatas"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Helicobasidium mompa*, *Ralstonia solanacearum*, *Streptomyces ipomoea*, Sweet potato chlorotic stunt virus, Sweet potato leaf curl virus, virus diseases, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.92.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.92.2

3.92.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
fragaria	All species	**Option 1: Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in a 'pest free area' free from *Ralstonia solanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia solanacearum*".
		Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
Sweet potato chlorotic stunt virus	All species	Testing in PEQ using PCR-based methods
Sweet potato leaf curl virus	All species	Testing in PEQ using PCR-based methods

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.92.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ralstonia solanacearum	All species	**Option 1: Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants have been produced in a 'pest free area' free from *Ralstonia solanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia solanacearum*".
		Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
Sweet potato chlorotic stunt virus	All species	Testing in PEQ using PCR-based methods
Sweet potato leaf curl virus	All species	Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.93 Iris

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Iris"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Refer to Appendix 5: Iris Regulated Pests (actionable)
Whole plants, Cuttings	**Option 1**: All whole plants and cuttings **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.93.1
	Option 2: Whole plants and cuttings from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.93.2
Tissue cultures	**Option 1**: Tissue cultures tested and found free of tobacco rattle virus **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.93.3
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.93.4
Dormant bulbs	**Option 1**: All dormant bulbs **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.93.5
	Option 2: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.93.6

3.93.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

	• With approval from an MPI inspector, flowers cut from imported plants may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Iris* whole plants have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi OR treated for regulated nematodes and fungi as described in Appendix 3 within 7 days prior to freezing, cold-storage or shipment **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to freezing, cold-storage or shipment **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by providing the following additional declaration to the phytosanitary certificate: "The *Iris* whole plants in this consignment have been: • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable]. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria viruses."

3.93.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Iris* whole plants have been: • produced in accordance with the requirements of the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests

	AND • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi OR treated for regulated nematodes and fungi as described in Appendix 3 within 7 days prior to freezing, cold-storage or shipment **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to freezing, cold-storage or shipment **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by providing the following additional declaration to the phytosanitary certificate: "The *Iris* whole plants in this consignment have been: • produced in accordance with the requirements of the BKD Class 1 bulb certification scheme **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable] **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria viruses."

3.93.3 Tissue cultures option 1

(1) This option applies to tissue cultures tested and found free of tobacco rattle virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Iris* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulates pests. **AND** • derived from parent stock tested using molecular/serological methods [choose one option] and found free of tobacco rattle virus.

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by providing the following additional declaration to the phytosanitary certificate: "The *Iris* plants in tissue culture have been derived from parent stock: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • tested using molecular/serological methods [choose one option] and found free of tobacco rattle virus."

3.93.4 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months
Phytosanitary requirements	The tissue culture media must not contain charcoal.

Pest	Applies to	Condition
Tobacco rattle virus	All species	Testing in PEQ using molecular or serological methods.

3.93.5 Dormant bulbs option 1

(1) This option applies to dormant bulbs.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months • With approval from an MPI inspector, flowers cut from imported plants may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Iris* dormant bulbs have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses **AND**

	• treated for regulated insects and mites as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** (choose one) – produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: "The *Iris* dormant bulbs in this consignment have been: • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable] **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria viruses."

3.93.6 Dormant bulbs option 2

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Iris* dormant bulbs have been: • produced in accordance with the requirements of the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses **AND** • treated for regulated insects and mites as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification **AND** (choose one)

	– produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: "The *Iris* dormant bulbs in this consignment have been: • produced in accordance with the requirements of the BKD Class 1 bulb certification scheme **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable] **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria viruses."

3.94 Jasminum

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Jasminum"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma solani", Phytoplasma 16SrII – peanut witches' broom
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.94.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.94.2

3.94.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani" and Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.94.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani" and Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.95 Juglans

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Juglans" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.
Quarantine pests	*Ceratocystis fimbriata*, *Erwinia nigrifluens*, *Erwinia quercina* pv. *rubrifaciens*, *Gnomonia leptostyla*, walnut blackline, walnut bunch/brooming disease, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.95.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.95.2

3.95.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Juglans* genus	Refer to 2.1
Xylella fastidiosa	All species	Refer to 2.4

3.95.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species of the *Juglans* genus	Refer to 2.4

3.96 Juniperus

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Juniperus" Suspended species: *Cryptomeria japonica*
Approved commodities	Whole plants Cuttings
Approved countries	All
Quarantine pests	*Bursaphelenchus* spp., *Lophodermium* spp., *Phytophthora austrocedri*, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.96.1

3.96.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Phytophthora austrocedri	All species of the *Juniperus* genus	Growing season inspection in PEQ for symptom expression
Xylella fastidiosa	All species	Refer to 2.4

3.97 Kalmia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Kalmia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	**Whole plants and cuttings**: Australia **Tissue cultures**: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.
Quarantine pests	*Chrysomyxa ledi*, *Microsphaera* spp., *Phytophthora ramorum*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.97.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.97.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

(3) Whole plants and cuttings can only be imported from Australia.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped prior to export in propiconazole at the rate of 0.5g a.i per litre of water."

Pest	Applies to	Condition
Chrysomyxa ledi and *Microsphaera* spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Chrysomyxa ledi* and *Microsphaera spp.* are not known to occur in [the country or state where the plants were grown]". **OR** • "The plants were inspected during the growing season and no *Chrysomyxa ledi* and *Microsphaera* spp. was detected".
Phytophthora ramorum	All species	Refer to 2.3.

3.98 Lavandula

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Lavandula"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma solani", "*Candidatus* Phytoplasma trifolii", *Phytophthora capsici*, *Phytophthora palmivora*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.98.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.98.2

3.98.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and "*Candidatus* Phytoplasma trifolii"	All species	Refer to 2.5
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

Pest	Applies to	Condition
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.98.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and "*Candidatus* Phytoplasma trifolii"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.99 Lespedeza

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Lespedeza"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma trifolii", Phytoplasma 16SrI – aster yellows
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.99.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.99.2

3.99.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma trifolii" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.99.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma trifolii" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.100 Liatris

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Liatris"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	*Phymatotrichopsis omnivora*, Uredinales
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.100.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11
Dormant bulbs	**Option 1**: Dormant bulbs with growing season inspection additional declaration from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.100.2
	Option 2: All dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom. **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.100.3
	Option 3: Dormant bulbs with a pest free area additional declaration for *Phymatotrichopsis omnivora* from the United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.100.4
	Option 4: Dormant bulbs with pest free place of production additional declaration for *Phymatotrichopsis omnivora* from the United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.100.5

3.100.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]".

3.100.2 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom:

a) with a growing season inspection

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required

Pest	Applies to	Condition
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.100.3 Dormant bulbs option 2

(1) This option applies to dormant bulbs imported from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

3.100.4 Dormant bulbs option 3

(1) This option applies to dormant bulbs from the United States of America:

a) with a pest free area additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests".

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant tubers have been produced in a 'pest free area', free from *Phymatotrichopsis omnivora*".

3.100.5 Dormant bulbs option 4

(1) This option applies to dormant bulbs from the United States of America:

a) with a pest free place of production additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests".

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant tubers have been produced in a 'pest free place of production, free from *Phymatotrichopsis omnivora*". **AND** The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.

3.101 Lilium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Lilium"
Approved commodities	Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Refer to Appendix 5: Lilium Regulated Pests (actionable)
Tissue cultures	**Option 1**: Tissue cultures inspected and tested offshore **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.101.1
	Option 2: All tissue cultures **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.101.2
Dormant bulbs	**Option 1**: All dormant bulbs **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.101.3
	Option 2: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.101.4

3.101.1 Tissue cultures option 1

(1) This option applies to tissue cultures inspected and tested offshore.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Lilium* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests

	AND • derived from parent stock tested using molecular/serological methods [choose one option] and found free of apple stem grooving virus and tobacco rattle virus.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declarations on the phytosanitary certificate: "The *Lilium* tissue cultures have been derived from parent stock: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • tested using molecular/serological methods [choose one] and found free of apple stem grooving virus and tobacco rattle virus."

Pest	Applies to	Condition
"Candidatus Phytoplasma mali", *"Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.101.2 Tissue cultures option 2

(1) This option applies to tissue cultures.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas
Phytosanitary requirements	The tissue culture media must not contain charcoal.

Pest	Applies to	Condition
Apple stem grooving virus	All species	Testing in PEQ using molecular or serological methods.
"Candidatus Phytoplasma mali", *"Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Tobacco rattle virus	All species	Testing in PEQ using molecular or serological methods.

3.101.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas • With approval from an MPI inspector, flowers cut from imported plants may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection (including inspection for bulbils).
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Lilium* dormant bulbs have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses **AND** • treated for regulated insects and mites as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification **AND** (choose one) – produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: "The *Lilium* dormant bulbs in this consignment have been: • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable] **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free form regulated bacteria and viruses." **AND** One of the following additional declarations for *Phytophthora capsici:* • *"*The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*." **OR** • *"*The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • *"*The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."

Pest	Applies to	Condition
"Candidatus Phytoplasma mali", *"Candidatus* Phytoplasma solani" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5

3.101.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Lilium* dormant bulbs have been: • produced in accordance with the requirements of the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme. **AND** • inspected in accordance with appropriate official procedures and found to free of any visually detectable regulated pests. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** (choose one) – produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declarations to the phytosanitary certificate: "The *Lilium* dormant bulbs in this consignment have been: • produced in accordance with the requirements of the BKD Class 1 bulb certification scheme. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable] **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free form regulated bacteria and viruses. **AND** One of the following additional declarations for *Phytophthora capsici:* • *"*The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*."

	OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*." **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*."

3.102 Limonium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Limonium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Phytoplasma 16SrII – peanut witches' broom, Phytoplasma 16SrV – elm yellows
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.102.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.102.2

3.102.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrII – peanut witches' broom and Phytoplasma 16SrV – elm yellows	All species	Refer to 2.5

3.102.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrII – peanut witches' broom and Phytoplasma 16SrV – elm yellows	All species	Refer to 2.5

3.103 Liriodendron

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Liriodendron" Suspended species: *Ostrya virginiana*.
Approved commodities	Whole plants (dormant) Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	*Ceratocystis fimbriata*, *Cryphonectria parasitica*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants (dormant), Cuttings (dormant)	**Option 1**: Whole plants (dormant) and cuttings (dormant) with an additional declaration for area freedom from *Cryphonectria parasitica* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.103.1
	Option 2: All whole plants (dormant) and cuttings (dormant) **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.103.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.103.3

3.103.1 Whole plants (dormant), Cuttings (dormant) option 1

(1) This option applies to whole plants (dormant) and cuttings (dormant) with an additional declaration for area freedom from *Cryphonectria parasitica*.

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	*Ostrya virginiana*	Refer to 2.1
Cryphonectria parasitica	*Liriodendron tulipifera, Ostrya virginiana*	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Cryphonectria parasitica* is not known to occur in [the country or state where the plants/cuttings were produced]"
Phytophthora ramorum	All species of the genus *Liriodendron*	Refer to 2.3

Pest	Applies to	Condition
Xylella fastidiosa	All species of the genus *Liriodendron*	Refer to 2.4

3.103.2 Whole plants (dormant), Cuttings (dormant) option 2

(1) This option applies to whole plants (dormant) and cuttings (dormant).

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	*Ostrya virginiana*	Refer to 2.1
Phytophthora ramorum	All species of the genus *Liriodendron*	Refer to 2.3
Xylella fastidiosa	All species of the genus *Liriodendron*	Refer to 2.4

3.103.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species of the genus *Liriodendron*	Refer to 2.4

3.104 Litchi

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Litchi" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia
Quarantine pests	*Aceria litchii*, *Phellinus noxius*, Xyloryctidae (Lepidoptera)
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.104.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions:** Refer to 3.104.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.104.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Aceria litchii and members of the Xyloryctidae family	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "The plants were grown on a nursery that has been inspected for the presence of *Aceria litchii* and members of the Xyloryctidae family and none were found".
Phellinus noxius	All species	Refer to 2.2

3.104.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Aceria litchii and members of the Xyloryctidae family	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "The plants were grown on a nursery that has been inspected for the presence of *Aceria litchii* and members of the Xyloryctidae family and none were found".

3.105 Lithocarpus densiflorus Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Lithocarpus densiflorus" Suspended species: All
Approved commodities	Whole plants (dormant) Cuttings (dormant) Tissue cultures
Approved countries	Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fagacearum*, *Cronartium quercuum*, *Phytophthora ramorum*, *Tortricidae*
Whole plants (dormant), Cuttings (dormant)	**Option 1**: Whole plants (dormant) and cuttings (dormant) with an additional declaration for *Ceratocystis fagacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.105.1
	Option 2: All whole plants (dormant) and cuttings (dormant) **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.105.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.105.3

3.105.1 Whole plants (dormant), Cuttings (dormant) option 1

(1) This option applies to whole plants (dormant) and cuttings (dormant) with an additional declaration for *Ceratocystis fagacearum*.

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months
Additional declarations to the phytosanitary certificate	"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water"

Pest	Applies to	Condition
Ceratocystis fagacearum	All species	**Whole plants:** The following additional declarations must be endorsed on the phytosanitary certificate: • "*Ceratocystis fagacearum* is not known to occur in _____ [the country or state where the plants/cuttings were grown". **Cuttings:** The following additional declaration must be endorsed on the phytosanitary certificate: • "The tree(s) from which this material was taken, was inspected during the previous growing season and no *Ceratocystis fagacearum* was detected." **Young Plants:** The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants were inspected during the previous growing season and no *Ceratocystis fagacearum* was detected."
Phytophthora ramorum	All species	Refer to 2.3.

3.105.2 Whole plants (dormant), Cuttings (dormant) option 2

(1) This option applies to whole plants (dormant) and cuttings (dormant).

(2) General requirements for whole plants (dormant) and cuttings (dormant) are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

3.105.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required
Post-entry quarantine	Not required

3.106 Lophophora williamsii Suspended

Before applying for an import permit, the importer must obtain written approval to import from: **Medicines Control** **Medsafe** **Email:** medicinescontrol@health.govt.nz **Phone: (04) 816 2444**	
Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Lophophora williamsiii" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	None
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: None, refer to general requirements in 1.10
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.107 Malus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Malus"
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Malus Regulated Pests (actionable)
Cuttings (dormant)	**Option 1**: Cuttings from plants held for a minimum of two growing seasons in an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.107.1
	Option 2: Cuttings from plants held for a minimum of one growing season in an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 12 months **Special conditions**: Refer to 3.107.2
	Option 3: Cuttings from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 24 months **Special conditions**: Refer to 3.107.3
Tissue cultures	**Option 1**: Tissue cultures from plants held for a minimum of two growing seasons in an MPI-approved offshore facility **PEQ**: Level 2 **Minimum period**: 6 months **Import permit**: Required **Special conditions**: Refer to 3.107.4
	Option 2: Tissue cultures from plants held for a minimum of one growing season in an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 12 months **Special conditions**: Refer to 3.107.5
	Option 3: Tissue cultures from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 24 months **Special conditions**: Refer to 3.107.6

3.107.1 Cuttings (dormant) option 1

(1) This option applies to cuttings from plants held for a minimum of **two growing seasons** in an MPI-approved offshore facility.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, treatment and testing**: Plants must be inspected, treated and/or tested for regulated pests, at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Malus* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described Appendix 3 within 7 days prior to shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section [cuttings only] and by providing the following additional declarations to the phytosanitary certificate: "The *Malus* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.107.2 Cuttings (dormant) option 2

(1) This option applies to cuttings from plants held for a minimum of **one growing season** in an MPI-approved offshore facility.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A • Plants must be irrigated using a method which prevents water coming into contact with plant foliage (such as drip irrigation). Overhead irrigation must not be used. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 12 months (including at least one period of six months of active continuous growth)

	Inspection, treatment and testing: Plants must be inspected, treated and/or tested for regulated pests, at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Malus* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described Appendix 3 within 7 days prior to shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section [cuttings only] and by providing the following additional declarations to the phytosanitary certificate: "The *Malus* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.107.3 Cuttings (dormant) option 3

(1) This option applies to cuttings from non-approved facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 24 months **Inspection, treatment and testing**: During PEQ, imported material must be inspected, treated and/or tested for regulated pests as specified in 3.107.7 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Malus* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described Appendix 3 within 7 days prior to shipment.

	AND • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. No additional declarations are required.

3.107.4 Tissue cultures option 1

(1) This option applies to tissue cultures which have been held for a minimum of **two growing seasons** in an MPI-approved offshore facility.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, treatment and testing**: Plants must be inspected, treated and/or tested for regulated pests, at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Malus* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	The following additional declarations must be endorsed on the phytosanitary certificate: "The *Malus* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.107.5 Tissue cultures option 2

(1) This option applies to tissue which have been held for a minimum of **one growing season** in an MPI-approved offshore facility.

(2) Entry conditions as per 1.11, with variations and additional conditions as specified below:

(3) General requirements for tissue cultures are set out in 1.11.

(4) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A • Plants must be irrigated using a method which prevents water coming into contact with plant foliage (such as drip irrigation). Overhead irrigation must not be used. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 12 months (including at least one period of six months of active continuous growth) **Inspection, treatment and testing**: Plants must be inspected, treated and/or tested for regulated pests, at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Malus* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	The following additional declarations must be endorsed on the phytosanitary certificate: "The *Malus* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.107.6 Tissue cultures option 3

(1) This option applies to tissue cultures from non-approved facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 24 months **Inspection, treatment and testing**: During PEQ, imported material must be inspected, treated and/or tested for regulated pests as specified in 3.107.7 at the expense of the importer.

Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Malus* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section.

3.107.7 Inspection, testing and treatment requirements for Malus

Organism types	MPI-accepted methods
Mites	• Visual inspection **AND** • approved miticide treatments as described in Appendix 3 [cuttings only] **OR** • binocular microscope inspection in PEQ [tissue cultures only]
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility. **AND** Growing season inspection in PEQ for symptom expression
Oomycetes	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility. **AND** Growing season inspection in PEQ for symptom expression
Bacteria	
Pseudomonas syringae pv. *papulans*	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility. **AND** PCR
Viruses	
Cherry rasp leaf virus	PCR **OR** HTS
Tomato bushy stunt virus	PCR **OR** HTS
Tomato ringspot virus	ELISA **OR** PCR **OR** HTS

Organism types	MPI-accepted methods
Viroids	
Apple dimple fruit viroid	PCR **OR** HTS
Apple fruit crinkle viroid	PCR **OR** HTS
Apple scar skin viroid	PCR **OR** HTS
Phytoplasmas	
"Candidatus Phytoplasma asteris" (Apple sessile leaf phytoplasma)	Nested PCR **OR** Real Time PCR using universal phytoplasma primers
"Candidatus Phytoplasma mali" (Apple proliferation phytoplasma)	Nested PCR **OR** Real Time PCR using universal phytoplasma primers
Diseases of unknown aetiology	
Apple brown ringspot agent	Growing season inspection in PEQ for disease symptom expression
Apple bumpy fruit agent	Growing season inspection in PEQ for disease symptom expression
Apply bunchy top agent	Growing season inspection in PEQ for disease symptom expression
Apple dead spur agent	Growing season inspection in PEQ for disease symptom expression
Apple decline	Growing season inspection in PEQ for disease symptom expression
Apple freckle scurf agent	Growing season inspection in PEQ for disease symptom expression
Apple green dimple and ring blotch agent	Growing season inspection in PEQ for disease symptom expression
Apple junction necrotic pitting agent	Growing season inspection in PEQ for disease symptom expression
Apple McIntonsh depression agent	Growing season inspection in PEQ for disease symptom expression
Apple narrow leaf agent	Growing season inspection in PEQ for disease symptom expression
Apple Newton wrinkle agent	Growing season inspection in PEQ for disease symptom expression
Apple pustule canker agent	Growing season inspection in PEQ for disease symptom expression
Apple red ring agent	Growing season inspection in PEQ for disease symptom expression
Apple rosette agent	Growing season inspection in PEQ for disease symptom expression
Apple rough skin agent	Growing season inspection in PEQ for disease symptom expression
Apple russet wart agent	Growing season inspection in PEQ for disease symptom expression
Apple star crack agent	Growing season inspection in PEQ for disease symptom expression

Organism types	MPI-accepted methods
Apple transmissible internal bark necrosis agent	Growing season inspection in PEQ for disease symptom expression

(1) 'Pest free area' or 'pest free place of production' endorsements for regulated viruses, viroids, phytoplasmas, and diseases of unknown aetiology must be assessed by MPI prior to permit issue. The NPPO of the exporting country must endorse additional declarations on the phytosanitary certificate, to be considered equivalent to testing in post-entry quarantine.

(2) The unit for testing is defined in 1.6.1

(3) Tissue culture plantlets must be deflasked and grown in a post-entry quarantine greenhouse, only material from the greenhouse is to be selected for testing.

(4) Growing season is defined as an extended period of plant growth that includes environmental conditions equivalent to spring (longer, wetter days and colder temperatures), summer (longer, dryer days and warm temperatures), and autumn (shorter, wetter days and warm but cooling temperatures).

(5) Virus testing is to be conducted on new spring growth.

(6) Phytoplasma and bacteria testing is to be conducted at the end of the summer growth period.

(7) Inspection of the Malus plants by the operator of the PEQ facility for signs of pest and disease must be at least twice per week for the first three months of active growth, and during spring and autumn. All other times of active growth (summer), plants should be inspected once per week. A record of inspections carried out by the Operator is to be kept and made available to the MPI Inspector on request.

Guidance

- With prior notification, other internationally recognised testing methods may be accepted.

3.108 Malva

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Malva"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved Countries	All
Quarantine Pests	'*Candidatus* Phytoplasma solani', *Puccinia modiolae*, Tomato brown rugose fruit virus, *Xylella fastidiosa*
Whole plants, Cuttings	**Option 1**: Whole plants and cuttings with a pest freedom additional declaration for tomato brown rugose fruit virus **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.108.1
	Option 2: Whole plants and cuttings **without** a pest freedom additional declaration for tomato brown rugose fruit virus **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.108.2
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for tomato brown rugose fruit virus **Import permit**: Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.108.3
	Option 2: Tissue cultures without a pest freedom additional declaration for tomato brown rugose fruit virus **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.108.4

3.108.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings with a pest freedom additional declaration for tomato brown rugose fruit virus.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'*Candidatus* Phytoplasma solani',	All species	Refer to 2.5
Puccinia modiolae	All species	Growing season inspection in PEQ for symptom expression
Tomato brown rugose fruit virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from Tomato brown rugose fruit virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved PCR methodology and found free from Tomato brown rugose fruit virus".
Xylella fastidiosa	All species	Refer to 2.4

3.108.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings without a pest freedom additional declaration for tomato brown rugose fruit virus.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'*Candidatus* Phytoplasma solani',	All species	Refer to 2.5
Puccinia modiolae	All species	Growing season inspection in PEQ for symptom expression
Tomato brown rugose fruit virus	All species	Testing in PEQ with PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.108.3 Tissues culture option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for tomato brown rugose fruit virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'*Candidatus* Phytoplasma solani',	All species	Refer to 2.5
Tomato brown rugose fruit virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from Tomato brown rugose fruit virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved PCR methodology and found free from Tomato brown rugose fruit virus".
Xylella fastidiosa	All species	Refer to 2.4

3.108.4 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for tomato brown rugose fruit virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for Phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
'*Candidatus* Phytoplasma solani',	All species	Refer to 2.5
Tomato brown rugose fruit virus	All species	Testing in PEQ with PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.109 Mangifera

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Mangifera" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, India, Mexico, Pakistan, Philippines
Quarantine pests	*Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora palmivora*, *Xanthomonas campestris* pv. *mangiferae-indicae*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.109.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.109.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.109.3

3.109.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Mangifera* genus	Refer to 2.1
Phellinus noxius	*Mangifera indica*	Refer to 2.2
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*"
Xanthomonas campestris pv. *mangiferae-indicae*	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Xanthomonas campestris* pv. *mangiferae-indicae* is not known to occur in [the country or state where the plants were grown]". **OR** • "The plants were inspected during the growing season and no *Xanthomonas campestris* pv. *mangiferae-indicae* was detected".
Xylella fastidiosa	All species	Refer to 2.4

3.109.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Mangifera* genus	Refer to 2.1
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*"
Xanthomonas campestris pv. *mangiferae-indicae*	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Xanthomonas campestris* pv. *mangiferae-indicae* is not known to occur in [the country or state where the plants were grown]". **OR** • "The plants were inspected during the growing season and no *Xanthomonas campestris* pv. *mangiferae-indicae* was detected".
Xylella fastidiosa	All species	Refer to 2.4

3.109.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Xanthomonas campestris pv. *mangiferae-indicae*	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Xanthomonas campestris* pv. *mangiferae-indicae* is not known to occur in [the country or state where the plants were grown]". **OR** • "The plants were inspected during the growing season and no *Xanthomonas campestris* pv. *mangiferae-indicae* was detected".
Xylella fastidiosa	All species	Refer to 2.4

3.110 Metrosideros

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Metrosideros" Suspended species: All species in the genera are suspended: *Acca, Actinodium, Angophora, Astartea, Austromyrtus, Backhousia, Baeckea, Beaufortia, Calothamnus, Calytrix, Chamelaucium, Cyathostemon, Darwinia, Eremaea, Hypocalymma, Lophomyrtus, Lophostemon, Luma, Melaleuca, Micromyrtus, Neofabricia, Plinia, Pimenta, Regelia, Scholtzia, Thryptomene, Verticordia.*
Approved commodities	Whole plants Cuttings Tissue cultures Suspended commodities: Whole plants and cuttings for *Psidium* only.
Approved countries	All
Quarantine pests	*Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora palmivora*, *Puccinia psidii* sensu lato (s.l.) complex (including *Uredo rengelii*), *Xylella fastidiosa*
Whole plants	**Option 1**: Whole plants **with** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.110.1
	Option 2: Whole plants **without** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.110.2
Cuttings	**Option 1**: Cuttings **with** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.110.3
	Option 2: Cuttings **without** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.110.4
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.110.5
	Option 2: Tissue cultures **without** a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*) **Import permit**: Required

	PEQ: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 post entry quarantine greenhouse if required by measures for *Xylella fastidiosa* **Minimum period**: 4 weeks, then 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.110.6

3.110.1 Whole plants option 1

(1) This option applies to whole plants with a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Metrosideros* and *Pimenta* genera	Refer to 2.1
Phellinus noxius	*Melaleuca leucadendra*	Refer to 2.2
Phytophthora palmivora	All species of the *Psidium* genus	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*"
Puccinia psidii s.l. complex (including *Uredo rangelii*)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in [the country of origin]".
Xylella fastidiosa	All species of the following genera: *Callistemon*, *Leptospermum*, *Metrosideros*, *Myrtus* and *Psidium*	Refer to 2.4

3.110.2 Whole plants option 2

(1) This option applies to whole plants without a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Metrosideros* and *Pimenta* genera	Refer to 2.1
Xylella fastidiosa	All species of the following genera: *Callistemon*, *Leptospermum*, *Metrosideros*, *Myrtus* and *Psidium*	Refer to 2.4

3.110.3 Cuttings option 1

(1) This option applies to cuttings with pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Metrosideros* and *Pimenta* genera	Refer to 2.1
Phytophthora palmivora	All species of the *Psidium* genus	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*"
Puccinia psidii s.l. complex (including *Uredo rangelii*)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in [the country of origin]".

Pest	Applies to	Condition
Xylella fastidiosa	All species of the following genera: *Callistemon*, *Leptospermum*, *Metrosideros*, *Myrtus* and *Psidium*	Refer to 2.4

3.110.4 Cuttings option 2

(1) This option applies to cuttings without a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Metrosideros* and *Pimenta* genera	Refer to 2.1
Xylella fastidiosa	All species of the following genera: *Callistemon*, *Leptospermum*, *Metrosideros*, *Myrtus* and *Psidium*	Refer to 2.4

3.110.5 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Puccinia psidii s.l. complex (including *Uredo rangelii*)	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in [the country of origin]". **OR** • "The tissue cultures in this consignment have been actively growing in the culture container for at least four weeks at temperatures between 15–23 °C (59–73.4 °F)".

Pest	Applies to	Condition
Xylella fastidiosa	All species of the following genera: *Callistemon*, *Leptospermum*, *Metrosideros*, *Myrtus* and *Psidium*	Refer to 2.4

3.110.6 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangelii*).

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 post entry greenhouse if required by measures for *Xylella fastidiosa* **Minimum period**: 4 weeks, or 6 months if required by measures for *Xylella fastidiosa*

(4) If tissue cultures require PEQ in a Level 2 greenhouse for minimum of 6 months as per 2.4 'Measures for *Xylella fastidiosa*':

a) the tissue cultures must complete the minimum 4 weeks PEQ in a Level 2 post-entry quarantine tissue culture laboratory **before** being deflasked into the post-entry quarantine greenhouse.
b) the culture containers are not to be opened during the minimum 4-week quarantine period in the Level 2 post-entry quarantine tissue culture laboratory.

Pest	Applies to	Condition
Xylella fastidiosa	All species of the following genera: *Callistemon*, *Leptospermum*, *Metrosideros*, *Myrtus* and *Psidium*	Refer to 2.4

3.111 Miscanthus × giganteus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Miscanthus × giganteus"
Approved commodities	Tissue cultures
Approved countries	United Kingdom and United States of America
Quarantine pests	Refer to Appendix 5: Miscanthus × giganteus regulated pests (actionable)
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: Active continuous growth for 60 days, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.111.1 and 3.111.2

3.111.1 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Minimum average daily temperature of 20 °C and 8-hour light period • Sub-culturing is not to be undertaken during the PEQ period without prior approval from MPI **Minimum period**: Active continuous growth for 60 days, or 6 months if required by measures for *Xylella fastidiosa* **Inspection, testing and treatment**: Where an additional declaration cannot be attested to on the phytosanitary certificate by the NPPO, testing of material shall be completed in post-entry quarantine upon arrival in New Zealand as specified in 3.111.2.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Miscanthus x giganteus* plants in tissue culture have been: • derived from mother plants which were not expressing symptoms of infection by regulated pests prior to the excision of the in-vitro plantlets. **AND** • derived from explant material which has been surface sterilised in a solution of 0.5% sodium hypochlorite and sterile water, or MPI-approved alternative treatment. **AND** • propagated in culture media which is clear. **AND** • prepared by asexual reproduction (clonal techniques) under sterile conditions. **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declaration to the phytosanitary certificate: "The Miscanthus x giganteus plants in-vitro in this consignment have been: • derived from mother plants produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from *Leifsonia xyli* subsp. *xyli*, Miscanthus streak virus, and Sugarcane mosaic virus **AND** (choose one) – derived from mother plants produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from *Ustilago scitaminea* **OR** – derived from explants that have been subjected to two consecutive hot water treatments at a minimum temperature of 50 °C for 3 hours per treatment **OR** – two consecutive hot water treatments at a minimum temperature of 52 °C for 1 hour per treatment"

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.111.2 Inspection, testing and treatment requirements for Miscanthus × giganteus

Organism	MPI-Accepted Methods
Fungi	
Ustilago scitaminea	• PCR/BIO-PCR **OR** • Two consecutive hot water treatments at a minimum temperature of 50 °C for 3 hours per treatment **OR** • Two consecutive hot water treatments at a minimum temperature of 52 °C for 1 hour per treatment
Bacteria	
Leifsonia xyli subsp. x*yli*	• PCR/BIO-PCR **OR** • Fluorescence-antibody staining of sap extracts, concentrated on membrane filters by filtration with observation by epifluorescence microscopy
Xylella fastidiosa	PCR
Viruses	
Miscanthus streak virus	PCR
Sugarcane mosaic virus	• PCR **OR** • ELISA

(1) Unit for testing: The unit for testing is defined in 1.6.1

(2) Sample size for testing: Sample size required for testing will be determined by MPI based on the specific test to be undertaken.

(3) Enzyme linked immunosorbent assay (ELISA) tests: All ELISA tests must be validated using positive controls prior to use in quarantine testing. Positive, negative, and buffer controls must be used in all tests unless indicated otherwise by MPI.

(4) Polymerase chain reaction (PCR) tests: All PCR tests must be validated using positive controls prior to use in quarantine testing. Positive and no template controls must be used in all tests. Internal control primers and a negative plant control shall be used in PCR tests unless indicated otherwise by MPI.

(5) Inspection: The operator of the PEQ facility must inspect the plants for signs of pest and disease at least twice per week during periods of active growth.

Guidance

- With prior notification, other internationally recognised testing methods may be accepted.

3.112 Monarda

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Monarda"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma solani", *Tetranychus kanzawai*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.112.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.112.2

3.112.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.112.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5

3.113 Musa

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Musa" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Bunchy top virus, *Cosmopolites sordidus*, *Fusarium oxysporum* f.sp *cubense*, *Mycosphaerella fijensis*, *Pseudomonas solanacearum*, *Radopholus similis*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.113.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.113.2

3.113.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 3 months

3.113.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 3 months

Pest	Applies to	Condition
Bunchy top virus	All species	Additional Declaration: • "The tissue cultures have been derived from parent stock tested and found free of Bunchy top virus".

3.114 Nandina

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Nandina"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Alternanthera mosaic virus, *Phellinus noxius*, Plantago asiatica mosaic virus (synonym Nandina mosaic virus), *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.114.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.114.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.114.3

3.114.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Alternanthera mosaic virus and Plantago asiatica mosaic virus	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Alternanthera mosaic virus and Plantago asiatica mosaic virus are not known to occur in [the country or state where the plants were grown]".
Phellinus noxius	All species	Refer to 2.2
Xylella fastidiosa	All species	Refer to 2.4

3.114.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Alternanthera mosaic virus and Plantago asiatica mosaic virus	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Alternanthera mosaic virus and Plantago asiatica mosaic virus are not known to occur in [the country or state where the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.114.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Alternanthera mosaic virus and Plantago asiatica mosaic virus	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Alternanthera mosaic virus and Plantago asiatica mosaic virus are not known to occur in [the country or state where the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.115 Narcissus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Narcissus"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma australasiaticum", *"Candidatus* Phytoplasma solani", *Frankliniella occidentalis*, *Hepialus lupulinus*, *Lilioceris lilii*, *Pratylenchus scribneri*, *Ramularia vallisumbrosae*, *Sclerotinia polyblastis*, virus diseases.
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.115.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.115.2
Dormant bulbs	**Option 1**: Dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.115.3
	Option 2: Dormant bulbs produced with growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit:** Not required, unless required by measures for phytoplasmas **PEQ:** Not required, unless required by measures for phytoplasmas **Special conditions:** Refer to 3.115.4
	Option 3: Dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.115.5
	Option 4: Dormant bulbs with a growing season inspection and treated as described in Appendix 4 from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.115.6

	Option 5: Dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.115.7

3.115.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum" and *"Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.115.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."
"Candidatus Phytoplasma australasiaticum" and *"Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.115.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of the dormant bulbs prior to shipment, the imported bulbs meet the requirements of the BKD Class 1 bulb certification scheme."

3.115.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) produced with growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum" and "*Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.115.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum" and "*Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.115.6 Dormant bulbs option 4

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden or the United Kingdom or the United States of America:

a) with a growing season inspection; and
b) treated as described in Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period:** 3 months, or 6 months if required by measures for phytoplasmas
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum" and *"Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.115.7 Dormant bulbs option 5

(1) This option applies to dormant bulbs from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, the United Kingdom, and the United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum" and *"Candidatus* Phytoplasma solani"	All species	Refer to 2.5

3.116 Nephelium lappaceum

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Nephelium lappaceum"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Malaysia, Thailand
Quarantine pests	Refer to Appendix 5: Nephelium lappaceum regulated pests (actionable)
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.116.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.116.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.116.3

3.116.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

(3) For grafted plants, both the rootstock and stem/canopy must be species of *Nephelium* that are eligible for import in the Plants Biosecurity Index.

Guidance

- *Nephelium lappaceum* is the only species of *Nephelium* that is eligible for import.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Plants must be held under conditions that favour shoot growth. A total of 3 shoot flushes are required while the plants are in quarantine. • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal • Any debris from the *Nephelium lappaceum* plants on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 6 months **Inspection, testing and treatment**: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.116.4 at the expense of the importer.

3.116.2 Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

(3) Prior to export, cuttings must be leafless, semi-hardwood budwood cuttings.

Guidance

- Semi-hardwood budwood cuttings do not have older heavily wooded tissue attached.
- Leafless cuttings may be shipped connected to each other via the stem they grow from, i.e., with side shoots still attached to a central shoot.
- Importing budwood for grafting as de-leafed shoots still attached to the primary stem may allow all grafted plants derived from them to be considered as a single consignment lot.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Plants must be held under conditions that favour shoot growth. A total of 3 shoot flushes are required while the plants are in quarantine. • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal • Any debris from the *Nephelium lappaceum* plants on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 6 months **Inspection, testing and treatment**: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.116.4 at the expense of the importer.

3.116.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be derived from aerial plant parts.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 • Plants must be held under conditions that favour shoot growth. A total of 3 shoot flushes are required while the plants are in quarantine. • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal. • Any debris from the *Nephelium lappaceum* plants on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual. **Minimum period**: 3 months

	Inspection, testing and treatment: During PEQ, cuttings must be inspected, treated and/or tested for regulated pests as specified in 3.116.4 at the expense of the importer.

3.116.4 Inspection, testing and treatment requirements for Nephelium

Organism types	MPI-accepted methods
Fungi	
Corticium koleroga (Thread blight fungus)	Growing season inspection in PEQ for symptom expression
Dolabra nephelii	Growing season inspection in PEQ for symptom expression
Erysiphe quercicola (Powdery mildew of rambutan)	Growing season inspection in PEQ for symptom expression
Helicobasidium mompa (violet root rot)	Growing season inspection in PEQ for symptom expression
Lasiodiplodia hormozganensis	Growing season inspection in PEQ for symptom expression
Lasiodiplodia iraniensis	Growing season inspection in PEQ for symptom expression
Lasiodiplodia pseudotheobromae	Plating onto suitable isolation medium or PCR (applies to whole plants and cuttings only)
Pestalotiopsis cruenta	Growing season inspection in PEQ for symptom expression
Pestalotiopsis mangiferae	Growing season inspection in PEQ for symptom expression
Pestalotiopsis virgatula	Growing season inspection in PEQ for symptom expression
Phellinus noxius (Brown root rot fungus)	Growing season inspection in PEQ for symptom expression
Rigidoporus microporus (White root rot fungus)	Growing season inspection in PEQ for symptom expression
Oomycetes	
Phytophthora botryosa	Growing season inspection in PEQ for symptom expression

(1) The unit for testing is defined in 1.6.1.

(2) **Sample Collection**: Leaf and Petiole collected from at least two positions on each stem including:

a) a young fully expanded leaf at the top of the stem; and
b) an older leaf from a midway position.

(3) **Time of testing**: Within 14 days of completion of active growth.

Guidance

- Shoot flushes in PEQ
  - Shoot tipping (pruning to an axillary bud) is expected to artificially induce a new shoot flush. This is an optional method which can be used if a second or third flush will not naturally occur in PEQ.
  - Early shoot tipping of the main stem may help induce branching, to stimulate side shoots from the base and middle parts of the stem that can be sampled for testing. Alternatively, whole plants may be imported with branches that can be sampled.
- Growing conditions
  - It is recommended that a heat mat is used to warm the plant root zone, to maintain active growth under cool conditions.

3.117 Olea

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Olea" Suspended species: All
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Olea Regulated Pests (actionable)
Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 12 months **Special conditions**: Refer to 3.117.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 12 months **Special conditions**: Refer to 3.117.2

3.117.1 Cuttings (dormant)

(1) General requirements for cuttings (dormant) are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 12 months **Inspection, testing and treatment:** During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.117.3
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Olea* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section.

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3.

3.117.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 12 months **Inspection, testing and treatment:** During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.117.3
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Olea* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.

3.117.3 Inspection, testing and treatment requirements for Olea

Organism Types	MPI-Accepted Methods
Mites	Visual inspection **AND** **Cuttings**: Approved miticide treatments (Refer to Appendix 3) **Tissue cultures**: Binocular microscope inspection in PEQ
Fungi	Growing season inspection in PEQ for disease symptom expression
Oomycetes	Growing season inspection in PEQ for disease symptom expression
Bacteria	
Pseudomonas syringae pv. garcae	Growing season inspection in PEQ for disease symptom expression
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Viruses	
Cherry leaf roll virus [strains not in New Zealand]	ELISA **OR** PCR
Olive latent 1 virus	PCR

Organism Types	MPI-Accepted Methods
Olive latent 2 virus	PCR
Olive latent ringspot virus	PCR
Olive leaf yellowing-associated virus	PCR
Strawberry latent ringspot virus [strains not in New Zealand]	ELISA **OR** PCR
Phytoplasmas	Nested PCR **OR** Real time PCR using universal phytoplasma primers
Diseases of Unknown Aetiology	Growing season inspection in PEQ for disease symptom expression

(1) The unit for testing is defined in 3.2.1

(2) Enzyme linked immunosorbent assay (ELISA); Polymerase chain reaction (PCR).

(3) Testing must be carried out on *Olea* plants while they are in active growth. For ELISA, plants shall be sampled from at least two positions including a young, fully expanded leaf at the top of the plant and an older leaf from a midway position.

(4) PCR and ELISA must be validated using positive controls/reference material prior to use in quarantine testing.

(5) Positive and negative controls must be used in ELISA tests.

(6) Positive and negative controls (including a blank water control) must be used in PCR.

(7) Inspect *Olea* plants for signs of pest and disease at least twice per week during periods of active growth and once per week during dormancy.

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests. Internal controls in PCR tests are important to avoid the risk of false negatives.
- With prior notification, other internationally recognised testing methods may be accepted.

3.118 Oxalis

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Oxalis"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Virus diseases, *Xylella fastidiosa*
Whole plants	**Option 1**: Whole plants of the genus *Oxalis* except *Oxalis deppei* and *Oxalis tuberosa* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.1
	Option 2: Whole plants of the species *Oxalis deppei* and *Oxalis tuberosa* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.118.2
Cuttings	**Option 1**: Cuttings of the genus *Oxalis* except *Oxalis deppei* and *Oxalis tuberosa* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.3
	Option 2: Cuttings of the species *Oxalis deppei* and *Oxalis tuberosa* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.118.4
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.5
Dormant bulbs	**Option 1**: Dormant bulbs of the genus *Oxalis*, except *Oxalis deppei* and *Oxalis tuberosa* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.6
	Option 2: Dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* with a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.7

	Option 3: Dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* without a growing season inspection from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for *Xylella fastidiosa* **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.8
	Option 4: Dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* with a growing season inspection from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for *Xylella fastidiosa* **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.9
	Option 5: Dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* without a growing season inspection from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.118.10

3.118.1 Whole plants option 1

(1) This option applies to whole plants of the genus *Oxalis* except *Oxalis deppei* and *Oxalis tuberosa.*

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.2 Whole plants option 2

(1) This option applies to whole plants of the species *Oxalis deppei* and *Oxalis tuberosa.*

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.3 Cuttings option 1

(1) This option applies to cuttings of the genus *Oxalis* except *Oxalis deppei* and *Oxalis tuberosa.*

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.4 Cuttings option 2

(1) This option applies to cuttings of the species *Oxalis deppei* and *Oxalis tuberosa*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.5 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Virus diseases	*Oxalis deppei* and *Oxalis tuberosa*	The following additional declaration must be endorsed on the phytosanitary certificate: • "The cultures have been derived from parent stock tested and found free of virus diseases."

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.6 Dormant bulbs option 1

(1) This option applies to dormant bulbs of the genus *Oxalis*, except *Oxalis deppei* and *Oxalis tuberosa*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.7 Dormant bulbs option 2

(1) This option applies to dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests".

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.8 Dormant bulbs option 3

(1) This option applies to dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) without a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for *Xylella fastidiosa* **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.9 Dormant bulbs option 4

(1) This option applies to dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) with a growing season inspection; and
b) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 if required by measures for *Xylella fastidiosa* **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs in this consignment have been: – derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests **AND** – treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.118.10 Dormant bulbs option 5

(1) This option applies to dormant bulbs of *Oxalis deppei* and *Oxalis tuberosa* from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) without a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2

	Minimum period: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.119 Paeonia (herbaceous species)

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Paeonia (herbaceous)".
Approved commodities	Dormant tubers
Approved countries	Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	*"Candidatus* Phytoplasma solani", *Cronartium flaccidum*, *Phymatotrichopsis omnivora*
Dormant Tubers	**Option 1**: Dormant tubers with a pest free area additional declaration for *Phymatotrichopsis omnivora* **Import permit**: Required **PEQ**: Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.119.1
	Option 2: Dormant tubers with a pest free place of production additional declaration for *Phymatotrichopsis omnivora* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.119.2

3.119.1 Dormant tubers option 1

(1) This option applies to dormant tubers with a pest free area additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import Required	Required
Post-entry quarantine	**PEQ:** Level 1, or Level 2 if required by measures for phytoplasmas **Minimum period:** 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma solani"	All species	Refer to 2.5
Cronartium flaccidum	All species	The following Additional Declaration must be endorsed on the phytosanitary certificate: • "The dormant tubers have been produced in a 'pest free area' or 'pest free place of production', free from *Cronartium flaccidum*".

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following Additional Declaration must be endorsed on the phytosanitary certificate: • "The dormant tubers have been produced in a 'pest free area' free from *Phymatotrichopsis omnivora*".

3.119.2 Dormant tubers option 2

(1) This option applies to dormant tubers with a pest free place of production additional declaration for *Phymatotrichopsis omnivora*.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani"	All species	Refer to 2.5
Cronartium flaccidum	All species	The following Additional Declaration must be endorsed on the phytosanitary certificate: • "The dormant tubers have been produced in a 'pest free area' or 'pest free place of production', free from *Cronartium flaccidum*".
Phymatotrichopsis omnivora	All species	The following Additional Declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'pest free place of production' free from *Phymatotrichopsis omnivora*". **AND** The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.

3.120 Paeonia (tree species)

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Paeonia (tree species)".
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	*Cronartium flaccidum*, Phytoplasma 16SrXII – "stolbur"
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.120.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.120.2

3.120.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 1 **Minimum period:** 3 months **Isolation**: Open ground – 400 m from any *Pinus* tree

Pest	Applies to	Condition
Cronartium flaccidum	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "Cronartium flaccidum is not known to occur in [the country or state where the plants were grown]". **AND** "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water".
Phytoplasma 16SrXII – "stolbur"	All species	Refer to 2.5

3.120.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrXII – “stolbur”	All species	Refer to 2.5

3.121 Papaver somniferum

Suspended

Before applying for an import permit, the importer must obtain written approval to import from: **Director General of Health** **Ministry of Health** **PO Box 5013 Wellington** **Attention: Advisor, Controlled Drug Licensing** **Telephone: 04 496 2438**	
Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Papaver somniferum" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	None
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: None, refer to general requirements in 1.10
Tissue cultures	**Import permit**: Required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.122 Paulownia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Paulownia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia
Quarantine pests	*Pseudomonas syringae* pv. *actinidiae* (Psa), *Phytophthora palmivora*, Witches broom phytoplasma, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.122.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.122.2

3.122.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora palmivora	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

Pest	Applies to	Condition
Pseudomonas syringae pv. *actinidiae* (Psa)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The [insert species name] plants were produced in a 'pest free area' free from *Pseudomonas syringae* pv *actinidiae*" • "The [insert species name] plants were produced in a 'pest free place of production' free from *Pseudomonas syringae* pv *actinidiae"*
Witches broom phytoplasma	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Witches broom phytoplasma is not known to occur in [the country or state where the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.122.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Pseudomonas syringae pv. *actinidiae* (Psa)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The [insert species name] plants were produced in a 'pest free area' free from *Pseudomonas syringae pv actinidiae*" • "The [insert species name] plants were produced in a 'pest free place of production' free from *Pseudomonas syringae* pv *actinidiae"*
Witches broom phytoplasma	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The cultures have been derived from parent stock tested and found free of Witches broom phytoplasma".
Xylella fastidiosa	All species	Refer to 2.4

3.123 Pelargonium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Pelargonium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma australasiaticum", Phytoplasma 16SrI – aster yellows, *Ralstonia pseudosolanacearum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Option 1**: Whole plants and cuttings **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum*. **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.123.1
	Option 2: Whole plants and cuttings **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum*. **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.123.2
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum*. **Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.123.3
	Option 2: Tissue cultures **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum*. **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.123.4

3.123.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings with a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved methodology and found free from *Ralstonia pseudosolanacearum*" For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*"
Xylella fastidiosa	All species	Refer to 2.4

3.123.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR**

Pest	Applies to	Condition
		• PCR
Xylella fastidiosa	All species	Refer to 2.4

3.123.3 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*" **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved methodology and found free from *Ralstonia pseudosolanacearum*" For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*"
Xylella fastidiosa	All species	Refer to 2.4

3.123.4 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum" and Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR
Xylella fastidiosa	All species	Refer to 2.4

3.124 Petunia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Petunia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*"Candidatus* Phytoplasma australasiaticum", *Phytophthora palmivora*, Phytoplasma 16SrI – aster yellows, potato spindle tuber viroid, tomato chlorotic dwarf viroid
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.124.1 for GMO requirements and 3.124.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or using the "testing in PEQ" condition for any quarantine pests of *Petunia* **PEQ**: Not required, unless required by measures for phytoplasmas or using the "testing in PEQ" condition for any quarantine pests of *Petunia* **Special conditions**: Refer to 3.124.1 for GMO requirements and 3.124.3

3.124.1 Requirements for all Petunia plants for planting

(1) All varieties of Petunia plants for planting imported into New Zealand must provide one of the following with each permit application and imported plant consignment:

a) A non-GMO declaration, signed by the importer and exporter, that the Petunia plants for planting are free from genetically modified material must be submitted (the form is available from MPI's website); or

b) A copy of the GM testing certificate that confirms that the variety is not a new organism as defined by the Hazardous Substances and New Organisms Act 1996 (HSNO Act 1996) must be submitted. GM testing certificates must meet the following requirements:

i) Testing must occur at an MPI-approved or recognised laboratory, in accordance with the standard PIT-GMO-ALGMOT *Approval of Laboratories for Genetically Modified Organism Testing* and the operational code *Protocol for Testing for the Presence of Genetically Modified Plant Material*.

ii) The GM testing certificate must include the genus name or species name and a unique identifier (e.g. variety name or lot/line number), which must be reproduced on other import documentation to support traceability.

iii) Sampling for the purposes of testing must be carried out in accordance with the *Protocol for Testing for the Presence of Genetically Modified Plant Material*.

Guidance

- The Protocol, and a list of MPI-approved and recognised facilities, are on the MPI website at Genetically modified seeds and nursery stock

3.124.2 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid".
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
"Candidatus Phytoplasma australasiaticum"	All species	Refer to 2.5
Tomato chlorotic dwarf viroid	All species	**Option 1**: **Additional declaration** One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from tomato chlorotic dwarf viroid".
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods

3.124.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required only if using the "testing in PEQ" condition for any quarantine pests of *Petunia*
Post-entry quarantine	Required only if using the "testing in PEQ" condition for any quarantine pests of *Petunia* **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Potato spindle tuber viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from potato spindle tuber viroid".
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods
"Candidatus Phytoplasma australasiaticum"	All species	Refer to 2.5
Tomato chlorotic dwarf viroid	All species	**Option 1**: **Additional declaration** One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Tomato chlorotic dwarf viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato chlorotic dwarf viroid".
		Option 2: **Testing in PEQ** Testing in PEQ using PCR-based methods

3.125 Phalaenopsis

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Phalaenopsis"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Basella rugose mosaic virus, capsicum chlorosis virus, orchid fleck dichorhavirus, *Phytophthora palmivora*
Whole plants, Cuttings	**Option 1**: All whole plants and cuttings **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.125.1
	Option 2: Whole plants and cuttings in growing media from Taiwan **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.125.2
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to the general requirements in 1.11

3.125.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Orchid fleck dichorhavirus	All species	Growing season inspection in PEQ for symptom expression.
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

3.125.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings in growing media from Taiwan.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

(4) The following general requirements are **not required** for whole plants imported under this option:

a) Appendix 3: Pesticide treatments for whole plants and cuttings
b) 1.10.8 Measures for *Helicobasidium mompa*

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The Phalaenopsis spp. whole plants in MPI-approved growing media in this consignment: • have been produced in mother stock that has been tested for, and found free from Capsicum chlorosis virus and Basella rugose mosaic virus, **AND** • comply with the requirements of the Offshore Assurance Programme (OAP) implemented by New Zealand MPI and Taiwan BAPHIQ, **AND** • have been inspected and found free from regulated viruses, insects, mites, fungi, and bacteria, **AND** • have been treated with appropriate broad-spectrum insecticide and miticide drench no more than 14 days prior to export to New Zealand."

Pest	Applies to	Condition
Phytophthora palmivora	All	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

3.126 Phlox

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Phlox"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma australasiaticum", Tomato ringspot virus
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.126.1
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for Tomato ringspot virus **Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.126.2
	Option 2: Tissue cultures **without** a pest freedom additional declaration for Tomato ringspot virus **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.126.3

3.126.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australasiaticum"	All species	Refer to 2.5
Tomato ringspot virus	All species	**Option 1: Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from Tomato ringspot virus" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for Tomato ringspot virus"

Pest	Applies to	Condition
		OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato ringspot virus"
		Option 2: Testing in PEQ Testing in PEQ using PCR-based methods

3.126.2 Tissue cultures option 1

(1) This option applies to tissue cultures **with** a pest freedom additional declaration for Tomato ringspot virus

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum"	All species	Refer to 2.5
Tomato ringspot virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from Tomato ringspot virus" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for Tomato ringspot virus" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato ringspot virus"

3.126.3 Tissue cultures option 2

(1) This option applies to tissue cultures **without** a pest freedom additional declaration for Tomato ringspot virus

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"Candidatus Phytoplasma australasiaticum"	All species	Refer to 2.5
Tomato ringspot virus	All species	Testing in PEQ using PCR-based methods

3.127 Phoenix

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Phoenix"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Hawaii, mainland United States of America Suspended countries: Australia
Quarantine pests	Cadang-cadang, Fusarium wilt, Lethal yellowing, *Phytophthora palmivora*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.127.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.127.2

3.127.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

(3) **Height Limit:** Plants must not exceed 1.5m in height.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Cadang cadang, lethal yellowing and *Fusarium oxysporum* f.sp. *canariensis*	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Cadang cadang, lethal yellowing and *Fusarium oxysporum* f.sp. *canariensis* are not known to occur in [the country or state where the plants were grown]".
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora".* **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR**

Pest	Applies to	Condition
		• "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.127.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Cadang cadang and lethal yellowing	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Cadang cadang and lethal yellowing are not known to occur in [the country or state where the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.128 Phormium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Phormium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma australiense" (strains not in New Zealand), *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.128.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.128.2

3.128.1 Whole plants, Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australiense" (strains not in New Zealand)	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.128.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma australiense"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.129 Photinia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Photinia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Gymnosporangium* spp., *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.129.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.129.2

3.129.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Gymnosporangium spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Gymnosporangium* spp. are not known to occur on [name of plant species] in [the country or state where the plants were produced]". **OR** – "The plants were from a crop inspected during the growing season and no rust diseases were detected. **AND** – The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export".
Phytophthora ramorum	All species	Refer to 2.3.
Xylella fastidiosa	All species	Refer to 2.4

3.129.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.130 Pistacia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Pistacia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.130.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.130.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.130.3

3.130.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phellinus noxius	*Pistacia chinensis*	Refer to 2.2
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

Pest	Applies to	Condition
Phytophthora palmivora	All species *Pistacia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.130.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

Pest	Applies to	Condition
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.130.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.131 Planera

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Planera"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Elm mosaic virus, Elm phloem necrosis, *Phellinus noxius*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.131.1
Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.131.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.131.3

3.131.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

Pest	Applies to	Condition
Phellinus noxius	*Zelkova serrata*	Refer to 2.2

3.131.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.131.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.132 Platanus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Platanus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Ceratocystis platani*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.132.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.132.2

3.132.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis platani	All species	**Option 1: For countries where *Ceratocystis platani* is not known to be present** • The following additional declaration must be endorsed on the phytosanitary certificate: – "The plants have been produced in a country free from *Ceratocystis platani*."
		Option 2: For countries where *Ceratocystis platani* is known to be present • The following additional declaration must be endorsed on the phytosanitary certificate: – "The plants have been produced in a state/province free from *Ceratocystis platani* or from a 'pest free place of production' free from *Ceratocystis platani*" **AND** • The plants must be tested for *Ceratocystis platani* during the post-entry quarantine period by an MPI-approved supplier of identification and diagnostic services for material in quarantine.
Xylella fastidiosa	All species	Refer to 2.4

3.132.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.133 Populus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Populus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fimbriata*, *Marssonina spp.*, *Phellinus noxius*, *Phytophthora ramorum*, Uredinales, Virus diseases, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.133.1
Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.133.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.133.3

3.133.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Populus* genus	Refer to 2.1
Phellinus noxius	All species	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.133.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Populus* genus	Refer to 2.1
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.133.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.134 Portulaca

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Portulaca"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma solani", Cucumber green mottle mosaic virus, *Phytophthora capsici*, Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrXII – "stolbur", tomato brown rugose fruit virus, *Xylella fastidiosa*
Whole plants, Cuttings	**Option 1**: All whole plants and cuttings **with** pest freedom additional declarations for cucumber green mottle mosaic virus and tomato brown rugose fruit virus **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.134.1
	Option 2: Whole plants and cuttings **without** a pest freedom additional declaration for cucumber green mottle mosaic virus or tomato brown rugose fruit virus **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.134.2
Tissue cultures	**Option 1**: All tissue cultures **with** pest freedom additional declarations for cucumber green mottle mosaic virus and tomato brown rugose fruit virus) **Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.134.3
	Option 2: Tissue cultures **without** a pest freedom additional declaration for cucumber green mottle mosaic virus or tomato brown rugose fruit virus **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.134.4

3.134.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings with pest freedom additional declarations for cucumber green mottle mosaic virus and tomato brown rugose fruit virus.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species	Refer to 2.5
Cucumber green mottle mosaic virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from Cucumber green mottle mosaic virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved PCR methodology and found free from Cucumber green mottle mosaic virus".
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*"
Tomato brown rugose fruit virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from Tomato brown rugose fruit virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved PCR methodology and found free from Tomato brown rugose fruit virus".
Xylella fastidiosa	All species	Refer to 2.4

3.134.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings without a pest freedom additional declaration for cucumber green mottle mosaic virus or tomato brown rugose fruit virus.

(2) General requirements for whole plants and cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species	Refer to 2.5
Cucumber green mottle mosaic virus	All species	Testing in PEQ with PCR-based methods
Phytophthora capsici	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*" **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*"
Tomato brown rugose fruit virus	All species	Testing in PEQ with PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.134.3 Tissue cultures option 1

(1) This option applies to all tissue cultures with pest freedom additional declarations for cucumber green mottle mosaic virus and tomato brown rugose fruit virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species	Refer to 2.5

Pest	Applies to	Condition
Cucumber green mottle mosaic virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from cucumber green mottle mosaic virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved PCR methodology and found free from cucumber green mottle mosaic virus".
Tomato brown rugose fruit virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from Tomato brown rugose fruit virus". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO-approved PCR methodology and found free from Tomato brown rugose fruit virus".
Xylella fastidiosa	All species	Refer to 2.4

3.134.4 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for cucumber green mottle mosaic virus or tomato brown rugose fruit virus.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species	Refer to 2.5
Cucumber green mottle mosaic virus	All species	Testing in PEQ with PCR-based methods
Tomato brown rugose fruit virus	All species	Testing in PEQ with PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.135 Pseudotsuga

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Psuedotsuga" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Bursaphelenchus* spp., *Lophodermium spp.*, *Phytophthora ramorum*, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.135.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.135.2

3.135.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.135.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.136 Pyrus

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Pyrus” Suspended species: All
Approved commodities	Cuttings (dormant)

3.137 Quercus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Quercus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America
Quarantine pests	*Ceratocystis fagacearum*, *Ceratocystis fimbriata*, *Cronartium quercuum*, *Cryphonectria parasitica*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.137.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.137.2

3.137.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the *Quercus* genus	Refer to 2.1
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.137.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.138 Ranunculus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Ranunculus"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*Phymatotrichopsis omnivora*, Virus diseases, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum Period**: 6 months **Special conditions**: Refer to 3.138.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.138.2
Dormant bulbs	**Option 1**: Dormant bulbs imported from Australia and South Africa with a growing season inspection **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.138.3
	Option 2: All dormant bulbs imported from Australia and South Africa **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.138.4
	Option 3: Dormant bulbs imported from the United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.138.5
	Option 4: Dormant bulbs with a pest free area additional declaration for *Phymatotrichopsis omnivora;* imported from countries **other than** Australia, South Africa and the United States of America; **and** recognised by MPI as free from *Xylella fastidiosa* **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.138.6
	Option 5: All dormant bulbs imported from all countries **other than** Australia, South Africa and the United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.138.7

3.138.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.138.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The cultures have been derived from parent stock tested and found free of virus diseases."
Xylella fastidiosa	All species	Refer to 2.4

3.138.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs imported from Australia and South Africa:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.138.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs imported from Australia and South Africa.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.138.5 Dormant bulbs option 3

(1) This option applies to dormant bulbs imported from the United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	**Option 1**: The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'Pest free area', free from *Phymatotrichopsis omnivora*".
		Option 2: The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'Pest free place of production', free from *Phymatotrichopsis omnivora*". **AND** The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."
Xylella fastidiosa	All species	Refer to 2.4

3.138.6 Dormant bulbs option 4

(1) This option applies to dormant bulbs imported from countries **other than** Australia, South Africa and the United States of America; recognised by MPI as free from *Xylella fastidiosa*:

a) with a pest free area additional declaration for *Phymatotrichopsis omnivora*; and
b) with a growing season inspection; and
c) treated as per Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold storage or shipment".

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'Pest free area', free from *Phymatotrichopsis omnivora*".
Xylella fastidiosa	All species	Refer to 2.4

3.138.7 Dormant bulbs option 5

(1) This option applies to dormant bulbs imported from all countries **other than** Australia, South Africa and the United States of America.

a) with a growing season inspection; and
b) treated as per Appendix 4

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1, or Level 2 (refer to 2.4) **Minimum period:** 3 months, or 6 months (refer to 2.4)
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold storage or shipment

Pest	Applies to	Condition
Phymatotrichopsis omnivora	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The dormant bulbs have been produced in a 'Pest free area', free from *Phymatotrichopsis omnivora*". **AND** • The consignment must be treated for fungi as described in Appendix 4. If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.
Xylella fastidiosa	All species	Refer to 2.4

3.139 Rhododendron

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Rhododendron" Suspended species: All species in the following genus are suspended: *Lyonia*.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma solani", "*Candidatus* Phytoplasma trifolii", *Microsphaera* spp., *Phellinus noxius*, *Phytophthora ramorum*, Uredinales
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.139.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.139.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.139.3

3.139.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and "*Candidatus* Phytoplasma trifolii"	Species of the genus *Rhododendron*	Refer to 2.5
Microsphaera spp. and the following rust diseases: *Aecidium rhododendri*, *Aecidium sinorhododendri*, *Chrysomyxa ledi*, *Chrysomyxa ledicola*, *Chrysomyxa dieteli*, *Chrysomyxa expansa*, *Chrysomyxa himalensis*, *Chrysomyxa komarovii*, *Chrysomyxa piperiana*, *Chrysomyxa roanensis*,	All species	**Option 1** The following additional declaration must be endorsed on the phytosanitary certificate: • "*Microsphaera* spp., and the following rust diseases are not known to occur on Rhododendron spp. in [the country or state where the plants were grown]".
		Option 2 • All visible flower buds are to be removed prior to export; **AND**

Pest	Applies to	Condition
Chrysomyxa succinea, *Chrysomyxa taghishae*, *Puccinia rhododendri*, *Pucciniastrum vaccinii*		• On arrival in New Zealand the plant material is to be treated, under the supervision of an Inspector, at an MPI-registered transitional facility by dipping in Benomyl, Carbendazim or Thiophanate methyl [choose one] at a rate of 250mg a.i. per litre.
Phellinus noxius	*Rhododendron xobtusum*	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3

3.139.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and "*Candidatus* Phytoplasma trifolii"	Species of the genus *Rhododendron*	Refer to 2.5
Microsphaera spp. and the following rust diseases: *Aecidium rhododendri*, *Aecidium sinorhododendri*, *Chrysomyxa ledi*, *Chrysomyxa ledicola*, *Chrysomyxa dieteli*, *Chrysomyxa expansa*, *Chrysomyxa himalensis*, *Chrysomyxa komarovii*, *Chrysomyxa piperiana*, *Chrysomyxa roanensis*, *Chrysomyxa succinea*, *Chrysomyxa taghishae*, *Puccinia rhododendri*, *Pucciniastrum vaccinii*	All species	**Option 1** The following additional declaration must be endorsed on the phytosanitary certificate: • "*Microsphaera* spp., and the following rust diseases are not known to occur on *Rhododendron* spp. in [the country or state where the plants were grown]" [Include the listed rust diseases from the left]. **Option 2** • All visible flower buds are to be removed prior to export. **AND** • On arrival in New Zealand the plant material is to be treated, under the supervision of an Inspector, at an MPI-registered transitional facility by dipping in Benomyl, Carbendazim or Thiophanate methyl [choose one] at a rate of 250mg a.i. per litre.
Phytophthora ramorum	All species	Refer to 2.3

3.139.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani" and "*Candidatus* Phytoplasma trifolii"	Species of the genus *Rhododendron*	Refer to 2.5

3.140 Ribes

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Ribes” Suspended species: All
Approved commodities	Whole plants

3.141 Rosa

Partially suspended

Approved species		Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Rosa"
Approved commodities		Whole plants Dormant cuttings Non-dormant cuttings Tissue cultures
Approved countries		Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom Suspended countries: Japan.
Quarantine pests	**Fungi**	*Phellinus noxius*, Pucciniales
	Oomycetes	*Phytophthora ramorum*
	Bacteria	*Ralstonia pseudosolanacearum*, *Xylella fastidiosa*
	Viruses	Blackberry chlorotic ringspot virus, grapevine pinot gris virus, raspberry ringspot virus (strains not in New Zealand), rose rosette virus
	Phytoplasmas	"*Candidatus* Phytoplasma australasiaticum", "*Candidatus* Phytoplasma mali", Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrXII – "stolbur"
Whole plants		**Option 1**: Whole plants **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum Period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.1
		Option 2: Whole plants **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.2
Cuttings		**Option 1**: **Non-dormant** cuttings **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.3
		Option 2: **Dormant** cuttings **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.4

	Option 3: Cuttings **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.5
Tissue cultures	**Option 1**: Tissue cultures **with** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.6
	Option 2: Tissue cultures **without** a pest freedom additional declaration for *Ralstonia pseudosolanacearum* **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.141.7

3.141.1 Whole plants option 1

(1) This option applies to whole plants with a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Pucciniales	All species	**Option 1:** The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".

Pest	Applies to	Condition
		Option 2: For countries where propiconazole is not approved, the following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been [dipped/sprayed until dripping] in [fungicide active ingredient]; a broad range systemic fungicide suitable for treating rust fungi from the Pucciniales order at the rate of [specify rate] at least 48 hours prior to shipment".
		Option 3: With prior arrangement with MPI, the plants may be dipped on arrival in New Zealand in propiconazole (5g a.i. per 10 litres of water). Refer to 1.5.
Phytophthora ramorum	*Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
Phellinus noxius	All species	Refer to 2.2
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free *from Ralstonia pseudosolanacearum*".
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants must be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.141.2 Whole plants option 2

(1) This option applies to whole plants without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Pucciniales	All species	**Option 1:** The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".
		Option 2: For countries where propiconazole is not approved, the following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been [dipped/sprayed until dripping] in [fungicide active ingredient]; a broad range systemic fungicide suitable for treating rust fungi from the Pucciniales order at the rate of [specify rate] at least 48 hours prior to shipment".
		Option 3: With prior arrangement with MPI, the plants may be dipped on arrival in New Zealand in propiconazole (5g a.i. per 10 litres of water). Refer to 1.5.
Phytophthora ramorum	*Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
Phellinus noxius	All species	Refer to 2.2
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR

Pest	Applies to	Condition
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants shall be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.141.3 Cuttings option 1

(1) This option applies to non-dormant cuttings with a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Pucciniales	All species	**Option 1:** The following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".
		Option 2: For countries where propiconazole is not approved, the following additional declaration must be endorsed on the phytosanitary certificate: • "The plants have been [dipped/sprayed until dripping] in [fungicide active ingredient]; a broad range systemic fungicide suitable for treating rust fungi from the Pucciniales order at the rate of [specify rate] at least 48 hours prior to shipment".

Pest	Applies to	Condition
		Option 3: With prior arrangement with MPI, the plants may be dipped on arrival in New Zealand in propiconazole (5g a.i. per 10 litres of water). Refer to 1.5.
Phytophthora ramorum	*Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants shall be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.141.4 Cuttings option 2

(1) This option applies to dormant cuttings with a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Phytophthora ramorum	*Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants shall be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.141.5 Cuttings option 3

(1) This option applies to cuttings without a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Pucciniales	Non-dormant cuttings of all species	**Option 1:** The following additional declaration must be endorsed on the phytosanitary certificate: "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".
		Option 2: For countries where propiconazole is not approved, the following additional declaration must be endorsed on the phytosanitary certificate: "The plants have been [dipped/sprayed until dripping] in [fungicide active ingredient]; a broad range systemic fungicide suitable for treating rust fungi from the Pucciniales order at the rate of [specify rate] at least 48 hours prior to shipment".
		Option 3: With prior arrangement with MPI, the plants may be dipped on arrival in New Zealand in propiconazole (5g a.i. per 10 litres of water). Refer to 1.5.
Phytophthora ramorum	*Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants shall be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.141.6 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for *Ralstonia pseudosolanacearum*.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Phytoplasmas	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants were produced in a 'pest free area', free from *Ralstonia pseudosolanacearum*". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free *from Ralstonia pseudosolanacearum*".
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants shall be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.141.7 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for *Ralstonia pseudosolanacearum.*

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3A **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • "The *Rosa* plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". **OR** • "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for Grapevine Pinot gris virus".
Phytoplasmas	All species	Refer to 2.5
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for symptom expression **AND** • Plating on selective media **OR** • PCR
Blackberry chlorotic ringspot virus, Raspberry ringspot virus (strains not in New Zealand) and Rose rosette virus	All species	Testing in PEQ using PCR **OR** The following additional declaration must be endorsed on the phytosanitary certificate for all quarantine viruses: • "[Virus name] is absent/not known to occur in _____ [name of country]"
Xylella fastidiosa	All species	Refer to 2.4

(4) The unit for testing is defined in 1.6.1.

(5) **Sample collection:** Plants shall be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(6) **Time of testing:** Virus testing must be carried out using the new season's growth in the spring, or spring-like conditions. Bacteria and phytoplasmas testing must be carried out during late summer to early autumn, or during late summer-like conditions.

3.142 Rubus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Rubus"
Approved commodities	Cuttings (runner tips and stem cuttings only) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Rubus Regulated Pests (actionable)
Cuttings	**Option 1**: Cuttings imported from an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.142.1
	Option 2: Cuttings imported from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.142.2
Tissue cultures	**Option 1**: Tissue cultures imported from an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.142.3
	Option 2: Tissue cultures imported from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.142.4

3.142.1 Cuttings option 1

(1) This option applies to cuttings imported from an MPI-approved offshore facility.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection**, **treatment and testing**: Plants must be inspected, treated and/or tested for regulated pests, at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Rubus* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND**

	• held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate: "The *Rubus* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3

3.142.2 Cuttings option 2

(1) This option applies to cuttings imported from non-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection, treatment and testing**: During PEQ, imported material must be inspected, treated and/or tested for regulated pests as specified in 3.142.5 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Rubus* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section.

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3

3.142.3 Tissue cultures option 1

(1) This option applies to tissue cultures imported from an MPI-approved offshore facility.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, treatment and testing**: Plants must be inspected, treated and/or tested for regulated pests, at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Rubus* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by providing the following additional declarations to the phytosanitary certificate: "The *Rubus* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.142.4 Tissue cultures option 2

(1) This option applies to tissue cultures imported from non-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection, treatment and testing**: During PEQ, imported material must be inspected, treated and/or tested for regulated pests as specified in 3.142.5 at the expense of the importer.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The Rubus tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.

3.142.5 Inspection, testing and treatment requirements for Rubus

Organism	**MPI-Accepted Methods**
Mites	Visual inspection **AND** **Cuttings**: approved miticide treatments (Refer to Appendix 3) **Tissue cultures**: binocular microscope inspection in PEQ
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the PEQ facility **AND** Growing season inspection in PEQ for disease symptom expression
Chromista	Growing season inspection in PEQ for disease symptom expression
Bacteria	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the PEQ facility
Erwinia amylovora f. sp. *rubi*	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Agrobacterium rubi	Growing season inspection in PEQ for disease symptom expression
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Viruses	
Blackberry calico virus	Country freedom **OR** PCR **OR** HTS
Blackberry chlorotic ringspot virus	Country freedom **OR** PCR **OR** HTS

Organism	MPI-Accepted Methods
Blackberry virus Y	Country freedom **OR** RT-PCR using BVY-specific primers **OR** HTS
Blackberry yellow vein associated virus	Country freedom **OR** PCR **OR** HTS
Cherry rasp leaf virus	Country freedom **OR** PCR **OR** HTS
Hawaiian rubus leaf curl virus	Country freedom **OR** ELISA **OR** PCR **OR** HTS
Raspberry latent virus	Country freedom **OR** PCR **OR** HTS
Raspberry leaf curl virus	Country freedom **OR** PCR **OR** HTS
Raspberry ringspot virus [strains not in New Zealand]	Country freedom **OR** ELISA **OR** PCR **OR** HTS
Rubus chlorotic mottle virus	Country freedom **OR** PCR **OR** HTS
Rubus yellow net virus	Country freedom **OR** PCR **OR** HTS

Organism	MPI-Accepted Methods
Tobacco necrosis virus [strains not in New Zealand]	Country freedom **OR** PCR **OR** HTS
Tomato ringspot virus	Country freedom **OR** ELISA **OR** PCR **OR** HTS
Phytoplasmas	
Black raspberry witches'-broom phytoplasma	Country freedom **OR** Nested PCR **OR** Real time PCR using universal phytoplasma primers
Rubus stunt phytoplasma	Country freedom **OR** Nested PCR **OR** Real time PCR using universal phytoplasma primers
Diseases of Unknown Aetiology	Growing season inspection in PEQ for disease symptom expression
Alpine mosaic agent	Country freedom **OR** Growing season inspection in PEQ for disease symptom expression
Black raspberry streak virus	Country freedom **OR** Growing season inspection in PEQ for disease symptom expression

(1) Country freedom for regulated viruses, diseases of unknown aetiology, and phytoplasmas will only be accepted when material is produced in an MPI-approved offshore facility. Country freedom must be endorsed by the NPPO of the exporting country and must be included in the agreement between MPI and the MPI-approved offshore facility.

(2) The unit for testing is defined in 1.6.1

(3) Tissue culture plantlets must be potted up and grown in a greenhouse approved to Facility Standard: Post-entry Quarantine for Plants PEQ.STD, only material from the greenhouse is to be selected for testing.

(4) Growing season is defined as an extended period of plant growth that includes environmental conditions equivalent to spring (longer wetter days and colder temperatures), summer (longer dryer days and warm temperatures), and autumn (shorter wetter days and warm but cooling temperatures).

(5) Virus testing is to be conducted on new spring growth.

(6) Phytoplasma and bacteria testing is to be conducted at the end of the summer growth period.

(7) Enzyme linked immunosorbent assay (ELISA) tests. All ELISA tests must be validated using positive and negative controls prior to use in quarantine testing. Positive and negative controls must be used in all tests.

(8) Polymerase chain reaction (PCR) tests. All PCR tests must be validated using positive and negative controls prior to use in quarantine testing. Positive and no template controls must be used in all tests.

(9) Inspection of the Rubus plants by the Operator of the PEQ facility for signs of pest and disease must be at least twice per week during periods of active growth. A record of inspections carried out by the Operator is to be kept and made available to the MPI Inspector on request.

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests.
- With prior notification, other internationally recognised testing methods may be accepted.

3.143 Salix

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Salix"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Erwinia salicis*, *Melampsora* spp., *Phellinus noxius*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.143.1
Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.143.2
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.143.3

3.143.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phellinus noxius	*Salix babylonica*	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3.
Xylella fastidiosa	All species	Refer to 2.4

3.143.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B

	Minimum period: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3.
Xylella fastidiosa	All species	Refer to 2.4

3.143.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

(3) Tissue cultures must be examined prior to release to the importer, at the importer's expense, at a transitional facility approved to the facility standard *Identification of organisms*.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.144 Salvia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Salvia"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	"*Candidatus* Phytoplasma solani", Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.144.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.144.2

3.144.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani"	All species	Refer to 2.5
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of the genus *Coleosporium* and *Cronatium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]."
Xylella fastidiosa	All species	Refer to 2.4

3.144.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma solani"	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.145 Senecio

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Senecio"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America
Quarantine pests	Phytoplasma 16SrI – aster yellows, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.145.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.145.2

3.145.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of the genus *Coleosporium* and *Cronatium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]."

3.145.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.146 Solanum

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Solanum" Suspended species: All species in the genera *Cestrum, Fabiana, Iochroma, Scopolia.*
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Columnea latent viroid, Potato spindle tuber viroid, Tomato apical stunt viroid, Tomato chlorotic dwarf viroid
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.146.1
Tissue cultures	**Option 1**: Tissue cultures with pest freedom additional declarations for all quarantine pests **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.146.2
	Option 2: Tissue cultures where "testing in PEQ" is used to manage any quarantine pest **Import permit**: Required **PEQ:** Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.146.2

3.146.1 Whole plants, Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Columnea latent viroid	*Brunfelsia undulata*, *Gloxinia gymnostoma*, *Nematanthus wettsteinii*	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Columnea latent viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Columnea latent viroid".

Pest	Applies to	Condition
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods
Potato spindle tuber viroid	All species	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid".
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods
Tomato apical stunt viroid	All species of the *Cestrum* genus	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Tomato apical stunt viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato apical stunt viroid".
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods
Tomato chlorotic dwarf viroid	All species of the *Calibrachoa* genus	**Option 1**: **Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Tomato chlorotic dwarf viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato chlorotic dwarf viroid".
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods

3.146.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	**Required** if the "testing in PEQ" condition is used for any quarantine pest

	Not required if the phytosanitary certificate has additional declarations for 'pest free area' or 'pest free place of production' for every quarantine pest
Post-entry quarantine	**Required** if the "testing in PEQ" condition is used for any quarantine pest: **PEQ**: Level 2 **Minimum period**: 3 months
	Not required if the phytosanitary certificate has additional declarations for 'pest free area' or 'pest free place of production' for every quarantine pest

Pest	Applies to	Condition
Columnea latent viroid	*Brunfelsia undulata*, *Gloxinia gymnostoma*, *Nematanthus wettsteinii*	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Columnea latent viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Columnea latent viroid".
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods
Potato spindle tuber viroid	All species	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Potato spindle tuber viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Potato spindle tuber viroid".
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods
Tomato apical stunt viroid	All species of the *Cestrum* genus	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Tomato apical stunt viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato apical stunt viroid".

Pest	Applies to	Condition
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods
Tomato chlorotic dwarf viroid	All species of the *Calibrachoa* genus	**Option 1**: **Additional declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where Tomato chlorotic dwarf viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from Tomato chlorotic dwarf viroid".
		Option 2: **Testing in PEQ** Testing in PEQ with PCR-based methods

3.147 Solanum tuberosum

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Solanum tuberosum"
Approved commodities	Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Solanum tuberosum Regulated Pests (actionable)
Tissue cultures	**Option 1**: Tissue cultures imported from an MPI-approved offshore facility **Import permit**: Required **PEQ**: Not required **Special conditions**: Refer to 3.147.1
	Option 2: Tissue cultures imported from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.147.2

3.147.1 Tissue cultures option 1

(1) This option applies to tissue cultures imported from an MPI-approved offshore facility.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

(4) **Declaration for Genetically Modified Organisms:** All import permit applications must include a signed declaration that the *Solanum tuberosum* plants in tissue culture are not genetically modified organisms, as defined by the New Zealand Hazardous Substances and New Organisms Act 1996 (HSNO Act 1996). For a copy of the declaration form refer to the MPI website. Declaration form

Import permit	Required
Post-entry quarantine	Not required
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the exporting country national plant protection organisation (NPPO) must be satisfied that the following activities have been undertaken: The Solanum tuberosum tissue cultures in the consignment have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the MPI-approved offshore facility. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

Additional declarations to the phytosanitary certificate	The following additional declarations must be endorsed on the phytosanitary certificate: "The Solanum tuberosum tissue cultures in this consignment have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of MPI-approved offshore facility]; **AND** • have been held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.147.2 Tissue cultures option 2

(1) This option applies to tissue cultures imported from non-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

(4) **Declaration for genetically modified organisms**: All import permit applications must include a signed declaration that the *Solanum tuberosum* plants in tissue culture are not genetically modified organisms, as defined by the New Zealand Hazardous Substances and New Organisms Act 1996 (HSNO Act 1996). For a copy of the declaration form refer to MPI's website.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months **Inspection, treatment and testing**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.147.3.
Phytosanitary requirements	The tissue culture media must not contain charcoal. The exporting country NPPO must be satisfied that the requirements of the model phytosanitary certificate have been met before the phytosanitary certificate is issued.

3.147.3 Inspection, testing and treatment requirements for Solanum tuberosum

Organism	**MPI-Accepted Methods**
Mites	Binocular microscope inspection
Fungi	
Aecidium cantensis	Growing season inspection in PEQ for disease symptom expression.
Phoma andigena var. *andina*	Growing season inspection in PEQ for disease symptom expression.
Synchytrium endobioticum	Growing season inspection in PEQ for disease symptom expression.
Oomycetes	
Phytophthora capsici	Growing season inspection in PEQ for disease symptom expression.
Phytophthora infestans (A2 mating strain)	Growing season inspection in PEQ for disease symptom expression.
Phytophthora palmivora	Growing season inspection in PEQ for disease symptom expression.
Bacteria	

Organism	MPI-Accepted Methods
"Candidatus Liberibacter solanacearum" haplotype B	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Clavibacter michiganensis subsp. *sepedonicus*	Immunofluorescence **OR** ELISA **AND** grow plantlets on Murashige and Skoog medium **OR** PCR **AND** grow plantlets on Murashige and Skoog medium
Dickeya chrysanthemi pv. *chrysanthemi*	Plating on selective pectate media **OR** PCR
Dickeya chrysanthemi pv. *parthenii*	Plating on selective pectate media **OR** PCR
Dickeya paradisiaca	Plating on selective pectate media **OR** PCR
Dickeya solani	Plating on selective pectate media **OR** PCR
Pectobacterium betavasculorum	Plating on selective pectate media **OR** PCR
Pectobacterium polaris	Plating on selective pectate media **OR** PCR
Ralstonia pseudosolanacearum (formerly *R. solanacearum* race 1)	Plating on selective media **OR** PCR
Xylella fastidiosa	PCR
Viroids	
Potato spindle tuber viroid [transient]	PCR using two sets of primers **OR** Return PAGE (with silver staining) **OR** Hybridisation (P32 or digoxigenin labelled RNA probes)
Viruses	
Arracacha B nepovirus	ELISA (The ELISA must detect the oca strain) **OR** PCR
Andean potato latent tymovirus	ELISA **OR** PCR

Organism	MPI-Accepted Methods
Andean potato mild mosaic tymovirus	ELISA **OR** PCR
Andean potato mottle comovirus	ELISA **OR** PCR
Beet curly top curtovirus	ELISA **OR** PCR
Eggplant mottled dwarf nucleorhabdovirus	PCR
Papaya mosaic potexvirus	PCR
Pepino mosaic virus [strains not in New Zealand]	PCR
Potato 14R tobamovirus	Growing season inspection in PEQ for symptom expression
Potato black ringspot nepovirus	ELISA **OR** PCR
Potato deforming mosaic begomovirus	ELISA **OR** PCR
Potato latent carlavirus	PCR
Potato mop-top furovirus	ELISA **OR** PCR
Potato P carlavirus	PCR
Potato rough dwarf carlavirus	PCR
Potato T trichovirus	ELISA **OR** PCR
Potato virus H carlavirus	PCR
Potato virus U nepovirus	PCR
Potato virus V potyvirus	ELISA **OR** PCR
Potato virus Y potyvirus [strains not in New Zealand]	ELISA **OR** PCR
Potato yellow dwarf nucleorhabdovirus	PCR
Potato yellow mosaic begomovirus	PCR

Organism	MPI-Accepted Methods
Potato yellow vein crinivirus	Hybridisation **OR** PCR
Potato yellowing ilarvirus	ELISA **OR** PCR
Solanum apical leaf curling begomovirus	Growing season inspection in PEQ for symptom expression
Solanum yellows luteovirus	Growing season inspection in PEQ for symptom expression
Southern potato latent carlavirus	Growing season inspection in PEQ for symptom expression
Sowbane mosaic sobemovirus	PCR
Tobacco necrosis necrovirus [strains not in New Zealand]	PCR
Tobacco rattle tobravirus [strains not in New Zealand]	PCR
Tobacco streak ilarvirus [strains not in New Zealand]	PCR
Tomato infectious chlorosis crinivirus	PCR
Tomato leaf curl begomovirus –New Delhi	PCR
Tomato yellow leaf curl begomovirus	ELISA **OR** PCR
Tomato yellow mosaic begomovirus	ELISA **OR** PCR
Wild potato mosaic potyvirus	PCR
Phytoplasmas	
Columbia basin purple top phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Eggplant little leaf phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Potato marginal flavescence	Nested PCR **OR** RT-PCR using universal phytoplasma primers

Organism	MPI-Accepted Methods
Potato phyllody phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Potato purple-top roll phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Potato purple-top wilt phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Potato round leaf phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Potato "stolbur" phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Potato witches' broom phytoplasma	Nested PCR **OR** RT-PCR using universal phytoplasma primers
Saq'O disease	Growing season inspection in PEQ for symptom expression

(1) The unit for testing is defined in 1.6.1.

(2) Plantlets in growth medium must be de-flasked and grown in quarantine for the completion of testing; however, the 'Inspection and Testing Requirements' may also require the plantlets to be grown on specific medium for bacteria testing. After plantlets are deflasked they must be grown in sterile potting mix. Testing must be carried out on plants while they are still in active growth prior to tuber formation.

(3) For ELISA, plants must be sampled from at least two positions on every stem including a young, fully expanded leaflet at the top of each stem and an older leaflet from a midway position (Jeffries, 1998). For the PSTVd PCR young actively growing leaf tissue must be used.

(4) Enzyme linked immunosorbent assay (ELISA) and polymerase chain reaction (PCR) tests for viruses. Tests must be completed at the optimal time for detection. In general, plants shall be sampled from at least two positions including a young, fully expanded leaf at the top of the stem and an older leaf from a midway position.

(5) All PCR, hybridisation and ELISA tests must be validated using positive controls prior to use in quarantine testing. Positive and negative controls (including a blank water control for PCR) must be used in all tests.

(6) Inspect *Solanum tuberosum* plants for signs of pest and disease at least once per week.

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests.
- With prior notification, other internationally recognised testing methods may be accepted.

Guidance on viroids, viruses and phytoplasmas infecting potato experimentally	
Organism	**Comments**
Columnea latent viroid*	No evidence that this viroid infects potato naturally.
Pepper chat fruit viroid	No evidence that this viroid infects potato naturally.

Tomato planta macho viroid*	No evidence that this viroid infects potato naturally (Galindo *et al.*1982).
Abutilon mosaic begomovirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule e.g. the universal PCR or ELISA tests for begomoviruses.
Cassia mild mosaic carlavirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule, e.g. the universal PCR for carlaviruses.
Henbane mosaic potyvirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule, e.g. the general potyvirus ELISA or PCR using universal potyvirus primers.
Tobacco necrotic dwarf luteovirus*	No appropriate test available.
Tomato leaf curl begomovirus - Australia*	Tests that would detect this virus are already being conducted elsewhere in this schedule e.g. the universal PCR or ELISA for begomovirus.
Tomato yellow vein streak begomovirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule, e.g. the universal PCR or ELISA for begomovirus.
Peanut witches' broom*	Tests that would detect this phytoplasma are already being conducted elsewhere in this schedule, e.g. the universal PCR for phytoplasma.

* Pathogens that are currently only known to infect Solanum tuberosum experimentally. Tests that would detect these pathogens are already being conducted elsewhere in this schedule.

3.148 Solidago

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Solidago"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.
Quarantine pests	Aster yellows phytoplasma, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.148.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.148.2

3.148.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Aster yellows phytoplasma	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Aster yellows phytoplasma is not known to occur in [the country or state where the plants were grown]."
Xylella fastidiosa	All species	Refer to 2.4

3.148.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Aster yellows phytoplasma	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested or inspected and found free of Aster yellows phytoplasma".
Xylella fastidiosa	All species	Refer to 2.4

3.149 Spiraea

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Spiraea" Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Phytoplasma 16SrIII – X-disease
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas **Special conditions**: Refer to 3.149.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas **PEQ**: Not required, unless required by measures for phytoplasmas **Special conditions**: Refer to 3.149.2

3.149.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5

3.149.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas
Post-entry quarantine	Not required, unless required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5

3.150 Teucrium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Teucrium"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Fusarium circinatum*, *Xylella fastidiosa*
Whole plants and Cuttings	**Option 1**: Whole plants and cuttings produced in an MPI-approved pest free area for *Fusarium circinatum* **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.150.1
	Option 2: Whole plants and cuttings **not** produced in an MPI-approved pest free area for *Fusarium circinatum* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.150.2
Tissue cultures	**Option 1**: Tissue cultures produced in an MPI-approved pest free area for *Fusarium circinatum* **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.150.3
	Option 2: Tissue cultures **not** produced in an MPI-approved pest free area for *Fusarium circinatum* **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 6 months **Special conditions**: Refer to 3.150.4

3.150.1 Whole plants, Cuttings option 1

(1) This option applies to whole plants and cuttings produced in an MPI-approved pest free area for *Fusarium circinatum*

Guidance

- A list of MPI-approved pest free areas for *Fusarium circinatum* can be found here

(2) General requirements for whole plants are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Fusarium circinatum	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants have been produced in a 'pest free area' free from *Fusarium circinatum* (syn. *Fusarium subglutinans* f sp. *pini*)"
Xylella fastidiosa	All species	Refer to 2.4

3.150.2 Whole plants, Cuttings option 2

(1) This option applies to whole plants and cuttings **not** produced in an MPI-approved pest free area for *Fusarium circinatum*

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Fusarium circinatum	All species	Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.150.3 Tissue cultures option 1

(1) This option applies to tissue cultures produced in an MPI-approved pest free area for *Fusarium circinatum*

Guidance

- A list of MPI-approved pest free areas for *Fusarium circinatum* can be found here

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Fusarium circinatum	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants have been produced in a 'pest free area' free from *Fusarium circinatum* (syn. *Fusarium subglutinans* f sp. *pini*)"
Xylella fastidiosa	All species	Refer to 2.4

3.150.4 Tissue cultures option 2

(1) This option applies to tissue cultures **not** produced in an MPI-approved pest free area for *Fusarium circinatum*

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 6 months

Pest	Applies to	Condition
Fusarium circinatum	All species	Testing in PEQ using PCR-based methods
Xylella fastidiosa	All species	Refer to 2.4

3.151 Thymus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Thymus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	"*Candidatus* Phytoplasma mali", "*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.151.1
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.151.2

3.151.1 Whole plants, Cuttings

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma mali", "*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.151.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
"*Candidatus* Phytoplasma mali", "*Candidatus* Phytoplasma solani", Phytoplasma 16SrI – aster yellows	All species	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.152 Tricyrtis

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Tricyrtis" Suspended species: All species in the following genus are suspended: *Tricyrtis*.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Phytophthora ramorum*, *Tetranychus kanzawai*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.152.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11

3.152.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 3 months

Pest	Applies to	Condition
Phytophthora ramorum	All species of the genus *Loropetalum*	Refer to 2.3

3.153 Tritonia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Tritonia" Suspended species: All species in the following genus are suspended: *Watsonia*.
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*Puccinia gladioli*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.153.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11
Dormant bulbs	**Option 1**: Dormant bulbs with a growing season inspection imported from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.153.2
	Option 2: Dormant bulbs imported from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.153.3
	Option 3: Dormant bulbs treated as described in Appendix 4 and with a growing season inspection imported from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.153.4
	Option 4: Dormant bulbs imported from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.153.5

3.153.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months

Pest	Applies to	Condition
Puccinia gladioli	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "*Puccinia gladioli* is not known to occur in _____ [the country or state where the plants were grown]". **OR** • "The plants were inspected during the growing season and Puccinia *gladioli* was not detected"

3.153.2 Dormant bulbs option 1

(1) This option applies to dormant bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) with a growing season inspection.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Cleanliness	Bulbs (corms) must be free of leafy coverings
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "In addition to inspection of dormant bulbs prior to shipment, the crop from which the bulbs were derived was inspected during the growing season according to appropriate procedures, and considered free of quarantine pests, and practically free from other injurious pests."

3.153.3 Dormant bulbs option 2

(1) This option applies to dormant bulbs imported from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months

Cleanliness	Bulbs (corms) must be free of leafy coverings

3.153.4 Dormant bulbs option 3

(1) This option applies to dormant bulbs imported from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America:

a) with a growing season inspection; and
b) treated as described in Appendix 4.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Cleanliness	Bulbs (corms) must be free of leafy coverings.
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

3.153.5 Dormant bulbs option 4

(1) This option applies to dormant bulbs imported from countries **other than** Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom or the United States of America.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months
Cleanliness	Bulbs (corms) must be free of leafy coverings.

3.154 Tulipa

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Tulipa"
Approved commodities	Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Refer to Appendix 5: Tulipa Regulated Pests (actionable)
Tissue cultures	**Option 1**: Tissue cultures inspected and tested offshore **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.154.1
	Option 2: Tissue cultures not inspected and tested offshore **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.154.2
Dormant bulbs	**Option 1**: Dormant bulbs imported from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.154.3
	Option 2: Dormant bulbs imported from countries **other than** the Netherlands **Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.154.4

3.154.1 Tissue cultures option 1

(1) This option applies to tissue cultures inspected and tested offshore.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not Required
PEQ	Not Required
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Tulipa* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND**

	• derived from parent stock tested using molecular/ serological methods [choose ONE option] and found free of Tobacco rattle virus and Tomato bushy stunt virus
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by providing the following additional declarations to the phytosanitary certificate: "The *Tulipa* tissue cultures have been derived from parent stock: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **AND** • tested using molecular/serological methods [choose ONE option] and found free of tobacco rattle virus and tomato bushy stunt virus."

3.154.2 Tissue cultures option 2

(1) This option applies to tissue cultures **not** inspected and tested offshore.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months
Phytosanitary requirements	The tissue culture media must not contain charcoal.

Pest	Applies to	Condition
Tomato bushy stunt virus	All species	Testing in PEQ using molecular or serological methods.
Tomato rattle virus	All species	Testing in PEQ using molecular or serological methods.

3.154.3 Dormant bulbs option 1

(1) This option applies to dormant bulbs imported from the Netherlands produced under the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Import permit	Not required
Post-entry quarantine	Not required
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Tulipa* dormant bulbs have been: • produced in accordance with the requirements of the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme. **AND**

	• inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses. **AND** • treated for regulated insects and mites as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** (choose one) – produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: "The *Tulipa* dormant bulbs in this consignment have been: • produced in accordance with the requirements of the BKD Class 1 bulb certification scheme. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable]. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses."

3.154.4 Dormant bulbs option 2

(1) This option applies to dormant bulbs imported from countries **other than** the Netherlands.

(2) General requirements for dormant bulbs are set out in 1.12.

(3) Specific requirements are detailed below.

Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months • With approval from an MPI inspector, flowers cut from imported plants may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Tulipa* dormant bulbs have been: • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses. **AND** • treated for regulated insects and mites as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.

	AND • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** (choose one) – inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests **OR** – treated for regulated fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment. **AND** (choose one) – produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate: "The *Tulipa* dormant bulbs in this consignment have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable]. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses."

3.155 Ulmus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Ulmus"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Ceratocystis fimbriata*, elm mosaic virus, elm phloem necrosis, *Phellinus noxius*, *Phytophthora ramorum*, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.155.1
Cuttings	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.155.2
Tissue cultures	**Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.155.3

3.155.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the genus *Ulmus*	Refer to 2.1
Phellinus noxius	*Ulmus parvifolia*	Refer to 2.2
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.155.2 Cuttings

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required

Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the genus *Ulmus*	Refer to 2.1
Phytophthora ramorum	All species	Refer to 2.3
Xylella fastidiosa	All species	Refer to 2.4

3.155.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.156 Vaccinium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Vaccinium"
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Vaccinium Regulated Pests (actionable)
Cuttings (dormant)	**Option 1**: Cuttings from MPI-approved offshore facilities **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.156.1
	Option 2: Cuttings from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.156.2
Tissue cultures	**Option 1**: Tissue cultures from MPI-approved offshore facilities **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.156.3
	Option 2: Tissue cultures from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3A **Minimum period**: 9 months **Special conditions**: Refer to 3.156.4
	Option 3: Tissue cultures from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 9 months **Special conditions**: Refer to 3.156.5

3.156.1 Cuttings (dormant) option 1

(1) This option applies to cuttings imported from MPI-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection**, **testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.156.6

Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vaccinium* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate: "The *Vaccinium* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.156.2 Cuttings (dormant) option 2

(1) This option applies to cuttings imported from non-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection, testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.156.6.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vaccinium* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** held in a manner to ensure that infestation/reinfestation does not occur following certification.

Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section.

3.156.3 Tissue cultures option 1

(1) This option applies to tissue cultures imported from MPI-approved offshore facilities

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection**, **testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.156.6
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vaccinium* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate: "The *Vaccinium* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.156.4 Tissue cultures option 2

(1) This option applies to tissue cultures imported from non-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3A **Minimum period:** 9 months **Inspection, testing and treatment:** During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.156.6
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The Vaccinium plants in tissue culture have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** • (optional) produced in a country recognised by MPI as being free from *Phytophthora ramorum.*
Requirements before entry to Level 3A PEQ	Before plants are deflasked into a level 3A quarantine facility the tissue cultures must be held at a level 3 tissue culture laboratory until the following activities have been completed: • Tissue cultures must be held between 17 °C and 25 °C for a minimum period of four weeks and all plants must be inspected by the MPI inspector for signs or symptoms of *Phytophthora ramorum* prior to deflasking. This inspection will be in addition to growing season inspections which are required in the greenhouse. This is only required for plants which do not have an additional declaration certifying they have been produced in a country recognised by MPI as being free from *Phytophthora ramorum*. • Sub culturing must not occur during this quarantine period, but plants may be sub-cultured on arrival in New Zealand, prior to commencement of the four-week quarantine period. • Tissue cultures must not be transferred to the level 3A quarantine facility until they have been tested for and found free from *Monilinia vaccinii-corymbosi*.
Requirements during PEQ	• All plants must be inspected for signs and symptoms of pests and disease at least twice per week throughout the entire quarantine period (including during dormancy). • Plants must be irrigated using a method which prevents water coming into contact with plant foliage (such as drip irrigation). Overhead irrigation must not be used. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. The following additional declaration **can be included** for countries recognised by MPI as being free from *Phytophthora ramorum*:

	• "The *Vaccinium* tissue cultures in this consignment have been sourced from a 'Pest Free Area' free from *Phytophthora ramorum*".

3.156.5 Tissue cultures option 3

(1) This option applies to tissue cultures imported from non-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 3B **Minimum period:** 9 months **Inspection, testing and treatment:** During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.156.6
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The Vaccinium plants in tissue culture have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section.

3.156.6 Inspection, testing and treatment requirements for Vaccinium

Organism types	**MPI-accepted methods**
Fungi	Growing season inspection in PEQ for disease symptom expression
Diaporthe vaccinii	PCR **OR** Plating of twig or leaf material onto suitable isolation medium
Monilinia vaccinii-corymbosi	Growing season inspection in PEQ for disease symptom expression **AND for tissue cultures option 2:** one of the following tests must occur before the tissue cultures are transferred to the quarantine facility: • PCR **OR** • plating onto suitable isolation medium.
Oomycota	

Organism types	MPI-accepted methods
Phytophthora ramorum	Growing season inspection in PEQ for disease symptom expression **AND for tissue cultures which were not certified as produced in a country free from *P. ramorum*, and imported under Tissue cultures option 2:** Tissue cultures must be held in a Level 3 post-entry quarantine tissue culture laboratory between 17 °C and 25 °C for a quarantine period of four weeks and inspected by the MPI inspector before transfer to the greenhouse.
Bacteria	
Agrobacterium rubi	Growing season inspection in PEQ for disease symptom expression
Ralstonia pseudosolanacearum (formerly *R. solanacearum race 1*)	Plating on selective media **OR** PCR using DNA from plant stem
Xylella fastidiosa	PCR
Viruses	
Blueberry leaf mottle virus	ELISA **OR** PCR
Blueberry red ringspot virus (syn. Cranberry ringspot virus)	ELISA **OR** PCR
Blueberry scorch virus	ELISA **OR** PCR
Blueberry shock virus	ELISA **OR** PCR
Blueberry shoestring virus	ELISA **OR** PCR
Peach rosette mosaic virus	ELISA **OR** PCR
Tobacco streak virus [strains not in New Zealand]	ELISA **OR** PCR
Tomato ringspot virus	ELISA **OR** PCR
Phytoplasmas	
Blueberry stunt phytoplasma	Nested PCR **OR** Real time PCR using universal phytoplasma primers
Cranberry false blossom phytoplasma	Nested PCR **OR** Real time PCR using universal phytoplasma primers

Organism types	MPI-accepted methods
Vaccinium witches' broom phytoplasma	Nested PCR **OR** Real time PCR using universal phytoplasma primers
Diseases of unknown aetiology	
Blueberry fruit drop disease	Growing season inspection in PEQ for disease symptom expression

(1) The unit for testing is defined in 1.6.1

(2) Virus testing (ELISA and PCR) must be carried out in the spring or under spring-like conditions using the new flush of growth. Bacteria and phytoplasma testing (PCR) must be carried out at the end of the summer or under summer-like conditions.

(3) *Vaccinium* plants must be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(4) All PCR and ELISA tests must be validated using positive controls prior to use in quarantine testing. Positive and negative controls (including a blank water control for PCR) must be used in all tests.

(5) Inspect *Vaccinium* plants for signs of pest and disease at least twice per week during periods of active growth and once per week during dormancy.

(6) Plants held in a level 3A quarantine facility under tissue cultures option 2 must be inspected at least twice per week for the entire quarantine period (including during any periods of dormancy).

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests.
- With prior notification, other internationally recognised testing methods may be accepted.

3.157 Vaccinium macrocarpon

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Vaccinium macrocarpon"
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Vaccinium macrocarpon Regulated Pests (actionable)
Cuttings (dormant)	**Option 1**: Cuttings imported from an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.157.1
	Option 2: Cuttings imported from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.157.2
Tissue cultures	**Option 1**: Tissue cultures imported from an MPI-approved offshore facility **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.157.3
	Option 2: Tissue cultures imported from non-approved offshore facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 9 months **Special conditions**: Refer to 3.157.4

3.157.1 Cuttings (dormant) option 1

(1) This option applies to cuttings imported from MPI-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.157.5
Phytosanitary requirements	*Vaccinium macrocarpon* plants are subject to testing in PEQ. Refer to 3.157.5. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vaccinium macrocarpon* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND**

	• treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate: "The *Vaccinium* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.157.2 Cuttings (dormant) option 2

(1) This option applies to cuttings imported from non-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection, testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.157.5
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vaccinium macrocarpon* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. No additional declarations are required.

3.157.3 Tissue cultures option 1

(1) The option applies to tissue cultures imported from MPI-approved offshore facilities

(2) General requirements for cuttings are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection, testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.157.5
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vaccinium* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate: "The *Vaccinium* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

3.157.4 Tissue cultures option 2

(1) This option applies to tissue cultures imported from non-approved offshore facilities

(2) General requirements for cuttings are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 9 months During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.157.5

Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The Vaccinium plants in tissue culture have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section. No additional declarations are required.

3.157.5 Inspection, testing and treatment requirements for *Vaccinium macrocarpon*

Organism types	**MPI-accepted methods**
Fungi	Growing season inspection in PEQ for disease symptom expression
Bacteria	
Agrobacterium rubi	Growing season inspection in PEQ for disease symptom expression
Xylella fastidiosa	PCR
Viruses	
Blueberry red ringspot virus (syn. Cranberry ringspot virus)	ELISA **OR** PCR
Blueberry scorch virus	ELISA **OR** PCR
Tobacco streak virus [strains not in New Zealand]	ELISA **OR** PCR
Phytoplasmas	
Cranberry false blossom phytoplasma	Nested PCR **OR** real time PCR using universal phytoplasma primers

(1) The unit for testing is defined in 1.6.1

(2) Virus testing (ELISA and PCR) must be carried out in the spring or under spring-like conditions using the new flush of growth. Bacteria and phytoplasma testing (PCR) must be carried out at the end of the summer or under summer-like conditions.

(3) *Vaccinium macrocarpon* plants must be sampled from at least two positions on every stem including a young, fully expanded leaf at the top of each stem and an older leaf from a midway position.

(4) All PCR and ELISA tests must be validated using positive controls prior to use in quarantine testing. Positive and negative controls (including a blank water control for PCR) must be used in all tests.

(5) Inspect *Vaccinium macrocarpon* plants for signs of pest and disease at least twice per week during periods of active growth and once per week during dormancy.

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests.
- With prior notification, other internationally recognised testing methods may be accepted.

3.158 Verbena

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Verbena"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	*Tetranychus kanzawai*, tomato chlorotic dwarf viroid, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.158.1
Tissue cultures	**Option 1**: Pest freedom additional declaration for tomato chlorotic dwarf viroid **Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.158.2
Tissue cultures	**Option 2**: No pest freedom additional declaration for tomato chlorotic dwarf viroid **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.158.3

3.158.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	All species	**Option 1: Additional Declaration** One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from tomato chlorotic dwarf viroid".
		Option 2: Testing in PEQ Testing in PEQ with PCR-based methods.

Pest	Applies to	Condition
Urendinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases are not known to occur on [the imported genus] in [the country in which the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.158.2 Tissue cultures option 1

(1) This option applies to tissue cultures with a pest freedom additional declaration for tomato chlorotic dwarf viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert plant species] plants in this consignment have been produced in a 'pest free area', where tomato chlorotic dwarf viroid is not known to occur". **OR** • "The [insert plant species] plants have been produced in a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from tomato chlorotic dwarf viroid".
Xylella fastidiosa	All species	Refer to 2.4

3.158.3 Tissue cultures option 2

(1) This option applies to tissue cultures without a pest freedom additional declaration for tomato chlorotic dwarf viroid.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	All species	Testing in PEQ with PCR-based methods.
Xylella fastidiosa	All species	Refer to 2.4

3.159 Veronica

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Veronica" Suspended species: All species in the genera are suspended: *Abelmoschus, Anthyllis, Caesalpinia, Celtis, Cenchrus, Chionanthus, Cistus, Clethra, Coronilla, Elaeagnus, Eremophila, Eriogonum, Fagopyrum, Halimium, Inga, Justicia, Koelreuteria, Lippia, Marrubium, Melicytus, Myoporum, Oxydendrum, Phyla, Phytolacca, Pomaderris, Ruta, Sassafras, Schinus, Sidalcea, Stellaria, Stewartia, Swainsona, Talinum.*
Approved commodities	Whole plants Cuttings Tissue cultures Suspended commodities: Whole plants and cuttings for *Albizia* only.
Approved countries	All Suspended countries: Greece and the United States of America for imports of *Cordyline*.
Quarantine pests	*Ceratocystis fimbriata, Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Phytophthora ramorum*, Phytoplasma 16SrI – aster yellows, *Xylella fastidiosa*
Whole plants	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.159.1
Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.159.2
Tissue cultures	**Import permit**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa* **Special conditions**: Refer to 3.159.3

3.159.1 Whole plants

(1) General requirements for whole plants are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the following genera: *Cassia*, *Celtis, Inga*	Refer to 2.1
Phellinus noxius	All species of the *Albizia* and *Cassia* genera AND the following species: *Agathis robusta*, *Celtis sinensis*, *Grevillea robusta*, *Ilex rotunda*, *Lagerstroemia speciosa*, *Lagerstroemia subcostata*, *Ligustrum japonicum*, *Liquidambar formosana, Pistacia chinensis*	Refer to 2.2
Phytophthora capsici	All species of the following genera: *Abelmoschus*, *Pistacia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species of the following genera: *Abelmoschus*, *Catharanthus*, *Coronilla*, *Dodonaea*, *Grevillea*, *Pistacia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species of the following genera: *Celtis*, *Cercis*, *Cistus*, *Erica*, *Grevillea*, *Ilex*, *Pistacia*, *Robinia* AND the following species: *Veronica spicata*	Refer to 2.3
Phytoplasma 16SrI – aster yellows	All species of the following genera: *Hemerocallis* and *Veronica*	Refer to 2.5

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.159.2 Cuttings

(3) General requirements for cuttings are set out in 1.10.

(4) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Ceratocystis fimbriata	All species of the following genera: *Cassia*, *Celtis and Inga*	Refer to 2.1
Phytophthora capsici	All species of the following genera: *Abelmoschus*, *Pistacia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".
Phytophthora palmivora	All species of the following genera: *Abelmoschus*, *Catharanthus*, *Coronilla*, *Dodonaea*, *Grevillea*, *Pistacia*	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".
Phytophthora ramorum	All species of the following genera: *Celtis*, *Cercis*, *Cistus*, *Erica*, *Grevillea*, *Ilex*, *Pistacia*, *Robinia* AND the following species: *Veronica spicata*	Refer to 2.3

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species of the following genera: *Hemerocallis* and *Veronica*	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.159.3 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or *Xylella fastidiosa*

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows	All species of the following genera: *Hemerocallis* and *Veronica*	Refer to 2.5
Xylella fastidiosa	All species	Refer to 2.4

3.160 Viburnum

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Viburnum"
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America.
Quarantine pests	*Phytophthora ramorum*, Uredinales, *Xylella fastidiosa*
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months, or 6 months if required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.160.1
Tissue cultures	**Import permit**: Not required, unless required by measures for *Xylella fastidiosa* **PEQ**: Not required, unless required by measures for *Xylella fastidiosa* **Special conditions**: Refer to 3.160.2

3.160.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ:** Level 2 **Minimum period:** 3 months, or 6 months if required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Phytophthora ramorum	All species	Refer to 2.3
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on [the host species being imported] in [the country in which the plants were grown]".
Xylella fastidiosa	All species	Refer to 2.4

3.160.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for *Xylella fastidiosa*
Post-entry quarantine	Not required, unless required by measures for *Xylella fastidiosa*

Pest	Applies to	Condition
Xylella fastidiosa	All species	Refer to 2.4

3.161 Vitis

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Vitis"
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: Vitis Regulated Pests (actionable)
Cuttings (dormant)	**Option 1**: Cuttings from MPI-approved offshore facilities **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.161.1
	Option 2: Cuttings from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.161.2
Tissue cultures	**Option 1**: Tissue cultures from MPI-approved offshore facilities **Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.161.3
	Option 2: Tissue cultures from non-approved facilities **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 16 months **Special conditions**: Refer to 3.161.4

3.161.1 Cuttings (dormant) option 1

(1) This option applies to cuttings from MPI-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection**, **testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.161.5
Phytosanitary requirements	Before a phytosanitary certificate is to be issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Vitis* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND**

	• inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • sourced from mother plants that have been kept in insect-proof plant houses. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate: "The *Vitis* cuttings have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • sourced from mother plants that have been kept in insect-proof plant houses. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

Pest	Applies to	Condition
Syrah decline	All Syrah cultivars of *Vitis* spp.	The following additional declaration must be endorsed on the phytosanitary certificate: • "The *Vitis* cuttings have been sourced from mother plants which are at least 10 years old and have been inspected during the growing season and are free from symptoms of Syrah decline."

3.161.2 Cuttings (dormant) option 2

(1) This option applies to cuttings not from MPI-approved offshore facilities.

(2) General requirements for cuttings are set out in 1.10.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection**, **testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.161.5
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vitis* cuttings have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.

	AND • treated for regulated insects and mites as described in Appendix 3 within 7 days prior to shipment. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the NPPO of the exporting country must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section.

Pest	Applies to	Condition
Syrah decline	All Syrah cultivars of *Vitis* spp.	The following additional declaration must be endorsed on the phytosanitary certificate: • "The *Vitis* cuttings have been sourced from mother plants which are at least 10 years old and have been inspected during the growing season and are free from symptoms of Syrah decline."

3.161.3 Tissue cultures option 1

(1) This option applies to tissue cultures from MPI-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Inspection**, **testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.161.5.
Phytosanitary requirements	Before a phytosanitary certificate is to be issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Vitis* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • produced in either mother plants that have been kept in insect-proof plant houses. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate:

	"The *Vitis* tissue cultures have been: • held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of the MPI-approved offshore facility]. **AND** • sourced from mother plants that have been kept in insect-proof plant houses. **AND** • held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

Pest	Applies to	Condition
Syrah decline	All Syrah cultivars of *Vitis* spp.	The following additional declaration must be endorsed on the phytosanitary certificate: • "The *Vitis* tissue cultures have been sourced from mother plants which are at least 10 years old and have been inspected during the growing season and are free from symptoms of Syrah decline."

3.161.4 Tissue cultures option 2

(1) This option applies to tissue cultures not from MPI-approved offshore facilities.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 16 months **Inspection, testing and treatment**: During the PEQ period, imported material must be inspected, treated and/or tested for regulated pests at the expense of the importer, as specified in 3.161.5
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Vitis* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.

Pest	Applies to	Condition
Syrah decline	All Syrah cultivars of *Vitis* spp.	The following additional declaration must be endorsed on the phytosanitary certificate: • "The *Vitis* tissue cultures have been sourced from mother plants which are at least 10 years old and have been inspected during the growing season and are free from symptoms of Syrah decline."

3.161.5 Inspection, testing and treatment requirements for *Vitis*

Organism types	MPI-accepted methods
Mites	Visual inspection **AND** **Cuttings**: miticide treatments (Refer to Appendix 3) **Tissue cultures**: binocular microscope inspection in PEQ
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility. **AND** Growing season inspection in PEQ for disease symptom expression **AND** Examination using a dissecting microscope or hand lens (longitudinal and transverse sections) **AND** Plating on potato dextrose agar
Bacteria	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post-entry quarantine facility.
Agrobacterium rubi	Growing season inspection in PEQ for disease symptom expression **AND** **Cuttings:** Hot water treatment (Refer to 3.161.6)
Xanthomonas campestris pv. *viticola*	Growing season inspection in PEQ for disease symptom expression **AND** **Cuttings:** Hot water treatment (Refer to 3.161.6)
Xylophilus ampelinus	Growing season inspection in PEQ for disease symptom expression **AND** **Cuttings:** Hot water treatment (Refer to 3.161.6)
Xylella fastidiosa	PCR (two sets, samples to be collected at least four weeks apart) **AND** **Cuttings:** Hot water treatment (Refer to 3.161.6)
Viruses	
Artichoke Italian latent virus	Growing season inspection in PEQ for disease symptom expression
Cherry leaf roll virus [strains not in New Zealand]	ELISA **OR** PCR **OR** HTS
Grapevine Ajinashika disease virus	Growing season inspection in PEQ for disease symptom expression
Grapevine Algerian latent virus	Growing season inspection in PEQ for disease symptom expression
Grapevine Anatolian ringspot virus	Growing season inspection in PEQ for disease symptom expression
Grapevine angular mosaic virus	Growing season inspection in PEQ for disease symptom expression
Grapevine berry inner necrosis virus	PCR **OR** HTS

Organism types	MPI-accepted methods
Grapevine Bulgarian latent virus	PCR **OR** HTS
Grapevine chrome mosaic virus	PCR **OR** HTS
Grapevine deformation virus	PCR **OR** HTS
Grapevine fabavirus	PCR **OR** HTS
Grapevine fanleaf virus	ELISA **OR** PCR **OR** HTS
Grapevine labile rod-shaped virus	Growing season inspection in PEQ for disease symptom expression
Grapevine leafroll-associated virus [type 7]	PCR **OR** HTS
Grapevine leafroll-associated virus 2 “red globe”	PCR **OR** HTS
Grapevine line pattern virus	Growing season inspection in PEQ for disease symptom expression
Grapevine pinot gris virus	PCR **OR** HTS
Grapevine red blotch virus	PCR **OR** HTS
Grapevine stunt virus	Growing season inspection in PEQ for disease symptom expression
Grapevine Tunisian ringspot virus	Growing season inspection in PEQ for disease symptom expression
Grapevine vein clearing virus	Growing season inspection in PEQ for disease symptom expression
Grapevine virus D	PCR **OR** HTS
Grapevine virus E	PCR **OR** HTS

Organism types	MPI-accepted methods
Peach rosette mosaic virus	ELISA **OR** PCR **OR** HTS
Petunia asteroid mosaic virus	ELISA **OR** PCR **OR** HTS
Raspberry ringspot virus [strains not in New Zealand]	ELISA **OR** PCR **OR** HTS
Sowbane mosaic virus	PCR **OR** HTS
Strawberry latent ringspot virus [strains not in New Zealand]	PCR **OR** HTS
Tomato ringspot virus	ELISA **OR** PCR **OR** HTS
Viroids	Growing season inspection in PEQ for disease symptom expression
Phytoplasmas	**Plants derived from cuttings:** Hot water treatment (Refer to 3.161.6) **AND** • Nested PCR **OR** • real-time PCR using universal phytoplasma primers
	Plants derived from tissue cultures: Nested PCR **OR** Real-time PCR using universal phytoplasma primers (two sets, samples to be collected at least four weeks apart)

(1) The unit for testing is defined in 1.6.1.

(2) Enzyme-linked immunosorbent assay (ELISA) and polymerase chain reaction (PCR) tests are used for virus detection. Plants should be sampled from at least two positions, including a young, fully expanded leaf at the top of the stem and an older leaf from a midway position. Tests must be completed at the optimal time for detection.

(3) All PCR and ELISA tests must be validated using positive controls before being used in quarantine testing. Positive and negative controls should be used in all tests.

(4) Inspect *Vitis* plants for signs of pest and disease at least twice per week during periods of active growth and once per week during dormancy.

Guidance

- Positive internal control primers and a negative plant control should also be used in PCR tests. A blank water control for PCR is also recommended.
- With prior notification, other internationally recognised testing methods may be accepted.

3.161.6 Approved treatments

(1) **Hot water treatment**: The consignment must be treated using hot water treatment (dipping), for the eradication of phytoplasmas and fastidious vascular prokaryotic organisms, as follows:

a) Cuttings with good hydration and reserves are stored in a cool room (~4 °C). Before treatment, the dormant material must be held at room temperature for one day (24 hours).

b) For the treatment, the dormant material must be dipped into the hot water at 50 °C for 45 minutes or at 45 °C for 3 hours (FAO/IBPGR Technical Guidelines for Safe Movement of Grapevine Germplasm, 1990, Martelli G.P and Walter B. Virus Certification of Grapevines. In - Plant Virus Disease Control, edited by A. Hadidi, RK Khetarpal and H Koganezawa. APS Press 1998). The water bath must have a moving system to homogenize the temperature and a precise control system to monitor the temperature at an accuracy of 0.1 °C.

c) After the treatment the cuttings must stay for one day (24 hours) at room temperature. After this period, they are transferred to a cool room.

3.162 Wollemia nobilis

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Wollemia nobilis"
Approved commodities	Tissue cultures
Approved countries	Australia
Quarantine pests	Refer to Appendix 5: Wollemia nobilis Regulated Pests (actionable)
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.162.1

3.162.1 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Not Required
Post-entry quarantine	Not Required
Phytosanitary requirements	The tissue culture media must not contain charcoal. Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The *Wollemia nobilis* plants *in-vitro* have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • derived from mother stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • derived from explant material which has been surface sterilised in a solution of 0.5% sodium hypochlorite and sterile water, or MPI-approved alternative treatment. **AND** • prepared by asexual reproduction (clonal techniques) under sterile conditions. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification.

3.163 Yucca

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Yucca"
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	*Phytophthora palmivora*
Cuttings (dormant)	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.163.1
Tissue cultures	**Import permit**: Not required **PEQ**: Not required **Special conditions**: None, refer to general requirements in 1.11.

3.163.1 Cuttings (dormant)

(1) General requirements for cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

(3) **Inspection Requirements:** A minimum of 600 plants are to be inspected during each inspection in post-entry quarantine.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months

Pest	Applies to	Condition
Phytophthora palmivora	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*". **OR** • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

3.164 Zantedeschia

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Zantedeschia"
Approved commodities	Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	Refer to Appendix 5: Zantedeschia Regulated Pests (actionable)
Tissue cultures	**Option 1**: Tissue cultures with parent stock inspection **Import permit**: Not required **PEQ**: Not required **Special conditions**: Refer to 3.164.1
	Option 2: Tissue cultures without parent stock inspection **Import permit**: Required **PEQ**: Level 3B **Minimum period**: 3 months **Special conditions**: Refer to 3.164.2
Dormant bulbs	**Import permit**: Required **PEQ**: Level 1 **Minimum period**: 3 months **Special conditions**: Refer to 3.164.3

3.164.1 Tissue cultures option 1

(1) This option applies to tissue cultures with parent stock inspection

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Not Required
Post-entry quarantine	Not Required
Phytosanitary requirements	Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The *Zantedeschia* tissue cultures have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declaration to the phytosanitary certificate: • "The *Zantedeschia* tissue cultures have been derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests"

3.164.2 Tissue cultures option 2

(1) This option applies to tissue cultures without parent stock inspection.

(2) General requirements for tissue cultures are set out in 1.11.

(3) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 3B **Minimum period**: 3 months

3.164.3 Dormant bulbs

(1) General requirements for dormant bulbs are set out in 1.12.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 1 **Minimum period**: 3 months
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. The *Zantedeschia* dormant bulbs have been: • inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses. **AND** • held in a manner to ensure that infestation/reinfestation does not occur following certification. **AND** (choose one) – produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi **OR** – treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.
Additional declarations to the phytosanitary certificate	If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section [if applicable], and by providing the following additional declaration to the phytosanitary certificate: "The *Zantedeschia* dormant bulbs in this consignment have been: • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable]. **AND** • produced in a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses."

3.165 Zingiber

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under Zingiber"
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	*Helicobasidium mompa*, *Ralstonia pseudosolanacearum*, virus diseases
Whole plants, Cuttings	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 6 months **Special conditions**: Refer to 3.165.1
Tissue cultures	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.165.2
Dormant bulbs	**Import permit**: Required **PEQ**: Level 2 **Minimum period**: 3 months **Special conditions**: Refer to 3.165.3

3.165.1 Whole plants, Cuttings

(1) General requirements for whole plants and cuttings are set out in 1.10.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 6 months **Additional requirements at a level 2 quarantine facility**: • All plants must be inspected as per the requirements set out in the facility standard 155.04.03 *Identification of Organisms* • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal. • Any debris on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any bacterial, fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual.

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for disease symptom expression **AND** Plating on selective media **OR** PCR • Samples must be collected and tested after the minimum PEQ period of active growth. • The unit for testing is defined in 1.6.1

3.165.2 Tissue cultures

(1) General requirements for tissue cultures are set out in 1.11.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period**: 3 months **Additional requirements at a level 2 quarantine facility**: • All plants must be inspected as per the requirements set out in the facility standard 155.04.03 *Identification of Organisms* • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal. • Any debris on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any bacterial, fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual.
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

Pest	Applies to	Condition
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for disease symptom expression **AND** Plating on selective media **OR** PCR • Samples must be collected and tested after the minimum PEQ period of active growth. • The unit for testing is defined in 1.6.1.
Virus diseases	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • "The tissue cultures have been derived from parent stock tested and found free of virus diseases."

3.165.3 Dormant bulbs

(1) General requirements for dormant bulbs are set out in 1.12.

(2) Specific requirements are detailed below.

Import permit	Required
Post-entry quarantine	**PEQ**: Level 2 **Minimum period:** 3 months **Additional requirements at a level 2 quarantine facility**: • All plants must be inspected as per the requirements set out in the facility standard 155.04.03 *Identification of Organisms* • Irrigation water must be collected and either allowed to evaporate or treated prior to disposal. • Any debris on the greenhouse floor must be swept up or vacuumed (and disposed of in the normal quarantine waste stream) rather than being hosed into the drain. • Contingency plans must be developed to identify actions that will be taken to contain the propagules of any bacterial, fungal or oomycete disease organisms in the event of disease symptoms becoming evident during the quarantine period. These plans must be recorded in the facility operating manual.
Additional declarations to the phytosanitary certificate	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests. **AND** • treated for regulated insects as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."

Pest	Applies to	Condition
Helicobasidium mompa	All species	The following additional declaration must be endorsed on the phytosanitary certificate: "The dormant bulbs in this consignment have been: • produced in a 'pest free area' or 'pest free place of production' [choose ONE], free from *Helicobasidium mompa."* **OR** • treated for regulated fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment."
Ralstonia pseudosolanacearum	All species	Growing season inspection in PEQ for disease symptom expression **AND** Plating on selective media **OR** PCR • Samples must be collected and tested after the minimum PEQ period of active growth. • The unit for testing is defined in 1.6.1.

Appendix 1: Definitions

Definitions have the same meaning as defined by ISPM 5. *Glossary of phytosanitary terms* or the Biosecurity Act 1993 unless set out below. Derived forms of terms set out in the aforementioned sources, e.g. *inspect* from *inspection*, are considered to have the same meaning as the defined term.

a.i.
active ingredient

active growth
a plant on which at least two fully expanded leaves, which have developed from dormant buds in the current growing season, are present

additional declaration
definition as per ISPM 5. *Glossary of phytosanitary terms*

biosecurity clearance/cleared
definition as per the Act

budwood
see cuttings

bulb
a thickened, vegetative part of a plant in a dormant state, e.g., true bulbs, bulbils, corms, tubers and rhizomes

chief technical officer
definition as per the act

consignment
definition as per ISPM 5. *Glossary of phytosanitary terms*

contamination
definition as per ISPM 5. *Glossary of phytosanitary terms*

country of origin (of a consignment of plants)
definition as per ISPM 5. *Glossary of phytosanitary terms*

cutting
a commodity sub-class of plants for planting referring to propagation material from the stem only, no roots

dormant
temporarily inactive/suspended growth (cuttings of deciduous species should have no leaves; bulbs should have no leaves or roots)

entry (of a consignment)
definition as per ISPM 5. *Glossary of phytosanitary terms*

Environmental Protection Authority (EPA)
the authority responsible for administering the Hazardous Substances and New Organisms Act 1996

Equivalence/equivalent
definition as per ISPM 5. *Glossary of phytosanitary terms*

facility operator
definition as per the Act

FAO
Food and Agriculture Organization of the United Nations

free from
definition as per ISPM 5. *Glossary of phytosanitary terms*

genetically modified organism (GMO)
(as defined by the Hazardous Substances and New Organisms Act 1996)
any organism in which any of the genes or any other genetic material:

a) have been modified by *in-vitro* techniques; or
b) are inherited or otherwise derived, through any number of replications, from any genes or other genetic material which has been modified by *in-vitro* techniques

import/imported
definition as per the Act

import health standard (import health standard)
definition as per the Act

import permit
official document issued by the Ministry for Primary Industries that authorises import of a commodity in accordance with specified phytosanitary requirements

importation
definition as per the Act

importer
definition as per the Act

in transit
refers to risk goods (consignments) in the process of being shipped to New Zealand, for example risk goods in sea containers on board a vessel. These risk goods or consignments may have treatments applied (for example, cold treatment) while the risk goods are en route to New Zealand

incidentally imported new organism
definition as per the Act

infestation/infested
definition as per ISPM 5. *Glossary of phytosanitary terms*

inspection/inspect
definition as per ISPM 5. *Glossary of phytosanitary terms*

inspector
definition as per the Act

ISPM
International Standard for Phytosanitary Measures, available on www.ippc.int/en/core-activities/standards-setting/ispms/

Level 1 (L1), Level 2 (L2), Level 3 (L3), Level 3A (L3A) or Level 3B (L3B) quarantine
a system of post-entry quarantine screening whereby plants for planting are grown under certain specified conditions on a property and by a person registered by MPI (see Facility Standard: Post-entry Quarantine for Plants PEQ.STD)

lot
definition as per ISPM 5. *Glossary of phytosanitary terms*

maximum pest limit (MPL)
the maximum level of infestation/contamination allowed within a consignment

MPI
the Ministry for Primary Industries, formerly the Ministry of Agriculture and Forestry (MAF)

MPI-approved offshore facility
a production site approved by MPI to the MPI standard *Standard for Offshore Facilities Holding and Testing Plants for Planting* for the export of plants for planting to New Zealand

National Plant Protection Organisation (**NPPO**)
definition as per ISPM 5. *Glossary of phytosanitary terms*

non-dormant
normal state of plant growth, not in suspended growth.

nursery stock
see **plants for planting**

Official New Zealand Pest Register (ONZPR)
the searchable database of pests regulated in New Zealand, including general information about each pest as well as specific details for importers and exporters, available at https://onzpr.mpi.govt.nz/

official/officially
definition as per ISPM 5. *Glossary of phytosanitary terms*

organism
definition as per the Act

packaging/packaged
definition as per ISPM 5. *Glossary of phytosanitary terms*

pathway
definition as per ISPM 5. *Glossary of phytosanitary terms*

permit to import
see **import permit**

pest
definition as per ISPM 5. *Glossary of phytosanitary terms*

pest free area
definition as per ISPM 5. *Glossary of phytosanitary terms*

pest free place of production
definition as per ISPM 5. *Glossary of phytosanitary terms*

pest free production site
definition as per ISPM 5. *Glossary of phytosanitary terms*

phytosanitary certification / phytosanitary certificate
definition as per ISPM 5. *Glossary of phytosanitary terms*

phytosanitary measure

definition as per ISPM 5. *Glossary of phytosanitary terms*

phytosanitary security
definition as per ISPM 5. *Glossary of phytosanitary terms*

place of production
definition as per ISPM 5. *Glossary of phytosanitary terms*

planting
definition as per ISPM 5. *Glossary of phytosanitary terms*

plants
definition as per ISPM 5. *Glossary of phytosanitary terms*

Plants Biosecurity Index (PBI)
MPI database that lists plant species that have been approved for import into New Zealand as nursery stock or seed for sowing. The PBI is available at https://piersearch.mpi.govt.nz/plants-biosecurity-index/

plants for planting
definition as per ISPM 5. *Glossary of phytosanitary terms* (formerly **nursery stock**)

plants in tissue culture
plants in vitro that have been prepared as tissue culture from one parent by asexual reproduction (clonal techniques) under sterile conditions

plants in vitro
a commodity class for plants growing in an aseptic medium in a closed container

post-entry quarantine (PEQ)
definition as per ISPM 5. *Glossary of phytosanitary terms*

post-entry quarantine greenhouse
a greenhouse that is approved by MPI as a transitional facility under the MPI Facility Standard: Post-entry Quarantine for Plants PEQ.STD for the purpose of holding any plant material imported as plants for planting or seed for sowing that requires post-entry quarantine before the plants can be given a biosecurity clearance

post-entry quarantine tissue culture laboratory
a tissue culture laboratory that is approved by MPI as a transitional facility under the MPI Facility Standard: Post-entry Quarantine for Plants PEQ.STD for the purpose of holding any plants imported as tissue cultures that require post-entry quarantine before the plants can be given a biosecurity clearance

production site
definition as per ISPM 5. *Glossary of phytosanitary terms*

quarantine
definition as per ISPM 5. *Glossary of phytosanitary terms*

quarantine pest
definition as per ISPM 5. *Glossary of phytosanitary terms*

regulated article
definition as per ISPM 5. *Glossary of phytosanitary terms*

regulated pest
a pest that is identified as a regulated pest in ONZPR or the Schedule of regulated (quarantine) weed seeds

risk goods
definition as per the Act

scionwood
see **cutting**

seeds
definition as per ISPM 5. *Glossary of phytosanitary terms*

test
definition as per ISPM 5. *Glossary of phytosanitary terms*

transitional facility
definition as per the Act

treatment/treated
definition as per ISPM 5. *Glossary of phytosanitary terms*

unit
the basic element selected for sampling. For plants for planting this unit may be a plant, bulb or cutting. For tissue cultures it is the vessel containing the cultures

whole plants
a commodity sub-class of plants for planting referring to rooted cuttings and plants with developed roots

Appendix 2: Document History

This note is not part of the Import Health Standard but is intended to indicate its general effect.

No	Details	Date
1	Section 2.2.1.7 Pesticide treatments for dormant bulbs	27 April 2005
2	Lilium schedule of special conditions, sections 2.2.1.6, 2.2.1.7 and 2.2.2.	17 June 2005
3	Ficus schedule	6 September 2005
4	Acacia, Acer, Allium, Canna, Cotoneaster, Cycas, Hippeastrum, Hydrangea, Iris, and Lilium schedules	6 October 2005
5	Acacia, Acer, Begonia, Canna, Cotoneaster and Hydrangea schedules, section 2.2.1.7	8 February 2006
6	Acer, Aesculus, Arbutus, Acacia, Calladium, Camellia, Castanea, Gaultheria, Fagus, Kalmia, Photinia, Prunus and Vaccinium schedules, section 2.2.1.10, section 2.2.1.11	22 May 2006
7	Actinidia, Hippeastrum and Prunus schedules	9 August 2006
8	Allium, Fragaria, Hippeastrum, Miscanthus, Solanum tuberosum, and Zantedeschia schedules	4 August 2008
9	Corylus and Wollemia nobilis schedules.	10 November 2008
10	Allium, Persea, Rubus, Vaccinium, and Vaccinium macrocarpon schedules.	7 April 2009
11	Sections 1.4, 2.2.1.8, 2.2.1.9, 2.2.1.11, 2.2.3, and 3	1 October 2009
12	Section 2.2.1.11	20 October 2009
13	Tulipa schedule	18 January 2010
14	Prunus, Solanum tuberosum, and Vaccinium macrocarpon schedules.	6 July 2010
15	Allium schedule	13 September 2010
16	Berberis, Carpinus, Cotoneaster, Eucalyptus, Nandina, Olea, Populus, Pseudotsuga, Ulmus schedules, section 2.2.1.10 and section 2.2.1.11	7 June 2011
17	Phalaenopsis schedule	8 August 2011
18	Removal of the schedules for Acca sellowiana and Agonis, with incorporation under the Metrosideros schedule. Amendment to the Eucalyptus and Eugenia schedules.	25 August 2011
19	Dracaena schedule	12 September 2011
20	Malus schedule	20 June 2012
21	Artocarpus schedule	29 June 2012
22	Cycas, Dracaena, Fuchsia schedules, section 2.2.1.10, 2.2.1.11, 2.2.3 and 2.3.3	16 August 2012
23	*Solanum tuberosum* schedule	8 April 2013
24	Eucalyptus, Eugenia, Metrosideros and Vitis schedules	22 May 2013
25	Actinidia schedule	6 September 2013
26	Section 2.2.2.2	27 January 2014
27	Vitis schedule	11 March 2014

No	Details	Date
28	Rubus schedule	21 March 2014
29	Section 2.3.2.1, section 2.2.1.11, schedules for Allium, Begonia, Canna, Citrus, Crocus, Dahlia, Fortunella, Fragaria, Gladiolus, Hippeastrum, Lilium, Malus, Miscanthus × giganteus, Narcissus, Olea, Persea, Poncirus, Prunus, Rubus, Solanum tuberosum, Tulipa, Vaccinium, Vaccinium macrocarpon and Vitis	11 June 2014
30	Schedules for Chrysanthemum, Diascia, Dahlia and Solanum	18 August 2014
31	Schedules for Citrus, Fortunella, Fragaria, Malus and Poncirus	27 November 2014
32	Schedules for Hippeastrum and Vitis	21 January 2015
33	Sections 2.2.1.6, 2.2.1.7 and 2.2.1.8 (new section for *Ceratocystis fimbriata*, with renumbering of subsequent sections). Schedules for Acacia, Acrocomia, Carica, Carya, Carya ovata, Citrus, Delphinium, Eucalpytus, Fagus, Fagus sylvatica, Ficus, Fragaria, Juglans, Malus, Mangifera, Metrosideros, Platanus, Populus, Prunus, Quercus, Rubus, Tulipa, Ulmus, Vaccinium and Vitis	10 December 2015
34	Schedules for Fragaria, Malus, Olea, Prunus, Rubus, Solanum tuberosum, Vaccinium and Vitis	11 March 2016
35	Section 2.2.1.12, and schedule for Acacia	6 May 2016
36	Section 2.2.1.13 (new section for *Phellinus noxius*, with renumbering of subsequent sections). Schedules for Acacia, Acrocomia, Aesculus, Araucaria, Arbutus, Artocarpus, Camellia, Camellia sinensis, Cedrus, Citrus, Crataegus, Cycas, Delphinium, Diospyros, Eriobotrya, Eucalyptus, Eugenia, Ficus, Fortunella, Hebe, Hydrangea, Litchi, Mangifera, Metrosideros, Nandina, Persea, Planera, Poncirus, Populus, Prunus, Rhododendron, Rosa, Salix, Ulmus, and Vitis	21 November 2016
37	Sections 1.3, 1.4, 2.2.1.12, 2.3.2. Schedules for Acacia, Acer, Acrocomia, Aesculus, Arbutus, Asparagus, Bidens, Canna, Carya, *Carya ovata*, Castanea, Citrus, Cotoneaster, Delphinium, Diospyros, Eucalyptus, Eugenia, Eupatorium, Fagus, Fagus sylvatica, Ficus, Fuchsia, Fortunella, Fragaria, Helianthus, Hebe, Humulus, Hydrangea, Ipomoea batatas, Juglans, Juniperus, Metrosideros, Nandina, Olea, Persea, Phoenix, Photinia, Platanus, Poncirus, Populus, Prunus, Pseudotsuga, Pyrus, Quercus, Ranunculus, Rosa, Rubus, Salix, Solanum tuberosum, Solidago, Ulmus, Vaccinium, Verbena and Vitis	21 December 2016
38	Schedule for Rosa	22 December 2016
39	Sections 2.2.2.4, 2.2.2.5 (new section for *Xylella fastidiosa*), 2.2.2.6 (new section for post-entry quarantine), and 2.3. Schedules for Acacia, Acer, Acrocomia, Aesculus, Arbutus, Asparagus, Bidens, Canna, Carya, Carya ovata, Castanea, Cotoneaster, Delphinium, Diospyros, Eucalyptus, Eugenia, Eupatorium, Fagus, Fagus sylvatica, Ficus, Fuchsia, Hebe, Humulus, Hydrangea, Ipomoea batatas, Juglans, Malus, Metrosideros, Nandina, Phoenix, Photinia, Platanus, Populus, Prunus, Pseudotsuga, Quercus, Ranunculus, Rosa, Salix, Solanum tuberosum, Solidago, Ulmus, Vaccinium macrocarpon, and Verbena	27 February 2017
40	Updated sections 1.3 and 1.4, and relevant schedules to align with commencement of Facility Standard: Post-entry quarantine for Plants (MPI.STD.PEQ).	8 March 2017
41	Addition of Petunia schedule.	9 June 2017

No	Details	Date
42	Amendment to the Petunia schedule with new GM requirements	31 October 2017
43	Amendment to the Vaccinium schedule with a change to post-entry quarantine requirements for tissue cultures.	11 December 2017
44	Amendment to the Delphinium schedule with addition of *Euryops* for conditions for *Xylella fastidiosa*.	4 April 2018
45	Addition of conditions for *Phytophthora capsici*, *P. palmivora* and *P. tentaculata* in the following schedules: Abies, Acacia, Acer, Acrocomia, Aesculus, Allium, Araucaria, Arbutus, Artocarpus, Calanthe, Carica, Chrysanthemum, Crataegus, Dahlia, Delphinium, Dianthus, Dianthus caryophyllus, Diospyros, Dracaena, Eugenia, Ficus, Gerbera, Hebe, Lilium, Mangifera, Metrosideros, Olea, Paulownia, Phalaenopsis, Phoenix, Solanum, Verbena, Yucca and creation of three new schedules (i.e. Anthurium, Cichorium and Epipremnum schedules).	26 April 2018
46	Amendment to the Solanum tuberosum schedule with addition of "*Candidatus* Liberibacter solanacearum" haplotype B, Columbia basin purple top phytoplasma, *Pectobacterium polaris* and potato Virus H.	26 June 2018
47	Amendment to the Anthurium and Rosa schedules with additions of measures for *Ralstonia pseudosolanacearum*	25 January 2019
48	Amendment to the Araucaria schedule with addition of *Xylella fastidiosa* to the "Quarantine Pests" list and also "Conditions for *Xylella fastidiosa* (section 2.2.1.12), which applies to the members of *Broussonetia* genus only.	30 January 2019
49	Amendment to the Rosa schedule with addition of measures for grapevine pinot gris virus	13 February 2019
50	Amendment to the Acacia and Epipremnum schedules with addition of measures for *Ralstonia pseudosolanacearum*	7 March 2019
51	Amendment to the Solanum tuberosum schedule with addition of measures for *Ralstonia pseudosolanacearum*	5 August 2019
52	Amendment to the Vaccinium schedule with addition of measures for *Ralstonia pseudosolanacearum*	30 August 2019
53	Amendment to the Actinidia schedule and Section 2.2.1.12 "Measures for *Xylella fastidiosa*"	29 November 2019
54	Amendment to the Prunus schedule	23 January 2020
55	Amendment to the Ficus schedule with addition of measures for *Ralstonia pseudosolanacearum*	7 February 2020
56	Amendment to the 'Basic entry conditions' 2.2.1.6 (b) to manage regulated plant mites. Amendment of the Calanthe, Dahlia, Tricyrtis, Verbena, Hydrangea, Gentiana schedules with removal of special measures for *Tetranychus kanzawai*.	20 May 2020
57	Amendment to the Petunia schedule: addition of option for importers to provide a non-GMO declaration to meet the GM requirements for *Petunia* plants for planting (Whole plants, cuttings and tissue cultures), amendment to information required on GM testing certificates for Petunia plants for planting (Whole plants, cuttings and tissue cultures), removal of the requirement for an import permit for Petunia tissue cultures.	20 May 2020

No	Details	Date
58	Amendment to the Arbutus and Metrosideros schedules editing the *Xylella fastidiosa* note. Amendment to the Chrysanthemum, Chrysanthemum morifolium and Cichorium schedules to add *Xylella fastidiosa* measures. Minor amendment to Arbutus, Chrysanthemum, Cichorium and Metrosideros schedules to fix grammatical errors.	2 June 2020
59	Amendment to the Acacia, Aesculus, Petunia, Solanum and Verbena schedules with addition of measures for Columnea latent viroid, tomato apical stunt viroid and tomato chlorotic dwarf viroid. Harmonization of measures for potato spindle tuber viroid on the Chrysanthemum, Dahlia and Diascia schedules. Amendment to the Acacia, Anthurium, Epipremnum, Ficus and Rosa schedules to add acceptable PFPP declaration for *Ralstonia pseudosolanacearum* from Costa Rica. Addition of Hoya schedule	22 July 2020
60	Minor amendments to the whole import health standard to address inconsistencies, typos and other administrative changes.	3 December 2020
61	Removal of woody indexing as a requirement in the Malus schedule of special entry conditions; and a subsequent adjustment to the post-entry quarantine period and inspection, testing and treatment requirements table.	2 March 2021
62	Amendment to Chrysanthemum morifolium schedule with addition of measures for potato spindle tuber viroid (PSTVd).	21 June 2021
63	Correction and addition of formatting, grammar, and guidance in Sections 3 (Vitis, Ficus and Solanum tuberosum), 2.2.1.8, 3.3, 1.3, 2.2.1.12, 2.2.2.5, 2.2.1.4 and the Amendment Record (No. 45)	12 August 2021
64	Amendment to the Anthurium, Delphinium and Metrosideros schedules to add measures for *Xylella fastidiosa* on the Callistemon, Clematis, Ocimum and Psidium genera.	6 September 2021
65	Amendment to Citrus, Fortunella and Poncirus schedules	8 December 2021
66	Amendment to section 2.2.1.11 to remove Malus as a host of *Phytophthora ramorum*	20 December 2021
67	Amendment to the Musa schedule of special entry conditions to make a permit a requirement for tissue culture and adding importer guidance.	27 January 2022
68	Amendment to the Arbutus and Chrysanthemum schedules editing the *Xylella fastidiosa* note. Amendment to the Viburnum schedule to add *Xylella fastidiosa* measures.	21 February 2022
69	Added guidance for genera and schedules that might be out of date.	19 July 2022
70	Amendment to the Calanthe and Phalaenopsis schedules to add measures for orchid fleck dichorhavirus (OFV). Creation of one new schedule, Dendrobium, with measures for OFV.	16 August 2022
71	Amendment to the Berberis and Epipremnum schedules to add *Xylella fastidiosa* measures. Amendment to Chrysanthemum and Cichorium schedules editing the *Xylella fastidiosa* note. Amended to the name of the Chrysanthemum morifolium schedule to Chrysanthemum × morifolium and removal of the *Xylella fastidiosa* note.	13 October 2022
72	Amendment to remove the requirements of *Machilus thunbergii* and *Persea* from this import health standard.	26 October 2022

No	Details	Date
73	Amendment to the Dracaena schedule to remove onshore treatment information for whole plants and non-dormant cuttings transferring it to MPI-ABTRT Approved Biosecurity Treatments. Amendment to recognise India and United Kingdom as *Xylella fastidiosa*-free countries, and Lebanon as a country with *X. fastidiosa*.	23 March 2023
74	Addition of measures for broad bean wilt virus 2 in the Alstroemeria schedule. Addition of India and South Africa to the approved countries list in the Alstroemeria schedule.	4 April 2023
75	Amendment to the Allium, Arbutus, Carpinus, Clivia, Delphinium, Epipremnum, Mangifera, Miscanthus × gigantus, Paulownia, and Veronica schedules to update *Xylella fastidiosa* measures.	12 May 2023
76	Removed all requirements and guidance related to biological indexing and replaced it with ELISA or PCR in the following sections: 3.2.1 (2.3.2.1 in the old format), and the schedules for Fragaria, Malus, Olea, Rubus, Solanum tuberosum, Vaccinium, Vaccinium macrocarpon, and Vitis. Removed some pests from the schedules for Fragaria, Olea, Rubus, Solanum tuberosum, and Vitis. Amended the entries for raspberry ringspot virus to only apply to strains not in New Zealand.	12 July 2023
77	Amendment to clarify the wording in the Dracaena schedule about Treatment for non-dormant cuttings and whole plants.	12 July 2023
78	Amendment to the Vitis schedule adding 3 new pests to be managed by PCR in post-entry quarantine; grapevine fabavirus, grapevine leafroll-associated virus 2 redglobe, and grapevine virus E. Also removing the option of importing plants derived from open-ground mother plants at MPI-approved offshore facilities.	16 October 2023
79	Amendment to pesticide treatments for whole plants and cuttings. Aligning with recent changes to the MPI Treatment Requirement *Approved Biosecurity Treatments*.	16 October 2023
80	Suspension of: • *Ananas comosus* whole plants and cuttings only • *Artocarpus heterophyllus* plants in vitro • *Durio zibenthinus*, *Garcinia mangostana* and *Nephelium lappaceum* whole plants, cuttings. and plants in vitro • *Mangifera indica*, *Musa* spp. and *Plinia cauliflora* whole plants and plants in vitro • *Pyrus communis* cuttings • *Ribes* spp. whole plants	16 October 2023
81	Amendment to the import requirements for *Ananas comosus*, adding requirements for managing *Dickeya zeae*, *Fusarium verticillioides*, *Pantoea ananatis*, *Phytophthora cinnamomi*, and *Phytophthora megakarya*.	16 October 2023
82	Updated the guidance plant genera with specific import requirements last imported into New Zealand from 2017 to remove 35 genera.	16 October 2023
83	Amendment to the Acacia schedule, adding import requirements to *Malva* and *Portulaca* species to manage tomato brown rugose fruit virus, and to *Portulaca* species to manage cucumber green mottle mosaic virus.	12 January 2024
84	Amendment to the Zingiber schedule, adding import requirements to manage *Ralstonia pseudosolanacearum*	30 January 2024

No	Details	Date
85	Removed all the requirements for Humulus because they have been updated and moved to a different standard. Removed requirements for *Phytophthora tentaculata* from the following schedules: Acacia, Aesculus, Arbutus, Chrysanthemum, Cichorium, Delphinium, Gerbera, Verbena and Veronica. Amendment to Veronica schedule to update *Xylella fastidiosa* measures. Added a PCR test option for *Diaporthe vaccinii* to the Vaccinium schedule.	1 March 2024
86	Minor amendment to the Vitis schedule to clarify that the requirement for Syrah decline only applied to Syrah cultivars of Vitis	8 April 2024
87	Addition of Garcinia and Nephelium lappaceum schedules. Addition of high-throughput sequencing (HTS) with restricted analysis as an option for testing of viruses for strawberry plants for planting in the Fragaria schedule	13 May 2024
88	Amendment to 39 schedules to add or remove measures for phytoplasmas. Creation of sections for phytoplasmas, and addition of Hibiscus and Pelargonium schedules.	14 June 2024
89	Addition of high-throughput sequencing (HTS) with restricted analysis as an option for testing of viruses for *Vitis* plants for planting in the Vitis schedule.	24 June 2024
90	Minor amendment to the *Chrysanthemum*, *Delphinium* and *Hydrangea* schedules to reinstate missing hosts of *Xylella fastidiosa* and Uredinales.	27 August 2024
91	Amendment to the *Hoya* schedule by removing *Hoya* undetermined tobamoviruses from the quarantine pest list and testing requirements, and adding *Alstroemeria* necrotic streak virus, *Tomato chlorotic spot virus* to the quarantine pest list. Removal of Pucciniastrum americanum from the pest list in the *Rubus* schedule. Removal of *Grapevine yellow speckle viroid 2* and *Schizothyrium pomi* (syn. *Zygophiala jamaicense*) from the pest list in the *Vitis* schedule. Amendment to sections 2.2.1.14 and 2.2.2.6	28 November 2024
92	Amendment to the Rubus and Malus schedule to add HTS as an option for testing for viruses and viroids. Amendment to the Vitis schedule to update the taxonomy for Grapevine red blotch virus and Grapevine vein clearing virus.	22 May 2025
93	Suspension of import pathways that are not fit-for-purpose. Amendment to the entire standard to change the format to be more user-friendly and rename the standard from *Importation of Nursery Stock 155.02.06* to *Plants for Planting 155.02.06*.	4 August 2025
94	Amendments to correct some issues with the new format of the standard. Changed how the requirements were presented when import permit and PEQ requirements could change from measures for phytoplasma and *Xylella fastidiosa*.	15 September 2025
95	Suspension of species in the following genera: *Allium, Diospyros, Olea* and *Passiflora*.	6 October 2025
96	Fixed import requirements for *Paulownia* tissue culture, and *Alstroemeria*, *Begonia*, *Dahlia*, *Freesia*, *Gladiolus*, *Narcissus* bulbs.	5 November 2025

No	Details	Date
97	Amendment to several schedules to add additional measures for a variety of pests across the following host genera *Abies*, *Alnus*, *Artemisia*, *Cichorium*, *Eucalyptus*, *Ilex*, *Ipomoea*, *Juniperus, Malva*, *Paulownia*, *Phlox*, *Phoenix*, and *Teucrium*. Amendment to the standard to improve clarity and correct minor errors. Removed the following pests from the standard: Apple blister bark agent, *Ovulinia azaleae*, Raspberry chlorotic net disease, *Steneotarsonemus laticeps* Removed Dicofol from the options for chemical treatments for mites. Lifted the suspension on the following genera *Actinotus, Aeonium*, *Astrophytum*, *Coryphantha*, *Dioscorea*, *Mammillaria*, *Portulacaria*. Amendment to *Daphne* and *Punica* requirements to add measures for *Xylella fastidiosa* Amendment to *Vitis* to add testing requirements for Grapevine berry inner necrosis virus	4 November 2026

Appendix 3: Pesticide treatments for whole plants and cuttings

(1) For whole plants the phytosanitary certificate must have one of the following additional declarations, unless stated otherwise in Part 3:

a) "The plants were raised from seed/cuttings in soil-less rooting media in containers maintained out of contact with the soil".

OR

b) "The roots of the plants have been dipped in fenamiphos at 1.6 g a.i. per litre of water for 30 minutes".

(2) All whole plants and cuttings must be treated for insects and mites as follows, unless stated otherwise in Part 3.

(3) If pesticide treatments have been applied pre-export, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate.

Insects

(1) One of the following treatments is required:

a) **Methyl bromide**: Apply one of the treatment options from the table below:

CT	Initial dose	Minimum end point dose:	Temperature	Time	Comments
74	48 g/m^3	28.8 g/m^3	10–15 °C	2 hours	The treatment must achieve the CT product, minimum concentration, temperature, and time listed. Used packaging must be treated as per ABTRT FVT9 or destroyed.
62	40 g/m^3	24 g/m^3	16–20 °C		
50	32 g/m^3	19.2 g/m^3	21–27 °C		
37.2	28 g/m^3	14.4 g/m^3	28–32 °C		

Guidance

- While a number of combinations of time and initial concentration may be used to achieve the minimum requirements (CT and minimum final concentration (g/m^3)) of the treatment, care must be taken to avoid phytotoxicity. Phytotoxic effects of the treatment may increase when a higher initial concentration at lower temperature and reduced duration is used.
- It is the importers responsibility to choose which 'duration of treatment (time (h))' option will be undertaken.
- The importer undertakes treatments at their own risk (see legal disclaimer in *Approved Biosecurity Treatments* (ABTRT))
- The concentration-time product (CT) utilized for methyl bromide treatment in this standard is the sum of the fumigant concentration readings (g/m^3) over time (h). This is in accordance with ISPM 43: *Requirements for the use of fumigation as a phytosanitary measure*.

OR

b) **Hot water treatment and chemical treatment** (dormant material only): immersion in hot water at a constant temperature of 24 °C for at least 2 hours, followed by immersion in hot water at a constant temperature of at least 45 °C for at least 3 hours (period required at the stated temperatures excluding warm-up times). Immersion in chlorpyrifos dip (2.4 g a.i. per litre of dip or as per manufacturer's recommendations) containing a non-ionic surfactant for 2 minutes with agitation. The treatment time must be increased to 5 minutes if bubbles remain present on the plant surface. The

dip solution must be used no more than twice or as per manufacturer's recommendations. The chlorpyrifos dip may be incorporated in the hot water treatment.

OR

c) **Chemical treatment**: Apply two active ingredients via spraying or dipping, one organophosphate and one from another different chemical group listed below:

Treatment / chemical	Active ingredient (a.i.)	Application rate (g a.i./L)	Time	Comments
Organophosphate	Acephate	0.75	2-5 mins	Dip/spray at room temperature. Refer to pesticide label to check the need for surfactants, the suitability for specific species. See Clause (1)c)i) below.
	Chlorpyrifos	0.8		
	Dimethoate	0.5 to 1.9		
	Malathion	1.5		
	Pirimiphos-methyl	0.475		
Carbamate	Carbaryl	1.2		
Diamide	Cyantraniliprole	0.15		
Diacylhydrazine	Tebufenozide	0.06		
Neonicotinoid	Imidacloprid	0.16		
	Thiacloprid	0.16		
Synthetic pyrethroid	Deltamethrin	0.025	15 mins	
	Esfenvalerate	0.03		
	Fenvalerate	0.03		
	Lambda-cyhalothrin	0.05		
Spinosyns	Spinosad	0.048	2-5 mins	

i) The above contact and systemic insecticidal dips may be used instead of fumigation, but only if the used packaging material is separately fumigated as per ABTRT FVT8 or destroyed. Plants are to be immersed completely or all surfaces sprayed to runoff. For dipping, the treatment time is normally 2 mins (except those requiring 15 mins) but must be increased to 5 mins if bubbles remain present on the plant surface. The chemicals, if compatible, may be combined as a single treatment. Dip solutions must be used no more than twice or as per manufacturer's recommendations.

Mites (non-diapausing)

(1) Treatment must be completed either offshore prior to export or on arrival in New Zealand at the importer's expense.

a) If performed offshore, the exporting country NPPO must endorse the treatments applied in the disinfestation and/or disinfection treatment section of the phytosanitary certificate including active ingredient/s of the chemical/s used, rate of application, mode of application (i.e. dipping or spraying with a surfactant), treatment time (i.e. how long the treatment was applied for) and date of application.

b) If performed on arrival (onshore), plant material must be treated at an MPI-approved facility in accordance with Approved Biosecurity Treatments (ABTRT) by an MPI-Approved Treatment Provider.

c) A copy of the chemical label must be supplied if different to the table below.

(2) One of the following two treatments is required:

a) **Methyl bromide**: Apply one of the treatment options from the table below:

CT	Initial dose	Minimum end point dose:	Temperature (°C)	Time	Comments
120	68 g/m^3	51 g/m^3	10–15	2 hours	The treatment must achieve the CT product, minimum concentration, temperature, and time listed. Used packaging must be treated as per ABTRT FVT9 or destroyed.
100	57 g/m^3	43 g/m^3	16–20		
85	48 g/m^3	36 g/m^3	21–27		
70	40 g/m^3	30 g/m^3	28–32		
120	56 g/m^3	41 g/m^3	10–15	2.5 hours	
100	48 g/m^3	35 g/m^3	16–20		
85	40 g/m^3	29 g/m^3	21–27		
70	32 g/m^3	23 g/m^3	28–32		
120	48 g/m^3	34 g/m^3	10–15	3 hours	
100	40 g/m^3	28 g/m^3	16–20		
85	34 g/m^3	24 g/m^3	21–27		
70	28 g/m^3	20 g/m^3	28–32		

i) This treatment can be applied to manage both insects and mites. When this treatment is used to manage mites, no treatment for insects mentioned in (1) is required.

Guidance

- While a number of combinations of time and initial concentration may be used to achieve the minimum requirements (CT and minimum final concentration (g/m^3)) of the treatment, care must be taken to avoid phytotoxicity. Phytotoxic effects of the treatment may increase when a higher initial concentration at lower temperature and reduced duration is used.
- It is the importers responsibility to choose which 'duration of treatment (time (h))' option will be undertaken.
- The importer undertakes treatments at their own risk (see legal disclaimer in *Approved Biosecurity Treatments* (ABTRT))
- The concentration-time product (CT) utilized for methyl bromide treatment in this standard is the sum of the fumigant concentration readings (g/m^3) over time (h). This is in accordance with ISPM 43: *Requirements for the use of fumigation as a phytosanitary measure*.

OR

b) **Chemical treatment**: Apply one of the following treatments (containing one or two active ingredients) via spraying or dipping. Treatments may be in the form of spray, or immerse the item in a dip(s) with agitation, according to the following conditions:

i) Dipping – the treatment time is normally 2 mins but must be increased to 5 mins if bubbles remain present on the plant surface. Dip solutions must be used no more than twice or as per manufacturer's recommendations. All treatments must be carried out in accordance with manufacturer's recommendations using either the recommended label rate or the rates shown in the table above; or

ii) Spraying – all surfaces of the plant must be sprayed to the point of runoff (including the under surfaces of leaves). Packing material (arriving with the plant) must be treated the same as the product or destroyed.

Treatment / chemical	Active ingredient (a.i.)	Application rate (g a.i./L)	Time	Comments
Acequinocyl		0.15	2–5 mins	Dip/spray at room temperature. Refer to pesticide label to check the need for surfactants, the suitability for specific species. Chemical treatment may be used instead of fumigation but only if the used packaging material is separately fumigated or destroyed.
Chlorfenapyr		0.087		
Abamectin + pyridaben		0.012 + 0.34		
Abamectin + spiromesifen		0.012 + 0.152		
Emamectin benzoate + pyridaben		0.002 + 0.34		
Emamectin benzoate + spiromesifen		0.002 + 0.152		
Fenazaquin + pyridaben		0.5 + 0.34		
Fenazaquin + spiromesifen		0.5 + 0.152		

Appendix 4: Pesticide treatments for dormant bulbs

(1) These treatments are only required for dormant bulbs if specifically stated in Part 3:.

Insects

(1) One of the following four treatments is required:

a) **Methyl bromide fumigation**: fumigation for 2 hours at atmospheric pressure at one of the following combinations of rate (g/m^3) and temperature (°C):

Rate, g/m^3	Temperature, °C
48	10–15
40	16–20
32	21–27
28	28–32

OR

b) **Actellic room fumigation**: 10 cc Actellic/10 m^3 of room capacity for 12 hours at 20 °C or higher. The first treatment should take place within 14 days after harvesting. Repeat the treatment two more times within an interval of 4 weeks.

OR

c) **Hot water treatment / chemical treatment**:

i) Immersion in hot water at a constant temperature of 24 °C for 2 hours, followed by immersion in hot water at a constant temperature of 45 °C for 3 hours (period required at the stated temperatures excluding warm-up times).

AND

ii) Immersion in chlorpyrifos dip (2.4g a.i. per litre of dip) containing a non-ionic surfactant for 2 minutes with agitation. The treatment time must be increased to 5 minutes if bubbles remain present on the bulb surface. The dip solution must be used no more than twice or as per manufacturer's recommendations. The chlorpyrifos dip may be incorporated in the hot water treatment.

OR

d) **Chemical treatment**: immersion in a dip(s) containing two active ingredients chosen from the table below, one belonging to the organophosphorous chemical group and the other from a different group, with agitation according to the prescribed conditions. The treatment time is normally 2 minutes but must be increased to 5 minutes if bubbles remain present on the bulb surface. The dip solution must be used no more than twice or as per manufacturer's recommendations.

Chemical group	Active ingredient	Time (min)	Condition
Organophosphorous	Diazinon (0.5 g per litre of dip)	2–5	…
	Pirimiphos-methyl (2.5-3.25 g per litre of dip)	2–5	Non-ionic surfactant required
Neonicotinoid	Thiacloprid/Imidacloprid (0.16 g per litre of dip)	2–5	Non-ionic surfactant required

Chemical group	Active ingredient	Time (min)	Condition
Phenylpyrazole	Fipronil (40 mg per litre of dip)	2–5	Non-ionic surfactant required

Mites

(1) One of the following four treatments is required:

a) **Methyl bromide fumigation**: fumigation for 2 hours at atmospheric pressure at one of the following combinations of rate (g/m^3) and temperature (°C):

Rate, g/m^3	Temperature, °C
48	10–15
40	16–20
32	21–27
28	28–32

OR

b) **Actellic room fumigation**: 10 cc Actellic/10 m^3 of room capacity for 12 hours at 20 °C or higher. The first treatment should take place within 14 days after harvesting. Repeat the treatment two more times within an interval of 4 weeks.

OR

c) **Hot water treatment**: immersion in hot water at a constant temperature of 24 °C for 2 hours, followed by immersion in hot water at a constant temperature of 45 °C for 3 hours (period required at the stated temperatures excluding warm-up times).

OR

d) **Chemical treatment**: immersion in a dip(s) with agitation, according to the following conditions.

i) The bulbs must be sprayed/dipped using either Abamectin or two active ingredients belonging to different chemical groups chosen from the table below.
ii) The treatment time is normally 2 minutes but must be increased to 5 minutes if bubbles remain present on the bulb surface.
iii) Dip solutions must be used no more than twice or as per manufacturer's recommendations.
iv) All treatments must be carried out in accordance with manufacturer's recommendations using either the recommended label rate or the rates shown in the table below.

Chemical group	Active ingredient	Dip time (min)	Condition
Avermectin	Abamectin (0.009 g per litre of dip/spray)	2–5	Non-ionic surfactant required for dipping
Organophosphorous	Acephate (0.75 g per litre of dip/spray)	2–5	Non-dormant material only
Organophosphorous	Chlorpyrifos (2.4 g per litre of dip/spray)	2–5	Non-ionic surfactant required for dipping
Organophosphorous	Dimethoate	2–5	Non-dormant material only

Chemical group	Active ingredient	Dip time (min)	Condition
Organophosphorous	Pirimiphos-methyl (0.475 g per litre of dip/spray)	2–5	Non-ionic surfactant required for dipping

Nematodes

(1) The following treatments are required:

a) **Methyl bromide fumigation or hot water treatment**:

i) Methyl bromide fumigation: fumigation for 2 hours at atmospheric pressure at one of the following combinations of rate (g/m^3) and temperature (°C):

Rate (g/m^3)	Temperature (°C)
48	10–15
40	16–20
32	21–27
28	28–32

OR

ii) Hot water treatment: immersion in hot water at a constant temperature of 24 °C for 2 hours, followed by immersion in hot water at a constant temperature of 45 °C for 4 hours (period required at the stated temperatures excluding warm-up times).

AND

b) **Chemical treatment**: immersion in fenamiphos (1 g a.i. per litre of dip) for 1 hour.

Fungi

(1) Both of the following treatments are required:

a) **Chemical treatment**: immersion in a dip containing one of the following active ingredients, with agitation according to the prescribed conditions. The dip solution must be used no more than twice or as per manufacturer's recommendations. All treatments must be carried out in accordance with manufacturer's recommendations using either the recommended label rate or the rates shown in the table below.

Active ingredient	Dip time	Condition
Bromo-chloro-dimethylhydantoin (8.1-16 g per litre of dip)	5 mins	…
Formaldehyde (0.4%)	2 hours	Dip at room temperature
Peroxyacetic acid (80 ppm)	5 mins	Dip at room temperature Wetting agent required
Sodium hypochlorite (10% a.i.), pH 6.5-7	5 mins	Dip at room temperature

AND

b) **Hot water treatment / chemical treatment OR chemical treatment**:

i) Hot water treatment / chemical treatment: immersion in hot water at a constant temperature of 24 °C for 2 hours, followed by immersion in hot water at a constant temperature of 45 °C for 3 hours (period required at the stated temperatures excluding warm-up times).

ii) Immersion in thiabendazole dip (1-1.3 g a.i. per litre of dip) containing a wetting agent for 15-30 minutes with agitation. The dip solution must be used no more than twice or as per manufacturer's recommendations. The thiabendazole dip may be incorporated in the hot water treatment.

OR

iii) Chemical treatment: immersion in a dip(s) containing two active ingredients belonging to different chemical groups chosen from the table below, with agitation according to the prescribed conditions. The dip solution must be used no more than twice or as per manufacturer's recommendations. All treatments must be carried out in accordance with manufacturer's recommendations using either the recommended label rate or the rates shown in the table below.

Chemical group	Active ingredient	Dip time (minutes)	Condition
Benzimidazole	Thiabendazole (1-1.3 g per litre of dip)	15–30	Dip at room temperature Wetting agent required
Benzimidazole	Thiophanate-methyl (0.75 g per litre of dip)	15–30	Dip at 27–29.5 °C
Dimethyldithio-carbamate	Thiram (11.2 g per litre of dip)	…	Dip at room temperature
Imidazole	Prochloraz (0.25 g per litre of dip)	15	Dip at room temperature
Strobilurin	Azoxystrobin (0.95 g per litre of dip)	15	Dip at room temperature

(2) If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the “Disinfestation and/or Disinfection Treatment” section of the phytosanitary certificate.

Appendix 5: Pest lists

Allium regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Curculionidae	
Brachycerus muricatus	weevil
Brachycerus undatus	weevil
Ceutorhynchus jakovlevi	onion weevil
Nitidulidae	
Carpophilus obsoletus	dried fruit beetle
Diptera	
Anthomyiidae	
Delia antiqua	onion maggot
Delia florilega	onion fly
Heleomyzidae	
Suillia lurida	garlic fly
Suillia univittata	-
Syrphidae	
Eumerus amoenus	onion bulb fly
Lepidoptera	
Cossidae	
Dyspessa ulula	garlic moth
Yponomeutidae	
Acrolepia alliella	-
Acrolepia sapporensis	allium leafminer
Acrolepiopsis assectella	leek moth
Thysanoptera	
Thripidae	
Thrips tabaci [vector]	onion thrips

Mite	
Arachnida	
Acarina	
Acaridae	
Rhizoglyphus setosus	bulb mite
Eriophyidae	
Aceria tulipae [vector]	wheat curl mite

Nematode	
Adenophorea	
Dorylaimida	
Longidoridae	

Paralongidorus maximus	-
Trichodoridae	
Paratrichodorus allius	stubby root nematode
Paratrichodorus minor [vector]	stubby root nematode
Paratrichodorus teres	stubby root nematode
Secernentea	
Tylenchida	
Aphelenchoididae	
Aphelenchoides besseyi	rice white-tip nematode
Aphelenchoides parietinus	-
Belonolaimidae	
Belonolaimus gracilis	sting nematode
Hoplolaimidae	
Helicotylenchus indicus	spiral nematode
Helicotylenchus microlobus	spiral nematode
Helicotylenchus multicinctus	spiral nematode
Hoplolaimus seinhorsti	lance nematode
Rotylenchulus reniformis	reniform nematode
Meloidogynidae	
Meloidogyne arenaria	peanut root knot nematode
Meloidogyne chitwoodi	root knot nematode
Tylenchidae	
Ditylenchus dipsaci [strains not in New Zealand]	stem and bulb nematode
Fungus	
Ascomycota	
Dothideales	
Mycosphaerellaceae	
Mycosphaerella allii-cepae (anamorph *Cladosporium allii-cepae*)	leaf blotch
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Basidiomycota: Teliomycetes	
Uredinales	
Melampsoraceae	
Melampsora allii-fragilis	rust
Pucciniaceae	
Puccinia asparagi	asparagus rust
Basidiomycota: Ustomycetes	
Ustilaginales	
Tilletiaceae	
Urocystis colchici	leaf smut
Oomycota	
Peronosporales	

Peronosporaceae	
Phytophthora capsici	fruit rot of peppers
Phytophthora palmivora	black rot
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Phyllosticta allii	leaf blight
Septoria viridi-tingens	-
Bacterium	
Enterobacteriaceae	
Erwinia chrysanthemi pv. *chrysanthemi*	bacterial soft rot
Pseudomonadaceae	
Burkholderia cepacia	sour skin
Pseudomonas xanthochlora	-
Xanthomonadaceae	
Xylella fastidiosa	Bacterial leaf scorch
Virus	
Garlic dwarf virus	-
Garlic mite-borne latent virus	-
Garlic virus X	-
Onion mite-borne latent virus	-
Shallot yellow stripe virus	-
Sint-Jan's onion latent virus	-
Tobacco rattle virus [strains not in New Zealand]	-
Phytoplasma	
Aster yellows phytoplasma	-
Garlic decline phytoplasma	-
Onion yellows phytoplasma	-

Fragaria regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Attelabidae	
Rhynchites germanicus	strawberry rhynchites
Bruchidae	
Zabrotes arenarius	strawberry weevil
Cantharidae	
Chauliognathus lugubris	soldier beetle
Carabidae	
Calathus fuscipes	ground beetle
Harpalus affinis	strawberry seed beetle
Harpalus rufipes	strawberry seed beetle
Nebria brevicollis	common black ground beetle
Pterostichus cupreus	strawberry ground beetle
Pterostichus madidus	strawberry ground beetle
Pterostichus melanarius	strawberry ground beetle
Chrysomelidae	
Altica caerulescens	leaf beetle
Chaetocnema concinna	leaf feeding beetle
Colaspis flavida	grape colaspis
Galeruca tanaceti	strawberry leaf beetle
Galerucella grisescens	strawberry leaf beetle
Galerucella tenella	strawberry leaf beetle
Haltica corrusca	fles beetle
Haltica pagana	flea beetle
Paria fragariae	strawberry rootworm
Systena frontalis	flea beetle
Curculionidae	
Anthonomus rubi	strawberry blossom weevil
Anthonomus signatus	strawberry bud weevil
Apirocalus spp.	weevils
Barypeithes pellucidus	strawberry weevil
Cleonus kirbyi	radish weevil
Conotrachelus nenuphar	plum weevil
Donus salviae	strawberry weevil
Dyslobus decoratus	decorated strawberry root weevil
Dyslobus ursinus	western strawberry root weevil
Dyslobus wilcoxi	Lacomb strawberry root weevil
Geoderces spp.	root weevil
Haplidia etrusca	root weevil
Hypera brunneipennis	Egyptian alfalfa weevil
Myllocerus undecimpustulatus	grey weevil

Nemocestes fragariae	strawberry root weevil
Nemocestes incomptus	woods weevil
Nemocestes longulus	strawberry root weevil
Nemocestes sordidus	strawberry root weevil
Orthorhinus aethops	weevil
Otiorhynchus armatus	strawberry root weevil
Otiorhynchus clavipes	red-legged weevil
Otiorhynchus cribricollis	cribrate weevil
Otiorhynchus meridionalis	strawberry root weevil
Otiorhynchus rotundatus	strawberry root weevil
Otiorhynchus rugifrons	strawberry root weevil
Otiorhynchus singularis	strawberry root weevil
Panscopus torpidus	root weevil
Peritelopsis globiventris	grey weevil
Plinthodes taeniatus	root weevil
Polydrusus cervinus	weevil
Polydrusus sericeus	green leaf weevil
Rhadinosomus lacordairei	thin strawberry weevil
Rhinaria perdix	strawberry weevil
Rhynchites germanicus	strawberry rhynchites
Sciaphilus asperatus	strawberry root weevil
Sciopithes obscurus	obscure root weevil
Sitona hispidulus	root weevil
Strophomorphus porcellus	weevil
Thricolepis inornata	root weevil
Trigonoscuta pilosa	root weevil
Tyloderma fragariae	strawberry crown borer
Elateridae	
Agriotes spp. (species not in New Zealand)	click beetles
Nitidulidae	
Carpophilus fumatus	sap beetle
Glischrochilus hortensis	sap beetle
Lobiopa insularis	strawberry borer
Stelidota spp.	sap beetles
Stelidota geminata	strawberry sap beetle
Scarabaeidae	
Anoplognathus porosus	Christmas beetle
Cetonia spp.	chafers
Cyclocephala borealis	northern masked chafer
Hoplia spp.	white grubs
Lepidiota frenchi	French's cane grub
Melolontha melolontha	cockchafer
Metanastes vulgivagus	black beetle
Phyllopertha horticola	garden chafer
Phyllophaga decimlineata	ten-lined June beetle

Phyllophaga perversa	western ten-lined June beetle
Popillia japonica	Japanese beetle
Repsimus aeneus	white grub
Rhopaea magnicornis	large pasture scarab
Serica spp.	white grubs
Sericesthis geminata	priunose scarab
Sericesthis nigrolineata	dusky pasture scarab
Scolytidae	
Poecilips cardamomi	bark beetle
Silphidae	
Heterosilpha aenescens	carrion beetle
Collembola	
Sminthuridae	
Bourletiella arvalis dorsobscura	garden springtail
Sminthurus multidentatus	garden springtail
Diptera	
Agromyzidae	
Agromyza fragariae	strawberry leafminer
Agromyza spiraeae	rose leafminer
Tipulidae	
Tipula spp	leatherjackets
Hemiptera	
Anthocoridae	
Orius laevigatus	plant bug
Lygaeidae	
Euander lacertosus	lygaeid bug
Nysius clevelandensis	grey cluster bug
Nysius spp.	bugs
Nysius vinitor	Rutherglen bug
Miridae	
Calocoris hobartensis	capsid
Lygocoris pabulinus	common green capsid
Lygus elisus	pale legume bug
Lygus hesperus	tarnished plant bug
Lygus lineolaris	tarnished plant bug
Lygus rugulipennis	tarnished plant bug
Plagiognathus arbustorum	stink bug
Plagiognathus chrysanthemi	stink bug
Scolopostethus spp.	plant bugs
Pentatomidae	
Acrosternum hilare	green stink bug
Dolycoris baccarum	stink bug
Pyrrhocoridae	
Dindymus versicolor	harlequin bug
Homoptera	

Aleyrodidae	
Aleyrodes lonicerae	strawberry whitefly
Trialeurodes fernaldi	whitefly
Trialeurodes packardi	strawberry whitefly
Trialeurodes ruborum	whitefly
Aphididae	
Acyrthosiphon malvae rogersii	strawberry aphid
Amphorophora agathonica	strawberry aphid
Aphis fabae	bean aphid
Aphis forbesi	strawberry root aphid
Aphis gossypii [vector]	cotton aphid
Aphis rubifolii	raspberry aphid
Aulacorthum solani [vector]	foxglove aphid
Chaetosiphon jacobi	strawberry aphid
Chaetosiphon minus	lesser strawberry aphid
Chaetosiphon tetrarhodum [vector]	strawberry aphid
Chaetosiphon thomasi	strawberry aphid
Fimbriaphis fimbriata	rose aphid
Fimbriaphis wakibae	rose aphid
Macrosiphum pelargonii	rose aphid
Macrosiphum rosae [vector]	rose aphid
Myzaphis rosarum [vector]	lesser rose aphid
Myzus ascalonicus [vector]	shallot aphid
Myzus ornatus [vector]	ornate aphid
Myzus persicae [vector]	green peach aphid
Rhodobium porosum	aphid
Aphrophoridae	
Aphrophora alni	spittlebug
Aphrophora permutata	rhubarb spittlebug
Cercopidae	
Cercopis vulnerata	red and black froghopper
Emelyanoviana mollicula	spittlebug
Evacanthus interruptus	spittlebug
Philaenus leucophthalmus	spittlebug
Cicadellidae	
Aphrodes bicinctus	strawberry leafhopper
Apogonalia grossa	leafhopper
Coelidia olitoria	leafhopper
Edwardsiana spp.	leafhoppers
Empoasca fabae	potato leafhopper
Erythroneura elegantula	western grape leafhopper
Euscelis spp.	leafhoppers
Macrosteles spp.	leafhoppers
Scaphytopius acutus	leafhopper
Zygina schneideri	leafhopper

Pseudococcidae	
Chorizococcus arecae	mealybug
Dysmicoccus brevipes	pineapple mealybug
Planococcus citri	citrus mealybug
Rhizoecus kondonis	Kondo mealybug
Hymenoptera	
Tenthredinidae	
Allantus calceatus	sawfly
Allantus cinctus	curled rose sawfly
Cladius pectinicornis	antler sawfly
Lepidoptera	
Gelechiidae	
Aristotelia fragariae	strawberry crown miner
Compsolechia fragariella	western strawberry leafroller
Geometridae	
Ascotis selenaria	mugwort looper
Hepialidae	
Hepialus lupulinus	swift moth
Noctuidae	
Agrotis spp. (species not in New Zealand)	cutworms
Agrotis munda	brown cutworm
Agrotis segetum	turnip moth
Amphipoea interoceanica	strawberry cutworm
Helicoverpa punctigera	oriental tobacco budworm
Helicoverpa zea	bollworm
Hydraecia interoceanica	noctuid moth
Noctua pronuba	large yellow underwing
Orthosia hibisci	speckled green fruitworm
Peridroma saucia	pearly underwing moth
Phlogophora meticulosa	angleshades moth
Spodoptera exigua	lesser armyworm
Spodoptera sunia	cluster caterpillar
Xestia c-nigrum	spotted cutworm
Psychidae	
Hyalarcta huebneri	leaf case moth
Pyralidae	
Loxostege spp.	pyralid moths
Udea rubigalis	celery leaftier
Sesiidae	
Synanthedon bibionipennis	strawberry crown moth
Tortricidae	
Acleris comariana	strawberry tortrix moth
Ancylis comptana	strawberry leafroller
Ancylis fragariae	strawberry leafroller
Argyrotaenia citrana	orange tortrix

Cacoecimorpha pronubana	carnation leafroller
Choristoneura lafauryana	strawberry leafroller
Choristoneura rosaceana	oblique-banded leafroller
Claremontia confusa	leafroller
Clepsis busckana	cyclamen leafroller
Clepsis spectrana	straw coloured tortrix
Cnephasia asseclana	leafroller
Cnephasia longana	omnivorous leaftier
Cnephasia stephensiana	leaftier
Compsolechia fragariella	western strawberry leafroller
Cryptoptila immersana	ivy leafroller
Epiphyas spp.	leafrollers
Lozotaenia forsterana	leafroller
Olethreutes lacunana	fruit tree tortrix
Olethreutes olivaceana	fruit tree tortrix
Pandemis dumetana	fruit tree tortrix
Platynota stultana	omnivorous leafroller
Ptycholoma peritana	garden tortrix
Sparganothis sulfureana	blueberry leafroller
Orthoptera	
Acrididae	
Phaulacridium vittatum	wingless grasshopper
Gryllotalpidae	
Gryllotalpa africana	African mole cricket
Gryllotalpa gryllotalpa	mole cricket
Scapteriscus acletus	southern mole cricket
Scapteriscus vicinus	tawny mole cricket
Pyrgomorphidae	
Atractomorpha crenaticeps	grasshopper
Thysanoptera	
Thripidae	
Scirtothrips dorsalis	chilli thrips
Scolothrips sexmaculatus	
Thrips atratus	carnation thrips
Thrips major	rose thrips

Mites	
Arachnida	
Acarina	
Diptilomiopidae	
Diptacus fragarifoliae	false spider mite
Tetranychidae	
Tetranychus kanzawai	kanzawaii mite
Tetranychus lobustus	strawberry spider mite
Tetranychus neocaledonicus	Mexican spider mite

Tetranychus pacificus	Pacific spider mite

Nematodes

Adenophorea	
Dorylaimida	
Longidoridae	
Longidorus elongatus [vector]	-
Longidorus sylphus	needle nematode
Paralongidorus maximus	needle nematode
Xiphinema americanum [Vector]	dagger nematode
Xiphinema chambersi	dagger nematode
Xiphinema diversicaudatum [vector]	dagger nematode
Secernentea	
Tylenchida	
Aphelenchoididae	
Aphelenchoides besseyi	rice white-tip nematode
Belonolaimidae	
Belonolaimus gracilis	sting nematode
Criconematidae	
Criconemoides curvatum	ring nematode
Criconemoides lobatum	ring nematode
Dolichodoridae	
Tylenchorhynchus claytoni	tobacco stunt nematode
Heteroderidae	
Heterodera spp.	cyst nematode
Hoplolaimidae	
Hoplolaimus spp.	crown-headed lance nematode
Helicotylenchus microlobus	spiral nematode
Rotylenchulus buxophilus	reniform nematode
Rotylenchulus goodeyi	reniform nematode
Scutellonema brachyurus	spiral nematode
Paratylenchidae	
Paratylenchus macrophallus	pin nematode
Pratylenchidae	
Pratylenchus brachyurus	root lesion nematode
Pratylenchus coffeae	coffee root lesion nematode
Pratylenchus loosi	root lesion nematode
Pratylenchus scribneri	Scribner's root lesion nematode
Pratylenchus zeae	corn root lesion nematode
Radopholus similis	burrowing nematode

Myriapod

Diplopoda

Polydesmida

Xystodesmidae

Pleuroloma flavipes	millipede

Molluscs

Gastropoda	
Stylommatophora	
Helicidae	
Trichia striolata	strawberry snail

Fungi

Ascomycota	
Dothideales	
Mycosphaerellaceae	
Mycosphaerella louisianae	purple leaf spot
Eurotiales	
Trichocomaceae	
Byssochlamys fulva	byssochlamys rot
Hypocreales	
Hypocreaceae	
Schizoparme straminea (anamorph *Coniella castaneicola*)	schizoparme fruit rot
Leotiales	
Leotiaceae	
Discohainesia oenotherae (anamorph *Hainesia lythri*)	leaf spot
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria bulbosa	armillaria root rot
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Armillaria tabescens	armillaria root rot
Ceratobasidiales	
Ceratobasidiaceae	
Ceratobasidium anceps (anamorph *Sclerotium deciduum*)	leaf rot
Rhizoctonia fragariae	black root rot
Chytridiomycota	
Chytridiales	
Olpidiaceae	
Olpidium brassicae [vector]	Black root
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniaceae	
Phragmidium mexicana	
Phragmidium potentiallae	leaf rust
Chytridiomycota	
Chytridiales	
Synchytriaceae	

Synchytrium fragariae	root gall
Mitosporic Fungi (Agonomycetes)	
Agonomycetales	
Unknown Agonomycetales	
Rhizoctonia fragariae	fruit and root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Leptostromataceae	
Kabatia fragariae	leaf spot
Sphaerioidaceae	
Coniella fragariae	flower spot
Phyllosticta fragaricola	phyllosticta leaf spot
Rhabdospora fragariae	leaf spot
Septoria fragariae	septoria spot
Septoria fragariaecola	septoria spot
Stagonospora fragariae	stagonospora
Unknown Coelomycetes	
Unknown Coelomycetes	
Colletotrichum spp. (species not in New Zealand)	
Glomerella cingulata (anamorph Colletotrichum gloeosporioides)	strawberry anthracnose
Marssonina canadensis	leaf scorch
Marssonina pakistanica	leaf scorch
Marssonina potentillae	leaf scorch
Pestalotia longisetula	leaf spot
Pilidiella quercola	schizoparme fruit rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
Cercospora fragariae	leaf spot
Cercospora vexans	cercospora leaf spot
Idriella lunata	root rot
Moniliaceae	
Ramularia fragariae	ramularia leaf spot
Verticillium albo-atrum [severe strain]	progressive wilt
Tuberculariales	
Tuberculariaceae	
Fusarium oxysporum f. sp. *fragariae*	stub wilt
Oomycota	
Peronosporales	
Peronosporaceae	
Peronospora fragariae	downy mildew
Phytophthora capsici	fruit rot of peppers
Pythiales	
Pythiaceae	

Pythium debaryanum	root rot
Pythium dissotocum	root rot
Pythium hypogynum	root rot
Pythium perniciosum	root and stem rot
Pythium sylvaticum	root rot
Zygomycota: Zygomycetes	
Mucorales	
Mucoraceae	
Mucor recurvus	mucor rot
Rhizopus spp.	

Bacteria

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Erwinia pyrifoliae	
Ralstonia solanacearum (Race 2)	moko disease
Strawberry marginal chlorosis ["*Candidatus* phlomobacter fragariae"]	
Strawberry rickettsia yellows	
Xanthomonas arboricola pv. fragariae	bacterial leaf blight
Xanthomonas fragariae	angular leaf spot
Xylella fastidiosa	Pierce's disease

Viruses

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Fragaria chiloensis latent virus [strains not in New Zealand]	-
Raspberry ringspot virus [strains not in New Zealand]	-
Strawberry chlorotic fleck virus	-
Strawberry latent ringspot virus [strains not in New Zealand*]*	
Strawberry mild yellow edge-associated virus	-
Strawberry pallidosis associated virus	-
Strawberry pseudo mild yellow edge virus	-
Strawberry vein banding virus	-
Tobacco necrosis virus [strains not in New Zealand]	-
Tobacco streak virus [strains not in New Zealand]	
Tomato bushy stunt virus	-
Tomato ringspot virus	-

Phytoplasmas

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Aster yellows phytoplasma -
Clover phyllody phytoplasma -
Clover proliferation phytoplasma -
Clover yellow edge phytoplasma -
“stolbur” phytoplasma -
STRAWB1 phytoplasma -
STRAWB2 phytoplasma
Strawberry green petal phytoplasma -
Strawberry leafy fruit phytoplasma
Strawberry multicipita phytoplasma
Strawberry multiplier phytoplasma -
Strawberry phylloid fruit phytoplasma
Strawberry yellows phytoplasma

Diseases of unknown aetiology

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Strawberry lethal decline disease

Hippeastrum regulated pests (actionable)

Nematode	
Secernentea	
Tylenchida	
Pratylenchidae	
Pratylenchus coffeae	coffee root lesion nematode
Pratylenchus scribneri	Scribner's root lesion nematode
Fungus	
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot

Iris regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Scarabaeidae	
Popillia japonica	Japanese beetle
Homoptera	
Pseudococcidae	
Aleyrodes spiraeoides [whole plants only]	-
Pseudococcidae	
Phenacoccus avenae	-
Phenacoccus emansor	-
Pseudococcus jackbeardsleyi [whole plants only]	Jack Beardsley mealybug
Rhizoecus palestineae	root mealybug
Lepidoptera	
Hepialidae	
Hepialus humuli	ghost swift moth
Hepialus lupulinus	swift moth
Noctuidae	
Hydraecia micacea	potato stem borer
Macronoctua onusta	iris borer
Thysanoptera	
Thripidae	
Frankliniella iridis	iris thrips
Nematode	
Secernentea	
Tylenchida	
Criconematidae	
Hemicycliophora typica	sheath nematode
Dolichodoridae	
Tylenchorhynchus gaudialis	-
Hoplolaimidae	
Rotylenchus goodeyi	spiral nematode
Meloidogynidae	
Meloidogyne arenaria	peanut root knot nematode
Meloidogyne ichinohei	-
Fungus	
Ascomycota	
Dothideales	
Leptosphaeriaceae	
Trematosphaeria heterospora	--
Leotiales	
Sclerotiniaceae	
Botryotinia convoluta (anamorph *Botrytis convallariae*)	stem rot
Botryotinia polyblastis (anamorph *Botrytis polyblastis*)	fire disease
Sclerotinia bulborum	black slime
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Lachnocladiales	
Lachnocladiaceae	
Scytinostroma eurasiaticogalactinum	white root rot
Phallales	
Hysterangiaceae	
Hysterangium boudieri	--
mitosporic fungi (Agonomycetes)	
Agonomycetales	

unknown Agonomycetales	
Rhizoctonia tuliparum	basal rot
Sclerotium rolfsii var. *delphinii*	sclerotium rot
Bacterium	
Pseudomonadaceae	
Burkholderia gladioli pv. *gladioli*	bacterial rot
Virus	
Broad bean wilt virus	-
Iris fulva mosaic virus	-
Iris germanica leaf stripe virus	-
Japanese iris necrotic ring virus	-
Tobacco rattle virus [strains not in New Zealand]	-

Lilium regulated pests (actionable)

Insect	
Insecta	
Collembola	
Entomobryidae	
Entomobrya multifasciata	Springtail
Lepidoptera	
Yponomeutidae	
Acrolepiopsis lilivora	-
Mite	
Arachnida	
Acarina	
Acaridae	
Schwiebea cuncta	-
Schwiebea taiwanensis	-
Tenuipalpidae	
Brevipalpus lilium	false spider mite
Nematode	
Adenophorea	
Dorylaimida	
Longidoridae	
Xiphinema insigne	dagger nematode
Trichodoridae	
Paratrichodorus spp. (except *P. lobatus*, *P. minor*, *P. pachydermus*, *P. porosus*)	-
Trichodorus spp. (except *T. christiei*, *T. cottieri*, *T. porosus*, *T. primitivus*)	-
Secernentea	
Tylenchida	
Meloidogynidae	
Meloidogyne spp. (except *M. ardenensis*, *M. hapla*, *M. incognita*, *M. javanica*, *M. naasi*)	-
Pratylenchidae	
Pratylenchus brachyurus	root lesion nematode
Fungus	
Ascomycota	
Dothideales	
Mycosphaerellaceae	
Didymellina intermedia	black rot
Mycosphaerella martagonis	black blotch
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Auriculariales	
Auriculariaceae	
Helicobasidium mompa	violet root rot
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniaceae	
Puccinia sporoboli (anamorph *Aecidium lilii*)	Rust
Uromyces aecidiiformis	rust fungi
Uromyces holwayi	-
mitosporic fungi (Agonomycetes)	
Agonomycetales	
unknown Agonomycetales	
Rhizoctonia tuliparum	basal rot

Sclerotium rolfsii var. *delphinii*	sclerotium rot
Sclerotium wakkeri	Blackleg
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Macrophoma lilii	black root rot
Phyllosticta liliicola	black rot
unknown Coelomycetes	
unknown Coelomycetes	
Colletotrichum lilii	-
mitosporic fungi (Hyphomycetes)	
Hyphomycetales	
Moniliaceae	
Botrytis hyacinthi	hyacinth blight
Ramularia vallisumbrosae	white mould
Oomycota	
Peronosporales	
Peronosporaceae	
Phytophthora capsici	Fruit rot of peppers
Tubercularіales	
Tuberculariaceae	
Fusarium oxysporum f. sp. *lilii*	basal rot
unknown Hyphomycetes	
unknown Hyphomycetes	
Aureobasidium microstictum	-
Bacterium	
Enterobacteriaceae	
Erwinia lilii	-
Virus	
Apple stem grooving virus [strains not in New Zealand]	-
Lily rosette virus	-
Tobacco rattle virus [strains not in New Zealand]	-
Tomato ringspot virus	-
Phytoplasmas	
Phytoplasma 16SrI – aster yellows	-
"Candidatus Phytoplasma mali"	-
"Candidatus Phytoplasma solani"	

Malus regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Attelabidae	
Rhynchites caeruleus	apple twig cutter
Bostrichidae	
Amphicerus bicaudatus	apple twig borer
Apate monachus	black borer
Buprestidae	
Agrilus mali	apple wood borer
Agrilus spp.	bark borers
Chrysobothris femorata	flatheaded apple tree borer
Chrysobothris mali	Pacific flatheaded borer
Chrysobothris spp.	flat-headed borers
Sphenoptera lafertei	flatheaded peach tree borer
Cerambycidae	
Aeolesthes sarta	Quetta borer
Apriona germarii	mulberry longicorn beetle
Apriona japonica	mulberry borer
Bacchisa fortunei	pear borer
Batocera rufomaculata	red-spotted longhorn beetle
Phryneta spinator	
Curculionidae	
Anthonomus piri	apple bud weevil
Eremnus atratus	black weevil
Eremnus cerealis	western province grain worm
Eremnus setulosus	grey weevil
Scolytidae	
Hypothenemus obscurus	apple twig borer
Scolytus japonicus	Japanese bark beetle
Scolytus rugulosus	fruit bark borer
Diptera	
Cecidomyiidae	
Resseliella oculiperda	red bud borer
Thomasiniana oculiperda	red bud borer
Hormptera	
Aphididae	
Aphis spiraecola	spiraea aphid
Diaspididae	
Chrysomphalus aonidum	Florida red scale
Chrysomphalus dictyospermi	Spanish red scale
Diaspidiotus africanus	grey scale
Lepidoptera	
Cossidae	
Coryphodema tristis	quince trunk borer
Gelechiidae	
Recurvaria syrictis	bud moth
Gracillariidae	
Marmara elotella	apple barkminer
Marmara pomonella	apple fruitminer
Oecophoridae	
Cryptophasa melanostigma	fruit tree borer
Pyralidae	
Euzophera semifuneralis	American plum borer
Ostrinia nubilalis	European corn borer
Sesiidae	
Thamnosphecia pyri	apple bark borer
Synanthedon scitula	pecan tree borer
Mite	

Arachnida	
Acarina	
Eriophyidae	
Aculops malus	eriophyid mite
Eriophyes mali	Willamette spider mite
Phyllocoptes mali	eriophyid mite
Cenopalpus chitraliensis	bryobia mite
Cenopalpus haqii	banana mite
Cenopalpus orakiensis	Bailey's apple rust mite
Cenopalpus pulcher	flat scarlet mite
Tenuipalpidae	
Brevipalpus lilium	false spider mite
Brevipalpus obovatus	privet mite
Tenuipalpus taonicus	Pacific mite
Rhinotergum schestovici	mite
Tetranychidae	
Eotetranychus carpini	false spider mite
Eotetranychus uncatus	Lewis spider mite
Eotetranychus willamettei	hazel mite
Oligonychus gossypii	tetranychid mite
Oligonychus newcomeri	spider mite
Oligonychus yothersi	avocado red mite
Tetranychus canadensis	four spotted spider mite
Tetranychus kanzawai	Kanzawa spider mite
Tetranychus mcdanieli	McDaniel spider mite
Tetranychus schoenei	Schoenei spider mite
Amphitetranychus viennensis	hawthorn spider mite
Tydeidae	
Tydeus spp.	tydeid mites
Fungus	
Ascomycota: Ascomycetes	
Diaporthales	
Valsaceae	
Diaporthe tanakae (anamorph Phomopsis tanakae)	pear canker
Leucostoma auerswaldii	leucostoma canker
Diatrypales	
Diatrypaceae	
Eutypella sorbi	stem disease
Dothideales	
Mycosphaerellaceae	
Mycosphaerella pyri (anamorph Septoria pyricola)	leaf fleck of pear
Mycosphaerella tulasnei	rot
Schizothyriaceae	
Schizothyrium perexiguum	greasy blotch
Erysiphales	
Erysiphaceae	
Pleochaeta mali	powdery mildew
Heotiales	
Dermateaceae	
Diplocarpon mali	black spot
Pezicula perennans	perennial canker
Sclerotiniaceae	
Grovesinia pyramidalis (anamorph Cristulariella moricola)	target spot
Monilinia laxa f. sp. *mali*	brown rot
Monilinia mali	monilinia leaf blight
Monilinia fructigena (anamorph Monilia fructigena)	European brown rot
Sclerotinia spp.	neck rot
Rhytismatales	
Cryptomycetaceae	
Potebniamyces pyri (anamorph *Phacidiopycnis piri*)	Phacidiopycnis rot
Sordariales	

Chaetomiaceae	
Chaetomium spp.	fruit rot
Taphrinales	
Taphrinaceae	
Taphrina bullata	leaf blister
Xylariales	
Xylariaceae	
Biscogniauxia marginata	nailhead canker
Daldinia vernicosa	wood rot
Xylaria mali	black root rot
Ascomycota: Saccharomycetes	
Saccharomycetales	
Endomycetaceae	
Endomycopsis mali	rot
Basidiomycota: Basidiomycetes	
Agaricales	
Coprinaceae	
Coprinus psychromorbidus	coprinus rot
Tricholomataceae	
Armillaria mellea	armillaria root rot
Armillaria ostoyae	armillaria root rot
Armillaria tabescens	armillaria root rot
Ceratobasidiales	
Ceratobasidiaceae	
Ceratobasidium stevensii	thread blight
Ganodermatales	
Ganodermataceae	
Ganoderma lucidum	wood rot
Hymenochaetales	
Hymenochaetaceae	
Phellinus pomaceus	white heart rot
Lachnocladiales	
Lachnocladiaceae	
Scytinostroma galactinum	white root rot
Polyporales	
Corticiaceae	
Corticium koleroga	thread blight
Cyphellaceae	
Maireina marginata	wood decay
Meripilaceae	
Phlebia radiata	wood decay
Trametes ochracea	wood decay
Poriales	
Coriolaceae	
Ceriporia spissa	wood rot
Coriolopsis gallica	white rot
Fomes fomentarius	wood decay
Fomitopsis pinicola	brown cubical rot
Laetiporus sulphureus (anamorph *Sporotrichum versisporum*)	brown cubical rot
Lenzites betulina	wood decay
Oxyporus latemarginatus	wood decay
Oxyporus similis	wood decay
Stereales	
Atheliaceae	
Butlerelfia eustacei	storage rot
Sistotremataceae	
Phymatotrichopsis omnivorum	Texas root rot
Basidiomycota: Urediniomycetes	
Uredinales	
Pucciniaceae	
Gymnosporangium clavipes	quince rust

Gymnosporangium cornutum	rust
Gymnosporangium fuscum	European pear rust
Gymnosporangium globosum	American hawthorn rust
Gymnosporangium hemisphaericum	rust
Gymnosporangium libocedri	Pacific Coast pear rust
Gymnosporangium nelsonii	Rocky Mountain pear rust
Gymnosporangium nidus-avis	rust
Gymnosporangium nootkatense	yellow cypress rust
Gymnosporangium shiraianum	rust
Gymnosporangium spp.	cedar apple rust
Gymnosporangium tremelloides	common juniper gall rust
Gymnosporangium yamadae	Japanese apple rust
Gymnosporangium juniperi-virginianae	cedar apple rust
Unknown Uredinales	
Roestelia fenzeliana	rust
Roestelia levis	rust
Basidiomycota: Ustomycetes	
Platygloeales	
Platygloeaceae	
Helicobasidium mompa	violet root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Cytospora schulzeri	bark disease
Dothiorella mali	fruit rot
Phomopsis truncicola	blight
Phyllosticta solitaria	apple blotch
Phyllosticta spp.	leaf spot
Pyrenochaeta mali	fruit rot
Sphaeropsis pyriputrescens	Sphaeropsis rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
Alternaria mali	alternaria blotch
Alternaria spp.	
Helminthosporium papulosum	black pox
Cladosporium spp.	mouldy core
Epicoccum spp.	mouldy core
Stemphylium spp.	
Ulocladium spp.	cladosporium rot
Moniliaceae	
Aspergillus spp.	coloured moulds
Botrytis mali	fruit rot
Cephalosporium carpogenum	fruit rot
Cephalosporium spp.	
Penicillium spp.	rot
Ramularia macrospora	bellflower leaf spot
Verticillium spp.	verticillium wilt
Tuberculariales	
Tuberculariaceae	
Fusarium spp.	
Unknown Hyphomycetes	
-	
Oidium spp.	powdery mildew
Oomycota: Oomycete	
Peronosporales	
Peronosporaceae	
Phytophthora capsici	fruit rot of peppers
Phytophthora palmivora	black rot
Bacterium	
Schizomycetes	

	Pseudomonadales	
	Pseudomonadaceae	
	Pseudomonas syringae pv. *papulans*	blister spot
Virus		
	Cherry rasp leaf virus	
+	*Tomato bushy stunt virus*	
	Tomato ringspot virus	
Viroid		
	Apple dimple fruit viroid	
	Apple fruit crinkle viroid	
	Apple scar skin viroid	
Phytoplasma		
	"Candidatus Phytoplasma asteris"	Apple sessile leaf phytoplasma
	"Candidatus Phytoplasma mali"	Apple proliferation phytoplasma
Disease of unknown aetiology		
	Apple brown ringspot agent	
	Apple bumpy fruit agent	
	Apple bunchy top agent	
	Apple dead spur agent	
	Apple decline	
	Apple freckle scurf agent	
	Apple green dimple and ring blotch agent	
	Apple junction necrotic pitting agent	
	Apple McIntosh depression agent	
	Apple narrow leaf agent	
	Apple Newton wrinkle agent	
	Apple pustule canker agent	
	Apple red ring agent	
	Apple rosette agent	
	Apple rough skin agent	
	Apple russet wart agent	
	Apple star crack agent	
	Apple transmissible internal bark necrosis agent	

Miscanthus × giganteus regulated pests (actionable)

Bacteria

Acidovorax avenae ssp. *avenae*	Bacterial leaf blight
Leifsonia xyli subsp. *Xyli*	Sugarcane ratoon stunting disease
Xylella fastidiosa	Bacterial leaf scorch

Fungi

Acremonium sp.	Black bundle disease
Colletotrichum sp.	Leaf spot
Diaporthe sp.	Canker
Diplodia sp.	Blight
Drechslera gigantean	Eyespot
Fusarium miscanthi	Rot
Fusarium pallidoroseum	Rot
Glomerella sp.	Leaf spot
Glomerella tucumanensis	Leaf spot
Helminthosporium sp.	Eyespot
Leptosphaeria sp.	Canker
Magnaporthe salvinii	Stem rot
Mycosphaerella recutita	Leaf blight
Mycosphaerella striatiformans	Leaf spot
Nigrospora sp.	Stalk rot
Passalora koepkei	Yellow spot
Peronosclerospora sp.	Downy mildew
Phlyctema sp.	Canker
Phoma sp.	Blight
Phomopsis sp.	Blight
Phyllachora sp.	Leaf spot
Puccinia melanocephala	Sugarcane rust
Ramularia sp.	Anthracnose
Rhizoctonia sp.	Root rot
Stagonospora sp.	Scorch
Thanatephorus cucumeris	Blight
Ustilago scitaminea	Sugarcane smut
Verticillium sp.	Verticillium wilt

Mites

Schizotetranychus celarius	Bamboo mite

Viruses

Miscanthus streak virus
Sugarcane mosaic virus

Nephelium lappaceum regulated pests (actionable)

Fungi

Corticium koleroga	Thread blight fungus
Dolabra nephelii	
Erysiphe quercicola	Powdery mildew of rambutan
Helicobasidium mompa	Violet root rot
Lasiodiplodia hormozganensis	
Lasiodiplodia iraniensis	
Lasiodiplodia pseudotheobromae	
Pestalotiopsis cruenta	
Pestalotiopsis mangiferae	
Pestalotiopsis virgatula	
Phellinus noxius	Brown root rot fungus
Rigidoporus microporus	White root rot fungus

Oomycetes

Phytophthora botryosa

Olea regulated pests (actionable)

Insect	
Insecta	
Coccidae	
Saissetia privigna	black scale
Coleoptera	
Attelabidae	
Rhynchites cribripennis	twig cutter
Buprestidae	
Anthaxia ariadna	wood-boring beetle
Scolytidae	
Hylesinus fraxini	bark beetle
Hylesinus oleiperda	bark beetle
Hylesinus toranio	bark beetle
Phloeotribus oleae	bark beetle
Phloeotribus scarabaeiodes	bark beetle
Xylosandrus compactus	black twig borer
Diptera	
Cecidomyiidae	
Thomasiniana sp.	olive bark midge
Asterolecaniidae	
Pollinia pollini	globe shaped olive scale
Coccidae	
Ceroplastes rusci	fig wax scale
Lichtensia viburni	scale
Metaceronema japonica	scale insect
Diaspididae	
Aonidomytilus espinosai	scale
Hemiberlesia palmae	palm scale
Leucaspis riccae	scale
Lindingaspis ferrisi	scale
Parlatoria oleae	olive scale
Pseudaulacaspis pentagona	white peach scale
Selenaspidus articulatus	West Indian red scale
Lepidoptera	
Pyralidae	
Euzophera pinguis	bark borer
Mite	
Arachnida	
Acarina	
Eriophyidae	
Aceria cretica	mite
Aceria oleae	olive mite
Aculops benakii	olive yellow spot mite
Aculus olearius	olive mite
Ditrymacus athiasellus	olive mite
Eriophyes oleae	olive bud mite
Eriophyes olivi	olive mite
Oxycenus maxwelli	olive leaf and flower mite
Oxycenus niloticus	olive leaf and flower mite
Oxycenus noloticus	olive leaf and flower mite
Tegonotus hassani	olive rust mite
Tenuipalpidae	
Brevipalpus chalkidicus	false spider mite
Brevipalpus macedonicus	false spider mite
Brevipalpus oleae	false spider mite
Brevipalpus olearius	false spider mite
Brevipalpus olivicola	false spider mite
Raoiella macfarlanei	false spider mite

Tenuipalpus caudatus	false spider mite
Tetranychidae	
Eotetranychus lewisi	big beaked plum mite
Fungus	
Ascomycota	
Dothideales	
Capnodiaceae	
Capnodium elaeophilum	sooty mould
Elsinoaceae	
Elsinoe oleae	olive scab
Unknown Dothideales	
Massariella oleae	bark canker
Massariella zambettakiana	canker
Zukalia purpurea	black mildew
Xylariales	
Xylariaceae	
Xylaria sicula	root rot
Basidiomycota	
Agaricales	
Agaricaceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Boletales	
Paxillaceae	
Omphalotus olearius	wood rot
Ganodermatales	
Ganodermataceae	
Ganoderma lucidum (anamorph *Polyporus lucidus*)	wood rot
Hymenochaetales	
Hymenochaetaceae	
Phellinus igniarius	wood rot
Oomycota	
Peronosporales	
Peronosporaceae	
Phytophthora palmivora	Coconut budrot
Phytophthora ramorum	Sudden oak death disease
Poriales	
Coriolaceae	
Fomes fomentarius	
Fomes fulvus	
Fomes salicinus	
Fomes torulosus	wood rot
Fomes yucatonensis	wood rot
Polyporaceae	
Polyporus biennis	wood rot
Polyporus oleae	wood rot
Stereales	
Sistotremataceae	
Trechispora brinkmanii (anamorph *Phymatotrichopsis omnivorum*)	Texas root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Camarosporium dalmatica	brown spot
Cytospora oleina	canker
Macrophoma dalmatica	fruit rot
Phoma incompta	stem blight
Phyllosticta oleae	phyllosticta leaf spot
Septoria obesa	leaf spot
Septoria oleae	leaf spot
Septoria oleagina	leaf spot
Septoria serpentaria	leaf spot

Sphaeropsis dalmatica	stem gall
Sphaeropsis oleae	stem gall
Unknown Coelomycetes	
Unknown Coelomycetes	
Cylindrosporium olivae	leaf spot
Bacterium	
Pseudomonadaceae	
Pseudomonas syringae pv. *garcae*	twig blight
Xylella fastidiosa	
Virus	
Cherry leaf roll virus [strains not in New Zealand]	-
Olive latent 1 virus	-
Olive latent 2 virus	-
Olive latent ringspot virus	-
Olive leaf yellowing-associated virus	-
Strawberry latent ringspot virus [strains not in New Zealand]	-
Phytoplasma	
Olive witches' broom phytoplasma	-
Disease of unknown aetiology	
Infectious yellows	-
Leaf malformation	-
Olive sickle leaf disease	-
Olive yellow mosaic disease	-
Olive yellow mottling and decline	-
Partial paralysis	-

Rubus regulated pests (actionable)

Insects
Insecta
Coleoptera
Attelabidae

Rhynchites germanicus	strawberry rhynchites

Buprestidae

Agrilus aurichalceus	raspberry buprestid
Agrilus rubicola	raspberry buprestid
Agrilus ruficollis	red-necked cane borer

Byturidae

Byturus ochraceus	raspberry beetle
Byturus rubi	eastern raspberry fruitworm
Byturus tomentosus	raspberry beetle
Byturus unicolor	raspberry fruitworm
Byturus urbanus	raspberry beetle

Cerambycidae

Coreus marginatus	longhorn beetle
Oberea bimaculata	raspberry caneborer

Chrysomelidae

Batophila aerata	raspberry flea beetle
Batophila rubi	raspberry flea beetle
Brachypnoea exilis grita	flea beetle
Nodonota margaretae	leaf beetle

Curculionidae

Anthonomus rubi	apple blossom weevil
Anthonomus signatus	blossom weevil
Merhynchites bicolor	rose curculio
Merhynchites wickhami	curculio
Nemocestes incomptus	strawberry root weevil
Otiorhynchus clavipes	red-legged weevil
Otiorhynchus singularis	clay covered weevil
Rhynchaenus fagi	strawberry weevil
Scleropterus verecundus	weevil

Nitidulidae

Meligethes hebes	sap beetle

Scarabaeidae

Cetonia aurata pisana	scarabaeid beetle
Cotinis nitida	green June beetle
Macrodactylus subspinosus	rose chafer
Phyllopertha horticola	garden chafer
Popillia japonica	Japanese beetle

Diptera
Agromyzidae

Agromyza spiraeae	rose leafminer

Anthomyiidae

Pegomya rubivora	raspberry cane maggot

Cecidomyiidae

Contarinia agrimoniae	midge
Contarinia rubicola	blackberry flower midge
Dasineura plicatrix	blackberry leaf midge
Lasioptera rubi	raspberry gall midge
Resseliella theobaldi	raspberry midge

Hemiptera
Anthocoridae

Orius vicinus	raspberry bug

Miridae

Lygocoris pabulinus	common green caspid
Lygus lineolaris	tarnished plant bug
Macrolophus rubi	mirid

Psallus variabilis	mirid
Pentatomidae	
Dolycoris baccarum	stink bug
Pentatoma rufipes	forest bug
Homoptera	
Aetalionidae	
Aetalion reticulatum	-
Aphididae	
Amphorophora agathonica	strawberry aphid
Amphorophora idaei	large raspberry aphid
Amphorophora rubitoxica	aphid
Aphis rubicola [vect.]	raspberry aphid
Aphis ruborum	permanent blackberry aphid
Macrosiphum funestum	rose aphid
Matsumuraja hirakurensis	raspberry aphid
Cicadellidae	
Dikrella californica	blueberry leafhopper
Dikrella cruentata	leafhopper
Edwardsiana rosae	rose leafhopper
Erythroneura rubiphylla	leafhopper
Macropsis fulcatus	leafhopper
Macropsis fuscula	boysenberry leafhopper
Metascarta impressifrons	leafhopper
Typhlocyba spp.	rubus leafhoppers
Issidae	
Mycterodus serbicus	plant bug
Psyllidae	
Trioza tripunctata	blackberry psyllid
Trioza trisignata	psyllid
Hymenoptera	
Cephidae	
Hartigia albomaculata	sawfly borer
Cynipidae	
Diastrophus spp.	stem gall cynipids
Pamphilidae	
Pamphilius sitkensis	sawfly
Pergidae	
Philomastix macleaii	bramble sawfly
Tenthredinidae	
Allantus cinctus	banded rose sawfly
Emphytus calceatus	sawfly
Empria tridens	raspberry sawfly
Metallus pumilus	raspberry leaf-mining sawfly
Metallus rohweri	raspberry leaf-mining sawflies
Metallus rubi	blackberry leafminer
Monophadnoides geniculatus	raspberry sawfly
Perineura rubi	sawfly
Sterictiphora furcata	sawfly
Lepidoptera	
Geometridae	
Itame wauaria	v-moth
Operophtera bruceata	Bruce spanworm
Operophtera brumata	European winter moth
Hepialidae	
Hepialus humuli	ghost swift moth
Incurvariidae	
Lampronia rubiella	raspberry bud moth
Lymantriidae	
Euproctis chrysorrhoea	**brown-tail moth**
Lymantria dispar	Asian gypsy moth
Orgyia antiqua	rusty tussock moth

Megalopygidae	
Megalopyge lanata	-
Nepticulidae	
Stigmella aurella	-
Stigmella splendidissimella	-
Noctuidae	
Acronicta psi	grey dagger moth
Agrotis segetum	turnip moth
Cosmia trapezina	dun-bar moth
Eudocima tyrannus	Akebia leaf-like moth
Graphiphora augur	double dart moth
Melanchra persicariae	dot moth
Oraesia emarginata	fruit-piercing moth
Papaipema nebris	stalk borer
Peridroma saucia	variegated cutworm
Spirama retorta	fruit sucking moth
Xestia c-nigrum	spotted cutworm
Notodontidae	
Phalera bucephala	buff-tip moth
Saturniidae	
Saturnia pavonia	silk moth
Sesiidae	
Pennisetia hylaeiformis	raspberry crownborer
Pennisetia marginata	raspberry crownborer
Synanthedon bibionipennis	strawberry crown moth
Tortricidae	
Acleris comariana	leafroller
Acleris laterana	broad barred button moth
Archips oporanus	fruit tree tortix
Argyrotaenia citrana	orange tortix
Choristoneura rosaceana	obliquebanded leafroller
Cnephasia longana	omnivorous leaftier
Epiblema uddmanniana	bramble shoot borer
Olethreutes concinnana	leafroller
Olethreutes furfuranum	leafroller
Pandemis cerasana	leafroller
Spilonota ocellana	eye-spotted bud moth
Orthoptera	
Gryllidae	
Oecanthus nigricornis	blackhorned tree cricket
Oecanthus pellucens	blackhorned tree cricket
Phasmida	
Phasmatidae	
Carausius morosus	wingless stick insect
Thysanoptera	
Thripidae	
Thrips flavus	flower thrips
Mites	
Arachnida	
Acarina	
Eriophyidae	
Cenopalpus pseudospinosus	rust mite
Epitrimerus gibbosus	eriophyid mite
Eriophyes rubi	eriophyid mite
Phyllocoptes gibbosus	eriophyid mite
Phyllocoptes gracilis	raspberry mite
Phyllocoptes rubi	eriophyid mite
Eupodidae	
Neotetranychus rubi	raspberry mite
Tetranychidae	

Amphitetranychus viennensis	hawthorn spider mite
Nematodes	
Adenophorea	
Dorylaimida	
Longidoridae	
Xiphinema bakeri	dagger nematode
Xiphinema barense	dagger nematode
Secernentea	
Tylenchida	
Criconematidae	
Criconemella axestis	-
Criconemella curvata	ring nematode
Criconemella denoudeni	-
Criconemella ornata	ring nematode
Criconemella sphaerocephala	ring nematode
Criconemella xenoplax	ring nematode
Dolichodoridae	
Tylenchorhynchus claytoni	tobacco stunt nematode
Hoplolaimidae	
Helicotylenchus platyurus	-
Hoplolaimus magnistylus	-
Scutellonema bradys	yam nematode
Pratylenchidae	
Hirschmanniella oryzae	rice root nematode
Fungi	
Ascomycota: Ascomycetes	
Diaporthales	
Valsaceae	
Gnomonia rostellata	-
Gnomonia rubi (anamorph Gloeosporium sp.)	cane canker, dieback
Gnomonia setacea	cane canker, dieback
Dothideales	
Leptosphaeriaceae	
Leptosphaeria thomasiana	cane blight
Melanconidaceae	
Sydowiella depressula	-
Mycosphaerellaceae	
Mycosphaerella confusa (anamorph Pseudocercospora rubi)	cercospora leaf spot
Mycosphaerella ligea	cane & leaf spot
Mycosphaerella rubi (anamorph Septoria rubi)	cane & leaf spot
Sphaerulina rubi (anamorph Cylindrosporium rubi)	-
Helotiales	
Dermateaceae	
Pyrenopeziza rubi	cane spot
Sclerotiniaceae	
Monilinia fructigena (anamorph Monilia fructigena)	brown rot
Meliolales	
Meliolaceae	
Appendiculella calstroma	**black mildew**
Unknown **Ascomycetes**	
-	
Hormotheca rubicola	-
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria gallica	armillaria root rot
Armillaria mellea (anamorph Rhizomorpha subcorticalis)	shoestring root rot
Armillaria ostoyae	armillaria root rot
Russulales	

Lachnocladiaceae	
Scytinostroma galactinum	Scytinostroma galactinum
Unknown Basidiomycetes	
Gerwasia epiphylla	-
Basidiomycota: Urediniomycetes	
Stereales	
Sistotremataceae	
Phymatotrichopsis omnivora	Texas root rot
Uredinales	
Phragmidiaceae	
Arthuriomyces peckianus	orange rust
Gymnoconia nitens	rust
Hamaspora longissima	sub-tropical rust
Phragmidium alaskanum	-
Phragmidium bulbosum	rust
Phragmidium occidentale	-
Pucciniastraceae	
Pucciniastrum arcticum	-
Mitosporic Fungi (Coelomycetes)	
Hapalosphaeria deformans	anther blight
Macrophoma rubi	-
Marssonina potentillae	leaf scorch
Phyllosticta carpogena	-
Mitosporic Fungi (Hyphomycetes)	
Fusicladium grayianum	-
Passalora monrosii	-
Pseudocercospora heteromalla	-
Pseudocercospora rubicola	-
Verticillium albo-atrum [severe strain]	verticillium wilt
Zygomycota: Zygomycetes	
Mucorales	
Mucoraceae	
Rhizopus sexualis	soft rot
Chromista	
Oomycota	
Pythiaceae	
Phytophthora idaei	-
Phytophthora ramorum	sudden oak death
Phytophthora rubi	root rot
Bacteria	
-	
-	
Enterobacteriaceae	
Erwinia amylovora f.sp. *rubi*	
Rhizobiaceae	
Agrobacterium rubi	cane gall
Xanthomonadaceae	
Xylella fastidiosa	Pierce's disease
Viruses	
-	
-	
-	
Blackberry calico virus	-
Blackberry chlorotic ringspot virus	-
Blackberry virus Y	-
Blackberry yellow vein associated virus	-
Cherry rasp leaf virus	-

Hawaiian rubus leaf curl virus	-
Raspberry latent virus	
Raspberry leaf curl virus	-
Raspberry ringspot virus [strains not in New Zealand]	-
Rubus chlorotic mottle virus	-
Rubus yellow net virus	-
Tobacco necrosis virus [strains not in New Zealand]	-
Tomato ringspot virus	-

Phytoplasmas

-

-

-

Black raspberry witches'-broom phytoplasma	-
Rubus stunt phytoplasma	-

Disease of unknown aetiology

-

-

-

Alpine mosaic agent	-
Black raspberry streak disease	-

Solanum tuberosum regulated pests (actionable)

Mite	
Arachnida	
Acarina	
Tetranychidae	
Tetranychus evansi	tetranychid mite
Fungi	
Chytridiomycota	
Chytridiales	
Synchytriaceae	
Synchytrium endobioticum [official control]	potato wart
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Phoma andigena var. *andina*	phoma leaf spot
Mitosporic Fungi	
Unknown Mitosporic Fungi	
Unknown Mitosporic Fungi	
Aecidium cantensis	deforming rust
Oomycota	
Peronosporales	
Peronosporaceae	
Phytophthora capsici	fruit rot of peppers
Phytophthora infestans [A2 mating strain]	late blight
Phytophthora palmivora	black rot
Bacteria	
Burkholderiaceae	
Ralstonia pseudosolanacearum (Formerly *R. solanacearum* race 1)	bacterial wilt of potatoes
Corynebacteriaceae	
Clavibacter michiganensis subsp. *sepedonicus*	potato ring rot
Enterobacteriaceae	
Dickeya chrysanthemi pv. *chrysanthemi* (syn. *Erwinia chrysanthemi* pv. *chrysanthemi*)	bacterial soft rot
Dickeya chrysanthemi pv. *parthenii* (syn. *Erwinia chrysanthemi* pv. *parthenii*)	-
Dickeya paradisiaca (syn. *Erwinia chrysanthemi* pv. *paradisiaca*)	-
Dickeya solani	-
Pectobacterium betavasculorum (syn. *Erwinia carotovora* subsp. *betavasculorum*)	bacterial sudden yellows death
Pectobacterium polaris	
Pseudomonadaceae	
Xylella fastidiosa	
Phyllobacteriaceae	
"Candidatus Liberibacter solanacearum" haplotype B	
Viroids	
*Columnea latent viroid**	-
*Pepper chat fruit viroid**	
Potato spindle tuber viroid [transient]	-
*Tomato planta macho viroid**	-
Viruses	
*Abutilon mosaic begomovirus**	-
Andean potato latent tymovirus	-
Andean potato mild mosaic tymovirus	-

Andean potato mottle comovirus	-
Arracacha B nepovirus	-
Beet curly top curtovirus	-
*Cassia mild mosaic carlavirus**	-
Eggplant mottled dwarf nucleorhabdovirus	-
*Henbane mosaic potyvirus**	-
Papaya mosaic potexvirus	-
Pepino mosaic potexvirus [strains not in New Zealand]	-
Potato 14R tobamovirus	-
Potato black ringspot nepovirus	-
Potato deforming mosaic begomovirus	-
Potato latent carlavirus	-
Potato mop-top furovirus	-
Potato P carlavirus	-
Potato rough dwarf carlavirus	-
Potato virus H carlavirus	
Potato virus T trichovirus	-
Potato virus U nepovirus	-
Potato virus V potyvirus	-
Potato virus Y potyvirus [strains not in New Zealand]	-
Potato yellow dwarf nucleorhabdovirus	-
Potato yellow mosaic begomovirus	-
Potato yellow vein crinivirus	-
Potato yellowing ilarvirus	-
Solanum apical leaf curling begomovirus	-
Solanum yellows luteovirus	-
Southern potato latent carlavirus	-
Sowbane mosaic sobemovirus	-
Tobacco necrosis necrovirus [strains not in New Zealand]	
*Tobacco necrotic dwarf luteovirus**	-
Tobacco rattle tobravirus [strains not in New Zealand]	-
Tobacco streak ilarvirus [strains not in New Zealand]	-
Tomato infectious chlorosis crinivirus	-
*Tomato leaf curl begomovirus - Australia**	-
Tomato leaf curl begomovirus - New Delhi	-
Tomato yellow leaf curl begomovirus	-
Tomato yellow mosaic begomovirus	-
*Tomato yellow vein streak begomovirus**	-
Wild potato mosaic potyvirus	-

Phytoplasmas

Columbia basin purple top phytoplasma	-
Eggplant little leaf phytoplasma	
Peanut witches' broom*	-
Potato marginal flavescence	-
Potato phyllody phytoplasma	-
Potato purple-top roll phytoplasma	-
Potato purple-top wilt phytoplasma	-
Potato round leaf phytoplasma	-
Potato “stolbur” phytoplasma	-
Potato witches' broom phytoplasma	-
Saq'O disease	-

* Pathogens that infect *Solanum tuberosum* experimentally (i.e. not yet found to infect potato naturally under field conditions)

Tulipa regulated pests (actionable)

Insect	
Insecta	
Diptera	
Anthomyiidae	
Delia antiqua	onion maggot
Homoptera	
Aphididae	
Rhopalosiphoninus staphyleae tulipaellus	tulip leaf aphid
Orthoptera	
Gryllotalpidae	
Gryllotalpa gryllotalpa	mole cricket
Thysanoptera	
Thripidae	
Taeniothrips eucharii	oriental thrips
Mite	
Arachnida	
Acarina	
Eriophyidae	
Aceria tulipae [vector]	wheat curl mite
Nematode	
Adenophorea	
Dorylaimida	
Longidoridae	
Xiphimena coxi	dagger nematode
Trichodoridae	
Paratrichodorus pachydermus [vector]	stubby root nematode
Paratrichodorus teres	stubby root nematode
Trichodorus similis	stubby root nematode
Secernentea	
Tylenchida	
Tylenchidae	
Ditylenchus dipsaci [strains not in New Zealand]	stem and bulb nematode
Fungus	
Ascomycota	
Leotiales	
Sclerotiniaceae	
Sclerotinia bulborum	black slime
Sclerotinia galanthina	bulb rot
Basidiomycota: Ustomycetes	
Ustilaginales	
Ustilaginaceae	
Ustilago tulipae	smut
mitosporic fungi (Agonomycetes)	
Agonomycetales	
unknown Agonomycetales	
Rhizoctonia tuliparum	basal rot
Sclerotium perniciosum	smoulder
Sclerotium wakkeri	blackleg
Bacterium	
Corynebacteriaceae	
Curtobacterium flaccumfaciens pv. *oortii*	yellow pock
Virus	
Cymbidium ringspot virus	-
Tobacco rattle virus [strains not in New Zealand]	-

Tomato bushy stunt virus	-
Tomato ringspot virus	-
Tulip grey virus (syn. *Tulip severe mosaic virus*)	-
Tulip halo necrosis virus	-
Tulip mild mosaic virus	-
Tulip mild mottle mosaic virus	-
Wa tulip virus	-

Vaccinium regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Cerambycidae	
Oberea myops	azalea stem borer
Chrysomelidae	
Altica sylvia	blueberry flea beetle
Rhabdopterus picipes	cranberry rootworm
Curculionidae	
Anthonomus musculus	cranberry weevil
Conotrachelus nenuphar	plum curculio
Pseudanthonomus validus	currant fruit weevil
Scarabaeidae	
Popillia japonica	Japanese beetle
Diptera	
Cecidomyiidae	
Contarinia vaccinii	blueberry tip midge
Tephritidae	
Rhagoletis mendax	blueberry maggot
Hemiptera	
Coreidae	
Veneza phyllopus	leaf-footed bug
Homoptera	
Aphididae	
Illinoia borealis	aphid
Illinoia pepperi	blueberry aphid
Cicadellidae	
Euscelis striatulus	Blunt-nosed leafhopper
Scaphytopius magdalensis	sharpnosed leafhopper
Hymenoptera	
Tenthredinidae	
Caliroa annulipes	sawfly
Neopareophora litura	gooseberry sawfly
Pristiphora idiota	willow redgall sawfly
Pristiphora mollis	-
Lepidoptera	
Arctiidae	
Hyphantria cunea	fall webworm
Geometridae	
Itame ribearia	currant spanworm
Noctuidae	
Acronicta tritona	acronicta caterpillar
Actebia fennica	black army cutworm
Notodontidae	
Datana major	azalea caterpillar
Pyralidae	
Acrobasis vaccinii	cranberry fruitworm
Sphingidae	
Paonias astylus	huckleberry sphinx
Tortricidae	
Archips rosanus	rose leafroller
Argyrotaenia velutinana	red-banded leafroller
Aroga trialbamaculella	leaftier
Cheimophila salicella	European carnation tortrix
Choristoneura hebenstreitella	tortricid
Choristoneura rosaceana	oblique-banded leafroller
Cydia packardi	cherry fruitworm
Dichomeris vacciniella	leaftier
Hendecaneura shawiana	blueberry tip borer

Spilonota ocellana	eyespotted bud moth
Thysanoptera	
Thripidae	
Catinathrips similis	thrips
Catinathrips vaccinicola	thrips
Frankliniella bispinosa	flower thrips
Frankliniella tritici	eastern flower thrips
Frankliniella vaccinii	blueberry thrips
Scirtothrips ruthveni	-
Taeniothrips vaccinophilus	thrips
Mite	
Arachnida	
Acarina	
Eriophyidae	
Acalitus vaccinii	blueberry bud mite
Fungus	
Ascomycota	
Diaporthales	
Valsaceae	
Diaporthe vaccinii (anamorph *Phomopsis vaccinii*)	twig blight
Dothideales	
Botryosphaeriaceae	
Botryosphaeria corticis	cane blight
Botryosphaeria vaccinii (anamorph *Phyllosticta elongata*)	--
Polystomellaceae	
Dothidella vacciniicola	twig canker
Erysiphales	
Erysiphaceae	
Microsphaera vaccinii	powdery mildew
Hypocreales	
Hypocreaceae	
Calonectria ilicicola (anamorph *Cylindrocladium crotalariae*)	root and stem rot
Leotiales	
Leotiaceae	
Godronia cassandrae (anamorph *Fusicoccum putrefaciens*)	foliage spot
Godronia cassandrae f. sp. *vaccinii*	cane canker
Sclerotiniaceae	
Monilinia baccarum	mummy berry
Monilinia fructigena (anamorph *Monilia fructigena*)	European brown rot
Monilinia ledi	twig blight
Monilinia megalospora	-
Monilinia oxycocci	-
Monilinia urnula	brown rot
Monilinia vaccinii-corymbosi	brown rot
Phyllachorales	
Phyllachoraceae	
Ophiodothella vaccinii	fly speck leaf spot
Meliolales	
Meliolaceae	
Asteridiella exilis	black mildew
Rhytismatales	
Rhytismataceae	
Lophodermium hypophyllum	-
Lophodermium maculare	leaf spot
Rhytisma vaccinii	tar leaf spot
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot

Armillaria ostoyae	armillaria root rot
Exobasidiales	
Exobasidiaceae	
Exobasidium maculosum	
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniastraceae	
Pucciniastrum goeppertianum	rust
Oomycota	
Pythiales	
Pythiaceae	
Phytophthora ramorum	sudden oak death disease
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Dothichiza caroliniana	double leaf spot
Coniothyrium vaccinicola	brand canker
Phoma vaccinii	stem blight
Piggotia vaccinii	leaf spot
Septoria albopunctata	septoria spot
Septoria vaccinii	septoria spot
unknown Coelomycetes	
unknown Coelomycetes	
Gloeosporium minus	leaf spot and stem canker
Leptothyrium conspicuum	fly speck
mitosporic fungi (Hyphomycetes)	
Hyphomycetales	
Moniliaceae	
Gloeocercospora inconspicua	leaf spot
Ramularia vaccinii	leaf spot
unknown Hyphomycetes	
unknown Hyphomycetes	
Aureobasidium vaccinii	twig and leaf blight
Bacterium	
Burkholderiaceae	
Ralstonia pseudosolanacearum (Formerly *Ralstonia solanacearum race 1*, *Phylotype I)*	Bacterial wilt
Pseudomonadaceae	
Xylella fastidiosa	Pierce's disease
Rhizobiaceae	
Agrobacterium rubi	cane gall
Virus	
Blueberry leaf mottle virus	-
Blueberry red ringspot virus (syn. *Cranberry ringspot virus*)	-
Blueberry scorch virus	-
Blueberry shock virus	-
Blueberry shoestring virus	-
Peach rosette mosaic virus	-
Tobacco streak virus [strains not in New Zealand]	-
Tomato ringspot virus	-
Phytoplasma	
Blueberry stunt phytoplasma	-
Cranberry false blossom phytoplasma	-
Vaccinium witches' broom phytoplasma	-
Disease of unknown aetiology	
Blueberry fruit drop disease	-

Vaccinium macrocarpon regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Chrysomelidae	
Rhabdopterus picipes	cranberry rootworm
Curculionidae	
Anthonomus musculus	cranberry weevil
Pseudanthonomus validus	currant fruit weevil
Scarabaeidae	
Popillia japonica	Japanese beetle
Diptera	
Tephritidae	
Rhagoletis pomonella	apple maggot fly
Homoptera	
Aphididae	
Aphis vaccinii	blueberry aphid
Illinoia borealis	**aphid**
Cicadellidae	
Euscelis striatulus	Blunt-nosed leafhopper
Hymenoptera	
Tenthredinidae	
Pristiphora idiota	willow redgall sawfly
Lepidoptera	
Arctiidae	
Hyphantria cunea	fall webworm
Geometridae	
Itame ribearia	currant spanworm
Noctuidae	
Acronicta tritona	acronicta caterpillar
Actebia fennica	black army cutworm
Pyralidae	
Acrobasis vaccinii	cranberry fruitworm
Tortricidae	
Archips rosanus	rose leafroller
Argyrotaenia velutinana	red-banded leafroller
Aroga trialbamaculella	leaftier
Choristoneura hebenstreitella	tortricid
Choristoneura rosaceana	oblique-banded leafroller
Dichomeris vacciniella	leaftier
Thysanoptera	
Thripidae	
Frankliniella vaccinii	blueberry thrips
Mite	
Arachnida	
Acarina	
Eriophyidae	
Acalitus vaccinii	blueberry bud mite
Fungus	
Ascomycota	
Diaporthales	
Valsaceae	
Diaporthe vaccinii (anamorph *Phomopsis vaccinii*)	twig blight
Dothideales	
Botryosphaeriaceae	
Botryosphaeria vaccinii (anamorph *Phyllosticta elongata*)	--
Erysiphales	
Erysiphaceae	

Microsphaera vaccinii	powdery mildew
Leotiales	
Leotiaceae	
Godronia cassandrae (anamorph *Fusicoccum putrefaciens*)	foliage spot
Godronia cassandrae f. sp. *vaccinii*	cane canker
Sclerotiniaceae	
Monilinia fructigena (anamorph *Monilia fructigena*)	European brown rot
Monilinia oxycocci	-
Rhytismatales	
Rhytismataceae	
Lophodermium hypophyllum	-
Lophodermium maculare	leaf spot
Lophodermium oxycocci	-
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniastraceae	
Pucciniastrum goeppertianum	rust
Chytridiomycota	
Chytridiales	
Synchytriaceae	
Synchytrium vaccinii	red leaf gall
Mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Coniothyrium vaccinicola	brand canker
Phoma vaccinii	stem blight
Septoria vaccinii	septoria spot
Strasseria oxycocci	fruit rot
unknown Coelomycetes	
unknown Coelomycetes	
Gloeosporium minus	leaf spot and stem canker
Leptothyrium conspicuum	fly speck
Oomycota	
Pythiales	
Pythiaceae	
Phytophthora ramorum	Sudden Oak Death disease
Bacterium	
Pseudomonadaceae	
Xylella fastidiosa	
Rhizobiaceae	
Agrobacterium rubi	cane gall
Virus	
Blueberry scorch virus	
Blueberry red ringspot virus (syn. *Cranberry ringspot virus*)	-
Tobacco streak virus [strains not in New Zealand]	-
Phytoplasma	
Cranberry false blossom phytoplasma	-

Vitis regulated pests (actionable)

Insect
Insecta
Coleoptera

Bostrichidae	
Amphicerus bicaudatus	apple twig borer
Amphicerus bimaculatus	bostrichid beetle
Amphicerus cornutus	-
Apate congener	-
Apate monachus	black borer
Bostrychopsis jesuita	large auger beetle
Dexicrates robustus	-
Melalgus confertus	branch and twig borer
Micrapate scabrata	-
Neoterius mistax	-
Psoa quadrisignata	-
Schistocerus bimaculatus	grape cane borer
Scobicia declivis	lead cable borer
Xylopertha retusa	wood boring beetle
Xylopsocus gibbicollis	-
Buprestidae	
Agrilus marginicollis	flatheaded grape borer
Carabidae	
Adoxus obscurus [Animals Biosecurity]	-
Cerambycidae	
Acalolepta vastator	-
Cerasphorus albofasciatus	grape trunk borer
Chrysomelidae	
Altica chalybaea	grape flea beetle
Altica torquata	grapevine flea beetle
Bromius obscurus	western grape rootworm
Fidia viticida	grape root worm
Glyptoscelis squamulata	grape bud beetle
Haltica spp.	-
Monolepta australis	red-shouldered leaf beetle
Coccinellidae	
Coccinella transversoguttata [Animals Biosecurity]	-
Midas pygmaeus [Animals Biosecurity]	-
Nephus reunioni [Animals Biosecurity]	-
Rhyzobius ruficollis [Animals Biosecurity]	-
Stethorus spp. [Animals Biosecurity]	-
Curculionidae	
Bustomus setulosus	brown weevil
Craponius inaequalis	grape curculio
Dischista cincna	flower beetle
Eremnus atratus	black weevil
Eremnus cerealis	western province grain worm
Eremnus setulosus	grey weevil
Naupactus xanthographus	fruit tree weevil
Orthorhinus cylindrirostris	elephant weevil
Orthorhinus klugi	immigrant acacia weevil
Otiorhynchus cribricollis	cribrate weevil
Perperus spp.	apple root weevils
Platyaspistes glaucus	-
Platyaspistes venustus	-
Rhigopsis effracta	-
Tanyrhynchus carinatus	bud nibbler
Elateridae	
Limonius canus	Pacific Coast wireworm
Meloidae	

Mylabris oculata	-
Scarabaeidae	
Athlia rustica	-
Cotalpa ursina	-
Hoplia callipyge	-
Hoplia pubicollis	-
Macrodactylus subspinosus	rose chafer
Pachnoda sinuata	scarab beetle
Popillia japonica	Japanese beetle
Schizonycha sp.	cockchafer
Scolytidae	
Scolytus japonicus	Japanese bark beetle
Xyleborus dispar	ambrosia beetle
Xyleborus semiopacus	black twig borer
Staphylinidae	
Oligota pygmaea [Animals Biosecurity]	-
Tenebrionidae	
Blapstinus sp.	darkling beetle
Coniontis parviceps	-
Metoponium abnorme	-
Diptera	
Cecidomyiidae	
Diadiplosis koebelei	-
Tachinidae	
Ollacheryphe aenea [Animals Biosecurity]	-
Sturmia harrisinae [Animals Biosecurity]	-
Voriella uniseta [Animals Biosecurity]	-
Hemiptera	
Anthocoridae	
Orius sp. [Animals Biosecurity]	-
Coreidae	
Anthocoris sp.	-
Mictis profana	crusader bug
Lygaeidae	
Nysius raphanus	false chinch bug
Nysius vinitor	Rutherglen bug
Oxycarenus arctatus	coon bug
Miridae	
Creontiades dilutus	green mirid
Pentatomidae	
Euschistus conspersus	stink bug
Oechalia schellenbergi [Animals Biosecurity]	Schellenberg's soldier bug
Pyrrhocoridae	
Dindymus versicolor	harlequin bug
Homoptera	
Aleyrodidae	
Aleurocanthus woglumi	citrus blackfly
Tetraleurodes vittatus	-
Trialeurodes vittata	grape whitefly
Aphididae	
Aphis illinoisensis	grapevine aphid
Aphis medicaginis	-
Asterolecaniidae	
Asterolecanium pustulans	oleander pit scale
Cerococcidae	
Asterococcus muratae	pit scale
Cicadellidae	
Acia lineatifrons	leafhopper
Carneocephala fulgida	red-headed sharpshooter
Carneocephala fulgida [vector]	red-headed sharpshooter
Dikrella cockerellii	blackberry leafhopper

Draeculacephala minerva	green sharpshooter
Draeculacephala minerva [vector]	green sharpshooter
Empoasca sp.	green leafhopper
Erythroneura comes	eastern grape leafhopper
Erythroneura elegantula	western grape leafhopper
Erythroneura variabilis	variegated grape leafhopper
Erythroneura ziczac	-
Graphocephala atropunctata	leafhopper
Graphocephala atropunctata [vector]	blue-green sharpshooter
Hordnia circellata	-
Scaphoideus titanus [vector]	raspberry leafhopper
Cicadidae	
Platypedia minor	-
Tettigades chilensis	-
Coccidae	
Ceroplastes rusci	fig wax scale
Eulecanium cerasorum	calico scale
Eulecanium pruinosum	frosted scale
Heliococcus bohemicus	scale
Parthenolecanium persicae	European peach scale
Pulvinaria betulae	scale
Pulvinaria innumerabilis	cottony maple scale
Pulvinaria vitis	woolly vine scale
Diaspididae	
Aonidiella inornata	inornate scale
Chrysomphalus aonidum	Florida red scale
Diaspidiotus uvae	grape scale
Oceanspidiotus spinosus	armoured scale
Parlatoria cinerea	chaff scale
Parlatoria oleae	olive scale
Pinnaspis strachani	hibiscus snow scale
Pseudaonidia trilobitiformis	trilobite scale
Pseudaulacaspis pentagona	white peach scale
Quadraspidiotus juglansregiae	walnut scale
Selenaspidus articulatus	West Indian red scale
Margarodidae	
Eurhizococcus brasiliensis	margarodid
Icerya seychellarum	Seychelles scale
Margarodes capensis	Seychelles fluted scale
Margarodes greeni	soft scale
Margarodes meridionalis	-
Margarodes prieskaensis	margarodid
Margarodes trimeni	margarodid
Margarodes vitis	-
Margarodes vredendalensis	margarodid
Membracidae	
Ceresa bubalus	tree hopper
Spissistilus bisonia	-
Spissistilus festinus	three-cornered alfalfa hopper
Phylloxeridae	
Viteus vitifoliae [strain]	grape phylloxera
Pseudococcidae	
Maconellicoccus hirsutus	pink hibiscus mealybug
Planococcus ficus	fig mealybug
Pseudococcus capensis	-
Pseudococcus maritimus	grape mealybug
Rhizoecus kondonis	Kondo mealybug
Hymenoptera	
Aphelinidae	
Coccophagus caridei [Animals Biosecurity]	-
Coccophagus gurneyi [Animals Biosecurity]	-

Bethylidae	
Goniozus platynota [Animals Biosecurity]	-
Braconidae	
Apanteles harrisinae [Animals Biosecurity]	-
Bracon cushmani [Animals Biosecurity]	-
Dolichogenidea tasmanica [Animals Biosecurity]	-
Dryinidae	
Aphelopus albopictus [Animals Biosecurity]	-
Encyrtidae	
Acerophagus notativentris [Animals Biosecurity]	-
Anagyrus clauseni [Animals Biosecurity]	-
Anagyrus fusciventris [Animals Biosecurity]	-
Anagyrus pseudococci [Animals Biosecurity]	-
Leptomastix dactylopii [Animals Biosecurity]	parasitic wasp
Metaphycus flavus [Animals Biosecurity]	-
Pseudaphycus angelicus [Animals Biosecurity]	-
Zarhopalus corvinus [Animals Biosecurity]	-
Eulophidae	
Colpoclypeus florus [Animals Biosecurity]	-
Formicidae	
Anoplolepis steingroeveri [Animals Biosecurity]	black ant
Crematogaster peringueyi [Animals Biosecurity]	cocktail ant
Formica cinerea [Animals Biosecurity]	ant
Pogonomyrmex californica [Animals Biosecurity]	California harvester ant
Solenopsis xyloni [Animals Biosecurity]	southern fire ant
Veromessor pergandei [Animals Biosecurity]	desert seed-harvester ant
Ichneumonidae	
Campoplex capitator [Animals Biosecurity]	-
Dicaelotus inflexus [Animals Biosecurity]	-
Mymaridae	
Anagrus epos [Animals Biosecurity]	-
Pteromalidae	
Ophelosia charlesii [Animals Biosecurity]	-
Pachyneuron sp. [Animals Biosecurity]	-
Trichogrammatidae	
Trichogramma funiculatum [Animals Biosecurity]	-
Trichogrammatomyia tortricis [Animals Biosecurity]	-
Vespidae	
Polistes buysoni [Animals Biosecurity]	-
Isoptera	
Kalotermitidae	
Cryptotermes brevis	West Indian drywood termite
Kalotermes flavicollis	termite
Kalotermes minor	-
Neotermes chilensis	termite
Rhinotermitidae	
Coptotermes acinaciformis [official control]	Australian subterranean termite
Reticulitermes hesperus	-
Termopsidae	
Porotermes quadricollis	-
Lepidoptera	
Agaristidae	
Agarista agricola	painted vine moth
Heraclia superba	grapevine zebra moth
Arctiidae	
Estigmene acrea	saltmarsh caterpillar
Hyphantria cunea	fall webworm
Laora variabilis	-
Spilosoma virginica	yellow woollybear
Turuptiana obliqua	tiger moth
Cossidae	

Coryphodema tristis	quince trunk borer
Zeuzera coffeae	red coffee borer
Heliozelidae	
Antispila rivillei	-
Noctuidae	
Achaea spp.	fruit-piercing moths
Agrotis munda	brown cutworm
Alabama argillacea	cotton leafworm
Anomis mesogona	hibiscus looper
Anomis spp.	-
Calyptra spp.	fruit-piercing moths
Copitarsia consueta	noctuid moth
Eudocima spp.	fruit-piercing moths
Euxoa messoria	darksided cutworm
Euxoa ochrogaster	redbacked cutworm
Helicoverpa punctigera	oriental tobacco budworm
Mythimna sp.	-
Noctua fimbriata	broad-bordered yellow underwing
Noctua pronuba	large yellow underwing
Oraesia spp.	fruit-piercing moths
Orthodes rufula	cutworm
Peridroma margaritosa	-
Peridroma saucia	variegated cutworm
Protorthodes rufula	-
Serrodes spp.	fruit-piercing moth
Sphingomorpha spp.	-
Spodoptera littoralis	cotton leafworm
Xestia c-nigrum	spotted cutworm
Oecophoridae	
Echiomima sp.	-
Maroga melanostigma	fruit tree borer
Psychidae	
Gymnelema plebigena	bagworm
Pterophoridae	
Geina periscelidactylus	-
Pyralidae	
Desmia funeralis	grape leaf-folder
Euzophera bigella	quince moth
Ostrinia nubilalis	European corn borer
Saturniidae	
Hemileuca eglanterina	brown day-moth
Hyalophora cecropia	cecropia moth
Sesiidae	
Vitacea polistiformis	grape root borer
Sphingidae	
Eumorpha achemon	achemon sphinx
Hippotion celerio	grapevine hawk moth
Hyles euphorbiae	spurge hawk moth
Hyles lineata	whitelined sphinx
Theretra capensis	grapevine hawk moth
Theretra oldenlandiae	vine hawk moth
Tortricidae	
Archips argyrospilus	fruit tree leafroller
Argyrotaenia citrana	orange tortrix
Argyrotaenia ljungiana	grey red-barred tortrix
Argyrotaenia velutinana	red-banded leafroller
Cryptophlebia leucotreta	false codling moth
Endopiza viteana	-
Eulia stalactitis	-
Eupoecilia ambiguella	vine moth
Lobesia botrana	grape berry moth

Paralobesia viteana	grape berry moth
Platynota stultana	omnivorous leafroller
Proeulia auraria	grapevine leafroller
Proeulia triqueta	-
Zygaenidae	
Harrisina americana	grapeleaf skeletonizer
Harrisina brillians	western grapeleaf skeletonizer
Theresimima ampelophaga	zygaenid butterfly
Neuroptera	
Chrysopidae	
Chrysopa oculata [Animals Biosecurity]	-
Chrysopa spp. [Animals Biosecurity]	-
Coniopterygidae	
Cryptoscenea australiensis [Animals Biosecurity]	-
Hemerobiidae	
Micromus sp. [Animals Biosecurity]	**-**
Orthoptera	
Acrididae	
Melanoplus femurrubrum	red-legged grasshopper
Melanoplus mexicanus devastator	-
Oedaleonotus enigma	-
Phaulacridium vittatum	wingless grasshopper
Schistocerca cancellata	-
Schistocerca shoshone	-
Schistocerca vaga	-
Gryllidae	
Acheta fulvipennis	cricket
Microgryllus pallipes	cricket
Tettigoniidae	
Caedicia spp.	-
Plangia graminea	grasshopper
Thysanoptera	
Phlaeothripidae	
Haplothrips victoriensis	tubular black thrips
Thripidae	
Caliothrips fasciatus	bean thrip
Drepanothrips reuteri	grape thrips
Frankliniella cestrum	tomato thrips
Frankliniella minuta	minute flower thrips
Frankliniella occidentalis [pesticide resistant strain]	western flower thrips
Heliothrips sylvanus	thrips
Rhipiphorothrips cruentatus	leaf thrips
Scirtothrips citri	citrus thrips
Scolothrips sexmaculatus [Animals Biosecurity]	-
Unknown Insecta	
Unknown Insecta	
Cryptolarynx vitis	-
Dyctineis pulvinosus	-

Mite	
Arachnida	
Acarina	
Anystidae	
Anystis agilis [Animals Biosecurity]	-
Eriophyidae	
Colomerus vitis [leaf curling strain]	grape erineum mite
Phyllocoptes vitis	eriophyid mite
Phytoseiidae	
Amblyseius victoriensis [Animals Biosecurity]	-
Metaseiulus occidentalis [Animals Biosecurity]	-
Neoseiulus chilenensis [Animals Biosecurity]	predator mite

Typhlodromus doreenae [Animals Biosecurity]	-
Tenuipalpidae	
Brevipalpus chilensis	false spider mite
Brevipalpus lewisi	bunch mite
Brevipalpus lilium	false spider mite
Brevipalpus obovatus	privet mite
Tenuipalpus granati	false spider mite
Tetranychidae	
Eotetranychus carpini	tetranychid mite
Eotetranychus pruni	hickory scorch mite
Eotetranychus smithi	tetranychid mite
Eotetranychus viticola	tetranychid mite
Eotetranychus willamettei	hazel mite
Eotetranychus yumensis	Yumi spider mite
Eutetranychus orientalis	pear leaf blister mite
Oligonychus coffeae	tea red spider mite
Oligonychus mangiferus	mango spider mite
Oligonychus peruvianus	spider mite
Oligonychus punicae	avocado brown mite
Oligonychus yothersi	avocado red mite
Tetranychus kanzawai	kanzawa mite
Tetranychus mcdanieli	McDaniel spider mite
Tetranychus pacificus	Pacific spider mite
Mollusc	
Gastropoda	
Stylommatophora	
Helicidae	
Cernuella virgata	small banded snails
Cochlicella barbara	small pointed garden snail
Theba pisana	white Italian snail
Fungus	
Ascomycota	
Caliciales	
Unknown Caliciales	
Roesleria pallida	grape root rot
Diaporthales	
Valsaceae	
Diaporthe rudis (anamorph *Phomopsis rudis*)	phomopsis canker
Dothideales	
Mycosphaerellaceae	
Guignardia bidwellii (anamorph *Phyllosticta ampelicida*)	black rot
Guignardia bidwellii f. sp. *euvitis*	-
Guignardia bidwellii f. sp. *muscadinii*	-
Mycosphaerella angulata (anamorph *Cercospora brachypus*)	angular leaf spot
Hypocreales	
Hypocreaceae	
Cylindrocarpon destructans var. *crassum*	root rot
Leotiales	
Dermateaceae	
Pseudopezicula tetraspora	angular leaf scorch
Pseudopezicula tracheiphila	rotbrenner
Sclerotiniaceae	
Grovesinia pyramidalis (anamorph *Cristulariella moricola*)	target spot
Rhytismatales	
Rhytismataceae	
Rhytisma vitis	tar spot
Saccharomycetales	
Saccharomycetaceae	
Pichia membranaefaciens	-

Unknown Ascomycota	
Hyponectriaceae	
Physalospora baccae	-
Xylariales	
Xylariaceae	
Anthostomella pullulans	Brulure
Basidiomycota: Agaricomycetes	
Hymenochaetales	
Hymenochaetaceae	
Phellinus noxius	brown root rot
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Armillaria sp.	armillaria root rot
Armillaria tabescens	armillaria root rot
Ganodermatales	
Ganodermataceae	
Ganoderma lucidum (anamorph *Polyporus lucidus*)	wood rot
Ganoderma tsugae	-
Poriales	
Coriolaceae	
Bjerkandera adusta	white rot
Bjerkandera fumosa	--
Lentinaceae	
Pleurotus ostreatus	wood decay
Stereales	
Stereaceae	
Stereum sp.	-
Basidiomycota: Teliomycetes	
Uredinales	
Unknown Uredinales	
Physopella ampelopsidis	grape rust
Mitosporic Fungi	
Unknown Mitosporic Fungi	
Unknown Mitosporic Fungi	
Phacellium sp.	-
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Ascochyta ampelina	leaf spot
Coniella diplodiella	white rot
Coniella petrakii	white rot
Phomopsis longiparaphysata	phomopsis rot
Pyrenochaeta vitis	leaf spot
Septoria ampelina	septoria leaf spot
Unknown Coelomycetes	
Unknown Coelomycetes	
Nattrassia toruloidea	leaf spot
Pestalotia menezesiana	fruit rot
Pestalotia pezizoides	fruit and leaf spot
Pestalotiopsis mangiferae	grey leaf spot of mango
Pestalotiopsis uvicola	fruit rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
Alternaria vitis	leaf disease
Phaeoramularia dissiliens	cercospora leaf spot
Moniliaceae	
Cephalosporium sp.	--
Penicillium aurantiogriseum	penicillium rot

Verticillium heterocladum	-
Unknown Hyphomycetes	
Unknown Hyphomycetes	
Briosia ampelophaga	leaf blotch
Candida krusei	yeasty rot
Candida steatolytica [Animals Biosecurity]	-
Oidium sp.	powdery mildew
Paecilomyces farinosus	-
Paecilomyces spp.	-
Phaeoacremonium aleophilum	-
Phaeoisariopsis sp.	-
Stigmina vitis	leaf fall
Bacterium	
Pseudomonadaceae	
Xanthomonas campestris pv. *viticola*	bacterial canker
Xylella fastidiosa	Pierce's disease
Xylophilus ampelinus	bacterial blight
Rhizobiaceae	
Agrobacterium rubi	cane gall
Virus	
Artichoke Italian latent virus	-
Cherry leaf roll virus [strains not in New Zealand]	-
Grapevine Ajinashika disease virus	-
Grapevine Algerian latent virus	-
Grapevine Anatolian ringspot virus	-
Grapevine angular mosaic virus	-
Grapevine berry inner necrosis virus	-
Grapevine Bulgarian latent virus	-
Grapevine chrome mosaic virus	-
Grapevine deformation virus	-
Grapevine fabavirus	-
Grapevine fanleaf virus	-
Grapevine labile rod-shaped virus	-
Grapevine leafroll-associated virus [type 7]	-
Grapevine leafroll-associated virus 2 red globe	-
Grapevine line pattern virus	-
Grapevine pinot gris virus	-
Grapevine red blotch virus	-
Grapevine stunt virus	-
Grapevine Tunisian ringspot virus	-
Grapevine vein clearing virus	-
Grapevine virus D	-
Grapevine virus E	-
Peach rosette mosaic virus	-
Petunia asteroid mosaic virus	-
Raspberry ringspot virus [strains not in New Zealand]	-
Sowbane mosaic virus	-
Strawberry latent ringspot virus [strains not in New Zealand]	-
Tomato ringspot virus	-
Viroid	
Australian grapevine viroid	-
Phytoplasma	
Australian grapevine yellows phytoplasma	-
Grapevine bois noir phytoplasma	-
Grapevine flavescence doree phytoplasma	-
Grapevine yellows	-
Palatine grapevine yellows	-

Tomato big bud phytoplasma	-
Vergilbungskrankheit (German grapevine yellows)	-

Diseases of unknown aetiology

Syrah decline	-

Wollemia nobilis regulated pests (actionable)

Fungus	
Ascomycota	
Dothideales	
Botryosphaeriaceae	
Botryosphaeria spp.	-
Oomycota	
Pythiales	
Pythiaceae	
Phytophthora cinnamomi	black rot
Arbuscular mychorrhizae	
All regulated species	
Ectomycorrhizae	
All regulated species	

Zantedeschia regulated pests (actionable)

Nematode	
Secernentea	
Tylenchida	
Meloidogynidae	
Meloidogyne arenaria	peanut root knot nematode
Fungus	
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Oomycota	
Pythiales	
Pythiaceae	
Phytophthora richardiae	rhizome and root rot
Pythium aphanidermatum	cottony leak
Bacterium	
Xanthomonas campestris pv. *zantedeschiae*	-
Virus	
Zantedeschia mild mosaic virus	-

Appendix 6: Suspended pathways with import specification "L2 (Basic)"

× Amarcrinum
× Cryptbergia
× Halimiocistus
Abeliophyllum
Abromeitiella
Acanthocalycium
Acantholimon
Acanthostachys
Acinos
Acleisanthes
Acmadenia
Acradenia
Adelocaryum
Adenandra
Adenia
Adonis
Adromischus
Aeollanthus
Aethionema
Agapetes
Agastachys
Aglaia
Aglaomorpha
Alamania
Alangium
Alberta
Albuca
Alkanna
Alluaudia
Aloinopsis
Alphitonia
Alyxia
Amauropelta
Amberboa
Amoreuxia
Anacampseros
Anaphalis
Andersonia
Androsace
Anemia
Anemonella
Anemonopsis
Anisotome
Anogramma
Anopterus
Antennaria
Anthericum
Antigonon
Aphanopetalum
Aporocactus
Arabis
Arachniodes
Araeococcus
Aralia (species under L2 (Basic))
Arequipa
Argyroderma
Ariocarpus
Arisarum
Aristolochia
Arrojadoa
Artanema
Arthrocereus
Arthropteris
Arundinaria
Ascarina
Asimina
Asperula
Aspidium
Asteranthera
Astragalus
Astroloba
Astroloma
Athanasia
Atherosperma
Athrotaxis
Aulax
Austrocactus
Austrocephalocereus
Avonia
Azara
Azorella
Aztekium
Azureocereus
Ballota
Baloskion
Barbarea
Bauera
Beaumontia
Belamcanda
Bellis
Berberidopsis
Berzelia
Beschorneria
Bijlia
Biscutella
Bixa
Blancoa
Blandfordia
Blighia
Boehmeria (species under L2 (Basic))
Bolusanthus
Bomarea
Borago
Bossiaea
Botrychium
Bowiea
Boykinia
Brachychilum
Brachysema
Brachystelma
Briggsia
Brocchinia
Bruckenthalia
Brunia
Brunonia
Bulbine
Bupleurum
Burchardia
Bursera
Burtonia
Calectasia
Calibanus
Calliandra
Callianthemum
Calophyllum (species under L2 (Basic))
Calostemma
Canthium
Caragana
Caralluma
Cardamine
Cardiocrinum
Carduncellus
Carissa
Carnegiea
Carpenteria
Carpobrotus
Cassiope
Catananche
Cautleya
Cavendishia
Centaurea
Centella
Cephalocereus
Cerastium
Cercidiphyllum
Cerochlamys
Chamaelirium
Chasmanthe
Cheesemania
Cheilanthes

Cheiranthera
Cheiranthus
Cheiridopsis
Chelone
Chirita
Chlidanthus
Chorizema
Christella
Chrysocoma
Chrysophyllum
Chrysothemis
Cibotium
Cladrastis
Cleistocactus
Cleyera
Clitoria
Clytostoma
Cochlospermum
Codonanthe
Coleocephalocereus
Colmanara
Colquhounia
Colutea
Colvillea
Commersonia
Conophytum
Conospermum
Conradina
Copiapoa
Corallorrhiza
Cordia
Corethrogyne
Corryocactus
Costus
Cotula
Couroupita
Crambe
Crawfurdia
Crinodendron
Crowea
Crucianella
Ctenitis
Cudrania
Cunila
Cyananthus
Cyclanthera
Cyclosorus
Cyrilla
Cyrtomium
Cystopteris
Dampiera
Darlingtonia
Dasylirion
Davidia
Decaisnea
Decumaria
Delonix (species under L2 (Basic))
Dendrocalamus
Dendromecon
Denmoza
Dennstaedtia
Dentaria
Deparia
Desfontainia
Desmodium
Deuterocohnia
Diapensia
Diastella
Dichopogon
Dicranopteris
Dictamnus
Didierea
Didymaotus
Dierama
Dillenia
Dillwynia
Dinteranthus
Dionysia
Diosma
Dipelta
Diplarrhena
Diplazium
Diplolaena
Diplosoma
Dipteranthus
Dipteronia
Disanthus
Discocactus
Diselma
Disocactus
Disphyma
Disteganthus
Dodecatheon
Dombeya
Doodia
Dorotheanthus
Dorstenia
Doryanthes
Douglasia
Dovyalis
Doyerea
Draba
Dracophilus
Drosanthemum
Dryandra
Dryas
Drynaria
Dudleya
Duvalia
Eberlanzia
Echinocereus
Echinofossulocactus
Echinomastus
Echinopsis
Echites
Edithcolea
Edraianthus
Ehretia
Elaeocarpus (species under L2 (Basic))
Embothrium
Encephalocarpus
Epacris
Epiphyllum
Epithelantha
Erinacea
Eriophyllum
Eriostemon
Eriosyce
Eritrichium
Escobaria
Espostoa
Etlingera
Eucryphia
Eulychnia
Euptelea
Eurya
Eutaxia
Ewartia
Exchorda
Excoecaria
Exochorda
Faradaya
Faucaria
Fenestraria
Ferocactus
Filipendula
Flacourtia
Fosterella
Fothergilla
Fouquieria
Frailea
Frankenia
Franklinia
Fremontodendron
Frerea
Freycinetia
Frithia
Furcraea
Galax
Galphimia
Geissorhiza
Gelsemium
Genipa

Gesneria
Gibbaeum
Gigantochloa
Gillenia
Glandulicactus
Glaucidium
Gleichenia
Globba
Glottiphyllum
Goniolimon
Goniophlebium
Gonolobus
Gordonia
Grammitis
Graptophyllum
Greenovia
Grewia
Gunnera
Gymnocactus
Gymnocarpium
Gymnocladus
Gynostemma
Gynura
Haageocereus
Haberlea
Habranthus
Halesia
Halgania
Hamelia
Haplocarpha
Harrisia
Hatiora
Hechtia
Hedysarum
Heimia
Helipterum
Heloniopsis
Hepatica
Hereroa
Hermannia
Herniaria
Hexadesmia
Hibbertia
Hippophae
Histiopteris
Holboellia
Holmskioldia
Holodiscus
Homogyne
Hoodia
Horridocactus
Houstonia
Hovea
Hovenia
Huernia
Huerniopsis
Hutchinsia
Hybanthus
Hydrastis
Hylomecon
Hymenanthera
Hymenophyllum
Hypolepis
Hypsela
Ibervillea
Iboza
Incarvillea
Isatis
Islaya
Ismene
Isopogon
Itea
Ixodia
Jancaea
Jatropha
Jeffersonia
Johnsonia
Jovibarba
Juttadinteria
Kalmiopsis
Kedrostis
Kennedia
Kirengeshoma
Kochia
Kohleria
Kolkwitzia
Lagarostrobos
Lagunaria
Lapageria
Lapeirousia
Lapidaria
Larryleachia
Lasiopetalum
Lastreopsis
Lawsonia
Layia
Lechenaultia
Leochilus
Lepidothamnus
Leptarrhena
Leptocereus
Leptopteris
Leuchtenbergia
Leucopogon
Leuzea
Linaria
Lindera
Lindsaea
Lithops
Lithospermum
Lloydia
Lobivia
Loiseleuria
Lonchocarpus
Loxanthocereus
Lucuma
Luetkea
Luzula
Lycopodiella
Lycopodium
Lygodium
Lyonothamnus
Lysichiton
Lythrum
Maackia
Macleania
Macleaya
Maclura
Macrothelypteris
Maihuenia
Malaxis
Malpighia
Manfreda
Marattia
Marianthus
Matteuccia
Matucana
Maytenus
Mazus
Meconopsis
Mediolobivia
Melandrium
Melastoma
Melicoccus
Meliosma
Melocactus
Mendoncella
Menziesia
Mertensia
Mestoklema
Metasequoia
Mexicoa
Meyerophytum
Miconia
Micranthocereus
Microcachrys
Microlepia
Microseris
Microstrobos
Mimetes
Minuartia
Mitchella
Mitraria
Moltkia
Momordica

Monadenium
Monanthes
Monilaria
Morina
Morinda (species under L2 (Basic))
Moringa
Morisia
Mussaenda Mutisia
Myosotis
Myrrhis
Myrtillocactus
Nananthus
Nassauvia
Nautilocalyx
Navia
Neillia
Neoalsomitra
Neobuxbaumia
Neochilenia
Neolitsea
Neolloydia
Neomarica
Neoporteria
Neoraimondia
Nivenia
Nolina
Nyssa
Oemleria
Omphalodes
Omphalogramma
Onoclea
Ononis
Onosma
Onychium
Oophytum
Ophioglossum
Ophiorrhiza
Ophthalmophyllum
Oreocereus
Orites
Orothamnus
Oroya
Ortegocactus
Orthrosanthus
Osbeckia
Oscularia
Osmaronia
Ostrowskia
Othonna
Ourisia
Oxylobium
Oxytropis
Pachycereus
Pachyphytum
Pachypodium
Paesia
Palisota
Panax
Pancratium
Pandanus
Paranomus
Paraquilegia
Parnassia
Parodia
Paronychia
Parrotiopsis
Patersonia
Pavetta
Pavonia
Pectinaria
Pedilanthus
Pediocactus
Pelecyphora
Peniocereus
Pennantia
Pentachondra
Pentadenia
Pereskia
Peristianthus
Peristrophe
Persoonia
Petrocoptis
Petrophila
Petrophytum
Petteria
Phaedranassa
Phaenocoma
Phebalium
Phegopteris
Philesia
Phylica
Phyllocladus
Phyllodoce
Physostegia
Piaranthus
Picrasma
Pigea
Pilosocereus
Piptanthus
Plectorrhiza
Pleiogynium
Pleiospilos
Pleurosorus
Pneumatopteris
Poinciana
Polygonatum
Polymeria
Polyosma
Polystichum
Porana
Portea
Pouteria
Pratia
Prosartes
Prostanthera
Prunella
Pseuderanthemum
Psilotum
Pterocactus
Pterocarya
Ptilotrichum
Ptilotus
Pultenaea
Purshia
Puya
Pygmaeocereus
Pyrola
Pyrrhocactus
Pyrrosia
Quassia
Quillaja
Ramonda
Raoulia
Rapanea
Ravenala
Rebutia
Rehderodendron
Rehmannia
Reinwardtia
Restio
Rhazya
Rhodanthe
Rhodiola
Rhodothamnus
Rhombophyllum
Rochea
Rodentiophila
Rodrigueziopsis
Rondeletia
Ronnbergia
Roscoea
Rosularia
Rothmannia
Rungia
Rupicapnos
Ruschia
Ruscus
Sadleria
Sagina
Salmia
Sandersonia
Sanguinaria
Saponaria
Sarcocapnos

Sarcocaulon
Sarcococca
Sarcostemma
Saxegothaea
Schisandra
Schizaea
Schizophragma
Schlumbergera
Sciadopitys
Scirpus
Sclerocactus
Scrophularia
Seemannia
Selaginella
Selago
Selinum
Selliera
Serapias
Serissa
Serruria
Setiechinopsis
Shortia
Skimmia
Soldanella
Sollya
Sonerila
Sorbaria
Sparmannia
Spatalla
Speirantha
Sphaeralcea
Spondias
Sprengelia
Spyridium
Stachyurus
Stackhousia
Stapelia
Stapelianthus
Steganotaenia
Stenanthium
Stenocactus
Stenocarpus (species under L2 (Basic)),
Stenomesson
Stephanocereus
Sticherus
Stirlingia
Stranvaesia
Streptopus
Strombocactus
Strophanthus
Stylidium
Stypandra
Submatucana
Sulcorebutia
Symphytum
Symplocos
Synadenium
Synsepalum
Tabebuia (species under L2 (Basic)),
Tabernaemontana
Tacitus
Tamarix
Tapeinocheilos
Tavaresia
Tecophilaea
Tellima
Templetonia
Tephrocactus
Ternstroemia
Tetracentron
Thamnocalamus
Thelocactus
Thelypteris
Theodorea
Thermopsis
Thlaspi
Thomasia
Thysanotus
Tipuana
Titanopsis
Tmesipteris
Todea
Tofieldia
Townsendia
Trachelium
Trevesia
Trichocaulon
Trichocereus
Trichodiadema
Trichomanes
Tripetaleia
Triphasia
Trochodendron
Turbina
Turbinicarpus
Tylecodon
Uebelmannia
Umbilicus
Urceolina
Ursulaea
Uvularia
Valeriana
Vallea
Vangueria
Veltheimia
Veratrum
Virgilia
Weberbauerocereus
Weingartia
Weinmannia
Wilcoxia
Woodwardia
Wulfenia
Xanthoceras
Xanthorrhoea
Zieria

Explanatory Note

This note is not part of the Import Health Standard but is intended to indicate its general effect.

Consistency Accountability Statement

Import Health Standard: Plants for Planting 2026 - Consistency Accountability Statement and Summary of Underpinning Analysis

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