



Import Health Standard

Plants for Planting

155.02.06

[Document Date]

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.

TITLE

Import Health Standard: Plants for Planting

COMMENCEMENT

This Import Health Standard comes into force on [Effective Date]

REVOCATION

This import health standard revokes and replaces import health standard 155.02.06 *Plants for Planting* 4 August 2025.

ISSUING AUTHORITY

This Import Health Standard is issued under section 24A of the Biosecurity Act 1993 to incorporate amendments made pursuant to sections 24B and 166A of that Act.

Dated at Wellington, [Date of Signing]

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(acting under delegated authority of the Director-General)

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Contents

Contents

Introduction

- Purpose
- Background
- Who should read this?
- Why is this important?
- Equivalence
- Document History
- Other Information

Part 1: General Requirements

- 1.1 Application
- 1.2 Incorporation by reference
- 1.3 Definitions
- 1.4 Inspection on arrival and maximum pest limit
- 1.5 Treatment of the consignment
- 1.6 Testing the consignment
- 1.7 Approval of offshore facilities
- 1.8 New Zealand plants for planting returning from overseas
- 1.9 Importing pollen
- 1.10 General requirements for whole plants and cuttings
- 1.11 General requirements for tissue cultures
- 1.12 General requirements for dormant bulbs

Part 2: Targeted requirements

- 2.1 Measures for *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand)
- 2.2 Measures for *Phellinus noxius*
- 2.3 Measures for *Phytophthora ramorum*
- 2.4 Measures for *Xylella fastidiosa*
- 2.5 Measures for phytoplasmas

Part 3: Specific requirements

- 3.1 Abies
- 3.2 Acacia Partially suspended
- 3.3 Acer
- 3.4 Acrocomia Partially suspended
- 3.5 Adenium
- 3.6 Aesculus Partially suspended
- 3.7 Allium
- 3.8 Alnus
- 3.9 Alocasia Partially suspended
- 3.10 Alstroemeria
- 3.11 Ananas Partially suspended
- 3.12 Andromeda Suspended
- 3.13 Anemone
- 3.14 Anthurium Partially suspended
- 3.15 Anubias Partially suspended

3.16	Araucaria	Partially suspended
3.17	Arbutus	Partially suspended
3.18	Aronia	Suspended
3.19	Artocarpus	Suspended
3.20	Arum	Partially suspended
3.21	Asparagus	Suspended
3.22	Aster	Partially suspended
3.23	Begonia	
3.24	Berberis	Partially suspended
3.25	Bidens	
3.26	Bowenia	Partially suspended
3.27	Brachyscome	
3.28	Caladium	
3.29	Calanthe	Partially suspended
3.30	Camellia	
3.31	Camellia sinensis	
3.32	Canna	
3.33	Carica	Suspended
3.34	Carpinus	Suspended
3.35	Carya	Suspended
3.36	Castanea	Partially suspended
3.37	Cedrus	Partially suspended
3.38	Chrysanthemum	Partially suspended
3.39	Chrysanthemum × morifolium	
3.40	Cichorium	
3.41	Clivia	Partially suspended
3.42	Coleonema	
3.43	Convallaria	
3.44	Corylus	
3.45	Cotoneaster	Suspended
3.46	Crataegus	Partially suspended
3.47	Crocsmia	Partially suspended
3.48	Crocus	
3.49	Crotalaria	Partially suspended
3.50	Cycas	Partially suspended
3.51	Cyclamen	
3.52	Dahlia	
3.53	Delphinium	Partially suspended
3.54	Dendrobium	
3.55	Dianthus	
3.56	Dianthus caryophyllus	
3.57	Diascia	
3.58	Dioscorea	Suspended
3.59	Diospyros	
3.60	Dracaena	
3.61	Echinacea	
3.62	Epipremnum	Partially suspended
3.63	Eriobotrya	Suspended
3.64	Eucalyptus	
3.65	Eugenia	Partially suspended

3.66	Eupatorium	
3.67	Euphorbia	
3.68	Eutrema	Suspended
3.69	Fagus	
3.70	Fagus sylvatica	
3.71	Ficus	
3.72	Fragaria	
3.73	Freesia	
3.74	Fuchsia	
3.75	Garcinia	
3.76	Gaultheria	Suspended
3.77	Gentiana	
3.78	Gerbera	
3.79	Gladiolus	
3.80	Glycyrrhiza	
3.81	Goodenia	
3.82	Gypsophila	
3.83	Helianthus	
3.84	Hibiscus	
3.85	Hippeastrum	
3.86	Hoya	
3.87	Hydrangea	Partially suspended
3.88	Hypericum	
3.89	Ipomoea batatas	
3.90	Iris	
3.91	Jasminum	
3.92	Juglans	Suspended
3.93	Juniperus	Partially suspended
3.94	Kalmia	
3.95	Lavandula	
3.96	Lespedeza	
3.97	Liatris	
3.98	Lilium	
3.99	Limonium	
3.100	Liriodendron	Partially suspended
3.101	Litchi	Suspended
3.102	Lithocarpus densiflorus	Suspended
3.103	Lophophora williamsii	Suspended
3.104	Malus	
3.105	Malva	
3.106	Mangifera	Suspended
3.107	Metrosideros	Partially suspended
3.108	Miscanthus × giganteus	
3.109	Monarda	
3.110	Musa	Suspended
3.111	Nandina	
3.112	Narcissus	
3.113	Nephelium lappaceum	
3.114	Olea	
3.115	Oxalis	

- 3.116 Paeonia (herbaceous species)
3.117 Paeonia (tree species)
3.118 Papaver somniferum **Suspended**
3.119 Paulownia
3.120 Pelargonium
3.121 Petunia
3.122 Phalaenopsis
3.123 Phlox
3.124 Phoenix **Partially suspended**
3.125 Phormium
3.126 Photinia
3.127 Planera
3.128 Platanus
3.129 Populus
3.130 Portulaca
3.131 Pseudotsuga **Suspended**
3.132 Pyrus **Suspended**
3.133 Quercus
3.134 Ranunculus
3.135 Rhododendron **Partially suspended**
3.136 Ribes **Suspended**
3.137 Rosa **Partially suspended**
3.138 Rubus
3.139 Salix
3.140 Salvia
3.141 Senecio
3.142 Solanum **Partially suspended**
3.143 Solanum tuberosum
3.144 Solidago
3.145 Spiraea **Suspended**
3.146 Teucrium
3.147 Thymus
3.148 Tricyrtis **Partially suspended**
3.149 Tritonia
3.150 Tulipa
3.151 Ulmus
3.152 Vaccinium
3.153 Vaccinium macrocarpon
3.154 Verbena
3.155 Veronica **Partially suspended**
3.156 Viburnum
3.157 Vitis
3.158 Wollemia nobilis
3.159 Yucca
3.160 Zantedeschia
3.161 Zingiber

Appendix 1: Definitions

Appendix 2: Amendment record

Appendix 3: Pesticide treatments for whole plants and cuttings

Insects

Mites (non-diapausing)

Appendix 4: Pesticide treatments for dormant bulbs

Insects

Mites

Nematodes

Fungi

Appendix 5: Pest lists

Allium regulated pests (actionable)

Fragaria regulated pests (actionable)

Hippeastrum regulated pests (actionable)

Iris regulated pests (actionable)

Lilium regulated pests (actionable)

Malus regulated pests (actionable)

Miscanthus × *giganteus* regulated pests (actionable)

Nephelium lappaceum regulated pests (actionable)

Olea regulated pests (actionable)

Rubus regulated pests (actionable)

Solanum tuberosum regulated pests (actionable)

Tulipa regulated pests (actionable)

Vaccinium regulated pests (actionable)

Vaccinium macrocarpon regulated pests (actionable)

Vitis regulated pests (actionable)

Wollemia nobilis regulated pests (actionable)

Zantedeschia regulated pests (actionable)

Appendix 6: Suspended pathways with import specification “L2 (Basic)”

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?

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: Amendment Record](#).

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.

Draft for
Consultation

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 import health standard development, please 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, please 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: <http://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, please contact the Department of Conservation (<http://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.
- (2) 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.
- (3) 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 MPI's website: <https://www.mpi.govt.nz/resources-and-forms/registers-and-lists/offshore/>

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.

Draft for
Consultation

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 MPI's website: <https://www.mpi.govt.nz/dmsdocument/36648-application-for-permit-to-import-nursery-stock-or-seed-for-sowing>
- 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.

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:
- The plants must be sprayed/dipped using two active ingredients belonging to different chemical groups chosen from the table below.
 - 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 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 PEQ.STD: [Post Entry Quarantine for Plants](#).
- (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](#).
- Facilities that are approved by MPI to provide post-entry quarantine for plants for planting are listed here: <https://www.mpi.govt.nz/resources-and-forms/registers-and-lists/peq-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 MPI’s website:
<https://www.mpi.govt.nz/dmsdocument/36648-application-for-permit-to-import-nursery-stock-or-seed-for-sowing>
- 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.

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 PEQ.STD: Post-entry quarantine for Plants](#).
- (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*](#).

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 MPI’s website: <https://www.mpi.govt.nz/dmsdocument/36648-application-for-permit-to-import-nursery-stock-or-seed-for-sowing>
- 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.

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 PEQ.STD: [Post Entry Quarantine for Plants](#).
- (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 is 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*](#).
- Facilities that are approved by MPI to provide post-entry quarantine for plants for planting are listed here: <https://www.mpi.govt.nz/resources-and-forms/registers-and-lists/peg-facilities-for-plants/>.

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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.
- A list of MPI-approved suppliers of identification services is available at <https://www.mpi.govt.nz/dmsdocument/1047-Pest-identification-service-suppliers>.

- (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.

Guidance

- A list of MPI-approved suppliers of identification services is available at <https://www.mpi.govt.nz/dmsdocument/1047-Pest-identification-service-suppliers>.

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.

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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 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 <https://www.mpi.govt.nz/dmsdocument/1047-Pest-identification-service-suppliers>.

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 <https://www.mpi.govt.nz/dmsdocument/1047-Pest-identification-service-suppliers>.

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* (2.6.4).

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.

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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.
- Please 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.

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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	<i>Bursaphelenchus</i> spp., <i>Lophodermium</i> spp., <i>Neonectria neomacrospora</i> , <i>Phytophthora capsici</i> , <i>Phytophthora ramorum</i> , 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
<i>Neonectria neomacrospora</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora ramorum</i>	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” <i>Suspended species: All species in the genera Commelina, Duranta, Hedera, Oenanthe, Parthenocissus, Portulacaria, Vinca.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved Countries	All
Quarantine Pests	<i>‘Candidatus Phytoplasma solani’</i> , <i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Phytophthora palmivora</i> , <i>Phytophthora ramorum</i> , tomato chlorotic dwarf viroid, <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> 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 phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.2.2
Tissue cultures	Option 1: All tissue cultures (except those of the species <i>Vinca minor</i> without a pest freedom additional declaration for tomato chlorotic dwarf virus) Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.2.3
	Option 2: Tissue cultures of the species <i>Vinca minor</i> 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 <i>Xylella fastidiosa</i> 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 phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus Phytoplasma solani</i> '	Species of the genera <i>Artemisia</i> and <i>Oenothera</i>	Refer to 2.5
<i>Ceratocystis fimbriata</i>	Species of the genera <i>Acacia</i> and <i>Passiflora</i>	Refer to 2.1
<i>Phellinus noxius</i>	<i>Artemisia capillaris</i> , <i>Artemisia princeps</i> , <i>Duranta repens</i> , <i>Nerium oleander</i> and all species of the genus <i>Acacia</i>	Refer to 2.2
<i>Phytophthora palmivora</i>	Species of the genera <i>Rosmarinus</i> and <i>Salvia</i>	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 <i>Phytophthora palmivora</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora palmivora</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora palmivora</i>"
<i>Phytophthora ramorum</i>	Species of the genera <i>Cornus</i> , <i>Hedera</i> and <i>Nerium</i>	Refer to 2.3
Tomato chlorotic dwarf viroid	<i>Vinca minor</i>	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
<i>Xylella fastidiosa</i>	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 phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus Phytoplasma solani</i> '	Species of the genera <i>Artemisia</i> and <i>Oenothera</i>	Refer to 2.5
<i>Ceratocystis fimbriata</i>	Species of the genera <i>Acacia</i> and <i>Passiflora</i>	Refer to 2.1
<i>Phytophthora capsici</i>	Species of the genus <i>Portulaca</i>	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 <i>Phytophthora capsici</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>"
<i>Phytophthora palmivora</i>	Species of the genus <i>Rosmarinus</i> and <i>Salvia</i>	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 <i>Phytophthora palmivora</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora palmivora</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora palmivora</i>"
<i>Phytophthora ramorum</i>	Species of the genera <i>Cornus</i> , <i>Hedera</i> and <i>Nerium</i>	Refer to 2.3
Tomato chlorotic dwarf viroid	<i>Vinca minor</i>	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
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus Phytoplasma solani</i> '	Species of the genera <i>Artemisia</i> and <i>Oenothera</i>	Refer to 2.5
Tomato chlorotic dwarf viroid	<i>Vinca minor</i>	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”
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	<i>Vinca minor</i>	Testing in PEQ using PCR-based methods

<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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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	<i>Cryphonectria parasitica</i> , <i>Phytophthora palmivora</i> , <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings with pest freedom additional declarations for <i>Cryphonectria parasitica</i> and <i>Phytophthora palmivora</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.3.1
	Option 2: Whole plants and cuttings without pest freedom additional declarations for <i>Cryphonectria parasitica</i> and <i>Phytophthora palmivora</i> 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 <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i>

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

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	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
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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

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]”
<i>Ceratocystis fimbriata</i>	All species of the <i>Metroxylon</i> genus	Refer to 2.1
<i>Phellinus noxius</i>	<i>Areca catechu</i> , <i>Areca triandra</i> , <i>Chrysalidocarpus lutescens</i> , <i>Coco nucifera</i> , <i>Elaeis guineensis</i> , <i>Roystonea regia</i>	Refer to 2.2
<i>Phytophthora palmivora</i>	Approved species of the genera <i>Archontophoenix</i> , <i>Areca</i> , <i>Bactris</i> , <i>Borassus</i> , <i>Chamaedorea</i> , <i>Chrysalidocarpus</i> , <i>Cocos</i> , <i>Elaeis</i> , <i>Howea</i> , <i>Livistona</i> , <i>Phoenix</i> , <i>Rhopalostylis</i> , <i>Sabal</i> , <i>Syagrus</i> , <i>Trachycarpus</i> , <i>Washingtonia</i>	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 <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
<i>Xylella fastidiosa</i>	Approved species of the <i>Phoenix</i> 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 <i>Xylella fastidiosa</i>

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]”
<i>Ceratocystis fimbriata</i>	All species of the <i>Metroxylon</i> genus	Refer to 2.1
<i>Phytophthora palmivora</i>	Approved species of the genera <i>Archontophoenix</i> , <i>Areca</i> , <i>Bactris</i> , <i>Borassus</i> , <i>Chamaedorea</i> , <i>Chrysalidocarpus</i> , <i>Cocos</i> , <i>Elaeis</i> , <i>Howea</i> , <i>Livistona</i> , <i>Phoenix</i> , <i>Rhopalostylis</i> , <i>Sabal</i> , <i>Syagrus</i> , <i>Trachycarpus</i> , <i>Washingtonia</i>	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 <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
<i>Xylella fastidiosa</i>	Approved species of the <i>Phoenix</i> 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 <i>Xylella fastidiosa</i>

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]”
<i>Xylella fastidiosa</i>	All species of the <i>Phoenix</i> 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	“ <i>Candidatus</i> 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
“ <i>Candidatus</i> 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
“ <i>Candidatus</i> 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” <i>Suspended species: All species in the genera Aesculus Calycanthus, Heteromeles, Lonicera, Pyracantha, Rhamnus, Rhus, Umbellularia.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Phellinus noxius</i> , <i>Phytophthora palmivora</i> , <i>Phytophthora ramorum</i> , tomato chlorotic dwarf viroid, <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phellinus noxius</i>	<i>Fraxinus griffithii</i> , <i>Rhus succedanea</i>	Refer to 2.2

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	Approved species of the genus <i>Syringa</i>	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 <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
Tomato chlorotic dwarf viroid	<i>Pittosporum tobira</i>	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 <i>Tomato chlorotic dwarf viroid</i> 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 <i>Tomato chlorotic dwarf viroid</i>” Option 2: Testing in PEQ Testing with PCR-based methods in PEQ.
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	Approved species of the genus <i>Syringa</i>	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 <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
Tomato chlorotic dwarf viroid	<i>Pittosporum tobira</i>	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 <i>Tomato chlorotic dwarf viroid</i> 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 <i>Tomato chlorotic dwarf viroid</i>” Option 2: Testing in PEQ Testing with PCR-based methods in PEQ.
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	<i>Pittosporum tobira</i>	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”
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>

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

3.7 Allium

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Allium”
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 <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i>
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 <i>Allium</i> 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: – <i>Xylella fastidiosa</i> (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 <i>Allium</i> tissue cultures in this consignment have been produced in a ‘pest free area’ (country freedom), free from regulated bacteria (<i>Xylella fastidiosa</i>), 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	i) Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken. ii) iii) The <i>Allium</i> 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 – <i>Burkholderia cepacia</i>, <i>Erwinia chrysanthemi</i> pv. <i>Chrysanthemi</i>, <i>Pseudomonas xanthochlora</i> and <i>Xylella fastidiosa</i> 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 <i>Allium</i> 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 (<i>Erwinia chrysanthemi</i> pv. <i>Chrysanthemi</i>, <i>Burkholderia cepacia</i> and <i>Pseudomonas xanthochlora</i>).”

Pest	Applies to	Condition
<i>Phytophthora capsici</i> and <i>Phytophthora palmivora</i>	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 <i>Phytophthora capsici</i> and <i>P. palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i> and <i>P. palmivora</i>”. OR “The [insert species name] plants in this consignment produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i> and <i>P. palmivora</i>”.
<i>Xylella fastidiosa</i>	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	<i>Phytophthora alni</i> , <i>Phytophthora alpina</i> , <i>Phytophthora debattistii</i> , <i>Phytophthora heteromorpha</i> , <i>Phytophthora pseudogregata</i> , <i>Phytophthora ramorum</i> , Phytoplasma 16SrV – D- “Flavescence dorée”, <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.8.2
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.8.3

3.8.1 Whole plants

- (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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Phytophthora alni</i> , <i>Phytophthora alpina</i> , <i>Phytophthora debattistii</i> , <i>Phytophthora heteromorpha</i> ,	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 <i>Phytophthora alni</i>, <i>Phytophthora alpina</i>, <i>Phytophthora debattistii</i>, <i>Phytophthora heteromorpha</i> and <i>Phytophthora pseudogregata</i>." OR

<i>and Phytophthora pseudogregata</i>		"The [insert species name] plants were produced in a 'pest free area' free from <i>Phytophthora alni</i>, <i>Phytophthora alpina</i>, <i>Phytophthora debattistii</i>, <i>Phytophthora heteromorpha</i> and <i>Phytophthora pseudogregata</i>." OR - The [insert species name] plants were produced in a 'pest free place of production' free from <i>Phytophthora alni</i>, <i>Phytophthora alni</i>, <i>Phytophthora alpina</i>, <i>Phytophthora debattistii</i>, <i>Phytophthora heteromorpha</i> and <i>Phytophthora pseudogregata</i>."
<i>Xylella fastidiosa</i>	All species	Refer to 2.4
Phytoplasma 16SrV – D- "Flavescence dorée"	All species	Refer to 2.5

3.8.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Phytophthora alni</i> , <i>Phytophthora alpina</i> , <i>Phytophthora debattistii</i> , <i>Phytophthora heteromorpha</i> , and <i>Phytophthora pseudogregata</i>	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 <i>Phytophthora alni</i>, <i>Phytophthora alpina</i>, <i>Phytophthora debattistii</i>, <i>Phytophthora heteromorpha</i> and <i>Phytophthora pseudogregata</i>." OR "The [insert species name] plants were produced in a 'pest free area' free from <i>Phytophthora alni</i>, <i>Phytophthora alpina</i>, <i>Phytophthora debattistii</i>, <i>Phytophthora heteromorpha</i> and <i>Phytophthora pseudogregata</i>." OR "The [insert species name] plants were produced in a 'pest free place of production' free from <i>Phytophthora alni</i>, <i>Phytophthora alni</i>, <i>Phytophthora alpina</i>, <i>Phytophthora debattistii</i>, <i>Phytophthora heteromorpha</i> and <i>Phytophthora pseudogregata</i>."
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

Phytoplasma 16SrV – D- “Flavescence dorée	All species	Refer to 2.5

3.8.3 Tissue cultures

- (5) General requirements for tissue cultures are set out in 1.11.
- (6) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4
Phytoplasma 16SrV – D- “Flavescence dorée	All species	Refer to 2.5

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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” <i>Suspended species: Ostrya carpinifolia and all species in the genera Ceratonia, Chimaphila, Corylopsis, Distylium, Empetrum, Gevuina, Manglietia, Schizolobium, Schotia, Styra, Zenobia.</i>
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All countries unless otherwise specified <i>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</i>
Quarantine pests	<i>Ceratocystis fimbriata, Phytophthora ramorum</i>
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

- (7) General requirements for whole plants and cuttings are set out in 1.10.
- (8) Specific requirements are detailed below.

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

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

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species of the genera <i>Betula</i> , <i>Buddleja</i> , <i>Ceratonia</i> , <i>Chimaphila</i> , <i>Choisya</i> , <i>Corylopsis</i> , <i>Distylium</i> , <i>Empetrum</i> , <i>Garrya</i> , <i>Gevuina</i> , <i>Manglietia</i> , <i>Tilia</i> , <i>Zenobia</i>	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
<i>Ceratocystis fimbriata</i>	All species of the genera <i>Alocasia</i> , <i>Betula</i> , <i>Protea</i> , <i>Schizolobium</i> , <i>Schotia</i> , <i>Spathodea</i> , <i>Styrax</i> , <i>Syngonium</i> , <i>Tilia</i> , <i>Xanthosoma</i> AND the species <i>Ostrya carpinifolia</i>	Refer to 2.1
<i>Phytophthora ramorum</i>	All species of the genera <i>Betula</i> , <i>Buddleja</i> , <i>Ceratonia</i> , <i>Chimaphila</i> , <i>Choisya</i> , <i>Corylopsis</i> , <i>Distylium</i> , <i>Empetrum</i> , <i>Garrya</i> , <i>Gevuina</i> , <i>Manglietia</i> , <i>Tilia</i> , <i>Zenobia</i>	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, “ <i>Candidatus Phytoplasma solani</i> ”, <i>Frankliniella occidentalis</i> , <i>Liriomyza</i> spp., <i>Phytoplasma 16Srl</i> – 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 produced under an MPI-approved propagation scheme or 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 3.10.3
	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 3.10.4

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
<i>Frankliniella occidentalis</i> and <i>Liriomyza</i>	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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16Srl – 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 <i>Broad bean wilt virus 2</i>.”
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5

3.10.3 Dormant bulbs option 1

- (1) This option applies to dormant bulbs produced under an MPI-approved propagation scheme or 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	One of the following additional declarations must be endorsed on the phytosanitary certificate: • For bulbs produced under an MPI-approved Dutch bulb propagation scheme: “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.” • For bulbs not produced under an MPI-approved bulb propagation scheme: “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
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5

3.10.4 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
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16Srl – 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	<i>Ceratocystis fimbriata</i> , <i>Dickeya zeae</i> , <i>Fusarium verticillioides</i> , <i>Pantoea ananatis</i> , <i>Phytophthora cinnamomi</i> (strains not in New Zealand), <i>Phytophthora megakarya</i> , <i>Phytophthora palmivora</i>
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
<i>Dickeya zaeae</i>, <i>Fusarium verticillioides</i>, <i>Pantoea ananatis</i>, <i>Phytophthora cinnamomi</i> and <i>Phytophthora megakarya</i>	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 <i>Dickeya zaeae</i>, <i>Fusarium verticillioides</i>, <i>Pantoea ananatis</i>, <i>Phytophthora cinnamomi</i>, and <i>Phytophthora megakarya</i> 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 <i>Dickeya zaeae</i>, <i>Fusarium verticillioides</i>, <i>Pantoea ananatis</i>, <i>Phytophthora cinnamomi</i>, and <i>Phytophthora megakarya</i>." 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 <i>Dickeya zaeae</i>, <i>Fusarium verticillioides</i>, <i>Pantoea ananatis</i>, <i>Phytophthora cinnamomi</i>, and <i>Phytophthora megakarya</i> 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	<i>Chrysomyxa ledi</i> , <i>Microsphaera</i> 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
<i>Chrysomyxa ledi</i> and <i>Microsphaera</i> spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Chrysomyxa ledi</i> and <i>Microsphaera</i> 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 <i>Chrysomyxa ledi</i> or <i>Microsphaera</i> 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 16Srl – aster yellows, 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 3.13.1
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 <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [host species being imported] in [country in which plants were grown]”.

Pest	Applies to	Condition
Phytoplasma 16Srl – aster yellows	Species of the genus <i>Anemone</i>	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 16Srl – aster yellows	Species of the genus <i>Anemone</i>	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 16Srl – aster yellows	Species of the genus <i>Anemone</i>	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 16Srl – aster yellows	Species of the genus <i>Anemone</i>	Refer to 2.5

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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 <i>Enkianthus</i> and <i>Linum</i> .
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Phytophthora capsici</i> , <i>Ralstonia pseudosolanacearum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Option 1.1: Whole plants and cuttings, except those of the genus <i>Anthurium</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.14.1
	Option 1.2: Whole plants and cuttings of the genus <i>Anthurium</i> with pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.14.1
	Option 2: Whole plants and cuttings of the genus <i>Anthurium</i> without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.14.2
Tissue cultures	Option 1.1: Tissue cultures, except those of the genus <i>Anthurium</i> Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.14.3
	Option 1.2: Tissue cultures of the genus <i>Anthurium</i> with pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.14.3
	Option 2: Tissue cultures of the genus <i>Anthurium</i> without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR • “the [insert plants name] in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Ralstonia pseudosolanacearum</i>	Species of the genus <i>Anthurium</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.
<i>Xylella fastidiosa</i>	Species of the genus <i>Ocimum</i>	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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	Species of the genus <i>Anthurium</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	Species of the genus <i>Anthurium</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.
<i>Xylella fastidiosa</i>	Species of the genus <i>Ocimum</i>	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 <i>Xylella fastidiosa</i>

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

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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” <i>Suspended species: All species in the genera Aponogeton, Barclaya, Isoetes, Nuphar.</i>
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” <i>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, Raphiolepis, Samanea, Stenocarpus, Tabebuia, Terminalia, Thevetia.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Ceratocystis fimbriata, Phellinus noxius, Phytophthora capsici, Phytophthora palmivora, Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.16.2
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	Species of the genus <i>Annona</i>	Refer to 2.1
<i>Phellinus noxius</i>	All species	Refer to 2.2

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	Species of the genus <i>Piper</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	All species of the following genera: <i>Aleurites</i> , <i>Anacardium</i> , <i>Annona</i> , <i>Azadirachta</i> , <i>Bougainvillea</i> , <i>Pachira</i> and <i>Piper</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	Species of the genus <i>Annona</i>	Refer to 2.3
<i>Xylella fastidiosa</i>	Species of the genus <i>Broussonetia</i>	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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	Species of the genus <i>Annona</i>	Refer to 2.1

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	Species of the genus <i>Piper</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	All species of the following genera: <i>Aleurites</i> , <i>Anacardium</i> , <i>Annona</i> , <i>Azadirachta</i> , <i>Bougainvillea</i> , <i>Pachira</i> and <i>Piper</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	Species of the genus <i>Annona</i>	Refer to 2.3
<i>Xylella fastidiosa</i>	Species of the genus <i>Broussonetia</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	Species of the genus <i>Broussonetia</i>	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” <i>Suspended species: All species in the genera Arbutus, Ardisia, Clintonia, Drimys, Dryopteris, Euonymus, Hamamelis, Leucothoe, Maianthemum, Parrotia, Schima, Smilacina, Torreya, Trientalis.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Phellinus noxius</i> , <i>Phytophthora palmivora</i> , <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.17.2
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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
<i>Phellinus noxius</i>	All species of the following genera: <i>Michelia compressa</i> , <i>Michelia figo</i> , <i>Osmanthus fragrans</i> , and approved species of the <i>Cinnamomum</i> genus	Refer to 2.2

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	Species of the genus <i>Magnolia</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Arbutus</i> , <i>Arctostaphylos</i> , <i>Cinnamomum</i> , <i>Laurus</i> , <i>Magnolia</i> , <i>Osmanthus</i> , <i>Pieris</i>	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
<i>Phytophthora palmivora</i>	Species of the genus <i>Magnolia</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Arbutus</i> , <i>Arctostaphylos</i> , <i>Cinnamomum</i> , <i>Laurus</i> , <i>Magnolia</i> , <i>Osmanthus</i> , <i>Pieris</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Arbutus</i> , <i>Arctostaphylos</i> , <i>Cinnamomum</i> , <i>Laurus</i> , <i>Magnolia</i> , <i>Osmanthus</i> , <i>Pieris</i>	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	<i>Gymnosporangium clavipes</i> , <i>Gymnosporangium globosum</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings with pest freedom additional declarations for <i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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 <i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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 <i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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 <i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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 *Gymnosporangium 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
<i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i>	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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 *Gymnosporangium 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 *Gymnosporangium 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
<i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i>	All species	The following additional declaration must be endorsed on the phytosanitary certificate “<i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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 *Gymnosporangium 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

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3.19 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	<i>Phellinus noxius</i>
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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3.20 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” <i>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.</i>
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 3.20.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.20.2
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 3.20.3
	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 3.20.4
	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 3.20.5

	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

3.20.1 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

3.20.2 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.”

3.20.3 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.”

3.20.4 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

3.20.5 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 from 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.”

3.21 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	<i>Puccinia asparagi</i> , virus diseases, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.21.1
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.21.2

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 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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	Required
Post-entry quarantine	PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.22 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 <i>Symphyotrichum</i> .
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 3.22.1
Tissue cultures	Import permit: Not required PEQ: Not required 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 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]”

3.22.2 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”.

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3.23 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 3.23.1
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 3.23.2
Dormant bulbs	Option 1: Dormant bulbs produced under an MPI-approved propagation scheme or 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 3.23.3
	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, 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 3.23.4
	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, 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 3.23.5

	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, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.23.6

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, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrIII - X-disease	Species of the genus <i>Begonia</i>	Refer to 2.5

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, 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 <i>Begonia</i>	Refer to 2.5

3.23.3 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) produced under an MPI-approved propagation scheme; or
 - b) 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	One of the following additional declarations must be endorsed on the phytosanitary certificate: For bulbs produced under an MPI-approved Dutch bulb propagation scheme: “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.” For bulbs not produced under an MPI-approved bulb propagation scheme: “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 <i>Begonia</i>	Refer to 2.5

3.23.4 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, 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 <i>Begonia</i>	Refer to 2.5

3.23.5 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
- with a growing season inspection; and
 - 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 <i>Begonia</i>	Refer to 2.5

3.23.6 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.
- (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 <i>Begonia</i>	Refer to 2.5

3.24 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 <i>Mahonia</i> .
Approved commodities	Whole plants (dormant) Cuttings (dormant)
Approved countries	All
Quarantine pests	<i>Phytophthora ramorum</i> , Uredinales, <i>Xylella fastidiosa</i>
Whole plants (dormant), Cuttings (dormant)	Import permit: Required PEQ: Level 2 Minimum Period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special Conditions: Refer to 3.24.1

3.24.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	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”
<i>Xylella fastidiosa</i>	All species of the <i>Berberis</i> genus	Refer to 2.4

3.25 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	<i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.25.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.25.2

3.25.1 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 <i>Xylella fastidiosa</i>
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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.25.2 Tissue cultures

- (1) General requirements for tissue cultures are set out in 1.11.
- (2) 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.26 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” <i>Suspended species: All species in the genera <i>Ceratozamia</i> and <i>Lepidozamia</i>.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All except Australia and Italy
Quarantine pests	<i>Demyrsus meleoides</i>
Whole plants, Cuttings (dormant)	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.26.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

3.26.1 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

3.27 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 16Srl – 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 3.27.1
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 3.27.2

3.27.1 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 16Srl – aster yellows	All species	Refer to 2.5

3.27.2 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 16Srl – aster yellows	All species	Refer to 2.5

3.28 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 3.28.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.28.2
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 3.28.3
	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 3.28.4
	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 3.28.5
	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

3.28.1 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: 6 months

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
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”

3.28.3 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.”

3.28.4 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

3.28.5 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:
- with a growing season inspection; and
 - 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.”

Consultation

3.29 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 <i>Grandiphyllum</i> , <i>Nohawilliamsia</i> , <i>Satyrium</i> , <i>Thelymitra</i> .
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Orchid fleck dichorhavirus</i> , <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , <i>Tetranychus kanzawai</i> , Uredinales
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 12 months Special conditions: Refer to 3.29.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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: 12 months

Pest	Applies to	Condition
<i>Orchid fleck dichorhavirus</i>	All species of the following genera: <i>Calanthe</i> , <i>Cattleya</i> , <i>Odontoglossum</i> , <i>Oncidium</i> , <i>Phaius</i> , <i>Schomburgkia</i> and <i>Stanhopea</i>	Growing season inspection in PEQ for symptom expression

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	All species of the <i>Vanilla</i> 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 <i>Phytophthora capsici</i>” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”
<i>Phytophthora palmivora</i>	All species of the <i>Epidendrum</i> and <i>Vanilla</i> 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 <i>Phytophthora palmivora</i>” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
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”

3.30 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	<i>Phellinus noxius</i> , <i>Phytophthora ramorum</i> , <i>Tetranychus kanzawai</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.30.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.30.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

3.30.1 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
<i>Phellinus noxius</i>	<i>Camellia japonica</i>	Refer to 2.2
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.30.2 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
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

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3.31 *Camellia sinensis*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Camellia sinensis</i> ”
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	<i>Exobasidium vexans</i> , <i>Phellinus noxius</i> , Phloem necrosis, <i>Phytophthora ramorum</i> , <i>Tetranychus kanzawai</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.31.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.31.2
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.31.3

3.31.1 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
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.31.2 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
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.31.3 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

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

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Consultation

3.32 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, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.32.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.32.2
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 3.32.3
	Option 2: Dormant bulbs from Australia and South Africa Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.32.4
	Option 3: Dormant bulbs with a growing season inspection and treated as per Appendix 4 from countries recognised as free from <i>Xylella fastidiosa</i> other than Australia and South Africa. Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.32.5
	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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.32.6

3.32.1 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.32.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.32.3 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.32.4 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.32.5 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.32.6 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.33 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, <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings with pest freedom additional declarations for papaya mosaic virus, papaya ringspot virus, <i>Phytophthora capsici</i> and <i>Phytophthora palmivora</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.33.1
	Option 2: All whole plants and cuttings Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.33.2
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 3.33.3
	Option 2: All tissue cultures Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.33.4

3.33.1 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]”
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.

3.33.2 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

3.33.3 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 <i>Papaya mosaic virus</i> and <i>Papaya ringspot virus</i>”.

3.33.4 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

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3.34 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	<i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants (dormant), Cuttings (dormant)	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.34.1

3.34.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	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

3.35 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	<i>Ceratocystis fimbriata</i> , <i>Fusicladium effusum</i> , Pecan bunch, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.35.1
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.35.2

3.35.1 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
<i>Ceratocystis fimbriata</i>	All species	Refer to 2.1
<i>Fusicladium effusum</i> , Pecan bunch	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Fusicladium effusum</i> and Pecan bunch are not known to occur in [the country or state where the plants were grown]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.35.2 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
<i>Fusicladium effusum</i> , Pecan bunch	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Fusicladium effusum</i> and Pecan bunch are not known to occur in [the country or state where the plants were grown]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.36 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 <i>Castanopsis</i> .
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	<i>Ceratocystis fagacearum</i> , <i>Conotrachelus carinife</i> , <i>Cryphonectria parasitica</i> , <i>Curculio</i> spp., <i>Dryocosmus kuriphilus</i> , <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants (dormant), Cuttings (dormant)	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.36.1
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.36.2

3.36.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fagacearum</i> , <i>Cryphonectria parasitica</i>	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Cryphonectria parasitica</i> and <i>Ceratocystis fagacearum</i> 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 <i>Cryphonectria parasitica</i> or <i>Ceratocystis fagacearum</i> was detected”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

<i>Xylella fastidiosa</i>	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 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fagacearum</i> , <i>Cryphonectria parasitica</i>	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Cryphonectria parasitica</i> and <i>Ceratocystis fagacearum</i> 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 <i>Cryphonectria parasitica</i> or <i>Ceratocystis fagacearum</i> was detected.”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.37 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” <i>Suspended species: All species in the genera Chamaecyparis, Fitzroya, Libocedrus, Pilgerodendron, Pseudolarix, Tsuga.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Bursaphelenchus</i> spp., <i>Lecanosticta acicola</i> , <i>Lophodermium</i> spp., <i>Neonectria neomacrospora</i> , <i>Phellinus noxius</i> , <i>Phytophthora austrocedri</i> (<i>P. austrocedrae</i>), <i>Phytophthora ramorum</i> , <i>Sirococcus tsugae</i> , Uredinales
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.37.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.37.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.37.3

3.37.1 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
<i>Lecanosticta acicola</i>	All species of the genus <i>Cedrus</i>	Option 1: Additional declaration One of 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 <i>Lecanosticta acicola</i>”. 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 <i>Lecanosticta acicola</i>”. Option 2: Testing in PEQ Testing in PEQ using PCR-based methods

Pest	Applies to	Condition
<i>Neonectria neomacrospora</i>	All species in the genus <i>Picea</i>	Growing season inspection in PEQ for symptom expression
<i>Phellinus noxius</i>	<i>Chamaecyparis formosensis</i> , <i>Cupressus lusitanica</i>	Refer to 2.2
<i>Phytophthora austrocedri</i> (<i>P. austrocedrae</i>)	All species of the genus <i>Cupressus</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora ramorum</i>	All species of the genera <i>Chamaecyparis</i> , <i>Larix</i> , <i>Picea</i> and <i>Tsuga</i>	Refer to 2.3
<i>Sirococcus tsugae</i>	All species of the genus <i>Cedrus</i>	Growing season inspection in PEQ for symptom expression

3.37.2 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
<i>Lecanosticta acicola</i>	All species of the genus <i>Cedrus</i>	Option 1: Additional declaration One of 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 <i>Lecanosticta acicola</i>”. 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 <i>Lecanosticta acicola</i>”. Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Neonectria neomacrospora</i>	All species in the genus <i>Picea</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora austrocedri</i> (<i>P. austrocedrae</i>)	All species of the genus <i>Cupressus</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora ramorum</i>	All species of the genera <i>Chamaecyparis</i> , <i>Larix</i> , <i>Picea</i> and <i>Tsuga</i>	Refer to 2.3
<i>Sirococcus tsugae</i>	All species of the genus <i>Cedrus</i>	Growing season inspection in PEQ for symptom expression

3.37.3 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

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3.38 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 <i>Glebionis</i> .
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, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.38.1
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 <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.38.2
	Option 2: All tissue cultures Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.38.3

3.38.1 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 <i>Xylella fastidiosa</i>

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

Pest	Applies to	Condition
		“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 of genus <i>Coleosporium</i> and <i>Cronartium</i> are not known to occur on [the host species being imported] in [the country in which the plants were grown]”.
<i>Xylella fastidiosa</i>	All species of the <i>Argyranthemum</i> and <i>Chrysanthemum</i> genera	Refer to 2.4

3.38.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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”.
<i>Xylella fastidiosa</i>	All species of the <i>Argyranthemum</i> and <i>Chrysanthemum</i> genera	Refer to 2.4

3.38.3 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 <i>Xylella fastidiosa</i>

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

Draft for
Consultation

3.39 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	“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma solani”, <i>Frankliniella occidentalis</i> , <i>Liriomyza</i> spp., Phytoplasma 16Srl – aster yellows, Phytoplasma 16SrlI – peanut witches’ broom, potato spindle tuber viroid, virus diseases, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> 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 phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> 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 phytoplasmas or <i>Xylella fastidiosa</i> 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 specified by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Frankliniella occidentalis</i> , <i>Liriomyza</i> 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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum", " <i>Candidatus</i> Phytoplasma solani", Phytoplasma 16Srl – 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.39.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum", " <i>Candidatus</i> Phytoplasma solani", Phytoplasma 16Srl – 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”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.39.3 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma solani”, Phytoplasma 16Srl – 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”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.40 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	<i>'Candidatus Phytoplasma solani'</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>phytoplasmas</i> or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.40.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>phytoplasmas</i> or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.40.2

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 required by measures for <i>phytoplasmas</i> or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>'Candidatus Phytoplasma solani'</i>	Species of the genus <i>Cichorium</i>	Refer to 2.5
<i>Xylella fastidiosa</i>	All species of the <i>Gazania</i> and <i>Santolina</i> genera	Refer to 2.4

3.40.2 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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>phytoplasmas</i> or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>'Candidatus Phytoplasma solani'</i>	Species of the genus <i>Cichorium</i>	Refer to 2.5

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the <i>Gazania</i> and <i>Santolina</i> genera	Refer to 2.4

Draft for
Consultation

3.41 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 <i>Paris</i> .
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Virus diseases, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.41.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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: 6 months

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the <i>Agapanthus</i> genus	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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”.
<i>Xylella fastidiosa</i>	All species of the <i>Agapanthus</i> genus	Refer to 2.4

3.42 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	<i>Xylella fastidiosa</i>
Transitional period	Consignments with a phytosanitary certificate issued on or before 8 September 2025 do not need to meet the requirements for <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.42.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.43 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	<i>Pratylenchus convallariae</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.43.1

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

Pest	Applies to	Condition
<i>Pratylenchus convallariae</i>	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Pratylenchus convallariae</i> is not known to occur in [the country or state where the plants were grown]”.

3.44 Corylus

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Corylus</i> ”
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Anisogramma anomala</i> , <i>Monilinia fructigena</i> , <i>Phytophthora ramorum</i> , <i>Phytoplasma 16SrV – D- “Flavescence dorée”</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.44.1
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 3.44.2

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 3B Minimum period: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
<i>Phytoplasma 16SrV – D- “Flavescence dorée”</i>	Species of the genus <i>Corylus</i>	Refer to 2.5
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.44.2 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 phytoplasmas

Pest	Applies to	Condition
Phytoplasma 16SrV – D- “Flavescence dorée	Species of the genus <i>Corylus</i>	Refer to 2.5

Draft for
Consultation

3.45 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	<i>Gymnosporangium</i> spp., <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.45.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>
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
<i>Gymnosporangium</i> spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Gymnosporangium</i> 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”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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	Not required, unless required by measures for <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

Draft for
Consultation

3.46 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 <i>Amelanchier</i> , <i>Crataegus</i> , <i>Mespilus</i> , <i>Sorbus</i> .
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	<i>Gymnosporangium clavipes</i> , <i>Gymnosporangium globosum</i> , <i>Phellinus noxius</i> , <i>Phytophthora capsici</i>
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 3.46.1
	Option 2: Whole plants without pest freedom additional declarations Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.46.2
Cuttings	Option 1: Cuttings with pest freedom additional declarations Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.46.3
	Option 2: Cuttings without pest freedom additional declarations Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.46.4
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.46.5

3.46.1 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
<i>Gymnosporangium clavipes</i> , <i>Gymnosporangium globosum</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: “<i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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”
<i>Phellinus noxius</i>	All species of the <i>Crataegus</i> genus	Refer to 2.2
<i>Phytophthora capsici</i>	All species of the <i>Crataegus</i> 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 <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a pest free place of production’ for <i>Phytophthora capsici</i>”

3.46.2 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
<i>Phellinus noxius</i>	All species of the <i>Crataegus</i> genus	Refer to 2.2

3.46.3 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
<i>Gymnosporangium clavipes</i> , <i>Gymnosporangium globosum</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: “<i>Gymnosporangium clavipes</i> and <i>Gymnosporangium globosum</i> 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”
<i>Phytophthora capsici</i>	All species of the <i>Crataegus</i> 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 <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a pest free place of production’ for <i>Phytophthora capsici</i>”

3.46.4 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

3.46.5 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

3.47 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 <i>Alophia</i> and <i>Crocosmia</i> .
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	<i>Frankliniella occidentalis</i> , virus diseases
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.47.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.47.2
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 3.47.3
	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 3.47.4
	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 3.47.5
	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

3.47.1 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

3.47.2 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."

3.47.3 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."

3.47.4 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

3.47.5 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.”

Consultation

3.48 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	<i>Frankliniella occidentalis</i> , 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 produced under an MPI-approved propagation scheme or 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 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.”

3.48.3 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) produced under an MPI-approved propagation scheme; or
 - b) 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	One of the following additional declarations must be endorsed on this phytosanitary certificate: For bulbs produced under an MPI-approved Dutch bulbs propagation scheme: • “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.” For bulbs NOT produced under an MPI-approved bulb propagation scheme: • “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 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."

3.49 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 16Srl – 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 3.49.1
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 3.49.2

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: 3 months, or 6 months if required by measures for phytoplasmas

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

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

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

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3.50 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” <i>Suspended species: All species in the genera Cycas, Dioon, Macrozamia, Stangeria, Zamia.</i>
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	<i>Aulacaspis yasumatsui</i> , <i>Demysus meleoides</i> , <i>Phellinus noxius</i> , Phytoplasma 16SrII – peanut witches’ broom
Cuttings (dormant)	Import permit: Required PEQ: Level 2 Minimum period: 6 months 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 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
<i>Aulacaspis yasumatsui</i>	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 <i>Aulacaspis yasumatsui</i>.”
Phytoplasma 16SrII – peanut witches’ broom	Species of the genus <i>Zamia</i>	Refer to 2.5

3.50.2 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 <i>Zamia</i>	Refer to 2.5

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3.51 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	“ <i>Candidatus</i> Phytoplasma solani”, <i>Tetranychus kanzawai</i>
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 3.51.1
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 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
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.51.2 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
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.52 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	“ <i>Candidatus Phytoplasma mali</i> ”, <i>Phymatotrichopsis omnivora</i> , <i>Phytophthora capsici</i> , potato spindle tuber viroid, <i>Tetranychus kanzawai</i> , 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 3.52.1
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 3.52.2
	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 3.52.3
	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 3.52.4
	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 3.52.5
Dormant bulbs	Option 1: Dormant bulbs produced under an MPI-approved propagation scheme or 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 3.52.6

	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, 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 3.52.7
	Option 3: Dormant bulbs from the United States of America with a pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> Import permit: Not required, unless required by measures for phytoplasmas PEQ: Not required, unless required by measures for phytoplasmas Special conditions: Refer to 3.52.8
	Option 4: Dormant bulbs from the United States of America with a pest free place of production additional declaration for <i>Phymatotrichopsis omnivora</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.52.9
	Option 5: Dormant bulbs with a pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> 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 3.52.10
	Option 6: Dormant bulbs with a pest free place of production additional declaration for <i>Phymatotrichopsis omnivora</i> 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 3.52.11

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
" <i>Candidatus Phytoplasma mali</i> "	All species	Refer to 2.5
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>." OR "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>." OR "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>."
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 <i>Dahlia</i> in [the country in which the plants were grown]."

3.52.2 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
" <i>Candidatus Phytoplasma mali</i> "	All species	Refer to 2.5

Pest	Applies to	Condition
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.”

3.52.3 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
“ <i>Candidatus</i> 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.”

3.52.4 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
" <i>Candidatus Phytoplasma mali</i> "	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."

3.52.5 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
" <i>Candidatus Phytoplasma mali</i> "	All species	Refer to 2.5
Potato spindle tuber viroid	All species	Testing in PEQ using PCR based methods

3.52.6 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, and United Kingdom:
 - a) produced under an MPI-approved propagation scheme; or
 - b) 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	One of the following additional declarations must be endorsed on the phytosanitary certificate: For bulbs produced under an MPI-approved Dutch bulb propagation scheme:

	• “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.” For bulbs NOT produced under an MPI-approved bulb propagation scheme: • “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
“ <i>Candidatus Phytoplasma mali</i> ”	All species	Refer to 2.5
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
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.”

3.52.7 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.
- (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
“ <i>Candidatus Phytoplasma mali</i> ”	All species	Refer to 2.5

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
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.”

3.52.8 Dormant bulbs option 3

- (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
“ <i>Candidatus Phytoplasma mali</i> ”	All species	Refer to 2.5
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”.

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
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.”

3.52.9 Dormant bulbs option 4

- (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
“ <i>Candidatus Phytoplasma mali</i> ”	All species	Refer to 2.5

Pest	Applies to	Condition
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>.” 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.
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
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.”

3.52.10 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 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 and described in Appendix 4 within 7 days prior to freezing, cold storage or shipment’

Pest	Applies to	Condition
“ <i>Candidatus Phytoplasma mali</i> ”	All species	Refer to 2.5
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”.
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
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.”

3.52.11 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 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 and described in Appendix 4 within 7 days prior to freezing, cold storage or shipment’

Pest	Applies to	Condition
“ <i>Candidatus Phytoplasma mali</i> ”	All species	Refer to 2.5
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>.” 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.
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
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 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” <i>Suspended species: All species in the genera Adenophora, Amsonia, Barleria, Codonopsis, Convolvulus, Doronicum, Erigeron, Exacum, Grindelia, Inula, Jacquemontia, Jasione, Kleinia, Lycopodium, Myrica, Oldenlandia, Pedicularis, Perezia, Phyteuma, Ruellia, Saussurea, Serratula.</i>
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	<i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , <i>Phytophthora ramorum</i> , Phytoplasma 16Srl – aster yellows, Phytoplasma 16SrlII – X-disease, Uredinales, <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.53.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.53.2
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.53.3

3.53.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	Species of the genus <i>Erythrina</i>	Refer to 2.1

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

3.53.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	Species of the genus <i>Erythrina</i>	Refer to 2.1
<i>Phytophthora capsici</i>	Species of the genus <i>Carolinianum</i>	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 <i>Phytophthora capsici</i>” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”
<i>Phytophthora palmivora</i>	Species of the genus <i>Erythrina</i>	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 <i>Phytophthora palmivora</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”
<i>Phytophthora ramorum</i>	Species of the genus <i>Clematis</i>	Refer to 2.3
Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrIII – X-disease	Species of the genus <i>Delphinium</i>	Refer to 2.5

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Clematis</i> , <i>Convolvulus</i> , <i>Crepis</i> , <i>Erigeron</i> , <i>Euryops</i> , <i>Geranium</i> , <i>Impatiens</i> , <i>Kleinia</i> (except <i>K. articulata</i> and <i>K. obesa</i>) <i>Phyllanthus</i>	Refer to 2.4
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “Rust diseases of the genus <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [the host species being imported] in [the country in which the plants were grown].”

3.53.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Phytoplasma 16Srl – aster yellows and Phytoplasma 16SrIII – X-disease	Species of the genus <i>Delphinium</i>	Refer to 2.5
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Clematis</i> , <i>Convolvulus</i> , <i>Crepis</i> , <i>Erigeron</i> , <i>Euryops</i> , <i>Geranium</i> , <i>Impatiens</i> , <i>Phyllanthus</i>	Refer to 2.4

3.54 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, <i>Phytophthora palmivora</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.54.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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

Pest	Applies to	Condition
Orchid fleck dichorhavirus	All species	Growing season inspection in post-entry quarantine for symptom expression
<i>Phytophthora palmivora</i>	All species of the <i>Cymbidium</i> 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 <i>Phytophthora palmivora</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”

3.55 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	“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma solani”, <i>Frankliniella occidentalis</i> , <i>Liriomyza</i> spp., <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , 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 3.55.1
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 3.55.2

3.55.1 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
“ <i>Candidatus</i> Phytoplasma australasiaticum” and “ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5
<i>Frankliniella occidentalis</i> and <i>Liriomyza</i> 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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”
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.”

3.55.2 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
“ <i>Candidatus</i> Phytoplasma australasiaticum” and “ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.56 *Dianthus caryophyllus*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Dianthus caryophyllus</i> ”
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Frankliniella occidentalis</i> , <i>Liriomyza</i> spp., <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , 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 3.56.1
	Option 2: Whole plants from the Netherlands Import permit: Required PEQ: Level 2 Minimum period: 4 weeks Special conditions: Refer to 3.56.2
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.56.3
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 3.56.4

3.56.1 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
<i>Frankliniella occidentalis</i> , <i>Liriomyza</i> 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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”
Phytoplasma 16SrXII – “stolbur	All species	Refer to 2.5

3.56.2 Whole plants option 2

- (1) This option applies to whole plants from the Netherlands 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/m³ for 4 hours at 15 °C and packed so that re-infestation with insects cannot occur.”

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”

3.56.3 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
<i>Frankliniella occidentalis</i> , <i>Liriomyza</i> 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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”
Phytoplasma 16SrXII – “stolbur	All species	Refer to 2.5

3.56.4 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

3.57 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 3.57.1
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 3.57.2
	Option 2: All tissue cultures Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.57.3

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

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

3.57.2 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.”

3.57.3 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

3.58 Dioscorea

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Dioscorea” Suspended species: All
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	<i>Phymatotrichopsis omnivora</i> , virus diseases
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.58.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.58.2
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 3.58.3
	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 3.58.4
	Option 3: Dormant bulbs with pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> from the United States of America Import permit: Not required PEQ: Not required Special conditions: Refer to 3.58.5
	Option 4: Dormant bulbs with pest free place of production additional declaration for <i>Phymatotrichopsis omnivora</i> from the United States of America Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.58.6

	Option 5: Dormant bulbs with pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> 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 3.58.7
	Option 6: Dormant bulbs with pest free place of production additional declaration for <i>Phymatotrichopsis omnivora</i> 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 3.58.8

3.58.1 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

3.58.2 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.”

3.58.3 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.”

3.58.4 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

3.58.5 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 *Phymatotrachopsis 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
<i>Phymatotrachopsis omnivora</i>	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 <i>Phymatotrachopsis omnivora</i>”.

3.58.6 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	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
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>.”

3.58.7 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 and described in Appendix 4 within 7 days prior to freezing, cold storage or shipment"

Pest	Applies to	Condition
<i>Phymatotrachopsis omnivora</i>	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 <i>Phymatotrachopsis omnivora</i>".

3.58.8 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 *Phymatotrachopsis 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
<i>Phymatotrachopsis omnivora</i>	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 <i>Phymatotrachopsis omnivora</i>."

3.59 Diospyros

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Diospyros”
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Cephalosporium diospyri</i> , <i>Phellinus noxius</i> , <i>Phytophthora capsici</i> , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.59.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.59.2
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.59.3

3.59.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR

Pest	Applies to	Condition
		“The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.59.2 Cuttings

- General requirements for cuttings are set out in 1.10.
- 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.59.3 Tissue cultures

- General requirements for tissue cultures are set out in 1.11.
- 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.60 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	<i>Chrysomphalus aonidum</i> , <i>Pantoea ananatis</i> , <i>Phytophthora palmivora</i> , <i>Xyleborus</i> spp. (except <i>Xyleborus compressus</i> , <i>Xyleborus saxeseni</i> , <i>Xyleborus truncatus</i>)
Whole plants, Non-dormant cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.60.1
Dormant cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.60.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11.

3.60.1 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
<i>Chrysomphalus aonidum</i>	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 <i>Chrysomphalus aonidum</i>” OR • “The Dracaena cuttings/plants [choose one] in this consignment have been inspected in accordance with appropriate official procedures and found free of <i>Chrysomphalus aonidum</i>”

Pest	Applies to	Condition
<i>Pantoea ananatis</i>	All <i>Dracaena</i> species	- If plants exhibit any symptoms that may be indicative of infection with <i>Pantoea ananatis</i>, samples must be collected and submitted for diagnostic testing. - If any plants are identified as being infected with <i>Pantoea ananatis</i>, the whole consignment must be either reshipped or destroyed, at the expense of the importer.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>". OR "The [insert species name] plants in this consignment were produced in 'pest free area' for <i>Phytophthora palmivora</i>". OR "The [insert species name] plants in this consignment were produced in 'pest free place of production' for <i>Phytophthora palmivora</i>".
<i>Xyleborus</i> spp. (except <i>Xyleborus compressus</i> , <i>Xyleborus saxeseni</i> , <i>Xyleborus truncatus</i>)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: "The <i>Dracaena</i> [cutting/plants] in this consignment have been produced in a 'pest free area' or 'pest free place of production', free from <i>Xyleborus</i> spp. (except <i>Xyleborus compressus</i>, <i>Xyleborus saxeseni</i>, <i>Xyleborus truncatus</i>)".

3.60.2 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
<i>Chrysomphalus aonidum</i>	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 <i>Chrysomphalus aonidum</i>” OR “The Dracaena cuttings [choose one] in this consignment have been inspected in accordance with appropriate official procedures and found free of <i>Chrysomphalus aonidum</i>”
<i>Pantoea ananatis</i>	All species	- If plants exhibit any symptoms that may be indicative of infection with <i>Pantoea ananatis</i>, samples must be collected and submitted for diagnostic testing. - If any plants are identified as being infected with <i>Pantoea ananatis</i>, the whole consignment must be either reshipped or destroyed, at the expense of the importer.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] cuttings in this consignment were produced in ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] cuttings in this consignment were produced in ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Xyleborus</i> spp. (except <i>Xyleborus compressus</i> , <i>Xyleborus saxeseni</i> , <i>Xyleborus truncatus</i>)	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 <i>Xyleborus</i> spp. (except <i>Xyleborus compressus</i>, <i>Xyleborus saxeseni</i>, <i>Xyleborus truncatus</i>)”.

3.61 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	“ <i>Candidatus</i> 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 3.61.1
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 3.61.2

3.61.1 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
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.61.2 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
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.62 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 <i>Achras</i>, <i>Annona</i>, <i>Brachychiton</i>, <i>Bryophyllum</i>, <i>Durio</i>, <i>Manilkara</i>, <i>Mimusops</i>, <i>Pogostemon</i>, <i>Quisqualis</i>, <i>Sandoricum</i>, <i>Tamarindus</i>, <i>Tecomaria</i>.
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All countries unless otherwise specified Suspended species: all species of the genus <i>Colocasia</i> imported from Cameroon, Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Indonesia, Nigeria, São Tomé and Príncipe, Togo
Quarantine pests	<i>Ceratocystis fimbriata</i>, <i>Phytophthora capsici</i>, <i>Phytophthora palmivora</i>, <i>Ralstonia pseudosolanacearum</i>, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Option 1: All whole plants and cuttings (except those of the genus <i>Epipremnum</i> without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i>) Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.62.1
	Option 2: Whole plants and cuttings of the genus <i>Epipremnum</i> without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.62.2
Tissue cultures	Option 1: All tissue cultures (except those of the genus <i>Epipremnum</i> without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i>) Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.62.3
	Option 2: Tissue cultures of the genus <i>Epipremnum</i> without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.62.4

3.62.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the following genera: <i>Annona</i> <i>Colocasia</i> <i>Punica</i>	Refer to 2.1
<i>Phytophthora capsici</i>	All species of the following genera: <i>Epipremnum</i> , <i>Macadamia</i> , <i>Philodendron</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	Species of the genus <i>Annona</i>	Refer to 2.3

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	All species of the <i>Epipremnum</i> 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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>” 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 <i>Ralstonia pseudosolanacearum</i>”.
<i>Xylella fastidiosa</i>	All species of the <i>Clianthus</i> and <i>Macadamia</i> genera	Refer to 2.4

3.62.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	All species of the <i>Epipremnum</i> 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 <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Ralstonia pseudosolanacearum</i>	All species of the <i>Epipremnum</i> genus	Growing season inspection in PEQ for symptom expression AND • Plating on selective media OR • PCR

3.62.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	All species of the <i>Epipremnum</i> 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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>” For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted:

Pest	Applies to	Condition
		“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 <i>Ralstonia pseudosolanacearum</i>”.
<i>Xylella fastidiosa</i>	All species of the <i>Clanthus</i> and <i>Macadamia</i> genera	Refer to 2.4

3.62.4 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	All species of the <i>Epipremnum</i> genus	Growing season inspection in PEQ for symptom expression AND - Plating on selective media OR - PCR

3.63 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	<i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Pseudomonas syringae</i> pv. <i>eribotryae</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.63.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.63.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

3.63.1 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Eriobotrya</i> genus	Refer to 2.1
<i>Phellinus noxius</i>	<i>Eriobotrya japonica</i>	Refer to 2.2
<i>Pseudomonas syringae</i> pv. <i>eribotryae</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “<i>Pseudomonas syringae</i> pv. <i>eribotryae</i> 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 <i>Pseudomonas syringae</i> pv. <i>eribotryae</i> and none has been detected.”

3.63.2 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Eriobotrya</i> genus	Refer to 2.1
<i>Pseudomonas syringae</i> pv. <i>eriobotryae</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “<i>Pseudomonas syringae</i> pv. <i>eriobotryae</i> 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 <i>Pseudomonas syringae</i> pv. <i>eriobotryae</i> and none has been detected.”

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3.64 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	<i>Ceratocysits fimbriata</i> , <i>Chrysoporthe austroafricana</i> , <i>Chrysoporthe cubensis</i> , <i>Diaporthe malorum</i> , <i>Endothia havanensis</i> , <i>Mycosphaerella parva</i> , <i>Phellinus noxius</i> , <i>Phytophthora boodjera</i> , <i>Phytophthora ramorum</i> , <i>Puccinia psidii</i> sensu lato (s.l) complex (including <i>Uredo rangelii</i>), <i>Quambalaria eucalypti</i> , <i>Teratosphaeria gauchensis</i> , <i>Teratosphaeria zuluensis</i> , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.64.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.64.2
Tissue cultures	Option 1: Tissue cultures with pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangelii</i>) Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.64.3
	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 <i>Xylella fastidiosa</i> Minimum period: 4 weeks, then 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.64.4

3.64.1 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Corymbia</i> and <i>Eucalyptus</i> genera.	Refer to 2.1
<i>Chrysoporthe austroafricana</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Diaporthe malorum</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Phytophthora boodjera</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Quambalaria eucalypti</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>	All species of the genus <i>Eucalyptus</i>	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 <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR • “The [insert species name] plants were produced in a ‘pest free place of production’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.64.2 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Corymbia</i> and <i>Eucalyptus</i> genera.	Refer to 2.1
<i>Chrysosporthe austroafricana</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Diaporthe malorum</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora boodjera</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Quambalaria eucalypti</i>	All species of the genus <i>Eucalyptus</i>	Growing season inspection in PEQ for symptom expression
<i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>	All species of the genus <i>Eucalyptus</i>	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 <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR • “The [insert species name] plants were produced in a ‘pest free place of production’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.64.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Puccinia psidii</i> 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 <u>Identification of organisms</u>. AND One of the following additional declarations must be endorsed on the phytosanitary certificate: • “<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>) 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).”
<i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>	<i>Eucalyptus</i>	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 <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR “The [insert species name] plants were produced in a ‘pest free place of production’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.64.4 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 <i>Xylella fastidiosa</i> Minimum period: 4 weeks, then 6 months if required by measures for <i>Xylella fastidiosa</i>

- (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
<i>Puccinia psidii</i> s.l. complex	All species	Inspection in tissue culture laboratory PEQ.
<i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>	<i>Eucalyptus</i>	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 <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”. OR “The [insert species name] plants were produced in a ‘pest free place of production’ free from <i>Teratosphaeria gauchensis</i> and <i>Teratosphaeria zuluensis</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.65 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 <i>Eugenia</i> .
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	<i>Phellinus noxius</i> , <i>Phytophthora palmivora</i> , <i>Puccinia psidii</i> sensu lato (s.l.) complex (including <i>Uredo rangeli</i>), <i>Xylella fastidiosa</i>
Whole plants	Option 1: Whole plants with a pest freedom additional declaration for <i>Phytophthora palmivora</i> Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.65.1
	Option 2: Whole plants without a pest freedom additional declaration for <i>Phytophthora palmivora</i> Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.65.2
Cuttings	Option 1: Cuttings with a pest freedom additional declaration for <i>Phytophthora palmivora</i> Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.65.3
	Option 2: Cuttings without a pest freedom additional declaration for <i>Phytophthora palmivora</i> Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.65.4
Tissue cultures	Option 1: Tissue cultures with a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.65.5

	Option 2: Tissue cultures without a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Required PEQ: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 greenhouse if required by measures for <i>Xylella fastidiosa</i> Minimum period: 4 weeks, then 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.65.6

3.65.1 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
<i>Phellinus noxius</i>	<i>Syzygium samarangense</i>	Refer to 2.2
<i>Phytophthora palmivora</i>	All species of the <i>Syzygium</i> 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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Puccinia psidii</i> s.l complex	All species	The following additional declaration must be endorsed on the phytosanitary certificate: • “<i>Puccinia psidii</i> s.l complex (including <i>Uredo rangeli</i>) is not known to occur in [the country of origin].”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.65.2 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
<i>Phellinus noxius</i>	<i>Syzygium samarangense</i>	Refer to 2.2
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.65.3 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
<i>Phytophthora palmivora</i>	All species of the <i>Syzygium</i> 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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Puccinia psidii</i> s.l complex	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Puccinia psidii</i> s.l complex (including <i>Uredo rangeli</i>) is not known to occur in [the country of origin].”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.65.4 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.65.5 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 rangeli*).
- (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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Puccinia psidii</i> s.l complex	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Puccinia psidii</i> s.l complex (including <i>Uredo rangeli</i>) 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).”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.65.6 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 rangeli*).
- (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 <i>Xylella fastidiosa</i> Minimum period: 4 weeks, then 6 months if required by measures for <i>Xylella fastidiosa</i>

- (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
<i>Puccinia psidii</i> s.l. complex	All species	Inspection in tissue culture laboratory PEQ.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.66 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, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.66.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.66.2

3.66.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “Rust diseases of genus <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [host species being imported] in [the country in which the plants were grown].”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.66.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.67 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	“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma australiense” (strains not in New Zealand), <i>Phytophthora palmivora</i> , Phytoplasma 16SrII – peanut witches’ broom, Phytoplasma 16SrIII – X-disease, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.67.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.67.2

3.67.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma australiense” (strains not in New Zealand), Phytoplasma 16SrII – peanut witches’ broom and Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR

Pest	Applies to	Condition
		“The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.67.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma australiense” (strains not in New Zealand), Phytoplasma 16SrII – peanut witches’ broom and Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.68 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	<i>Ascochyta brassicae</i> , <i>Athalia</i> spp., <i>Eurydema</i> spp., <i>Peronospora alliariae</i> , <i>Septoria wasabiae</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.68.1 below
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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
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.”

3.69 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	<i>Ceratocystis fimbriata</i> , <i>Cronartium quercuum</i> , <i>Phytophthora ramorum</i> , Tortricidae, <i>Xylella fastidiosa</i>
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 3.69.1
	Option 2: All whole plants (dormant) and cuttings (dormant) Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.69.2
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.69.3

3.69.1 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Fagus</i> genus	Refer to 2.1
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the <i>Fagus</i> genus	Refer to 2.4

3.69.2 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Fagus</i> genus	Refer to 2.1
<i>Xylella fastidiosa</i>	All species of the <i>Fagus</i> genus	Refer to 2.4

3.69.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the <i>Fagus</i> genus	Refer to 2.4

3.70 *Fagus sylvatica*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Fagus sylvatica</i> ”
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	<i>Ceratocystis fimbriata</i> , <i>Cronartium quercuum</i> , <i>Cryphonectria parasitica</i> , <i>Phytophthora ramorum</i> , <i>Tortricidae</i> , <i>Xylella fastidiosa</i>
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 3.70.1
	Option 2: All whole plants (dormant) and cuttings (dormant) Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.70.2
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.70.3

3.70.1 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Fagus</i> genus	Refer to 2.1

Pest	Applies to	Condition
<i>Cryphonectria parasitica</i>	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: “<i>Cryphonectria parasitica</i> 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 <i>Cryphonectria parasitica</i> 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 <i>Cryphonectria parasitica</i> was detected.”
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species of the <i>Fagus</i> genus	Refer to 2.4

3.70.2 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Fagus</i> genus	Refer to 2.1
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.70.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>
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 <u>Identification of organisms</u> .

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the <i>Fagus</i> genus	Refer to 2.4

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3.71 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	“ <i>Candidatus Phytoplasma solani</i> ”, <i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , <i>Ralstonia pseudosolanacearum</i> , <i>Uredo ficina</i> , <i>Xylella fastidiosa</i>
Whole plants	Option 1: Whole plants with pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.71.1
	Option 2: Whole plants without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.71.2
Cuttings	Option 1: Cuttings with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.71.3
	Option 2: Cuttings without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.71.4
Tissue cultures	Option 1: Tissue cultures with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.71.5

	Option 2: Tissue cultures without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.71.6

3.71.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani"	All species	Refer to 2.5
<i>Ceratocystis fimbriata</i>	<i>Ficus carica</i>	Refer to 2.1
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>".

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.
<i>Uredo ficina</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • <i>Uredo ficina</i> is not known to occur in _____ [the country or state where the plants were grown]”. OR • “The <i>Ficus</i> spp. has been produced in a ‘pest free place of production’, free from <i>Uredo ficina</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.71.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus Phytoplasma solani</i> "	All species	Refer to 2.5
<i>Ceratocystis fimbriata</i>	<i>Ficus carica</i>	Refer to 2.1
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>".
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora palmivora</i>".
<i>Ralstonia pseudosolanacearum</i>	All species	Growing season inspection in PEQ for symptom expression AND • Plating on selective media OR • PCR using DNA from the plant stem
<i>Uredo ficina</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • <i>Uredo ficina</i> is not known to occur in _____ [the country or state where the plants were grown]". OR • "The <i>Ficus</i> spp. has been produced in a 'pest free place of production', free from <i>Uredo ficina</i>".
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.71.3 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani"	All species	Refer to 2.5
<i>Ceratocystis fimbriata</i>	<i>Ficus carica</i>	Refer to 2.1
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>".
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora palmivora</i>".

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>” 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 <i>Ralstonia pseudosolanacearum</i>”.
<i>Uredo ficina</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • <i>Uredo ficina</i> is not known to occur in _____ [the country or state where the plants were grown]”. OR • “The <i>Ficus</i> spp. has been produced in a ‘pest free place of production’, free from <i>Uredo ficina</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.71.4 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus Phytoplasma solani</i> ”	All species	Refer to 2.5
<i>Ceratocystis fimbriata</i>	<i>Ficus carica</i>	Refer to 2.1

Pest	Applies to	Condition
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Ralstonia pseudosolanacearum</i>	All species	Growing season inspection in PEQ for symptom expression AND • Plating on selective media OR • PCR using DNA from the plant stem
<i>Uredo ficina</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: • <i>Uredo ficina</i> is not known to occur in _____ [the country or state where the plants were grown]”. OR • “The <i>Ficus</i> spp. has been produced in a ‘pest free place of production’, free from <i>Uredo ficina</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.71.5 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani"	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>". 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 <i>Ralstonia pseudosolanacearum</i>". 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 <i>Ralstonia pseudosolanacearum</i>".
<i>Uredo ficina</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: "<i>Uredo ficina</i> is not known to occur in _____ [the country or state where the plants were grown]". OR "The <i>Ficus</i> spp. has been produced in a 'pest free place of production', free from <i>Uredo ficina</i>".
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.71.6 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani"	All species	Refer to 2.5

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	All species	Growing season inspection in PEQ for symptom expression AND - Plating on selective media OR - PCR using DNA from the plant stem
<i>Uredo ficina</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: <i>Uredo ficina</i> is not known to occur in _____ [the country or state where the plants were grown]". OR "The <i>Ficus spp.</i> has been produced in a 'pest free place of production', free from <i>Uredo ficina</i>".
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.72 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 3.72.1
	Option 2: Cuttings from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.72.2
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 3.72.3
	Option 2: Tissue cultures from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.72.4

3.72.1 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 3.72.5 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 <i>Fragaria</i> 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 <i>Fragaria</i> 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"

3.72.2 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 3.72.5 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 <i>Fragaria</i> 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.

3.72.3 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 3.72.5 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 <i>Fragaria</i> 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 <i>Fragaria</i> 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”.

3.72.4 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 3.72.5 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 <i>Fragaria</i> 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.

3.72.5 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.
<i>Erwinia pyrifoliae</i>	Growing season inspection for symptom expression AND PCR
<i>Ralstonia solanacearum</i> (Race 2)	Growing season inspection for symptom expression
Strawberry marginal chlorosis (<i>Candidatus phlomobacter fragariae</i>)	Growing season inspection for symptom expression AND PCR

Organism types	MPI-accepted methods
Strawberry rickettsia yellows	Growing season inspection for symptom expression
<i>Xanthomonas arboricola</i> pv. <i>fragariae</i>	Growing season inspection for symptom expression AND PCR
<i>Xanthomonas fragariae</i>	Growing season inspection for symptom expression AND PCR
<i>Xylella fastidiosa</i>	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

Organism types	MPI-accepted methods
Tobacco streak virus [strains not in New Zealand]	PCR OR HTS
Tomato bushy stunt virus	PCR OR HTS
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 PEQ.STD Post-entry quarantine for Plants 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.

3.73 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	“ <i>Candidatus</i> Phytoplasma solani”, virus diseases
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.73.1
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 3.73.2
Dormant bulbs	Option 1: Dormant bulbs from MPI-approved propagation schemes in 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 3.73.3
	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, 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 3.73.4
	Option 3: 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 3.73.5

	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, or 6 months if required by measures for phytoplasmas Special conditions: None, refer to general requirements in 1.12

3.73.1 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
" <i>Candidatus</i> <i>Phytoplasma solani</i> "	All species	Refer to 2.5

3.73.2 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
" <i>Candidatus</i> <i>Phytoplasma solani</i> "	All species	Refer to 2.5

3.73.3 Dormant bulbs option 1

- (1) This option applies to dormant bulbs from in 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 under MPI-approved propagation schemes.
- (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	One of the following additional declarations must be endorsed on the phytosanitary certificate: For bulbs produced under an MPI-approved Dutch bulb propagation scheme: “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.” For bulbs not produced under an MPI-approved bulb propagation scheme: “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
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.73.4 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, 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
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.73.5 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 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
" <i>Candidatus</i> <i>Phytoplasma solani</i> "	All species	Refer to 2.5

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3.74 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	<i>Aculops fuchsiae</i> (Fuchsia Gall Mite), <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.74.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.74.2

3.74.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Aculops fuchsiae</i>	All species	One of the following additional declaration must be endorsed on the phytosanitary certificate: “<i>Aculops fuchsiae</i> 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.”
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.74.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.75 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	<i>Ganoderma philippii</i> , <i>Helicobasidium mompa</i> , <i>Pestalotiopsis cruenta</i> , <i>Phytophthora palmivora</i> , <i>Phellinus noxius</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.75.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.75.2
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.75.3

3.75.1 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 <i>Garcinia</i> 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 3.75.4 at the expense of the importer.

3.75.2 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 <i>Garcinia</i> 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 3.75.4 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.

3.75.3 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 <i>Garcinia</i> 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 3.75.4 at the expense of the importer.

3.75.4 Inspection, testing and treatment requirements for *Garcinia*

Organism types	MPI-accepted methods
Fungi	
<i>Ganoderma nephelii</i> (Red root rot)	Growing season inspection in PEQ for symptom expression
<i>Helicobasidium mompa</i> (violet root rot)	Growing season inspection in PEQ for symptom expression
<i>Pestalotiopsis cruenta</i>	Growing season inspection in PEQ for symptom expression
<i>Phellinus noxius</i> (Brown root rot)	Growing season inspection in PEQ for symptom expression
Oomycetes	
<i>Phytophthora palmivora</i>	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.

3.76 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	<i>Chrysomyxa ledi</i> , <i>Microsphaera</i> spp., <i>Phytophthora ramorum</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.76.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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
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
<i>Chrysomyxa ledi</i> and <i>Microsphaera</i> spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • “<i>Chrysomyxa ledi</i> and <i>Microsphaera</i> 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 <i>Chrysomyxa ledi</i> or <i>Microsphaera</i> spp. was detected.”
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.77 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	<i>Cronartium flaccidum</i> , <i>Tetranychus kanzawai</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.77.1
Tissue cultures	Import permit: Required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

3.77.1 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.”

3.78 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	“ <i>Candidatus Phytoplasma australasiaticum</i> ”, <i>Frankliniella occidentalis</i> , <i>Liriomyza</i> spp., <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , <i>Phytoplasma</i> 16SrI – aster yellows, <i>Phytoplasma</i> 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 3.78.1
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 3.78.2

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, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
<i>Frankliniella occidentalis</i> and <i>Liriomyza</i>	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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>.”

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

3.78.2 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
" <i>Candidatus</i> Phytoplasma australasiaticum", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrII – peanut witches' broom	All species	Refer to 2.5

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3.79 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 16Srl – aster yellows, <i>Puccinia gladioli</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.79.1
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 3.79.2
Dormant bulbs	Option 1: Dormant bulbs, produced under a propagation scheme or 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 3.79.3
	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, 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 3.79.4
	Option 3: 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 3.79.5

	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, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.79.6

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: 6 months

Pest	Applies to	Condition
Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Puccinia gladioli</i>	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Puccinia gladioli</i> 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 <i>Puccinia gladioli</i> was not detected.”

3.79.2 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 16Srl – aster yellows	All species	Refer to 2.5

3.79.3 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) produced under an MPI-approved propagation scheme; or
 - b) 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	One of the following additional declarations must be endorsed on the phytosanitary certificate: For bulbs produced under an MPI-approved Dutch bulb propagation scheme: • “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.” For bulbs not produced under an MPI-approved bulb propagation scheme: • “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 16Srl – aster yellows	All species	Refer to 2.5

3.79.4 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, 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 16Srl – aster yellows	All species	Refer to 2.5

3.79.5 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:
- with a growing season inspection; and
 - 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 16Srl – aster yellows	All species	Refer to 2.5

3.79.6 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
- (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 16Srl – aster yellows	All species	Refer to 2.5

3.80 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	<i>Uromyces</i> spp.
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.80.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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

Pest	Applies to	Condition
<i>Uromyces</i> spp.	All	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Uromyces</i> spp. are not known to occur on <i>Glycyrrhiza</i> in [the country or state where the plants were grown].” OR “The plants were inspected during the growing season and no <i>Uromyces</i> spp. were detected.”

3.81 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, <i>Tetranychus kanzawai</i>
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 3.81.1
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

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: 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

3.81.2 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 16SrII – peanut witches’ broom	All species	Refer to 2.5

3.82 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	<i>Frankliniella occidentalis</i> , <i>Liriomyza</i> spp., <i>Phytophthora capsici</i> , Phytoplasma 16SrII – peanut witches’ broom, <i>Tetranychus kanzawai</i>
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 3.82.1
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 3.82.2

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, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
<i>Frankliniella occidentalis</i> and <i>Liriomyza</i>	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 <i>Frankliniella occidentalis</i> and <i>Liriomyza</i> spp.”
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”
Phytoplasma 16SrII – peanut witches’ broom	All species	Refer to 2.5

3.82.2 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

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3.83 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	<i>Alternaria helianthi</i> , <i>Phymatotrichopsis omnivora</i> , <i>Plasmopara halstedii</i> , <i>Pseudomonas</i> spp., <i>Septoria helianthi</i> , Uredinales, <i>Xylella fastidiosa</i>
Dormant tubers	Option 1: Dormant tubers with pest free area declaration for <i>Phymatotrichopsis omnivora</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.83.1
	Option 2: Dormant tubers with pest free place of production declaration for <i>Phymatotrichopsis omnivora</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.83.2

3.83.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>.”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.83.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>."
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.84 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	“ <i>Candidatus</i> Phytoplasma solani”, <i>Phellinus noxius</i> , <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , Phytoplasma 16SrV–D – “Flavescence dorée”, Tomato chlorosis virus , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.84.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.84.2
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.84.3

3.84.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16SrV–D – “Flavescence dorée”	All species	Refer to 2.5
<i>Phellinus noxius</i>	<i>Hibiscus rosa-sinensis</i> , <i>Hibiscus schizopetalus</i> and <i>Hibiscus tiliaceus</i>	Refer to 2.2
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
Tomato chlorosis virus	All species in the genus <i>Hibiscus</i>	Option 1: Additional declarations 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 Tomato chlorosis virus”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus”. Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.84.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani" and Phytoplasma 16SrV-D – "Flavescence dorée"	All species	Refer to 2.5
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>".
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora palmivora</i>".
Tomato chlorosis virus	All species in the genus <i>Hibiscus</i>	Option 1: Additional declarations 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 Tomato chlorosis virus". OR • "The [insert species name] plants have been produced in a 'pest free area' free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus".

Pest	Applies to	Condition
		Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.84.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani" and Phytoplasma 16SrV-D – "Flavescence dorée"	All species	Refer to 2.5
Tomato chlorosis virus	All species in the genus <i>Hibiscus</i>	Option 1: Additional declarations 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 Tomato chlorosis virus". OR • "The [insert species name] plants have been produced in a 'pest free area' free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus". Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.85 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 3.85.1
	Option 2: All tissue cultures Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.85.2
Dormant bulbs	Option 1: All dormant bulbs Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.85.3
	Option 2: Dormant bulbs from the Netherlands Import permit: Not required PEQ: Not required Special conditions: Refer to 3.85.4

3.85.1 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 <i>Hippeastrum</i> 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 <i>Hippeastrum</i> 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.”

3.85.2 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.

3.85.3 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 <i>Hippeastrum</i> 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 <i>Hippeastrum</i> 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 phytoplasmas.”

3.85.4 Dormant bulbs option 2

- (1) This option applies to dormant bulbs from the Netherlands.
- (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 <i>Hippeastrum</i> 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 <i>Armillaria mellea</i> and <i>Pratylenchus scribneri</i>. AND - produced in a pest free production site for <i>Hippeastrum</i> 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 <i>Hippeastrum</i> 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 <i>Armillaria mellea</i> and <i>Pratylenchus scribneri</i>. AND - produced in a pest free production site for <i>Hippeastrum</i> free from regulated nematodes and fungi and held in a manner to ensure that infestation/reinfestation does not occur following certification.”

3.86 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 3.86.1
Tissue cultures	Option 1: Tissue culture inspected and tested offshore Import permit: Not required PEQ: Not required Special conditions: Refer to 3.86.2
	Option 2: All tissue cultures Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.86.3

3.86.1 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

3.86.2 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”.

Pest	Applies to	Condition
		OR • “The [insert plant species] plants have been produced in a ‘pest free place of production’, free from <i>Alstroemeria necrotic streak virus</i>”. 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 <i>Alstroemeria necrotic streak virus</i> 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.”

3.86.3 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

3.87 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 <i>Morus</i> and <i>Sambucus</i> .
Approved countries	All
Quarantine pests	“ <i>Candidatus</i> Phytoplasma solani”, <i>Phellinus noxius</i> , <i>Phytophthora ramorum</i> , <i>Tetranychus kanzawai</i> , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.87.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.87.2
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.87.3

3.87.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma solani”	Species of the genus <i>Hydrangea</i>	Refer to 2.5
<i>Phellinus noxius</i>	<i>Hydrangea chinensis</i> , <i>Morus alba</i>	Refer to 2.2
<i>Phytophthora ramorum</i>	All species of the <i>Hydrangea</i> and <i>Sambucus</i> genera	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.87.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani"	Species of the genus <i>Hydrangea</i>	Refer to 2.5
<i>Phytophthora ramorum</i>	All species of the <i>Hydrangea</i> and <i>Sambucus</i> genera	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.87.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani"	Species of the genus <i>Hydrangea</i>	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.88 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	“ <i>Candidatus</i> Phytoplasma solani”, <i>Tetranychus kanzawai</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.88.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.88.2

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, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i>	
Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.88.2 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 <i>Xylella fastidiosa</i>	
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>	
Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.89 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	<i>Helicobasidium mompa</i> , <i>Streptomyces ipomoea</i> , Sweet potato leaf curl virus , Tomato chlorosis virus , virus diseases, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.89.1
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.89.2

3.89.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Sweet potato leaf curl virus	All species	Testing in PEQ using PCR-based methods
Tomato chlorosis 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 have been produced in [insert country name], which is free from Tomato chlorosis virus”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus”.

Pest	Applies to	Condition
		Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.89.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Sweet potato leaf curl virus	All species	Testing in PEQ using PCR-based methods
Tomato chlorosis 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 have been produced in [insert country name], which is free from Tomato chlorosis virus”. OR • “The [insert species name] plants have been produced in a ‘pest free area’ free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus”. Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.90 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 3.90.1
	Option 2: Whole plants and cuttings from the Netherlands Import permit: Not required PEQ: Not required Special conditions: Refer to 3.90.2
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 3.90.3
	Option 2: All tissue cultures Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.90.4
Dormant bulbs	Option 1: All dormant bulbs Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.90.5
	Option 2: Dormant bulbs from the Netherlands Import permit: Not required PEQ: Not required Special conditions: Refer to 3.90.6

3.90.1 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 <i>Iris</i> 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 <i>Iris</i> 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."

3.90.2 Whole plants, Cuttings option 2

- (1) This option applies to whole plants and cuttings from the Netherlands.
- (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 <i>Iris</i> 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 <i>Iris</i> 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."

3.90.3 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 <i>Iris</i> 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.

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 <i>Iris</i> 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.”

3.90.4 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.

3.90.5 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 <i>Iris</i> 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 <i>Iris</i> 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."

3.90.6 Dormant bulbs option 2

- (1) This option applies to dormant bulbs from the Netherlands.
- (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 <i>Iris</i> 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 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 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 <i>Iris</i> 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.”

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3.91 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	“ <i>Candidatus</i> 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 3.91.1
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 3.91.2

3.91.1 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
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16SrII – peanut witches’ broom	All species	Refer to 2.5

3.91.2 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
“ <i>Candidatus</i> Phytoplasma solani” and Phytoplasma 16SrII – peanut witches’ broom	All species	Refer to 2.5

3.92 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	<i>Ceratocystis fimbriata</i> , <i>Erwinia nigrifluens</i> , <i>Erwinia quercina</i> pv. <i>rubrifaciens</i> , <i>Gnomonia leptostyla</i> , walnut blackline, walnut bunch/brooming disease, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.92.1
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 6 months 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: 6 months

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the <i>Juglans</i> genus	Refer to 2.1
<i>Xylella fastidiosa</i>	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: 6 months

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the <i>Juglans</i> genus	Refer to 2.4

Draft for
Consultation

3.93 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: <i>Cryptomeria japonica</i>
Approved commodities	Whole plants Cuttings
Approved countries	All
Quarantine pests	<i>Bursaphelenchus</i> spp., <i>Lophodermium</i> spp., <i>Phytophthora austrocedri</i> (<i>P. austrocedrae</i>), Uredinales, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.93.1

3.93.1 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
<i>Phytophthora austrocedri</i> (<i>P. austrocedrae</i>)	All species	Growing season inspection in PEQ for symptom expression
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.94 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	<i>Chrysomyxa ledi</i> , <i>Microsphaera</i> spp., <i>Phytophthora ramorum</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.94.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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.
- (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
<i>Chrysomyxa ledi</i> and <i>Microsphaera</i> spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Chrysomyxa ledi</i> and <i>Microsphaera</i> 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 <i>Chrysomyxa ledi</i> and <i>Microsphaera</i> spp. was detected”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.

3.95 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	“ <i>Candidatus Phytoplasma solani</i> ”, “ <i>Candidatus Phytoplasma trifolii</i> ”, <i>Ovulinia azalea</i> , <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.95.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> 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 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus Phytoplasma solani</i> ” and “ <i>Candidatus Phytoplasma trifolii</i> ”	All species	Refer to 2.5
<i>Phytophthora capsici</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Xylella fastidiosa</i>	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	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma solani” and “ <i>Candidatus</i> Phytoplasma trifolii”	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.96 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	“ <i>Candidatus</i> Phytoplasma trifolii”, Phytoplasma 16Srl – 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 3.96.1
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 3.96.2

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 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas

Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma trifolii” and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5

3.96.2 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
“ <i>Candidatus</i> Phytoplasma trifolii” and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5

3.97 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	<i>Phymatotrichopsis omnivora</i> , Uredinales
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
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 3.97.2
	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 3.97.3
	Option 3: Dormant bulbs with a pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> from the United States of America Import permit: Not required PEQ: Not required Special conditions: Refer to 3.97.4
	Option 4: Dormant bulbs with pest free place of production additional declaration for <i>Phymatotrichopsis omnivora</i> from the United States of America Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.97.5

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.

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

Pest	Applies to	Condition
<i>Uredinales</i>	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “Rust diseases of genus <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [the host species being imported] in [the country in which the plants were grown]”.

3.97.2 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
<i>Uredinales</i>	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.”

3.97.3 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

3.97.4 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
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”.

3.97.5 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
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”. 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.

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3.98 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 3.98.1
	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 3.98.2
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 3.98.3
	Option 2: Dormant bulbs from the Netherlands Import permit: Not required PEQ: Not required Special conditions: Refer to 3.98.4

3.98.1 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 <i>Lilium</i> 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 <i>Lilium</i> 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
" <i>Candidatus</i> Phytoplasma mali", " <i>Candidatus</i> Phytoplasma solani" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5

3.98.2 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.

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma mali", " <i>Candidatus</i> Phytoplasma solani" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
Tobacco rattle virus	All species	Testing in PEQ using molecular or serological methods.

3.98.3 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 <i>Lilium</i> 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 <i>Lilium</i> 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." AND One of the following additional declarations for <i>Phytophthora capsici</i>: "The [insert species name] plants in this consignment have been produced in [insert country name], which is free from <i>Phytophthora capsici</i>." OR "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>." OR "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>."

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma mali", " <i>Candidatus</i> Phytoplasma solani" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5

3.98.4 Dormant bulbs option 2

- (1) This option applies to dormant bulbs from the Netherlands.
- (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 <i>Lilium</i> 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 <i>Lilium</i> 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. AND One of the following additional declarations for <i>Phytophthora capsici</i>: • “The [insert species name] plants in this consignment have been produced in [insert country name], which is free from <i>Phytophthora capsici</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>.” OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>.”

Consultation

3.99 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 3.99.1
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
Phytoplasma 16SrII – peanut witches’ broom and Phytoplasma 16SrV – elm 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
Phytoplasma 16SrII – peanut witches’ broom and Phytoplasma 16SrV – elm yellows	All species	Refer to 2.5

3.100 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: <i>Ostrya virginiana</i> .
Approved commodities	Whole plants (dormant) Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	<i>Ceratocystis fimbriata</i> , <i>Cryphonectria parasitica</i> , <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants (dormant), Cuttings (dormant)	Option 1: Whole plants (dormant) and cuttings (dormant) with an additional declaration for area freedom from <i>Cryphonectria parasitica</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.100.1
	Option 2: All whole plants (dormant) and cuttings (dormant) Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.100.2
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.100.3

3.100.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	<i>Ostrya virginiana</i>	Refer to 2.1
<i>Cryphonectria parasitica</i>	<i>Liriodendron tulipifera</i> , <i>Ostrya virginiana</i>	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Cryphonectria parasitica</i> is not known to occur in [the country or state where the plants/cuttings were produced]”
<i>Phytophthora ramorum</i>	All species of the genus <i>Liriodendron</i>	Refer to 2.3

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the genus <i>Liriodendron</i>	Refer to 2.4

3.100.2 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
<i>Ceratocystis fimbriata</i>	<i>Ostrya virginiana</i>	Refer to 2.1
<i>Phytophthora ramorum</i>	All species of the genus <i>Liriodendron</i>	Refer to 2.3
<i>Xylella fastidiosa</i>	All species of the genus <i>Liriodendron</i>	Refer to 2.4

3.100.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species of the genus <i>Liriodendron</i>	Refer to 2.4

3.101 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	<i>Aceria litchii</i> , <i>Phellinus noxius</i> , Xyloryctidae (Lepidoptera)
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.101.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.101.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

3.101.1 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
<i>Aceria litchii</i> 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 <i>Aceria litchii</i> and members of the Xyloryctidae family and none were found”.
<i>Phellinus noxius</i>	All species	Refer to 2.2

3.101.2 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
<i>Aceria litchii</i> 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 <i>Aceria litchii</i> and members of the Xyloryctidae family and none were found”.

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3.102 *Lithocarpus densiflorus*

Suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Lithocarpus densiflorus</i> ” 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	<i>Ceratocystis fagacearum</i> , <i>Cronartium quercuum</i> , <i>Phytophthora ramorum</i> , <i>Tortricidae</i>
Whole plants (dormant), Cuttings (dormant)	Option 1: Whole plants (dormant) and cuttings (dormant) with an additional declaration for <i>Ceratocystis fagacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.102.1
	Option 2: All whole plants (dormant) and cuttings (dormant) Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.102.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.102.3

3.102.1 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
<i>Ceratocystis fagacearum</i>	All species	Whole plants: The following additional declarations must be endorsed on the phytosanitary certificate: “<i>Ceratocystis fagacearum</i> 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 <i>Ceratocystis fagacearum</i> 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 <i>Ceratocystis fagacearum</i> was detected.”
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.

3.102.2 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

3.102.3 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

3.103 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 williamsii” 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

3.104 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 3.104.1
	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 3.104.2
	Option 3: Cuttings from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 24 months Special conditions: Refer to 3.104.3
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 3.104.4
	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 3.104.5
	Option 3: Tissue cultures from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 24 months Special conditions: Refer to 3.104.6

3.104.1 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 audit-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 <i>Malus</i> 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 <i>Malus</i> 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.”

3.104.2 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 audit-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 <i>Malus</i> 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 <i>Malus</i> 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."

3.104.3 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 3.104.7 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 <i>Malus</i> 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.

3.104.4 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 audit-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 <i>Malus</i> 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 <i>Malus</i> 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.”

3.104.5 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 audit-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 <i>Malus</i> 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 <i>Malus</i> 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.”

3.104.6 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 3.104.7 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 <i>Malus</i> tissue cultures 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.

3.104.7 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

Organism types	MPI-accepted methods
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	
<i>Pseudomonas syringae</i> pv. <i>populans</i>	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
Viroids	
Apple dimple fruit viroid	PCR OR HTS
Apple fruit crinkle viroid	PCR OR HTS
Apple scar skin viroid	PCR OR HTS
Phytoplasmas	
" <i>Candidatus</i> Phytoplasma asteris" (Apple sessile leaf phytoplasma)	Nested PCR OR Real Time PCR using universal phytoplasma primers
" <i>Candidatus</i> Phytoplasma mali" (Apple proliferation phytoplasma)	Nested PCR OR Real Time PCR using universal phytoplasma primers
Diseases of unknown aetiology	
Apple blister bark agent	Growing season inspection in PEQ for disease symptom expression
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

Organism types	MPI-accepted methods
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 McIntosh 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
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.

3.105 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	<i>'Candidatus Phytoplasma solani'</i> , Pepino mosaic virus, <i>Puccinia modiolae</i> , Tomato brown rugose fruit virus, <i>Tomato chlorosis virus</i> , <i>Xylella fastidiosa</i>
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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.105.1
	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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.105.2
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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.105.3
	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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.105.4

3.105.1 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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus</i> Phytoplasma solani'	All species	Refer to 2.5
Pepino mosaic virus	All species	Option 1: Additional declarations 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 Pepino mosaic virus" OR • "The [insert species name] plants were produced in a 'pest free area' free from Pepino mosaic virus" OR • "The [insert species name] plants were produced in a 'pest free place of production' free from Pepino mosaic virus" Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Puccinia modiolae</i>	All species	Growing season inspection in PEQ for symptom expression
Tomato chlorosis virus	All species	Option 1: Additional declarations 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 Tomato chlorosis virus" OR • "The [insert species name] plants were produced in a 'pest free area' free from Tomato chlorosis virus" OR • "The [insert species name] plants were produced in a 'pest free place of production' free from Tomato chlorosis virus" Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
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".
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.105.2 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 <i>phytoplasmas</i> or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus</i> <i>Phytoplasma solani</i> '	All species	Refer to 2.5
Pepino mosaic virus	All species	Option 1: Additional declarations 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 Pepino mosaic virus" OR • "The [insert species name] plants were produced in a 'pest free area' free from Pepino mosaic virus" OR • "The [insert species name] plants were produced in a 'pest free place of production' free from Pepino mosaic virus" Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Puccinia modiolae</i>	All species	Growing season inspection in PEQ for symptom expression
Tomato chlorosis virus	All species	Option 1: Additional declarations 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 Tomato chlorosis virus" OR • "The [insert species name] plants were produced in a 'pest free area' free from Tomato chlorosis virus" OR • "The [insert species name] plants were produced in a 'pest free place of production' free from Tomato chlorosis virus" Option 2: Testing in PEQ Testing in PEQ using PCR-based methods

Pest	Applies to	Condition
Tomato brown rugose fruit virus	All species	Testing in PEQ with PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.105.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus</i> Phytoplasma solani'	All species	Refer to 2.5
Pepino mosaic virus	All species	Option 1: Additional declarations 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 Pepino mosaic virus" OR "The [insert species name] plants were produced in a 'pest free area' free from Pepino mosaic virus" OR "The [insert species name] plants were produced in a 'pest free place of production' free from Pepino mosaic virus" Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
Tomato chlorosis virus	All species	Option 1: Additional declarations 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 Tomato chlorosis virus" OR "The [insert species name] plants were produced in a 'pest free area' free from Tomato chlorosis virus" OR "The [insert species name] plants were produced in a 'pest free place of production' free from Tomato chlorosis virus"

Pest	Applies to	Condition
		Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
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”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.105.4 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
‘Candidatus Phytoplasma solani’	All species	Refer to 2.5
Pepino mosaic virus	All species	Option 1: Additional declarations 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 Pepino mosaic virus” OR “The [insert species name] plants were produced in a ‘pest free area’ free from Pepino mosaic virus” OR “The [insert species name] plants were produced in a ‘pest free place of production’ free from Pepino mosaic virus”
	All species	Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
	All species	Option 1: Additional declarations

Pest	Applies to	Condition
Tomato chlorosis virus		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 Tomato chlorosis virus" OR • "The [insert species name] plants were produced in a 'pest free area' free from Tomato chlorosis virus" OR • "The [insert species name] plants were produced in a 'pest free place of production' free from Tomato chlorosis virus" Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
Tomato brown rugose fruit virus	All species	Testing in PEQ with PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.106 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	<i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Phytophthora palmivora</i> , <i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.106.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.106.2
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.106.3

3.106.1 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Mangifera</i> genus	Refer to 2.1
<i>Phellinus noxius</i>	<i>Mangifera indica</i>	Refer to 2.2

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
<i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “<i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> 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 <i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> was detected”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.106.2 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Mangifera</i> genus	Refer to 2.1
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”

Pest	Applies to	Condition
<i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “<i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> 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 <i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> was detected”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.106.3 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
<i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i>	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “<i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> 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 <i>Xanthomonas campestris</i> pv. <i>mangiferae-indicae</i> was detected”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.107 *Metrosideros*

Partially suspended

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Metrosideros</i>” Suspended species: All species in the genera are suspended: <i>Acca</i>, <i>Actinodium</i>, <i>Angophora</i>, <i>Astartea</i>, <i>Austromyrtus</i>, <i>Backhousia</i>, <i>Baeckea</i>, <i>Beaufortia</i>, <i>Calothamnus</i>, <i>Calytrix</i>, <i>Chamelaucium</i>, <i>Cyathostemon</i>, <i>Darwinia</i>, <i>Eremaea</i>, <i>Hypocalymma</i>, <i>Lophomyrtus</i>, <i>Lophostemon</i>, <i>Luma</i>, <i>Melaleuca</i>, <i>Micromyrtus</i>, <i>Neofabricia</i>, <i>Plinia</i>, <i>Pimenta</i>, <i>Regelia</i>, <i>Scholtzia</i>, <i>Thryptomene</i>, <i>Verticordia</i>.
Approved commodities	Whole plants Cuttings Tissue cultures Suspended commodities: Whole plants and cuttings for <i>Psidium</i> only.
Approved countries	All
Quarantine pests	<i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Phytophthora palmivora</i> , <i>Puccinia psidii</i> sensu lato (s.l.) complex (including <i>Uredo rangeli</i>), <i>Xylella fastidiosa</i>
Whole plants	Option 1: Whole plants with a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.107.1 Option 2: Whole plants without a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.107.2
Cuttings	Option 1: Cuttings with a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.107.3 Option 2: Cuttings without a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.107.4
Tissue cultures	Option 1: Tissue cultures with a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.107.5

	Option 2: Tissue cultures without a pest freedom additional declaration for <i>Puccinia psidii</i> sensu lato complex (including <i>Uredo rangeli</i>) Import permit: Required PEQ: Level 2 post-entry quarantine tissue culture laboratory, then Level 2 post entry quarantine greenhouse if required by measures for <i>Xylella fastidiosa</i> Minimum period: 4 weeks, then 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.107.6

3.107.1 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 rangeli*).
- (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
<i>Ceratocystis fimbriata</i>	All species of the <i>Metrosideros</i> and <i>Pimenta</i> genera	Refer to 2.1
<i>Phellinus noxius</i>	<i>Melaleuca leucadendra</i>	Refer to 2.2
<i>Phytophthora palmivora</i>	All species of the <i>Psidium</i> 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 <i>Phytophthora palmivora</i>”. “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”
<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>) is not known to occur in [the country of origin]”.
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Callistemon</i> , <i>Leptospermum</i> , <i>Metrosideros</i> , <i>Myrtus</i> and <i>Psidium</i>	Refer to 2.4

3.107.2 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Metrosideros</i> and <i>Pimenta</i> genera	Refer to 2.1
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Callistemon</i> , <i>Leptospermum</i> , <i>Metrosideros</i> , <i>Myrtus</i> and <i>Psidium</i>	Refer to 2.4

3.107.3 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
<i>Ceratocystis fimbriata</i>	All species of the <i>Metrosideros</i> and <i>Pimenta</i> genera	Refer to 2.1
<i>Phytophthora palmivora</i>	All species of the <i>Psidium</i> 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 <i>Phytophthora palmivora</i>”. “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”

Pest	Applies to	Condition
<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>)	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>) is not known to occur in [the country of origin]”.
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Callistemon</i> , <i>Leptospermum</i> , <i>Metrosideros</i> , <i>Myrtus</i> and <i>Psidium</i>	Refer to 2.4

3.107.4 Cuttings option 2

- (1) This option applies to cuttings without a pest freedom additional declaration for *Puccinia psidii* sensu lato complex (including *Uredo rangeli*).
- (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
<i>Ceratocystis fimbriata</i>	All species of the <i>Metrosideros</i> and <i>Pimenta</i> genera	Refer to 2.1
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Callistemon</i> , <i>Leptospermum</i> , <i>Metrosideros</i> , <i>Myrtus</i> and <i>Psidium</i>	Refer to 2.4

3.107.5 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 rangeli*).
- (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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>)	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “<i>Puccinia psidii</i> s.l. complex (including <i>Uredo rangeli</i>) 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)”.
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Callistemon</i> , <i>Leptospermum</i> , <i>Metrosideros</i> , <i>Myrtus</i> and <i>Psidium</i>	Refer to 2.4

3.107.6 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 rangeli*).
- (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 <i>Xylella fastidiosa</i> Minimum period: 4 weeks, or 6 months if required by measures for <i>Xylella fastidiosa</i>

- (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
<i>Xylella fastidiosa</i>	All species of the following genera: <i>Callistemon</i> , <i>Leptospermum</i> , <i>Metrosideros</i> , <i>Myrtus</i> and <i>Psidium</i>	Refer to 2.4

3.108 *Miscanthus × giganteus*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Miscanthus × giganteus</i> ”
Approved commodities	Tissue cultures
Approved countries	United Kingdom and United States of America
Quarantine pests	Refer to Appendix 5: <i>Miscanthus × giganteus</i> 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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.108.1 and 3.108.2

3.108.1 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 <i>Xylella fastidiosa</i> 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 3.108.2.
Phytosanitary requirements	Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities have been undertaken: The <i>Miscanthus x giganteus</i> 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 <i>Miscanthus x giganteus</i> 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 <i>Leifsonia xyli</i> subsp. <i>xyli</i>, <i>Miscanthus streak virus</i>, 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 <i>Ustilago scitaminea</i> 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.108.2 Inspection, testing and treatment requirements for *Miscanthus x giganteus*

Organism	MPI-Accepted Methods
Fungi	
<i>Ustilago scitaminea</i>	- 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	
<i>Leifsonia xyli</i> subsp. <i>xyli</i>	- PCR/BIO-PCR OR - Fluorescence-antibody staining of sap extracts, concentrated on membrane filters by filtration with observation by epifluorescence microscopy
<i>Xylella fastidiosa</i>	PCR
Viruses	
<i>Miscanthus streak virus</i>	PCR
<i>Sugarcane mosaic virus</i>	- 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.

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3.109 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	“ <i>Candidatus Phytoplasma solani</i> ”, <i>Tetranychus kanzawai</i>
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 3.109.1
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 3.109.2

3.109.1 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
“ <i>Candidatus Phytoplasma solani</i> ”	All species	Refer to 2.5

3.109.2 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
“ <i>Candidatus Phytoplasma solani</i> ”	All species	Refer to 2.5

3.110 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, <i>Cosmopolites sordidus</i> , <i>Fusarium oxysporum</i> f.sp <i>cubeense</i> , <i>Mycosphaerella fijensis</i> , <i>Pseudomonas solanacearum</i> , <i>Radopholus similis</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.110.1
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.110.2

3.110.1 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

3.110.2 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”.

3.111 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, <i>Phellinus noxius</i> , Plantago asiatica mosaic virus (synonym Nandina mosaic virus), <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.111.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.111.2
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.111.3

3.111.1 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 <i>Xylella fastidiosa</i>

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]”.
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.111.2 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 <i>Xylella fastidiosa</i>

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]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.111.3 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 <i>Xylella fastidiosa</i>

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]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.112 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	“ <i>Candidatus Phytoplasma australasiaticum</i> ”, “ <i>Candidatus Phytoplasma solani</i> ”, <i>Frankliniella occidentalis</i> , <i>Hepialus lupulinus</i> , <i>Lilioceris lili</i> , <i>Pratylenchus scribneri</i> , <i>Ramularia vallisumbrosae</i> , <i>Sclerotinia polyblastis</i> , <i>Steneotarsonemus laticeps</i> , virus diseases.
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months 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
Dormant bulbs	Option 1: Dormant bulbs produced under an MPI-approved propagation scheme or 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 3.112.3
	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, 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 3.112.4
	Option 3: 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 3.112.5

	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, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.112.6

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: 6 months

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum" and " <i>Candidatus</i> 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
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."
" <i>Candidatus</i> Phytoplasma australasiaticum" and " <i>Candidatus</i> Phytoplasma solani"	All species	Refer to 2.5

3.112.3 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 or the United States of America:
 - a) produced under an MPI-approved propagation scheme; or
 - b) 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	One of the following additional declarations must be endorsed on the phytosanitary certificate: For bulbs produced under an MPI-approved Dutch bulb propagation scheme: • “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.” For bulbs not produced under an MPI-approved bulb propagation scheme: • “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
“ <i>Candidatus</i> Phytoplasma australasiaticum” and “ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.112.4 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.
- (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
“ <i>Candidatus</i> Phytoplasma australasiaticum” and “ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.112.5 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 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
“ <i>Candidatus</i> Phytoplasma australasiaticum” and “ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.112.6 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, 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
“ <i>Candidatus</i> Phytoplasma australasiaticum” and “ <i>Candidatus</i> Phytoplasma solani”	All species	Refer to 2.5

3.113 *Nephelium lappaceum*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Nephelium lappaceum</i> ”
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	Malaysia, Thailand
Quarantine pests	Refer to Appendix 5: <i>Nephelium lappaceum</i> regulated pests (actionable)
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.113.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.113.2
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.113.3

3.113.1 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
<i>Nephelium lappaceum</i> is the only species of <i>Nephelium</i> 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 <i>Nephelium lappaceum</i> 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 3.113.4 at the expense of the importer.

3.113.2 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 <i>Nephelium lappaceum</i> 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 3.113.4 at the expense of the importer.

3.113.3 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 <i>Nephelium lappaceum</i> 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 3.113.4 at the expense of the importer.

3.113.4 Inspection, testing and treatment requirements for *Nephelium*

Organism types	MPI-accepted methods
Fungi	
<i>Corticium koleroga</i> (Thread blight fungus)	Growing season inspection in PEQ for symptom expression
<i>Dolabra nephelii</i>	Growing season inspection in PEQ for symptom expression
<i>Erysiphe quercicola</i> (Powdery mildew of rambutan)	Growing season inspection in PEQ for symptom expression
<i>Helicobasidium mompa</i> (violet root rot)	Growing season inspection in PEQ for symptom expression
<i>Lasiodiplodia hormozganensis</i>	Growing season inspection in PEQ for symptom expression
<i>Lasiodiplodia iraniensis</i>	Growing season inspection in PEQ for symptom expression
<i>Lasiodiplodia pseudotheobromae</i>	Plating onto suitable isolation medium or PCR (applies to whole plants and cuttings only)
<i>Pestalotiopsis cruenta</i>	Growing season inspection in PEQ for symptom expression
<i>Pestalotiopsis mangiferae</i>	Growing season inspection in PEQ for symptom expression
<i>Pestalotiopsis virgatula</i>	Growing season inspection in PEQ for symptom expression
<i>Phellinus noxius</i> (Brown root rot fungus)	Growing season inspection in PEQ for symptom expression
<i>Rigidoporus microporus</i> (White root rot fungus)	Growing season inspection in PEQ for symptom expression
Oomycetes	
<i>Phytophthora botryosa</i>	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.

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3.114 Olea

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Olea”
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 3.114.1
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 12 months Special conditions: Refer to 3.114.2

3.114.1 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 3.114.3
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 <i>Olea</i> 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
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.

3.114.2 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 3.114.3
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 <i>Olea</i> 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.

3.114.3 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	
<i>Pseudomonas syringae</i> pv. <i>garcae</i>	Growing season inspection in PEQ for disease symptom expression
<i>Xylella fastidiosa</i>	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
Olive latent 2 virus	PCR
Olive latent ringspot virus	PCR

Organism Types	MPI-Accepted Methods
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.

3.115 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, <i>Xylella fastidiosa</i>
Whole plants	Option 1: Whole plants of the genus <i>Oxalis</i> except <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.1
	Option 2: Whole plants of the species <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.115.2
Cuttings	Option 1: Cuttings of the genus <i>Oxalis</i> except <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.3
	Option 2: Cuttings of the species <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.115.4
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.5
Dormant bulbs	Option 1: Dormant bulbs of the genus <i>Oxalis</i> , except <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.6

	Option 2: Dormant bulbs of <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> 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 <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.7
	Option 3: Dormant bulbs of <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> 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 <i>Xylella fastidiosa</i> Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.8
	Option 4: Dormant bulbs of <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> 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 <i>Xylella fastidiosa</i> Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.9
	Option 5: Dormant bulbs of <i>Oxalis deppei</i> and <i>Oxalis tuberosa</i> 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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.115.10

3.115.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.2 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.3 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.4 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.5 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Virus diseases	<i>Oxalis deppei</i> and <i>Oxalis tuberosa</i>	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.”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.6 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.7 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>
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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.8 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 <i>Xylella fastidiosa</i> Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.9 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 <i>Xylella fastidiosa</i> Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i>
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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.115.10 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.116 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	“ <i>Candidatus Phytoplasma solani</i> ”, <i>Cronartium flaccidum</i> , <i>Phymatotrichopsis omnivora</i>
Dormant Tubers	Option 1: Dormant tubers with a pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> 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 3.116.1
	Option 2: Dormant tubers with a pest free place of production additional declaration for <i>Phymatotrichopsis omnivora</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.116.2

3.116.1 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
“ <i>Candidatus Phytoplasma solani</i> ”	All species	Refer to 2.5
<i>Cronartium flaccidum</i>	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 <i>Cronartium flaccidum</i>”.

Pest	Applies to	Condition
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”.

3.116.2 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
“ <i>Candidatus Phytoplasma solani</i> ”	All species	Refer to 2.5
<i>Cronartium flaccidum</i>	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 <i>Cronartium flaccidum</i>”.
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”. 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.

3.117 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	<i>Cronartium flaccidum</i> , Phytoplasma 16SrXII – “stolbur”, <i>Pleiocarpon algeriense</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings with a pest freedom declaration for phytoplasmas and <i>Pleiocarpon algeriense</i> Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.117.1
	Option 2: Whole plants and cuttings without a pest freedom declaration for phytoplasmas or <i>Pleiocarpon algeriense</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.117.2
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 3.117.3

3.117.1 Whole plants, Cuttings **option 1**

- (4) This option applies to whole plants and cuttings **with** pest freedom declarations for phytoplasma **and** *Pleiocarpon algeriense*
- (5) General requirements for whole plants and cuttings are set out in 1.10.
- (6) 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 <i>Pinus</i> tree

Pest	Applies to	Condition
<i>Cronartium flaccidum</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: “<i>Cronartium flaccidum</i> 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”.

Pest	Applies to	Condition
<i>Pleiocarpon algeriense</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • “The [insert species name] plants were produced in a ‘pest free area’ free from <i>Pleiocarpon algeriense</i>” OR • “The [insert species name] plants were produced in a ‘pest free place of production’ free from <i>Pleiocarpon algeriense</i>” OR • “The [insert species name] plants have been produced in [insert country name], which is free from <i>Pleiocarpon algeriense</i>”
Phytoplasma 16SrXII – “stolbur”	All species	Refer to 2.5

3.117.2 Whole plants, Cuttings option 2

- (1) This option applies to whole plants and cuttings **without** pest freedom declarations for phytoplasmas **and** *Pleiocarpon algeriense*
- (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

Pest	Applies to	Condition
<i>Cronartium flaccidum</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: • “<i>Cronartium flaccidum</i> 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

3.117.3 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
Phytoplasma 16SrXII – “stolbur”	All species	Refer to 2.5

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3.118 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

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3.119 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	<i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (Psa), <i>Phytophthora palmivora</i> , Witches broom phytoplasma, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.119.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.119.2

3.119.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
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]”.
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.

Pest	Applies to	Condition
<i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (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 <i>Pseudomonas syringae</i> pv <i>actinidiae</i>”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.119.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (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 <i>Pseudomonas syringae</i> pv <i>actinidiae</i>”
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]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.120 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	“ <i>Candidatus</i> Phytoplasma australasiaticum”, Phytoplasma 16Srl – aster yellows, <i>Ralstonia pseudosolanacearum</i> , Tomato chlorosis virus , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> . Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.120.1
	Option 2: Whole plants and cuttings without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> . Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.120.2
Tissue cultures	Option 1: Tissue cultures with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> . Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.120.3
	Option 2: Tissue cultures without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> . Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.120.4

3.120.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>" 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 <i>Ralstonia pseudosolanacearum</i>" 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 <i>Ralstonia pseudosolanacearum</i>"
Tomato chlorosis 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 have been produced in [insert country name], which is free from Tomato chlorosis virus". OR • "The [insert species name] plants have been produced in a 'pest free area' free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus". Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.120.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	All species	Growing season inspection in PEQ for symptom expression AND - Plating on selective media OR - PCR
Tomato chlorosis 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 have been produced in [insert country name], which is free from Tomato chlorosis virus". OR "The [insert species name] plants have been produced in a 'pest free area' free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus". Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.120.3 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, tomato chlorosis virus or <i>Xylella fastidiosa</i>

Post-entry quarantine	Not required, unless required by measures for phytoplasmas, tomato chlorosis virus or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>" 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 <i>Ralstonia pseudosolanacearum</i>" 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 <i>Ralstonia pseudosolanacearum</i>"
Tomato chlorosis 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 have been produced in [insert country name], which is free from Tomato chlorosis virus". OR • "The [insert species name] plants have been produced in a 'pest free area' free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus". Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.120.4 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australasiaticum" and Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	All species	Growing season inspection in PEQ for symptom expression AND • Plating on selective media OR • PCR
Tomato chlorosis 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 have been produced in [insert country name], which is free from Tomato chlorosis virus". OR • "The [insert species name] plants have been produced in a 'pest free area' free from Tomato chlorosis 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 methodology and found free from Tomato chlorosis virus". Option 2: Testing in PEQ Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.121 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	“ <i>Candidatus</i> Phytoplasma australasiaticum”, <i>Phytophthora palmivora</i> , Phytoplasma 16Srl – 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 3.121.1 for GMO requirements and 3.121.2
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or using the “testing in PEQ” condition for any quarantine pests of <i>Petunia</i> PEQ: Not required, unless required by measures for phytoplasmas or using the “testing in PEQ” condition for any quarantine pests of <i>Petunia</i> Special conditions: Refer to 3.121.1 for GMO requirements and 3.121.3

3.121.1 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 website at <https://www.mpi.govt.nz/import/plants-flowers-seeds-plant-growing-products/seeds-for-sowing/Genetically-Modified-seeds-and-nursery-stock/>.

3.121.2 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
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
“ <i>Candidatus</i> 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

3.121.3 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 <i>Petunia</i>
Post-entry quarantine	Required only if using the “testing in PEQ” condition for any quarantine pests of <i>Petunia</i> 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
“ <i>Candidatus</i> 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

3.122 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, <i>Phytophthora palmivora</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings in growing media from countries other than Taiwan Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.122.1
	Option 2: Whole plants and cuttings in growing media from Taiwan Import permit: Not required PEQ: Not required Special conditions: Refer to 3.122.2
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to the general requirements in 1.11

3.122.1 Whole plants, Cuttings option 1

- (1) This option applies to whole plants and cutting in growing media from countries other than Taiwan.
- (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

Pest	Applies to	Condition
Orchid fleck dichorhavirus	All species	Growing season inspection in PEQ for symptom expression.

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.

3.122.2 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
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”.

Pest	Applies to	Condition
		OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.

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3.123 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	“ <i>Candidatus</i> 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 3.123.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or tomato ringspot virus PEQ: Not required, unless required by measures for phytoplasmas or tomato ringspot virus Special conditions: Refer to 3.123.2

3.123.1 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
“ <i>Candidatus</i> Phytoplasma australasiaticum”	All species	Refer to 2.5

Pest	Applies to	Condition
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” 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

3.123.2 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 tomato ringspot virus	
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or tomato ringspot virus	
Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma australasiaticum”	All species	Refer to 2.5

Pest	Applies to	Condition
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” 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

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3.124 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, <i>Phytophthora palmivora</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.124.1
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.124.2

3.124.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Cadang cadang, lethal yellowing and <i>Fusarium oxysporum</i> f.sp. <i>canariensis</i>	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “Cadang cadang, lethal yellowing and <i>Fusarium oxysporum</i> f.sp. <i>canariensis</i> are not known to occur in [the country or state where the plants were grown]”.

Pest	Applies to	Condition
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.124.2 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 <i>Xylella fastidiosa</i>

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]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.125 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	“ <i>Candidatus</i> Phytoplasma australiense” (strains not in New Zealand), <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.125.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.125.2

3.125.1 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 <i>Xylella fastidiosa</i>	
Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma australiense” (strains not in New Zealand)	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.125.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma australiense"	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.126 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	<i>Gymnosporangium</i> spp., <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.126.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.126.2

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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Gymnosporangium</i> spp.	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “<i>Gymnosporangium</i> 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”.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.126.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.127 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, <i>Phellinus noxius</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.127.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.127.2
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.127.3

3.127.1 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
<i>Phellinus noxius</i>	<i>Zelkova serrata</i>	Refer to 2.2

3.127.2 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

3.127.3 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

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3.128 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	<i>Ceratocystis platani</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.128.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.128.2

3.128.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis platani</i>	All species	Option 1: For countries where <i>Ceratocystis platani</i> 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 <i>Ceratocystis platani</i>.” Option 2: For countries where <i>Ceratocystis platani</i> 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 <i>Ceratocystis platani</i> or from a ‘pest free place of production’ free from <i>Ceratocystis platani</i>” AND - The plants must be tested for <i>Ceratocystis platani</i> during the post-entry quarantine period by an MPI-approved supplier of identification and diagnostic services for material in quarantine.
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.129 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	<i>Ceratocystis fimbriata</i> , <i>Marssonina spp.</i> , <i>Phellinus noxius</i> , <i>Phytophthora ramorum</i> , Uredinales, Virus diseases, <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.129.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.129.2
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.129.3

3.129.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the <i>Populus</i> genus	Refer to 2.1
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.129.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the <i>Populus</i> genus	Refer to 2.1
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.129.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

Consultation

3.130 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	“ <i>Candidatus Phytoplasma solani</i> ”, Cucumber green mottle mosaic virus, <i>Phytophthora capsici</i> , <i>Phytoplasma 16SrI</i> – aster yellows, <i>Phytoplasma 16SrXII</i> – “stolbur”, tomato brown rugose fruit virus, <i>Xylella fastidiosa</i>
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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.130.1
	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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.130.2
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 <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.130.3
	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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.130.4

3.130.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species of the <i>Portulaca</i> genus	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".
<i>Phytophthora capsici</i>	All species of the <i>Portulaca</i> 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 <i>Phytophthora capsici</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>"
Tomato brown rugose fruit virus	All species of the <i>Portulaca</i> genus	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".
<i>Xylella fastidiosa</i>	All species of the genera <i>Amaranthus</i> and <i>Portulaca</i>	Refer to 2.4

3.130.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species of the <i>Portulaca</i> genus	Refer to 2.5
Cucumber green mottle mosaic virus	All species	Testing in PEQ with PCR-based methods
<i>Phytophthora capsici</i>	All species of the <i>Portulaca</i> 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 <i>Phytophthora capsici</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>" OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>"
Tomato brown rugose fruit virus	All species of the <i>Portulaca</i> genus	Testing in PEQ with PCR-based methods
<i>Xylella fastidiosa</i>	All species of the <i>Portulaca</i> genus	Refer to 2.4

3.130.3 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani", Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – "stolbur"	All species of the <i>Portulaca</i> genus	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".
Tomato brown rugose fruit virus	All species of the <i>Portulaca</i> genus	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".
<i>Xylella fastidiosa</i>	All species of the genera <i>Amaranthus</i> and <i>Portulaca</i>	Refer to 2.4

3.130.4 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma solani",	All species of the <i>Portulaca</i> genus	Refer to 2.5

Pest	Applies to	Condition
Phytoplasma 16SrI – aster yellows and Phytoplasma 16SrXII – “stolbur”		
Cucumber green mottle mosaic virus	All species	Testing in PEQ with PCR-based methods
Tomato brown rugose fruit virus	All species of the <i>Portulaca</i> genus	Testing in PEQ with PCR-based methods
<i>Xylella fastidiosa</i>	All species of the <i>Portulaca</i> genus	Refer to 2.4

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3.131 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	<i>Bursaphelenchus</i> spp., <i>Lophodermium</i> spp., <i>Phytophthora ramorum</i> , <i>Uredinales</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.131.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.131.2

3.131.1 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
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.131.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.132 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)

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3.133 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	<i>Ceratocystis fagacearum</i> , <i>Ceratocystis fimbriata</i> , <i>Cronartium quercuum</i> , <i>Cryphonectria parasitica</i> , <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.133.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.133.2

3.133.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the <i>Quercus</i> genus	Refer to 2.1
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.133.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.134 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	<i>Phymatotrichopsis omnivora</i> , Virus diseases, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum Period: 6 months Special conditions: Refer to 3.134.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.134.2
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 3.134.3
	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 3.134.4
	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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.134.5
	Option 4: Dormant bulbs with a pest free area additional declaration for <i>Phymatotrichopsis omnivora</i> ; imported from countries other than Australia, South Africa and the United States of America; and recognised by MPI as free from <i>Xylella fastidiosa</i> Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.134.6
	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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.134.7

3.134.1 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.134.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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.”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.134.3 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.134.4 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
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.134.5 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phymatotrachopsis omnivora</i>	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 <i>Phymatotrachopsis omnivora</i>”. 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 <i>Phymatotrachopsis omnivora</i>”. 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
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.”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.134.6 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 *Phymatotrachopsis 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
<i>Phymatotrachopsis omnivora</i>	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 <i>Phymatotrachopsis omnivora</i>”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.134.7 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
<i>Phymatotrichopsis omnivora</i>	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 <i>Phymatotrichopsis omnivora</i>”. 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.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.135 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: <i>Lyonia</i> .
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	“ <i>Candidatus</i> Phytoplasma solani”, “ <i>Candidatus</i> Phytoplasma trifolii”, <i>Microsphaera</i> spp., <i>Ovulinia azalea</i> , <i>Phellinus noxius</i> , <i>Phytophthora ramorum</i> , 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 3.135.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas Special conditions: Refer to 3.135.2
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 3.135.3

3.135.1 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
“ <i>Candidatus</i> Phytoplasma solani” and “ <i>Candidatus</i> Phytoplasma trifolii”	Species of the genus <i>Rhododendron</i>	Refer to 2.5
<i>Microsphaera</i> spp. and the following rust diseases: <i>Aecidium rhododendri</i> , <i>Aecidium sinorhododendri</i> , <i>Chrysomyxa ledi</i> , <i>Chrysomyxa ledicola</i> , <i>Chrysomyxa dieteli</i> ,	All species	Option 1 The following additional declaration must be endorsed on the phytosanitary certificate: “<i>Microsphaera</i> spp., and the following rust diseases are not known to occur on <i>Rhododendron</i> spp. in [the country or state where the plants were grown]”.

Pest	Applies to	Condition
<i>Chrysomyxa expansa</i> , <i>Chrysomyxa himalensis</i> , <i>Chrysomyxa komarovii</i> , <i>Chrysomyxa piperiana</i> , <i>Chrysomyxa roanensis</i> , <i>Chrysomyxa succinea</i> , <i>Chrysomyxa taghishae</i> , <i>Puccinia rhododendri</i> , <i>Pucciniastrum vaccinii</i>		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.
<i>Phellinus noxius</i>	<i>Rhododendron xobtusum</i>	Refer to 2.2
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.135.2 Cuttings

- General requirements for cuttings are set out in 1.10.
- 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
" <i>Candidatus</i> Phytoplasma solani" and " <i>Candidatus</i> Phytoplasma trifolii"	Species of the genus <i>Rhododendron</i>	Refer to 2.5
<i>Microsphaera</i> spp. and the following rust diseases: <i>Aecidium rhododendri</i> , <i>Aecidium sinorhododendri</i> , <i>Chrysomyxa ledi</i> , <i>Chrysomyxa ledicola</i> , <i>Chrysomyxa dieteli</i> , <i>Chrysomyxa expansa</i> , <i>Chrysomyxa himalensis</i> , <i>Chrysomyxa komarovii</i> , <i>Chrysomyxa piperiana</i> , <i>Chrysomyxa roanensis</i> , <i>Chrysomyxa succinea</i> , <i>Chrysomyxa taghishae</i> , <i>Puccinia rhododendri</i> , <i>Pucciniastrum vaccinii</i>	All species	Option 1 The following additional declaration must be endorsed on the phytosanitary certificate: "<i>Microsphaera</i> spp., and the following rust diseases are not known to occur on <i>Rhododendron</i> 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.
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.135.3 Tissue cultures

- General requirements for tissue cultures are set out in 1.11.
- 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
" <i>Candidatus</i> Phytoplasma solani" and " <i>Candidatus</i> Phytoplasma trifolii"	Species of the genus <i>Rhododendron</i>	Refer to 2.5

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3.136 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

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Consultation

3.137 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	<i>Phellinus noxius</i> , Pucciniales
	Oomycetes	<i>Phytophthora ramorum</i>
	Bacteria	<i>Ralstonia pseudosolanacearum</i> , <i>Xylella fastidiosa</i>
	Viruses	Blackberry chlorotic ringspot virus, grapevine pinot gris virus, raspberry ringspot virus (strains not in New Zealand), rose rosette virus
	Phytoplasmas	“ <i>Candidatus</i> Phytoplasma australasiaticum”, “ <i>Candidatus</i> Phytoplasma mali”, Phytoplasma 16SrI – aster yellows, Phytoplasma 16SrXII – “stolbur”
Whole plants		Option 1: Whole plants with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum Period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.1
		Option 2: Whole plants without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.2
Cuttings		Option 1: Non-dormant cuttings with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.3
		Option 2: Dormant cuttings with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.4

	Option 3: Cuttings without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.5
Tissue cultures	Option 1: Tissue cultures with a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.6
	Option 2: Tissue cultures without a pest freedom additional declaration for <i>Ralstonia pseudosolanacearum</i> Import permit: Required PEQ: Level 3A Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.137.7

3.137.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “The <i>Rosa</i> plants in this consignment were produced in a ‘pest free area’ for Grapevine Pinot gris virus”. OR “The <i>Rosa</i> 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.
<i>Phytophthora ramorum</i>	<i>Rosa gymnocarpa</i> , <i>Rosa rugosa</i> , <i>Rosa sempervirens</i> , <i>Rosa</i> cultivar Pink Meidiland, <i>Rosa</i> cultivar Pink Sevilana, <i>Rosa</i> cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
<i>Phellinus noxius</i>	All species	Refer to 2.2
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.
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]”
<i>Xylella fastidiosa</i>	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.

3.137.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “The <i>Rosa</i> plants in this consignment were produced in a ‘pest free area’ for Grapevine Pinot gris virus”. OR “The <i>Rosa</i> 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.
<i>Phytophthora ramorum</i>	<i>Rosa gymnocarpa</i> , <i>Rosa rugosa</i> , <i>Rosa sempervirens</i> , <i>Rosa</i> cultivar Pink Meidiland, <i>Rosa</i> cultivar Pink Sevilana, <i>Rosa</i> cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
<i>Phellinus noxius</i>	All species	Refer to 2.2

Pest	Applies to	Condition
<i>Ralstonia pseudosolanacearum</i>	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]"
<i>Xylella fastidiosa</i>	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.

3.137.3 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: "The <i>Rosa</i> plants in this consignment were produced in a 'pest free area' for Grapevine Pinot gris virus". OR "The <i>Rosa</i> 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.
<i>Phytophthora ramorum</i>	<i>Rosa gymnocarpa</i> , <i>Rosa rugosa</i> , <i>Rosa sempervirens</i> , <i>Rosa</i> cultivar Pink Meidiland, <i>Rosa</i> cultivar Pink Sevilana, <i>Rosa</i> cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.
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]”
<i>Xylella fastidiosa</i>	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.

3.137.4 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “The <i>Rosa</i> plants in this consignment were produced in a ‘pest free area’ for Grapevine Pinot gris virus”. OR “The <i>Rosa</i> plants in this consignment were produced in a ‘pest free place of production’ for Grapevine Pinot gris virus”.
<i>Phytophthora ramorum</i>	<i>Rosa gymnocarpa</i> , <i>Rosa rugosa</i> , <i>Rosa sempervirens</i> , <i>Rosa</i> cultivar Pink Meidiland, <i>Rosa</i> cultivar Pink Sevilana, <i>Rosa</i> cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.
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]”
<i>Xylella fastidiosa</i>	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.

3.137.5 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: “The <i>Rosa</i> plants in this consignment were produced in a ‘pest free area’ for Grapevine Pinot gris virus”. OR “The <i>Rosa</i> 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.
<i>Phytophthora ramorum</i>	<i>Rosa gymnocarpa</i> , <i>Rosa rugosa</i> , <i>Rosa sempervirens</i> , <i>Rosa</i> cultivar Pink Meidiland, <i>Rosa</i> cultivar Pink Sevillana, <i>Rosa</i> cultivar Royal Bonica	Refer to 2.3
Phytoplasmas	All species	Refer to 2.5
<i>Ralstonia pseudosolanacearum</i>	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]”
<i>Xylella fastidiosa</i>	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.

3.137.6 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Grapevine pinot gris virus	All species	One of the following Additional Declarations must be endorsed on the phytosanitary certificate: “The <i>Rosa</i> plants in this consignment were produced in a ‘pest free area’ for Grapevine Pinot gris virus”. OR “The <i>Rosa</i> 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
<i>Ralstonia pseudosolanacearum</i>	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 <i>Ralstonia pseudosolanacearum</i>”. 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 <i>Ralstonia pseudosolanacearum</i>”.

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]”
<i>Xylella fastidiosa</i>	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.

3.137.7 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 <i>Xylella fastidiosa</i>

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
<i>Ralstonia pseudosolanacearum</i>	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]”

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	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.

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3.138 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 3.138.1
	Option 2: Cuttings imported from non-approved offshore facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.138.2
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 3.138.3
	Option 2: Tissue cultures imported from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.138.4

3.138.1 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 audit-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 <i>Rubus</i> 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 <i>Rubus</i> 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
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.138.2 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 3.138.5 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 <i>Rubus</i> 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
<i>Phytophthora ramorum</i>	All species	Refer to 2.3

3.138.3 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 audit-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 <i>Rubus</i> 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 <i>Rubus</i> 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.”

3.138.4 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 3.138.5 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.

3.138.5 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
<i>Erwinia amylovora</i> f. sp. <i>rubi</i>	Growing season inspection in PEQ for disease symptom expression AND PCR
<i>Agrobacterium rubi</i>	Growing season inspection in PEQ for disease symptom expression
<i>Xylella fastidiosa</i>	Growing season inspection in PEQ for disease symptom expression AND PCR
Viruses	
Blackberry calico virus	Country freedom OR PCR OR HTS

Organism	MPI-Accepted Methods
Blackberry chlorotic ringspot virus	Country freedom OR PCR OR HTS
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

Organism	MPI-Accepted Methods
Rubus yellow net virus	Country freedom OR PCR OR HTS
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
Raspberry chlorotic net disease	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 PEQ.STD Post-entry quarantine for Plants, 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.

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3.139 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	<i>Erwinia salicis</i> , <i>Melampsora</i> spp., <i>Phellinus noxius</i> , <i>Phytophthora ramorum</i> , Phytoplasma 16SrV – D- “Flavescence dorée” , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or Xylella fastidiosa Special conditions: Refer to 3.139.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or Xylella fastidiosa Special conditions: Refer to 3.139.2
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 3.139.3

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 3B Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or Xylella fastidiosa

Pest	Applies to	Condition
<i>Phellinus noxius</i>	<i>Salix babylonica</i>	Refer to 2.2
Phytoplasma 16SrV – D- “Flavescence dorée”	All species	Refer to 2.5
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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 3B Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species	Refer to 2.3.
Phytoplasma 16SrV – D- “Flavescence dorée”	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.139.3 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 phytoplasmas or <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Phytoplasma 16SrV – D- “Flavescence dorée”	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.140 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	“ <i>Candidatus Phytoplasma solani</i> ”, Uredinales, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.140.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.140.2

3.140.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
“ <i>Candidatus Phytoplasma solani</i> ”	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 <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [the host species being imported] in [the country in which the plants were grown].”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.140.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> <i>Phytoplasma solani</i> "	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.141 Senecio

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under Delphinium”
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 16Srl – aster yellows, Uredinales, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.141.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.141.2

3.141.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	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 <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [the host species being imported] in [the country in which the plants were grown].”

3.141.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.142 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” <i>Suspended species: All species in the genera <i>Cestrum</i>, <i>Fabiana</i>, <i>Lochroma</i>, <i>Scopolia</i>.</i>
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	Columnnea 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 3.142.1
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 3.142.2
	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 3.142.2

3.142.1 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	<i>Brunfelsia undulata</i> , <i>Gloxinia gymnostoma</i> , <i>Nematanthus wettsteinii</i>	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 <i>Columnea latent viroid</i> 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 <i>Columnea latent viroid</i>”.
		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 <i>Potato spindle tuber viroid</i> 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 <i>Potato spindle tuber viroid</i>”.
		Option 2: Testing in PEQ Testing in PEQ with PCR-based methods
Tomato apical stunt viroid	All species of the <i>Cestrum</i> 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 <i>Tomato apical stunt viroid</i> 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 <i>Tomato apical stunt viroid</i>”.
		Option 2: Testing in PEQ Testing in PEQ with PCR-based methods

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	All species of the <i>Calibrachoa</i> 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

3.142.2 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	<i>Brunfelsia undulata</i> , <i>Gloxinia gymnostoma</i> , <i>Nematanthus wettsteinii</i>	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

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 with PCR-based methods
Tomato apical stunt viroid	All species of the <i>Cestrum</i> 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 <i>Calibrachoa</i> 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

3.143 *Solanum tuberosum*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Solanum tuberosum</i> ”
Approved commodities	Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: <i>Solanum tuberosum</i> 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 3.143.1
	Option 2: Tissue cultures imported from non-approved offshore facilities Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.143.2

3.143.1 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 MPI's website.](#)

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 <i>Solanum tuberosum</i> 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 <i>Solanum tuberosum</i> 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.”

3.143.2 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 3.143.3.
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.

3.143.3 Inspection, testing and treatment requirements for *Solanum tuberosum*

Organism	MPI-Accepted Methods
Mites	Binocular microscope inspection
Fungi	
<i>Aecidium cantensis</i>	Growing season inspection in PEQ for disease symptom expression.
<i>Phoma andigena</i> var. <i>andina</i>	Growing season inspection in PEQ for disease symptom expression.
<i>Synchytrium endobioticum</i>	Growing season inspection in PEQ for disease symptom expression.
Oomycetes	
<i>Phytophthora capsici</i>	Growing season inspection in PEQ for disease symptom expression.
<i>Phytophthora infestans</i> (A2 mating strain)	Growing season inspection in PEQ for disease symptom expression.
<i>Phytophthora palmivora</i>	Growing season inspection in PEQ for disease symptom expression.
Bacteria	

Organism	MPI-Accepted Methods
" <i>Candidatus Liberibacter solanacearum</i> " haplotype B	Growing season inspection in PEQ for disease symptom expression AND PCR
<i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i>	Immunofluorescence OR ELISA AND grow plantlets on Murashige and Skoog medium OR PCR AND grow plantlets on Murashige and Skoog medium
<i>Dickeya chrysanthemi</i> pv. <i>chrysanthemi</i>	Plating on selective pectate media OR PCR
<i>Dickeya chrysanthemi</i> pv. <i>parthenii</i>	Plating on selective pectate media OR PCR
<i>Dickeya paradisiaca</i>	Plating on selective pectate media OR PCR
<i>Dickeya solani</i>	Plating on selective pectate media OR PCR
<i>Pectobacterium betavascularum</i>	Plating on selective pectate media OR PCR
<i>Pectobacterium polaris</i>	Plating on selective pectate media OR PCR
<i>Ralstonia pseudosolanacearum</i> (formerly <i>R. solanacearum</i> race 1)	Plating on selective media OR PCR
<i>Xylella fastidiosa</i>	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	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 NZ]	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 <i>et al.</i> 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.

3.144 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, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.144.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i>

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].”
<i>Xylella fastidiosa</i>	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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.145 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 3.145.1
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 3.145.2

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	
Pest	Applies to	Condition
Phytoplasma 16SrIII – X-disease	All species	Refer to 2.5

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	
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

3.146 *Teucrium*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Teucrium</i> ”
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Fusarium circinatum</i> , <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Option 1: Whole plants and cuttings with a pest freedom additional declaration for <i>Fusarium circinatum</i> Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.146.1
	Option 2: Whole plants and cuttings without a pest freedom additional declaration for <i>Fusarium circinatum</i> Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.146.2
Tissue cultures	Option 1: Tissue cultures with a pest freedom additional declaration for <i>Fusarium circinatum</i> Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.146.3
	Option 2: Tissue cultures without a pest freedom additional declaration for <i>Fusarium circinatum</i> Import permit: Required PEQ: Level 3B Minimum period: 6 months Special conditions: Refer to 3.146.4

3.146.1 Whole plants, Cuttings option 1

- (1) This option applies to all whole plants and cuttings **with** a pest freedom additional declaration for *Fusarium circinatum*
- (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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Fusarium circinatum</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: “The [insert plant species] plants have been produced in 'pest free area' free from <i>Fusarium circinatum</i> (syn. <i>Fusarium subglutinans</i> f sp. <i>pini</i>)”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.146.2 Whole plants, Cuttings option 2

- (1) This option applies to whole plants and cuttings **without** a pest freedom additional declaration for *Fusarium circinatum*
- (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
<i>Fusarium circinatum</i>	All species	Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.146.3 Tissue cultures option 1

- (1) This option applies to tissue cultures **with** a pest freedom additional declaration for *Fusarium circinatum*
- (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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Fusarium circinatum</i>	All species	The following additional declarations must be endorsed on the phytosanitary certificate: “The [insert plant species] plants have been produced in 'pest free area' free from <i>Fusarium circinatum</i> (syn. <i>Fusarium subglutinans</i> f sp. <i>pini</i>)”
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.146.4 Tissue cultures option 2

- (1) This option applies to tissue cultures **without** a pest freedom additional declaration 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
<i>Fusarium circinatum</i>	All species	Testing in PEQ using PCR-based methods
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.147 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	“ <i>Candidatus</i> Phytoplasma mali”, “ <i>Candidatus</i> Phytoplasma solani”, Phytoplasma 16Srl – aster yellows, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.147.1
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.147.2

3.147.1 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 <i>Xylella fastidiosa</i>	
Pest	Applies to	Condition
“ <i>Candidatus</i> Phytoplasma mali”, “ <i>Candidatus</i> Phytoplasma solani”, Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.147.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
" <i>Candidatus</i> Phytoplasma mali", " <i>Candidatus</i> Phytoplasma solani", Phytoplasma 16Srl – aster yellows	All species	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.148 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: <i>Tricyrtis</i> .
Approved commodities	Whole plants Cuttings Tissue cultures
Approved countries	All
Quarantine pests	<i>Phytophthora ramorum</i> , <i>Tetranychus kanzawai</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.148.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11

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

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species of the genus <i>Loropetalum</i>	Refer to 2.3

3.149 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: <i>Watsonia</i> .
Approved commodities	Whole plants Cuttings Tissue cultures Dormant bulbs
Approved countries	All
Quarantine pests	<i>Puccinia gladioli</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.149.1
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 3.149.2
	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 3.149.3
	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 3.149.4

	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 3.149.5

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: 6 months

Pest	Applies to	Condition
<i>Puccinia gladioli</i>	All species	One of the following additional declarations must be endorsed on the phytosanitary certificate: • “<i>Puccinia gladioli</i> 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 <i>Puccinia gladioli</i> was not detected”

3.149.2 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.”

3.149.3 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

3.149.4 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."

3.149.5 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.

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Consultation

3.150 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 3.150.1
	Option 2: Tissue cultures not inspected and tested offshore Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.150.2
Dormant bulbs	Option 1: Dormant bulbs imported from the Netherlands Import permit: Not required PEQ: Not required Special conditions: Refer to 3.150.3
	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 3.150.4

3.150.1 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 <i>Tulipa</i> 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 <i>Tulipa</i> 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.”

3.150.2 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.

3.150.3 Dormant bulbs option 1

- (1) This option applies to dormant bulbs imported from the Netherlands
- (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 <i>Tulipa</i> 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 <i>Tulipa</i> 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."

3.150.4 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 <i>Tulipa</i> 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 <i>Tulipa</i> 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."

Consultation

3.151 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	<i>Ceratocystis fimbriata</i> , elm mosaic virus, elm phloem necrosis, <i>Phellinus noxius</i> , <i>Phytophthora ramorum</i> , <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.151.1
Cuttings	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.151.2
Tissue cultures	Import permit: Required PEQ: Level 3B Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.151.3

3.151.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the genus <i>Ulmus</i>	Refer to 2.1
<i>Phellinus noxius</i>	<i>Ulmus parvifolia</i>	Refer to 2.2
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.151.2 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Ceratocystis fimbriata</i>	All species of the genus <i>Ulmus</i>	Refer to 2.1
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.151.3 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

Consultation

3.152 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 3.152.1
	Option 2: Cuttings from non-approved offshore facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.152.2
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 3.152.3
	Option 2: Tissue cultures from non-approved offshore facilities Import permit: Required PEQ: Level 3A Minimum period: 9 months Special conditions: Refer to 3.152.4
	Option 3: Tissue cultures from non-approved offshore facilities Import permit: Required PEQ: Level 3B Minimum period: 9 months Special conditions: Refer to 3.152.5

3.152.1 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 3.152.6

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 <i>Vaccinium</i> 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 <i>Vaccinium</i> 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.”

3.152.2 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 3.152.6.
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 <i>Vaccinium</i> 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.

3.152.3 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 3.152.6
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 <i>Vaccinium</i> 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 <i>Vaccinium</i> 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."

3.152.4 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 3.152.6
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 <i>Vaccinium</i> 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 <i>Phytophthora ramorum</i>.
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 <i>Phytophthora ramorum</i> 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 <i>Phytophthora ramorum</i>. - 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 <i>Monilinia vaccinii-corymbosi</i>.
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 <i>Phytophthora ramorum</i>: • “The <i>Vaccinium</i> tissue cultures in this consignment have been sourced from a ‘Pest Free Area’ free from <i>Phytophthora ramorum</i>”.

3.152.5 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 3.152.6
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 <i>Vaccinium</i> 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.

3.152.6 Inspection, testing and treatment requirements for *Vaccinium*

Organism types	MPI-accepted methods
Fungi	Growing season inspection in PEQ for disease symptom expression
<i>Diaporthe vaccinii</i>	PCR OR Plating of twig or leaf material onto suitable isolation medium

Organism types	MPI-accepted methods
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	
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

Organism types	MPI-accepted methods
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
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.

3.153 *Vaccinium macrocarpon*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under <i>Vaccinium macrocarpon</i> "
Approved commodities	Cuttings (dormant) Tissue cultures
Approved countries	All
Quarantine pests	Refer to Appendix 5: <i>Vaccinium macrocarpon</i> 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 3.153.1
	Option 2: Cuttings imported from non-approved offshore facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.153.2
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 3.153.3
	Option 2: Tissue cultures imported from non-approved offshore facilities Import permit: Required PEQ: Level 3B Minimum period: 9 months Special conditions: Refer to 3.153.4

3.153.1 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 3.153.5
Phytosanitary requirements	<i>Vaccinium macrocarpon</i> plants are subject to testing in PEQ. Refer to 3.153.5. Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities have been undertaken. The <i>Vaccinium macrocarpon</i> 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 <i>Vaccinium</i> 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."

3.153.2 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 3.153.5

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 <i>Vaccinium macrocarpon</i> 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.

3.153.3 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 3.153.5
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 <i>Vaccinium</i> 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 <i>Vaccinium</i> 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.”

3.153.4 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 3.153.5
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 <i>Vaccinium</i> 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.

3.153.5 Inspection, testing and treatment requirements for *Vaccinium macroporon*

Organism types	MPI-accepted methods
Fungi	Growing season inspection in PEQ for disease symptom expression
Bacteria	
<i>Agrobacterium rubi</i>	Growing season inspection in PEQ for disease symptom expression
<i>Xylella fastidiosa</i>	PCR

Organism types	MPI-accepted methods
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.

3.154 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	<i>Tetranychus kanzawai</i> , tomato chlorotic dwarf viroid, Uredinales, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.154.1
Tissue cultures	Option 1: Pest freedom additional declaration for tomato chlorotic dwarf viroid Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.154.2
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 <i>Xylella fastidiosa</i> Special conditions: Refer to 3.154.3

3.154.1 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 <i>Xylella fastidiosa</i>

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.
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]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.154.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

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”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.154.3 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
Tomato chlorotic dwarf viroid	All species	Testing in PEQ with PCR-based methods.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.155 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: <i>Abelmoschus</i> , <i>Anthyllis</i> , <i>Caesalpinia</i> , <i>Celtis</i> , <i>Cenchrus</i> , <i>Chionanthus</i> , <i>Cistus</i> , <i>Clethra</i> , <i>Coronilla</i> , <i>Elaeagnus</i> , <i>Eremophila</i> , <i>Eriogonum</i> , <i>Fagopyrum</i> , <i>Halimium</i> , <i>Inga</i> , <i>Justicia</i> , <i>Koeleruteria</i> , <i>Lippia</i> , <i>Marrubium</i> , <i>Melicytus</i> , <i>Myoporum</i> , <i>Oxydendrum</i> , <i>Phyla</i> , <i>Phytolacca</i> , <i>Pomaderris</i> , <i>Ruta</i> , <i>Sassafras</i> , <i>Schinus</i> , <i>Sidalcea</i> , <i>Stellaria</i> , <i>Stewartia</i> , <i>Swainsona</i> , <i>Talinum</i> .
Approved commodities	Whole plants Cuttings Tissue cultures Suspended commodities: Whole plants and cuttings for <i>Albizia</i> only.
Approved countries	All
Quarantine pests	<i>'Candidatus Phytoplasma solani'</i> , <i>Ceratocystis alfenasii</i> , <i>Ceratocystis fimbriata</i> , <i>Phellinus noxius</i> , <i>Phytophthora capsici</i> , <i>Phytophthora palmivora</i> , <i>Phytophthora ramorum</i> , <i>Phytoplasma 16Srl</i> – aster yellows, <i>Xylella fastidiosa</i>
Whole plants	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.155.1
Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.155.2
Tissue cultures	Import permit: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i> Special conditions: Refer to 3.155.3

3.155.1 Whole plants

- (4) General requirements for whole plants are set out in 1.10.
- (5) 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>'Candidatus Phytoplasma solani'</i>	All species of the <i>Pistacia</i> genus	Refer to 2.5

Pest	Applies to	Condition
<i>Ceratocystis alfenasii</i>	All species of the <i>Ilex</i> genus	Refer to 2.1 (as a member of the <i>Ceratocystis fimbriata sensu lato</i> complex (strains not in New Zealand))
<i>Ceratocystis fimbriata</i>	All species of the following genera: <i>Cassia</i> , <i>Celtis</i> , <i>Inga</i>	Refer to 2.1
<i>Phellinus noxius</i>	All species of the <i>Albizia</i> and <i>Cassia</i> genera AND the following species: <i>Agathis robusta</i> , <i>Celtis sinensis</i> , <i>Grevillea robusta</i> , <i>Ilex rotunda</i> , <i>Lagerstroemia speciosa</i> , <i>Lagerstroemia subcostata</i> , <i>Ligustrum japonicum</i> , <i>Liquidambar formosana</i> , <i>Pistacia chinensis</i>	Refer to 2.2
<i>Phytophthora capsici</i>	All species of the following genera: <i>Abelmoschus</i> , <i>Pistacia</i>	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 <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora capsici</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora capsici</i>”.
<i>Phytophthora palmivora</i>	All species of the following genera: <i>Abelmoschus</i> , <i>Catharanthus</i> , <i>Coronilla</i> , <i>Dodonaea</i> , <i>Grevillea</i> , <i>Pistacia</i>	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 <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR • “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.
<i>Phytophthora ramorum</i>	All species of the following genera: <i>Celtis</i> , <i>Cercis</i> , <i>Cistus</i> , <i>Erica</i> , <i>Grevillea</i> , <i>Ilex</i> , <i>Pistacia</i> , <i>Robinia</i> AND the following species: <i>Veronica spicata</i>	Refer to 2.3

Pest	Applies to	Condition
Phytoplasma 16Srl – aster yellows	All species of the following genera: <i>Hemerocallis</i> and <i>Veronica</i>	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.155.2 Cuttings

- (6) General requirements for cuttings are set out in 1.10.
- (7) 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus Phytoplasma solani</i> '	All species of the <i>Pistacia</i> genus	Refer to 2.5
<i>Ceratocystis alfenasii</i>	All species of the <i>Ilex</i> genus	Refer to 2.1 (as a member of the <i>Ceratocystis fimbriata sensu lato</i> complex (strains not in New Zealand))
<i>Ceratocystis fimbriata</i>	All species of the following genera: <i>Cassia</i> , <i>Celtis</i> and <i>Inga</i>	Refer to 2.1
<i>Phytophthora capsici</i>	All species of the following genera: <i>Abelmoschus</i> , <i>Pistacia</i>	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 <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora capsici</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora capsici</i>".
<i>Phytophthora palmivora</i>	All species of the following genera: <i>Abelmoschus</i> , <i>Catharanthus</i> , <i>Coronilla</i> , <i>Dodonaea</i> , <i>Grevillea</i> , <i>Pistacia</i>	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 <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free area' for <i>Phytophthora palmivora</i>". OR • "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for <i>Phytophthora palmivora</i>".

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species of the following genera: <i>Celtis</i> , <i>Cercis</i> , <i>Cistus</i> , <i>Erica</i> , <i>Grevillea</i> , <i>Ilex</i> , <i>Pistacia</i> , <i>Robinia</i> AND the following species: <i>Veronica spicata</i>	Refer to 2.3
Phytoplasma 16Srl – aster yellows	All species of the following genera: <i>Hemerocallis</i> and <i>Veronica</i>	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.155.3 Tissue cultures

- (8) General requirements for tissue cultures are set out in 1.11.
- (9) Specific requirements are detailed below.

Import permit	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for phytoplasmas or <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
' <i>Candidatus Phytoplasma solani</i> '	All species of the <i>Pistacia</i> genus	Refer to 2.5
Phytoplasma 16Srl – aster yellows	All species of the following genera: <i>Hemerocallis</i> and <i>Veronica</i>	Refer to 2.5
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.156 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	<i>Phytophthora ramorum</i> , Uredinales, <i>Xylella fastidiosa</i>
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 3 months, or 6 months if required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.156.1
Tissue cultures	Import permit: Not required, unless required by measures for <i>Xylella fastidiosa</i> PEQ: Not required, unless required by measures for <i>Xylella fastidiosa</i> Special conditions: Refer to 3.156.2

3.156.1 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 <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Phytophthora ramorum</i>	All species	Refer to 2.3
Uredinales	All species	The following additional declaration must be endorsed on the phytosanitary certificate: “Rust diseases of genus <i>Coleosporium</i> and <i>Cronatium</i> are not known to occur on [the host species being imported] in [the country in which the plants were grown]”.
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

3.156.2 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 <i>Xylella fastidiosa</i>
Post-entry quarantine	Not required, unless required by measures for <i>Xylella fastidiosa</i>

Pest	Applies to	Condition
<i>Xylella fastidiosa</i>	All species	Refer to 2.4

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3.157 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 3.157.1
	Option 2: Cuttings from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.157.2
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 3.157.3
	Option 2: Tissue cultures from non-approved facilities Import permit: Required PEQ: Level 3B Minimum period: 16 months Special conditions: Refer to 3.157.4

3.157.1 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 3.157.5
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 <i>Vitis</i> 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 <i>Vitis</i> 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 <i>Vitis</i> spp.	The following additional declaration must be endorsed on the phytosanitary certificate: “The <i>Vitis</i> 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.”

3.157.2 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 3.157.5

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 <i>Vitis</i> 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 <i>Vitis</i> spp.	The following additional declaration must be endorsed on the phytosanitary certificate: “The <i>Vitis</i> 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.”

3.157.3 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 3.157.5.

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 <i>Vitis</i> 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 <i>Vitis</i> 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
Syrh decline	All Syrah cultivars of <i>Vitis</i> spp.	The following additional declaration must be endorsed on the phytosanitary certificate: "The <i>Vitis</i> 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."

3.157.4 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 3.157.5

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 <i>Vitis</i> 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 <i>Vitis</i> spp.	The following additional declaration must be endorsed on the phytosanitary certificate: "The <i>Vitis</i> 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."

3.157.5 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.
<i>Agrobacterium rubi</i>	Growing season inspection in PEQ for disease symptom expression AND Hot water treatment (Refer to 3.157.6)
<i>Xanthomonas campestris</i> pv. <i>viticola</i>	Growing season inspection in PEQ for disease symptom expression AND Hot water treatment (Refer to 3.157.6)
<i>Xylophilus ampelinus</i>	Growing season inspection in PEQ for disease symptom expression AND Hot water treatment (Refer to 3.157.6)
<i>Xylella fastidiosa</i>	PCR (two sets, samples to be collected at least four weeks apart) AND Hot water treatment (Refer to 3.157.6)

Organism types	MPI-accepted methods
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	Growing season inspection in PEQ for disease symptom expression
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

Organism types	MPI-accepted methods
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
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

Organism types	MPI-accepted methods
Phytoplasmas	Plants derived from cuttings: Hot water treatment (Refer to 3.157.6) 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.

3.157.6 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.

3.158 *Wollemia nobilis*

Approved species	Species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as “see 155.02.06 under <i>Wollemia nobilis</i> ”
Approved commodities	Tissue cultures
Approved countries	Australia
Quarantine pests	Refer to Appendix 5: <i>Wollemia nobilis</i> Regulated Pests (actionable)
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: Refer to 3.158.1

3.158.1 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 <i>Wollemia nobilis</i> plants <i>in-vitro</i> 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.

3.159 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	<i>Phytophthora palmivora</i>
Cuttings (dormant)	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.159.1
Tissue cultures	Import permit: Not required PEQ: Not required Special conditions: None, refer to general requirements in 1.11.

3.159.1 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
<i>Phytophthora palmivora</i>	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 <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free area’ for <i>Phytophthora palmivora</i>”. OR “The [insert species name] plants in this consignment were produced in a ‘pest free place of production’ for <i>Phytophthora palmivora</i>”.

3.160 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 3.160.1
	Option 2: Tissue cultures without parent stock inspection Import permit: Required PEQ: Level 3B Minimum period: 3 months Special conditions: Refer to 3.160.2
Dormant bulbs	Import permit: Required PEQ: Level 1 Minimum period: 3 months Special conditions: Refer to 3.160.3

3.160.1 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 <i>Zantedeschia</i> 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 <i>Zantedeschia</i> 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”

3.160.2 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

3.160.3 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 <i>Zantedeschia</i> 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 <i>Zantedeschia</i> 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, phytoplasmas and viruses."

3.161 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	<i>Helicobasidium mompa</i> , <i>Ralstonia pseudosolanacearum</i> , virus diseases
Whole plants, Cuttings	Import permit: Required PEQ: Level 2 Minimum period: 6 months Special conditions: Refer to 3.161.1
Tissue cultures	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.161.2
Dormant bulbs	Import permit: Required PEQ: Level 2 Minimum period: 3 months Special conditions: Refer to 3.161.3

3.161.1 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
<i>Ralstonia pseudosolanacearum</i>	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

3.161.2 Tissue cultures

- (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 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
<i>Ralstonia pseudosolanacearum</i>	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."

3.161.3 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
<i>Helicobasidium mompa</i>	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 <i>Helicobasidium mompa</i>.” OR • treated for regulated nematodes and fungi as described in Appendix 4 within 7 days prior to freezing, cold-storage or shipment.”
<i>Ralstonia pseudosolanacearum</i>	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/ispm/

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 PEQ.STD [Post-entry quarantine for Plants](#))

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](#) 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](#) 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

Draft for
Consultation

Appendix 2: Amendment record

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	<i>Solanum tuberosum</i> 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
28	Rubus schedule	21 March 2014

No	Details	Date
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 <i>Ceratocystis fimbriata</i> , with renumbering of subsequent sections). Schedules for Acacia, Acrocomia, Carica, Carya, Carya ovata, Citrus, Delphinium, Eucalyptus, 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 <i>Phellinus noxius</i> , 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 <i>Xylella fastidiosa</i>), 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 <i>Euryops</i> for conditions for <i>Xylella fastidiosa</i> .	4 April 2018
45	Addition of conditions for <i>Phytophthora capsici</i> , <i>P. palmivora</i> and <i>P. tentaculata</i> 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 “ <i>Candidatus Liberibacter solanacearum</i> ” haplotype B, Columbia basin purple top phytoplasma, <i>Pectobacterium polaris</i> and potato Virus H.	26 June 2018
47	Amendment to the Anthurium and Rosa schedules with additions of measures for <i>Ralstonia pseudosolanacearum</i>	25 January 2019
48	Amendment to the Araucaria schedule with addition of <i>Xylella fastidiosa</i> to the “Quarantine Pests” list and also “Conditions for <i>Xylella fastidiosa</i> (section 2.2.1.12), which applies to the members of <i>Broussonetia</i> 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 <i>Ralstonia pseudosolanacearum</i>	7 March 2019
51	Amendment to the Solanum tuberosum schedule with addition of measures for <i>Ralstonia pseudosolanacearum</i>	5 August 2019
52	Amendment to the Vaccinium schedule with addition of measures for <i>Ralstonia pseudosolanacearum</i>	30 August 2019
53	Amendment to the Actinidia schedule and Section 2.2.1.12 “Measures for <i>Xylella fastidiosa</i> ”	29 November 2019
54	Amendment to the Prunus schedule	23 January 2020
55	Amendment to the Ficus schedule with addition of measures for <i>Ralstonia pseudosolanacearum</i>	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 <i>Tetranychus kanzawai</i> .	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 <i>Petunia</i> plants for planting (Whole plants, cuttings and tissue cultures), amendment to information required on GM testing certificates for <i>Petunia</i> plants for planting (Whole plants, cuttings and tissue cultures), removal of the requirement for an import permit for <i>Petunia</i> tissue cultures.	20 May 2020

No	Details	Date
58	Amendment to the Arbutus and Metrosideros schedules editing the <i>Xylella fastidiosa</i> note. Amendment to the Chrysanthemum, Chrysanthemum morifolium and Cichorium schedules to add <i>Xylella fastidiosa</i> 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 Columnnea 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 <i>Ralstonia pseudosolanacearum</i> 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 <i>Xylella fastidiosa</i> 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 <i>Phytophthora ramorum</i>	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 <i>Xylella fastidiosa</i> note. Amendment to the Viburnum schedule to add <i>Xylella fastidiosa</i> 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 <i>Xylella fastidiosa</i> measures. Amendment to Chrysanthemum and Cichorium schedules editing the <i>Xylella fastidiosa</i> note. Amended to the name of the Chrysanthemum morifolium schedule to Chrysanthemum × morifolium and removal of the <i>Xylella fastidiosa</i> note.	13 October 2022
72	Amendment to remove the requirements of <i>Machilus thunbergii</i> and <i>Persea</i> 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 <i>Xylella fastidiosa</i> -free countries, and Lebanon as a country with <i>X. fastidiosa</i> .	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 × giganteus, Paulownia, and Veronica schedules to update <i>Xylella fastidiosa</i> 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 <i>Approved Biosecurity Treatments</i> .	16 October 2023
80	Suspension of: • <i>Ananas comosus</i> whole plants and cuttings only • <i>Artocarpus heterophyllus</i> plants in vitro • <i>Durio zibenthinus</i>, <i>Garcinia mangostana</i> and <i>Nephelium lappaceum</i> whole plants, cuttings. and plants in vitro • <i>Mangifera indica</i>, <i>Musa</i> spp. and <i>Plinia cauliflora</i> whole plants and plants in vitro • <i>Pyrus communis</i> cuttings • <i>Ribes</i> spp. whole plants	16 October 2023
81	Amendment to the import requirements for <i>Ananas comosus</i> , adding requirements for managing <i>Dickeya zeae</i> , <i>Fusarium verticillioides</i> , <i>Pantoea ananatis</i> , <i>Phytophthora cinnamomi</i> , and <i>Phytophthora megakarya</i> .	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 <i>Malva</i> and <i>Portulaca</i> species to manage tomato brown rugose fruit virus, and to <i>Portulaca</i> species to manage cucumber green mottle mosaic virus.	12 January 2024

No	Details	Date
84	Amendment to the Zingiber schedule, adding import requirements to manage <i>Ralstonia pseudosolanacearum</i>	30 January 2024
85	Removed all the requirements for Humulus because they have been updated and moved to a different standard. Removed requirements for <i>Phytophthora tentaculata</i> from the following schedules: Acacia, Aesculus, Arbutus, Chrysanthemum, Cichorium, Delphinium, Gerbera, Verbena and Veronica. Amendment to Veronica schedule to update <i>Xylella fastidiosa</i> measures. Added a PCR test option for <i>Diaporthe vaccinii</i> 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. Zygothiala 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

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/m³)) 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/m³) 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 disinfection 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 (on-shore), plant material must be treated at an MPI-approved offshore 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/m³)) 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/m³) 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:
- 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
 - 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		

Consultation

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/m³) 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 m³ 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/m³) 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 m³ 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.
- The bulbs must be sprayed/dipped using either Abamectin or two active ingredients belonging to different chemical groups chosen from the table below.
 - The treatment time is normally 2 minutes but must be increased to 5 minutes if bubbles remain present on the bulb 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 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
Organochlorine	Dicofol	2–5	...
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

Chemical group	Active ingredient	Dip time (min)	Condition
Organophosphorous	Dimethoate	2–5	Non-dormant material only
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/m³) 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	Conditon
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

<i>Brachycerus muricatus</i>	weevil

<i>Brachycerus undatus</i>	weevil

<i>Ceutorhynchus jakovlevi</i>	onion weevil

Nitidulidae

<i>Carpophilus obsoletus</i>	dried fruit beetle

Diptera

Anthomyiidae

<i>Delia antiqua</i>	onion maggot

<i>Delia florilega</i>	onion fly

Heleomyzidae

<i>Suillia lurida</i>	garlic fly

<i>Suillia univittata</i>	-

Syrphidae

<i>Eumerus amoenus</i>	onion bulb fly

Lepidoptera

Cossidae

<i>Dyspessa ulula</i>	garlic moth

Yponomeutidae

<i>Acrolepia alliella</i>	-

<i>Acrolepia sapporensis</i>	allium leafminer

<i>Acrolepiopsis assectella</i>	leek moth

Thysanoptera

Thripidae

<i>Thrips tabaci</i> [vector]	onion thrips

Mite

Arachnida

Acarina

Acaridae

<i>Rhizoglyphus setosus</i>	bulb mite

Eriophyidae

<i>Aceria tulipae</i> [vector]	wheat curl mite

Nematode

Adenophorea

Dorylaimida

Longidoridae

<i>Paralongidorus maximus</i>	-
Trichodoridae	
<i>Paratrichodorus allius</i>	stubby root nematode
<i>Paratrichodorus minor</i> [vector]	stubby root nematode
<i>Paratrichodorus teres</i>	stubby root nematode
Secernentea	
Tylenchida	
Aphelenchoididae	
<i>Aphelenchoides besseyi</i>	rice white-tip nematode
<i>Aphelenchoides parietinus</i>	-
Belonolaimidae	
<i>Belonolaimus gracilis</i>	sting nematode
Hoplolaimidae	
<i>Helicotylenchus indicus</i>	spiral nematode
<i>Helicotylenchus microlobus</i>	spiral nematode
<i>Helicotylenchus multicinctus</i>	spiral nematode
<i>Hoplolaimus seinhorsti</i>	lance nematode
<i>Rotylenchulus reniformis</i>	reniform nematode
Meloidogynidae	
<i>Meloidogyne arenaria</i>	peanut root knot nematode
<i>Meloidogyne chitwoodi</i>	root knot nematode
Tylenchidae	
<i>Ditylenchus dipsaci</i> [strains not in New Zealand]	stem and bulb nematode
Fungus	
Ascomycota	
Dothideales	
Mycosphaerellaceae	
<i>Mycosphaerella allii-cepae</i> (anamorph <i>Cladosporium allii-cepae</i>)	leaf blotch
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
<i>Armillaria mellea</i> (anamorph <i>Rhizomorpha subcorticalis</i>)	armillaria root rot
Basidiomycota: Teliomycetes	
Uredinales	
Melampsoraceae	
<i>Melampsora allii-fragilis</i>	rust
Pucciniaceae	
<i>Puccinia asparagi</i>	asparagus rust
Basidiomycota: Ustomycetes	
Ustilaginales	
Tilletiaceae	
<i>Urocystis colchici</i>	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 tanacetii strawberry leaf beetle
Galerucella grisea strawberry leaf beetle
Galerucella tenella strawberry leaf beetle
Haltica corrusca fleas beetle
Haltica pagana flea beetle
Paria fragariae strawberry rootworm
Systema 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 Lacombe strawberry root weevil
Geoderces spp. root weevil
Haplidia etrusca root weevil
Hypera brunneipennis Egyptian alfalfa weevil
Myllocerus undecimpustulatus grey weevil

<i>Nemocestes fragariae</i>	strawberry root weevil
<i>Nemocestes incomptus</i>	woods weevil
<i>Nemocestes longulus</i>	strawberry root weevil
<i>Nemocestes sordidus</i>	strawberry root weevil
<i>Orthorhinus aethops</i>	weevil
<i>Otiorhynchus armatus</i>	strawberry root weevil
<i>Otiorhynchus clavipes</i>	red-legged weevil
<i>Otiorhynchus cribricollis</i>	cribrate weevil
<i>Otiorhynchus meridionalis</i>	strawberry root weevil
<i>Otiorhynchus rotundatus</i>	strawberry root weevil
<i>Otiorhynchus rugifrons</i>	strawberry root weevil
<i>Otiorhynchus singularis</i>	strawberry root weevil
<i>Panscopus torpidus</i>	root weevil
<i>Peritelopsis globiventris</i>	grey weevil
<i>Plinthodes taeniatus</i>	root weevil
<i>Polydrusus cervinus</i>	weevil
<i>Polydrusus sericeus</i>	green leaf weevil
<i>Rhadinusomus lacordairei</i>	thin strawberry weevil
<i>Rhinaria perdix</i>	strawberry weevil
<i>Rhynchites germanicus</i>	strawberry rhynchites
<i>Sciaphilus asperatus</i>	strawberry root weevil
<i>Sciopithes obscurus</i>	obscure root weevil
<i>Sitona hispidulus</i>	root weevil
<i>Strophomorphus porcellus</i>	weevil
<i>Thricolepis inornata</i>	root weevil
<i>Trigonoscuta pilosa</i>	root weevil
<i>Tyloderma fragariae</i>	strawberry crown borer
Elaterridae	
Agriotes spp. (species not in New Zealand)	click beetles
Nitidulidae	
<i>Carpophilus fumatus</i>	sap beetle
<i>Glischrochilus hortensis</i>	sap beetle
<i>Lobiopa insularis</i>	strawberry borer
<i>Stelidota</i> spp.	sap beetles
<i>Stelidota geminata</i>	strawberry sap beetle
Scarabaeidae	
<i>Anoplognathus porosus</i>	Christmas beetle
<i>Cetonia</i> spp.	chafers
<i>Cyclocephala borealis</i>	northern masked chafer
<i>Hoplia</i> spp.	white grubs
<i>Lepidiota frenchi</i>	French's cane grub
<i>Melolontha melolontha</i>	cockchafer
<i>Metanastes vulgivagus</i>	black beetle
<i>Phyllopertha horticola</i>	garden chafer
<i>Phyllophaga decimlineata</i>	ten-lined June beetle

<i>Phyllophaga perversa</i>	western ten-lined June beetle
<i>Popillia japonica</i>	Japanese beetle
<i>Repsimus aeneus</i>	white grub
<i>Rhopaea magnicornis</i>	large pasture scarab
<i>Serica</i> spp.	white grubs
<i>Sericesthis geminata</i>	priunose scarab
<i>Sericesthis nigrolineata</i>	dusky pasture scarab
Scolytidae	
<i>Poecilips cardamomi</i>	bark beetle
Silphidae	
<i>Heterosilpha aenescens</i>	carrion beetle
Collembola	
Sminthuridae	
<i>Bourletiella arvalis dorsobscura</i>	garden springtail
<i>Sminthurus multidentatus</i>	garden springtail
Diptera	
Agromyzidae	
<i>Agromyza fragariae</i>	strawberry leafminer
<i>Agromyza spiraeae</i>	rose leafminer
Tipulidae	
<i>Tipula</i> spp.	leatherjackets
Hemiptera	
Anthocoridae	
<i>Orius laevigatus</i>	plant bug
Lygaeidae	
<i>Euander lacertosus</i>	lygaeid bug
<i>Nysius clevelandensis</i>	grey cluster bug
<i>Nysius</i> spp.	bugs
<i>Nysius vinitor</i>	Rutherglen bug
Miridae	
<i>Calocoris hobartensis</i>	capsid
<i>Lygocoris pabulinus</i>	common green capsid
<i>Lygus elisus</i>	pale legume bug
<i>Lygus hesperus</i>	tarnished plant bug
<i>Lygus lineolaris</i>	tarnished plant bug
<i>Lygus rugulipennis</i>	tarnished plant bug
<i>Plagiognathus arbustorum</i>	stink bug
<i>Plagiognathus chrysanthemi</i>	stink bug
<i>Scolopostethus</i> spp.	plant bugs
Pentatomidae	
<i>Acrosternum hilare</i>	green stink bug
<i>Dolycoris baccarum</i>	stink bug
Pyrhocoridae	
<i>Dindymus versicolor</i>	harlequin bug
Homoptera	

Aleyrodidae

<i>Aleyrodes lonicerae</i>	strawberry whitefly
<i>Trialeurodes fernaldi</i>	whitefly
<i>Trialeurodes packardi</i>	strawberry whitefly
<i>Trialeurodes ruborum</i>	whitefly

Aphididae

<i>Acyrtosiphon malvae rogersii</i>	strawberry aphid
<i>Amphorophora agathonica</i>	strawberry aphid
<i>Aphis fabae</i>	bean aphid
<i>Aphis forbesi</i>	strawberry root aphid
<i>Aphis gossypii</i> [vector]	cotton aphid
<i>Aphis rubifolii</i>	raspberry aphid
<i>Aulacorthum solani</i> [vector]	foxglove aphid
<i>Chaetosiphon jacobi</i>	strawberry aphid
<i>Chaetosiphon minus</i>	lesser strawberry aphid
<i>Chaetosiphon tetrarhodum</i> [vector]	strawberry aphid
<i>Chaetosiphon thomasi</i>	strawberry aphid
<i>Fimbriaphis fimbriata</i>	rose aphid
<i>Fimbriaphis wakibae</i>	rose aphid
<i>Macrosiphum pelargonii</i>	rose aphid
<i>Macrosiphum rosae</i> [vector]	rose aphid
<i>Myzaphis rosarum</i> [vector]	lesser rose aphid
<i>Myzus ascalonicus</i> [vector]	shallot aphid
<i>Myzus ornatus</i> [vector]	ornate aphid
<i>Myzus persicae</i> [vector]	green peach aphid
<i>Rhodobium porosum</i>	aphid

Aphrophoridae

<i>Aphrophora alni</i>	spittlebug
<i>Aphrophora permutata</i>	rhubarb spittlebug

Cercopidae

<i>Cercopis vulnerata</i>	red and black froghopper
<i>Emelyanoviana mollicula</i>	spittlebug
<i>Evacanthus interruptus</i>	spittlebug
<i>Philaenus leucophthalmus</i>	spittlebug

Cicadellidae

<i>Aphrodes bicinctus</i>	strawberry leafhopper
<i>Apogonalia grossa</i>	leafhopper
<i>Coelidia olitoria</i>	leafhopper
<i>Edwardsiana</i> spp.	leafhoppers
<i>Empoasca fabae</i>	potato leafhopper
<i>Erythroneura elegantula</i>	western grape leafhopper
<i>Euscelis</i> spp.	leafhoppers
<i>Macrosteles</i> spp.	leafhoppers
<i>Scaphytopius acutus</i>	leafhopper
<i>Zygina schneideri</i>	leafhopper

Pseudococcidae

<i>Chorizococcus arecae</i>	mealybug
<i>Dysmicoccus brevipes</i>	pineapple mealybug
<i>Planococcus citri</i>	citrus mealybug
<i>Rhizoecus kondonis</i>	Kondo mealybug

Hymenoptera**Tenthredinidae**

<i>Allantus calceatus</i>	sawfly
<i>Allantus cinctus</i>	curled rose sawfly
<i>Cladius pectinicornis</i>	antler sawfly

Lepidoptera**Gelechiidae**

<i>Aristotelia fragariae</i>	strawberry crown miner
<i>Compsolechia fragariella</i>	western strawberry leafroller

Geometridae

<i>Ascotis selenaria</i>	mugwort looper

Hepialidae

<i>Hepialus lupulinus</i>	swift moth

Noctuidae

<i>Agrotis</i> spp. (species not in New Zealand)	cutworms
<i>Agrotis munda</i>	brown cutworm
<i>Agrotis segetum</i>	turnip moth
<i>Amphipoea interoceanica</i>	strawberry cutworm
<i>Helicoverpa punctigera</i>	oriental tobacco budworm
<i>Helicoverpa zea</i>	bollworm
<i>Hydraecia interoceanica</i>	noctuid moth
<i>Noctua pronuba</i>	large yellow underwing
<i>Orthosia hibisci</i>	speckled green fruitworm
<i>Peridroma saucia</i>	pearly underwing moth
<i>Phlogophora meticulosa</i>	angleshades moth
<i>Spodoptera exigua</i>	lesser armyworm
<i>Spodoptera sunia</i>	cluster caterpillar
<i>Xestia c-nigrum</i>	spotted cutworm

Psychidae

<i>Hyalarcta huebneri</i>	leaf case moth

Pyalidae

<i>Loxostege</i> spp.	pyralid moths
<i>Udea rubigalis</i>	celery leaf-tier

Sesiidae

<i>Synanthedon bibionipennis</i>	strawberry crown moth

Tortricidae

<i>Acleris comariana</i>	strawberry tortrix moth
<i>Ancylis comptana</i>	strawberry leafroller
<i>Ancylis fragariae</i>	strawberry leafroller
<i>Argyrotaenia citrana</i>	orange tortrix

<i>Cacoecimorpha pronubana</i>	carnation leafroller
<i>Choristoneura lafauryana</i>	strawberry leafroller
<i>Choristoneura rosaceana</i>	oblique-banded leafroller
<i>Claremontia confusa</i>	leafroller
<i>Clepsis busckiana</i>	cyclamen leafroller
<i>Clepsis spectrana</i>	straw coloured tortrix
<i>Cnephasia asseclana</i>	leafroller
<i>Cnephasia longana</i>	omnivorous leaf-tier
<i>Cnephasia stephensiana</i>	leaf-tier
<i>Compsolechia fragariella</i>	western strawberry leafroller
<i>Cryptoptila immersana</i>	ivy leafroller
<i>Epiphyas</i> spp.	leafrollers
<i>Lozotaenia forsterana</i>	leafroller
<i>Olethreutes lacunana</i>	fruit tree tortrix
<i>Olethreutes olivaceana</i>	fruit tree tortrix
<i>Pandemis dumetana</i>	fruit tree tortrix
<i>Platynota stultana</i>	omnivorous leafroller
<i>Ptycholoma peritana</i>	garden tortrix
<i>Sparganothis sulfureana</i>	blueberry leafroller
Orthoptera	
Acrididae	
<i>Phaulacridium vittatum</i>	wingless grasshopper
Gryllotalpidae	
<i>Gryllotalpa africana</i>	African mole cricket
<i>Gryllotalpa gryllotalpa</i>	mole cricket
<i>Scapteriscus acletus</i>	southern mole cricket
<i>Scapteriscus vicinus</i>	tawny mole cricket
Pyrgomorphidae	
<i>Atractomorpha crenaticeps</i>	grasshopper
Thysanoptera	
Thripidae	
<i>Scirtothrips dorsalis</i>	chilli thrips
<i>Scolothrips sexmaculatus</i>	
<i>Thrips atratus</i>	carnation thrips
<i>Thrips major</i>	rose thrips

Mites**Arachnida****Acarina****Diptilomiopidae**

<i>Diptacus fragarifoliae</i>	false spider mite

Tetranychidae

<i>Tetranychus kanzawai</i>	kanzawai mite
<i>Tetranychus lobustus</i>	strawberry spider mite

Tetranychus neocalendonicus

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***Byssoschlamys fulva*

byssoschlamys 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 fragariaeicola

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**

<i>Pythium debaryanum</i>	root rot
<i>Pythium dissotocum</i>	root rot
<i>Pythium hypogynum</i>	root rot
<i>Pythium perniciusum</i>	root and stem rot
<i>Pythium sylvaticum</i>	root rot

Zygomycota: Zygomycetes**Mucorales****Mucoraceae**

<i>Mucor recurvus</i>	mucor rot
<i>Rhizopus spp.</i>	

Bacteria

-

-

<i>Erwinia pyrifoliae</i>	
<i>Ralstonia solanacearum</i> (Race 2)	moko disease
Strawberry marginal chlorosis [<i>Candidatus phlomobacter fragariae</i>]	
Strawberry rickettsia yellows	
<i>Xanthomonas arboricola</i> pv. <i>fragariae</i>	bacterial leaf blight
<i>Xanthomonas fragariae</i>	angular leaf spot
<i>Xylella fastidiosa</i>	Pierce's disease

Viruses

-

-

-

<i>Fragaria chiloensis</i> latent virus [strains not in New Zealand]	-
<i>Raspberry ringspot virus</i> [strains not in New Zealand]	-
<i>Strawberry chlorotic fleck virus</i>	-
<i>Strawberry latent ringspot virus</i> [strains not in New Zealand]	-
<i>Strawberry mild yellow edge-associated virus</i>	-
<i>Strawberry pallidosis associated virus</i>	-
<i>Strawberry pseudo mild yellow edge virus</i>	-
<i>Strawberry vein banding virus</i>	-
<i>Tobacco necrosis virus</i> [strains not in New Zealand]	-
<i>Tobacco streak virus</i> [strains not in New Zealand]	-
<i>Tomato bushy stunt virus</i>	-
<i>Tomato ringspot virus</i>	-

Phytoplasmas

-
-
-
- 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 multicapita phytoplasma
- Strawberry multiplier phytoplasma -
- Strawberry phylloid fruit phytoplasma
- Strawberry yellows phytoplasma

Diseases of unknown aetiology

-
-
-
- Strawberry lethal decline disease

Hippeastrum regulated pests (actionable)

Mite

Arachnida

Acarina

Tarsonemidae

Steneotarsonemus laticeps

bulb scale mite

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

Draft for
Consultation

***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

Mite

Arachnida

Acarina

Tarsonemidae

Steneotarsonemus laticeps

bulb scale mite

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	
<i>Scytinostroma eurasiaticogalactinum</i>	white root rot
Phallales	
Hysterangiaceae	
<i>Hysterangium boudieri</i>	--
mitosporic fungi (Agonomycetes)	
Agonomycetales	
unknown Agonomycetales	
<i>Rhizoctonia tuliparum</i>	basal rot
<i>Sclerotium rolfsii</i> var. <i>delphinii</i>	sclerotium rot
Bacterium	
Pseudomonadaceae	
<i>Burkholderia gladioli</i> pv. <i>gladioli</i>	bacterial rot
Virus	
<i>Broad bean wilt virus</i>	-
<i>Iris fulva mosaic virus</i>	-
<i>Iris germanica leaf stripe virus</i>	-
<i>Japanese iris necrotic ring virus</i>	-
<i>Tobacco rattle virus</i> [strains not in New Zealand]	-

Draft for
Consultation

***Lilium* regulated pests (actionable)**

Insect

Insecta

Collembola

Entomobryidae

Entomobrya multifasciata

Springtail

Lepidoptera

Yponomeutidae

Acrolepiopsis liliivora

-

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 lili*)

Rust

Uromyces aecidiiformis

rust fungi

Uromyces holwayi

-

mitosporic fungi (Agonomycetes)

Agonomycetales

unknown Agonomycetales

<i>Rhizoctonia tuliparum</i>	basal rot
<i>Sclerotium rolfsii</i> var. <i>delphinii</i>	sclerotium rot
<i>Sclerotium wakkeri</i>	Blackleg
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
<i>Macrophoma lili</i>	black root rot
<i>Phyllosticta liliicola</i>	black rot
unknown Coelomycetes	
unknown Coelomycetes	
<i>Colletotrichum lili</i>	-
mitosporic fungi (Hyphomycetes)	
Hyphomycetales	
Moniliaceae	
<i>Botrytis hyacinthi</i>	hyacinth blight
<i>Ramularia vallisumbrosae</i>	white mould
Oomycota	
Peronosporales	
Peronosporaceae	
<i>Phytophthora capsici</i>	Fruit rot of peppers
Tuberculariales	
Tuberculariaceae	
<i>Fusarium oxysporum</i> f. sp. <i>lilii</i>	basal rot
unknown Hyphomycetes	
unknown Hyphomycetes	
<i>Aureobasidium microstictum</i>	-
Bacterium	
Enterobacteriaceae	
<i>Erwinia lili</i>	-
Virus	
<i>Apple stem grooving virus</i> [strains not in New Zealand]	-
<i>Lily rosette virus</i>	-
<i>Tobacco rattle virus</i> [strains not in New Zealand]	-
<i>Tomato ringspot virus</i>	-
Phytoplasmas	
Phytoplasma 16SrI – aster yellows	-
" <i>Candidatus</i> Phytoplasma mali"	-
" <i>Candidatus</i> Phytoplasma solani"	-

Malus regulated pests (actionable)

Insect	
Insecta	
Coleoptera	
Attelabidae	
<i>Rhynchites caeruleus</i>	apple twig cutter
Bostrichidae	
<i>Amphicerus bicaudatus</i>	apple twig borer
<i>Apate monachus</i>	black borer
Buprestidae	
<i>Agrilus mali</i>	apple wood borer
<i>Agrilus</i> spp.	bark borers
<i>Chrysobothris femorata</i>	flatheaded apple tree borer
<i>Chrysobothris mali</i>	Pacific flatheaded borer
<i>Chrysobothris</i> spp.	flat-headed borers
<i>Sphenoptera lafertei</i>	flatheaded peach tree borer
Cerambycidae	
<i>Aeolesthes sarta</i>	Quetta borer
<i>Apriona germarii</i>	mulberry longicorn beetle
<i>Apriona japonica</i>	mulberry borer
<i>Bacchisa fortunei</i>	pear borer
<i>Batocera rufomaculata</i>	red-spotted longhorn beetle
<i>Phrynetes spinator</i>	
Curculionidae	
<i>Anthonomus piri</i>	apple bud weevil
<i>Eremnus atratus</i>	black weevil
<i>Eremnus cerealis</i>	western province grain worm
<i>Eremnus setulosus</i>	grey weevil
Scolytidae	
<i>Hypothenemus obscurus</i>	apple twig borer
<i>Scolytus japonicus</i>	Japanese bark beetle
<i>Scolytus rugulosus</i>	fruit bark borer
Diptera	
Cecidomyiidae	
<i>Resseliella oculiperda</i>	red bud borer
<i>Thomasiniana oculiperda</i>	red bud borer
Hormoptera	
Aphididae	
<i>Aphis spiraeicola</i>	spiraea aphid
Diaspididae	
<i>Chrysomphalus aonidum</i>	Florida red scale
<i>Chrysomphalus dictyospermi</i>	Spanish red scale
<i>Diaspidiotus africanus</i>	grey scale
Lepidoptera	
Cossidae	
<i>Coryphodema tristis</i>	quince trunk borer
Gelechiidae	
<i>Recurvaria syriactis</i>	bud moth
Gracillariidae	
<i>Marmara elotella</i>	apple barkminer
<i>Marmara pomonella</i>	apple fruitminer
Oecophoridae	
<i>Cryptophasa melanostigma</i>	fruit tree borer
Pyalidae	
<i>Euzophera semifuneralis</i>	American plum borer
<i>Ostrinia nubilalis</i>	European corn borer
Sesiidae	
<i>Thamnosphesia pyri</i>	apple bark borer
<i>Synanthedon scitula</i>	pecan tree borer

Mite**Arachnida****Acarina****Eriophyidae**

Aculops malus
Eriophyes mali
Phyllocoptes mali
Cenopalpus chitraliensis
Cenopalpus haqii
Cenopalpus orakiensis
Cenopalpus pulcher

eriphyid mite
 Willamette spider mite
 eriophyid mite
 bryobia mite
 banana mite
 Bailey's apple rust mite
 flat scarlet mite

Tenuipalpidae

Brevipalpus lilium
Brevipalpus obovatus
Tenuipalpus taonicus
Rhinotergum schestovici

false spider mite
 privet mite
 Pacific mite
 mite

Tetranychidae

Eotetranychus carpini
Eotetranychus uncatus
Eotetranychus willamettei
Oligonychus gossypii
Oligonychus newcomeri
Oligonychus yothersi
Tetranychus canadensis
Tetranychus kanzawai
Tetranychus mcdanieli
Tetranychus schoenei
Amphitetranychus viennensis

false spider mite
 Lewis spider mite
 hazel mite
 tetranychid mite
 spider mite
 avocado red mite
 four spotted spider mite
 Kanzawa spider mite
 McDaniel spider mite
 Schoenei spider mite
 hawthorn spider mite

Tydeidae

Tydeus spp.

tydeid mites

Fungus**Ascomycota: Ascomycetes****Diaporthales****Valsaceae**

Diaporthe tanakae (anamorph *Phomopsis tanakae*)
Leucostoma auerswaldii

pear canker
 leucostoma canker

Diatrypales**Diatrypaceae**

Eutypella sorbi

stem disease

Dothideales**Mycosphaerellaceae**

Mycosphaerella pyri (anamorph *Septoria pyricola*)
Mycosphaerella tulasnei

leaf fleck of pear
 rot

Schizothyriaceae

Schizothyrium perexiguum

greasy blotch

Erysiphales**Erysiphaceae**

Pleochaeta mali

powdery mildew

Heotiales**Dermateaceae**

Diplocarpon mali
Pezicula perennans

black spot
 perennial canker

Sclerotiniaceae

Grovesinia pyramidalis (anamorph *Cristulariella moricola*)
Monilinia laxa f. sp. *mali*
Monilinia mali
Monilinia fructigena (anamorph *Monilia fructigena*)
Sclerotinia spp.

target spot
 brown rot
 monilinia leaf blight
 European brown rot
 neck rot

Rhytismatales**Cryptomycetaceae**

Potebniamyces pyri (anamorph *Phacidiopycnis piri*)

Phacidiopycnis rot

Sordariales	
Chaetomiaceae	
<i>Chaetomium</i> spp.	fruit rot
Taphrinales	
Taphrinaceae	
<i>Taphrina bullata</i>	leaf blister
Xylariales	
Xylariaceae	
<i>Biscogniauxia marginata</i>	nailhead canker
<i>Daldinia vernicosa</i>	wood rot
<i>Xylaria mali</i>	black root rot
Ascomycota: Saccharomycetes	
Saccharomycetales	
Endomycetaceae	
<i>Endomycopsis mali</i>	rot
Basidiomycota: Basidiomycetes	
Agaricales	
Coprinaceae	
<i>Coprinus psychromorbidus</i>	coprinus rot
Tricholomataceae	
<i>Armillaria mellea</i>	armillaria root rot
<i>Armillaria ostoyae</i>	armillaria root rot
<i>Armillaria tabescens</i>	armillaria root rot
Ceratobasidiales	
Ceratobasidiaceae	
<i>Ceratobasidium stevensii</i>	thread blight
Ganodermatales	
Ganodermataceae	
<i>Ganoderma lucidum</i>	wood rot
Hymenochaetales	
Hymenochaetaceae	
<i>Phellinus pomaceus</i>	white heart rot
Lachnocladiiales	
Lachnocladiaceae	
<i>Scytinostroma galactinum</i>	white root rot
Polyporales	
Corticaceae	
<i>Corticium koleroga</i>	thread blight
Cyphellaceae	
<i>Maireina marginata</i>	wood decay
Meripilaceae	
<i>Phlebia radiata</i>	wood decay
<i>Trametes ochracea</i>	wood decay
Poriales	
Coriolaceae	
<i>Ceriporia spissa</i>	wood rot
<i>Coriolopsis gallica</i>	white rot
<i>Fomes fomentarius</i>	wood decay
<i>Fomitopsis pinicola</i>	brown cubical rot
<i>Laetiporus sulphureus</i> (anamorph <i>Sporotrichum versisporum</i>)	brown cubical rot
<i>Lenzites betulina</i>	wood decay
<i>Oxyporus latemarginatus</i>	wood decay
<i>Oxyporus similis</i>	wood decay
Stereales	
Atheliaceae	
<i>Butleria eustacei</i>	storage rot
Sistotremataceae	
<i>Phymatotrichopsis omnivorum</i>	Texas root rot
Basidiomycota: Urediniomycetes	
Uredinales	
Pucciniaceae	

<i>Gymnosporangium clavipes</i>	quince rust
<i>Gymnosporangium cornutum</i>	rust
<i>Gymnosporangium fuscum</i>	European pear rust
<i>Gymnosporangium globosum</i>	American hawthorn rust
<i>Gymnosporangium hemisphaericum</i>	rust
<i>Gymnosporangium libocedri</i>	Pacific Coast pear rust
<i>Gymnosporangium nelsonii</i>	Rocky Mountain pear rust
<i>Gymnosporangium nidus-avis</i>	rust
<i>Gymnosporangium nootkatense</i>	yellow cypress rust
<i>Gymnosporangium shiraianum</i>	rust
<i>Gymnosporangium</i> spp.	cedar apple rust
<i>Gymnosporangium tremelloides</i>	common juniper gall rust
<i>Gymnosporangium yamadae</i>	Japanese apple rust
<i>Gymnosporangium juniperi-virginianae</i>	cedar apple rust
Unknown Uredinales	
<i>Roestelia fenzeliana</i>	rust
<i>Roestelia levis</i>	rust
Basidiomycota: Ustomycetes	
Platyglloeales	
Platyglloeaceae	
<i>Helicobasidium mompa</i>	violet root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
<i>Cytospora schulzeri</i>	bark disease
<i>Dothiorella mali</i>	fruit rot
<i>Phomopsis truncicola</i>	blight
<i>Phyllosticta solitaria</i>	apple blotch
<i>Phyllosticta</i> spp.	leaf spot
<i>Pyrenochaeta mali</i>	fruit rot
<i>Sphaeropsis pyriputrescens</i>	Sphaeropsis rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
<i>Alternaria mali</i>	alternaria blotch
<i>Alternaria</i> spp.	
<i>Helminthosporium papulosum</i>	black pox
<i>Cladosporium</i> spp.	mouldy core
<i>Epicoccum</i> spp.	mouldy core
<i>Stemphylium</i> spp.	
<i>Ulocladium</i> spp.	cladosporium rot
Moniliaceae	
<i>Aspergillus</i> spp.	coloured moulds
<i>Botrytis mali</i>	fruit rot
<i>Cephalosporium carpogenum</i>	fruit rot
<i>Cephalosporium</i> spp.	
<i>Penicillium</i> spp.	rot
<i>Ramularia macrospora</i>	bellflower leaf spot
<i>Verticillium</i> spp.	verticillium wilt
Tuberculariales	
Tuberculariaceae	
<i>Fusarium</i> spp.	
Unknown Hyphomycetes	
-	
<i>Oidium</i> spp.	powdery mildew
Oomycota: Oomycete	
Peronosporales	
Peronosporaceae	
<i>Phytophthora capsici</i>	fruit rot of peppers
<i>Phytophthora palmivora</i>	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 blister bark agent

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

<i>Acidovorax avenae</i> ssp. <i>avenae</i>	Bacterial leaf blight
<i>Leifsonia xyli</i> subsp. <i>Xyli</i>	Sugarcane ratoon stunting disease
<i>Xylella fastidiosa</i>	Bacterial leaf scorch

Fungi

<i>Acremonium</i> sp.	Black bundle disease
<i>Colletotrichum</i> sp.	Leaf spot
<i>Diaporthe</i> sp.	Canker
<i>Diplodia</i> sp.	Blight
<i>Drechslera gigantea</i>	Eyespot
<i>Fusarium miscanthi</i>	Rot
<i>Fusarium pallidoseum</i>	Rot
<i>Glomerella</i> sp.	Leaf spot
<i>Glomerella tucumanensis</i>	Leaf spot
<i>Helminthosporium</i> sp.	Eyespot
<i>Leptosphaeria</i> sp.	Canker
<i>Magnaporthe salvinii</i>	Stem rot
<i>Mycosphaerella recutita</i>	Leaf blight
<i>Mycosphaerella striatiformans</i>	Leaf spot
<i>Nigrospora</i> sp.	Stalk rot
<i>Passalora koepkei</i>	Yellow spot
<i>Peronosclerospora</i> sp.	Downy mildew
<i>Phlyctema</i> sp.	Canker
<i>Phoma</i> sp.	Blight
<i>Phomopsis</i> sp.	Blight
<i>Phyllachora</i> sp.	Leaf spot
<i>Puccinia melanocephala</i>	Sugarcane rust
<i>Ramularia</i> sp.	Anthraxnose
<i>Rhizoctonia</i> sp.	Root rot
<i>Stagonospora</i> sp.	Scorch
<i>Thanatephorus cucumeris</i>	Blight
<i>Ustilago scitaminea</i>	Sugarcane smut
<i>Verticillium</i> sp.	Verticillium wilt

Mites

<i>Schizotetranychus celarius</i>	Bamboo mite

Viruses

<i>Miscanthus streak virus</i>
<i>Sugarcane mosaic virus</i>

***Nephelium lappaceum* regulated pests (actionable)**

Fungi

Corticium koleroga

Dolabra nephelii

Erysiphe quercicola

Helicobasidium mompa

Lasiodiplodia hormozganensis

Lasiodiplodia iraniensis

Lasiodiplodia pseudotheobromae

Pestalotiopsis cruenta

Pestalotiopsis mangiferae

Pestalotiopsis virgatula

Phellinus noxius

Rigidoporus microporus

Thread blight fungus

Powdery mildew of rambutan

Violet root rot

Brown root rot fungus

White root rot fungus

Oomycetes

Phytophthora botryosa

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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

Metacaronema japonica

scale insect

Diaspididae

Aonidomytilus espinosai

scale

Hemiberlesia palmarum

palm scale

Leucaspis riccae

scale

Lindingaspis ferrisi

scale

Parlatoria oleae

olive scale

Pseudaulacaspis pentagona

white peach scale

Selenaspidus articulatus

West Indian red scale

Lepidoptera

Pyalidae

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

<i>Raoiella macfarlanei</i>	false spider mite
<i>Tenuipalpus caudatus</i>	false spider mite
Tetranychidae	
<i>Eotetranychus lewisi</i>	big beaked plum mite
Fungus	
Ascomycota	
Dothideales	
Capnodiaceae	
<i>Capnodium elaeophilum</i>	sooty mould
Elsinoaceae	
<i>Elsinoe oleae</i>	olive scab
Unknown Dothideales	
<i>Massariella oleae</i>	bark canker
<i>Massariella zambettakiana</i>	canker
<i>Zukalia purpurea</i>	black mildew
Xylariales	
Xylariaceae	
<i>Xylaria sicula</i>	root rot
Basidiomycota	
Agaricales	
Agaricaceae	
<i>Armillaria mellea</i> (anamorph <i>Rhizomorpha subcorticalis</i>)	armillaria root rot
Boletales	
Paxillaceae	
<i>Omphalotus olearius</i>	wood rot
Ganodermatales	
Ganodermataceae	
<i>Ganoderma lucidum</i> (anamorph <i>Polyporus lucidus</i>)	wood rot
Hymenochaetales	
Hymenochaetaceae	
<i>Phellinus igniarius</i>	wood rot
Oomycota	
Peronosporales	
Peronosporaceae	
<i>Phytophthora palmivora</i>	Coconut budrot
<i>Phytophthora ramorum</i>	Sudden oak death disease
Poriales	
Coriolaceae	
<i>Fomes fomentarius</i>	
<i>Fomes fulvus</i>	
<i>Fomes salicinus</i>	
<i>Fomes torulosus</i>	wood rot
<i>Fomes yuconensis</i>	wood rot
Polyporaceae	
<i>Polyporus biennis</i>	wood rot
<i>Polyporus oleae</i>	wood rot
Stereales	
Sistotremataceae	
<i>Trechispora brinkmanii</i> (anamorph <i>Phymatotrichopsis omnivorum</i>)	Texas root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
<i>Camarosporium dalmatica</i>	brown spot
<i>Cytospora oleina</i>	canker
<i>Macrophoma dalmatica</i>	fruit rot
<i>Phoma incompta</i>	stem blight
<i>Phyllosticta oleae</i>	phyllosticta leaf spot
<i>Septoria obesa</i>	leaf spot
<i>Septoria oleae</i>	leaf spot

<i>Septoria oleagina</i>	leaf spot
<i>Septoria serpentaria</i>	leaf spot
<i>Sphaeropsis dalmatica</i>	stem gall
<i>Sphaeropsis oleae</i>	stem gall
Unknown Coelomycetes	
Unknown Coelomycetes	
<i>Cylindrosporium olivae</i>	leaf spot
Bacterium	
Pseudomonadaceae	
<i>Pseudomonas syringae</i> pv. <i>garcae</i>	twig blight
<i>Xylella fastidiosa</i>	
Virus	
<i>Cherry leaf roll virus</i> [strains not in New Zealand]	-
<i>Olive latent 1 virus</i>	-
<i>Olive latent 2 virus</i>	-
<i>Olive latent ringspot virus</i>	-
<i>Olive leaf yellowing-associated virus</i>	-
<i>Strawberry latent ringspot virus</i> [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

Macroductylus 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

<i>Macrolophus rubi</i>	mirid
<i>Psallus variabilis</i>	mirid
Pentatomidae	
<i>Dolycoris baccarum</i>	stink bug
<i>Pentatoma rufipes</i>	forest bug
Homoptera	
Aetalionidae	
<i>Aetalion reticulatum</i>	-
Aphididae	
<i>Amphorophora agathonica</i>	strawberry aphid
<i>Amphorophora idaei</i>	large raspberry aphid
<i>Amphorophora rubitoxica</i>	aphid
<i>Aphis rubicola</i> [vect.]	raspberry aphid
<i>Aphis ruborum</i>	permanent blackberry aphid
<i>Macrosiphum funestum</i>	rose aphid
<i>Matsumuraja hirakurensis</i>	raspberry aphid
Cicadellidae	
<i>Dikrella californica</i>	blueberry leafhopper
<i>Dikrella cruentata</i>	leafhopper
<i>Edwardsiana rosae</i>	rose leafhopper
<i>Erythroneura rubiphylla</i>	leafhopper
<i>Macropsis fulcatus</i>	leafhopper
<i>Macropsis fuscata</i>	boysenberry leafhopper
<i>Metascarta impressifrons</i>	leafhopper
<i>Typhlocyba</i> spp.	rubus leafhoppers
Issidae	
<i>Mycterodus serbicus</i>	plant bug
Psyllidae	
<i>Trioza tripunctata</i>	blackberry psyllid
<i>Trioza trisignata</i>	psyllid
Hymenoptera	
Cephididae	
<i>Hartigia albomaculata</i>	sawfly borer
Cynipidae	
<i>Diastrophus</i> spp.	stem gall cynipids
Pamphilidae	
<i>Pamphilus sitkensis</i>	sawfly
Pergidae	
<i>Philomastix macleaii</i>	bramble sawfly
Tenthredinidae	
<i>Allantus cinctus</i>	banded rose sawfly
<i>Emphytus calceatus</i>	sawfly
<i>Empria tridens</i>	raspberry sawfly
<i>Metallus pumilus</i>	raspberry leaf-mining sawfly
<i>Metallus rohweri</i>	raspberry leaf-mining sawflies
<i>Metallus rubi</i>	blackberry leafminer
<i>Monophadnoides geniculatus</i>	raspberry sawfly
<i>Perineura rubi</i>	sawfly
<i>Sterictiphora furcata</i>	sawfly
Lepidoptera	
Geometridae	
<i>Itame wauaria</i>	v-moth
<i>Operophtera bruceata</i>	Bruce spanworm
<i>Operophtera brumata</i>	European winter moth
Hepialidae	
<i>Hepialus humuli</i>	ghost swift moth
Incurvariidae	
<i>Lampronia rubiella</i>	raspberry bud moth
Lymantriidae	
<i>Euproctis chrysorrhoea</i>	brown-tail moth
<i>Lymantria dispar</i>	Asian gypsy moth

<i>Orgyia antiqua</i>	rusty tussock moth
Megalopygidae	
<i>Megalopyge lanata</i>	-
Nepticulidae	
<i>Stigmella aurella</i>	-
<i>Stigmella splendidissima</i>	-
Noctuidae	
<i>Acronicta psi</i>	grey dagger moth
<i>Agrotis segetum</i>	turnip moth
<i>Cosmia trapezina</i>	dun-bar moth
<i>Eudocima tyrannus</i>	Akebia leaf-like moth
<i>Graphiphora augur</i>	double dart moth
<i>Melanchra persicariae</i>	dot moth
<i>Oraesia emarginata</i>	fruit-piercing moth
<i>Papaipema nebris</i>	stalk borer
<i>Peridroma saucia</i>	variegated cutworm
<i>Spirama retorta</i>	fruit sucking moth
<i>Xestia c-nigrum</i>	spotted cutworm
Notodontidae	
<i>Phalera bucephala</i>	buff-tip moth
Saturniidae	
<i>Saturnia pavonia</i>	silk moth
Sesiidae	
<i>Pennisetia hylaeiformis</i>	raspberry crownborer
<i>Pennisetia marginata</i>	raspberry crownborer
<i>Synanthedon bibionipennis</i>	strawberry crown moth
Tortricidae	
<i>Acleris comariana</i>	leafroller
<i>Acleris laterana</i>	broad barred button moth
<i>Archips oporanthus</i>	fruit tree tortix
<i>Argyrotaenia citrana</i>	orange tortix
<i>Choristoneura rosaceana</i>	obliquebanded leafroller
<i>Cnephasia longana</i>	omnivorous leafier
<i>Epiblema uddmanniana</i>	bramble shoot borer
<i>Olethreutes concinnana</i>	leafroller
<i>Olethreutes furfurana</i>	leafroller
<i>Pandemis cerasana</i>	leafroller
<i>Spilota ocellana</i>	eye-spotted bud moth
Orthoptera	
Gryllidae	
<i>Oecanthus nigricornis</i>	blackhorned tree cricket
<i>Oecanthus pellucens</i>	blackhorned tree cricket
Phasmida	
Phasmatidae	
<i>Carausius morosus</i>	wingless stick insect
Thysanoptera	
Thripidae	
<i>Thrips flavus</i>	flower thrips
Mites	
Arachnida	
Acarina	
Eriophyidae	
<i>Cenopalpus pseudospinosus</i>	rust mite
<i>Epitrimerus gibbosus</i>	eriophyid mite
<i>Eriophyes rubi</i>	eriophyid mite
<i>Phyllocoptes gibbosus</i>	eriophyid mite
<i>Phyllocoptes gracilis</i>	raspberry mite
<i>Phyllocoptes rubi</i>	eriophyid mite
Eupodidae	
<i>Neotetranychus rubi</i>	raspberry mite

Tetranychidae	
<i>Amphitettranychus viennensis</i>	hawthorn spider mite
Nematodes	
Adenophorea	
Dorylaimida	
Longidoridae	
<i>Xiphinema bakeri</i>	dagger nematode
<i>Xiphinema barens</i>	dagger nematode
Secernentea	
Tylenchida	
Criconeematidae	
<i>Criconebella axestis</i>	-
<i>Criconebella curvata</i>	ring nematode
<i>Criconebella denoudeni</i>	-
<i>Criconebella ornata</i>	ring nematode
<i>Criconebella sphaerocephala</i>	ring nematode
<i>Criconebella xenoplax</i>	ring nematode
Dolichodoridae	
<i>Tylenchorhynchus claytoni</i>	tobacco stunt nematode
Hoplolaimidae	
<i>Helicotylenchus platyurus</i>	-
<i>Hoplolaimus magnistylus</i>	-
<i>Scutellonema bradys</i>	yam nematode
Pratylenchidae	
<i>Hirschmanniella oryzae</i>	rice root nematode
Fungi	
Ascomycota: Ascomycetes	
Diaporthales	
Valsaceae	
<i>Gnomonia rostellata</i>	-
<i>Gnomonia rubi</i> (anamorph <i>Gloeosporium</i> sp.)	cane canker, dieback
<i>Gnomonia setacea</i>	cane canker, dieback
Dothideales	
Leptosphaeriaceae	
<i>Leptosphaeria thomasi</i>	cane blight
Melanconidaceae	
<i>Sydowiella depressula</i>	-
Mycosphaerellaceae	
<i>Mycosphaerella confusa</i> (anamorph <i>Pseudocercospora rubi</i>)	cercospora leaf spot
<i>Mycosphaerella ligea</i>	cane & leaf spot
<i>Mycosphaerella rubi</i> (anamorph <i>Septoria rubi</i>)	cane & leaf spot
<i>Sphaerulina rubi</i> (anamorph <i>Cylindrosporium rubi</i>)	-
Helotiales	
Dermateaceae	
<i>Pyrenopeziza rubi</i>	cane spot
Sclerotiniaceae	
<i>Monilinia fructigena</i> (anamorph <i>Monilia fructigena</i>)	brown rot
Meliolales	
Meliolaceae	
<i>Appendiculella calstroma</i>	black mildew
Unknown Ascomycetes	
-	
<i>Hormotheca rubicola</i>	-
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
<i>Armillaria gallica</i>	armillaria root rot
<i>Armillaria mellea</i> (anamorph <i>Rhizomorpha subcorticalis</i>)	shoestring root rot
<i>Armillaria ostoyae</i>	armillaria root rot

Russulales	
Lachnocladiaceae	
<i>Scytinostroma galactinum</i>	Scytinostroma galactinum
Unknown Basidiomycetes	
<i>Gerwasia epiphylla</i>	-
Basidiomycota: Urediniomycetes	
Stereales	
Sistotremataceae	
<i>Phymatotrichopsis omnivora</i>	Texas root rot
Uredinales	
Phragmidiaceae	
<i>Arthuriomyces peckianus</i>	orange rust
<i>Gymnoconia nitens</i>	rust
<i>Hamaspora longissima</i>	sub-tropical rust
<i>Phragmidium alaskanum</i>	-
<i>Phragmidium bulbosum</i>	rust
<i>Phragmidium occidentale</i>	-
Pucciniastraceae	
<i>Pucciniastrum arcticum</i>	-
Mitosporic Fungi (Coelomycetes)	
<i>Hapalosphaeria deformans</i>	anther blight
<i>Macrophoma rubi</i>	-
<i>Marssonina potentillae</i>	leaf scorch
<i>Phyllosticta carpogena</i>	-
Mitosporic Fungi (Hyphomycetes)	
<i>Fusicladium grayianum</i>	-
<i>Passalora monrosii</i>	-
<i>Pseudocercospora heteromalla</i>	-
<i>Pseudocercospora rubicola</i>	-
<i>Verticillium albo-atrum</i> [severe strain]	verticillium wilt
Zygomycota: Zygomycetes	
Mucorales	
Mucoraceae	
<i>Rhizopus sexualis</i>	soft rot
Chromista	
Oomycota	
Pythiaceae	
<i>Phytophthora idaei</i>	-
<i>Phytophthora ramorum</i>	sudden oak death
<i>Phytophthora rubi</i>	root rot
Bacteria	
-	
-	
Enterobacteriaceae	
<i>Erwinia amylovora</i> f.sp. <i>rubi</i>	
Rhizobiaceae	
<i>Agrobacterium rubi</i>	cane gall
Xanthomonadaceae	
<i>Xylella fastidiosa</i>	Pierce's disease
Viruses	
-	
-	
-	
<i>Blackberry calico virus</i>	-
<i>Blackberry chlorotic ringspot virus</i>	-
<i>Blackberry virus Y</i>	-
<i>Blackberry yellow vein associated virus</i>	-

<i>Cherry rasp leaf virus</i>	-
<i>Hawaiian rubus leaf curl virus</i>	-
<i>Raspberry latent virus</i>	-
<i>Raspberry leaf curl virus</i>	-
<i>Raspberry ringspot virus</i> [strains not in New Zealand]	-
<i>Rubus chlorotic mottle virus</i>	-
<i>Rubus yellow net virus</i>	-
<i>Tobacco necrosis virus</i> [strains not in New Zealand]	-
<i>Tomato ringspot virus</i>	-

Phytoplasmas

-		
-		
-		
	Black raspberry witches'-broom phytoplasma	-
	Rubus stunt phytoplasma	-

Disease of unknown aetiology

-		
-		
-		
	Alpine mosaic agent	-
	Black raspberry streak disease	-
	Raspberry chlorotic net disease	-

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***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

bacterial wilt of potatoes

(Formerly *R. solanacearum* race 1)

Corynebacteriaceae

Clavibacter michiganensis subsp. *sepedonicus*

potato ring rot

Enterobacteriaceae

Dickeya chrysanthemi pv. *chrysanthemi*

bacterial soft rot

(syn. *Erwinia chrysanthemi* pv. *chrysanthemi*)

Dickeya chrysanthemi pv. *parthenii*

-

(syn. *Erwinia chrysanthemi* pv. *parthenii*)

Dickeya paradisiaca

-

(syn. *Erwinia chrysanthemi* pv. *paradisiaca*)

Dickeya solani

-

Pectobacterium betavascularum

bacterial sudden yellows death

(syn. *Erwinia carotovora* subsp. *betavascularum*)

Pectobacterium polaris

Pseudomonadaceae

Xylella fastidiosa

Phyllobacteriaceae

"*Candidatus Liberibacter solanacearum*" haplotype B

Viroids

*Columnnea latent viroid**

-

*Pepper chat fruit viroid**

-

Potato spindle tuber viroid [transient]

-

*Tomato planta macho viroid**

-

Viruses

*Abutilon mosaic begomovirus**

-

Andean potato latent tymovirus

-

<i>Andean potato mild mosaic tymovirus</i>	-
<i>Andean potato mottle comovirus</i>	-
<i>Arracacha B nepovirus</i>	-
<i>Beet curly top curtovirus</i>	-
<i>Cassia mild mosaic carlavirus*</i>	-
<i>Eggplant mottled dwarf nucleorhabdovirus</i>	-
<i>Henbane mosaic potyvirus*</i>	-
<i>Papaya mosaic potexvirus</i>	-
<i>Pepino mosaic potexvirus</i>	-
<i>Potato 14R tobamovirus</i>	-
<i>Potato black ringspot nepovirus</i>	-
<i>Potato deforming mosaic begomovirus</i>	-
<i>Potato latent carlavirus</i>	-
<i>Potato mop-top furovirus</i>	-
<i>Potato P carlavirus</i>	-
<i>Potato rough dwarf carlavirus</i>	-
<i>Potato virus H carlavirus</i>	-
<i>Potato virus T trichovirus</i>	-
<i>Potato virus U nepovirus</i>	-
<i>Potato virus V potyvirus</i>	-
<i>Potato virus Y potyvirus</i> [strains not in New Zealand]	-
<i>Potato yellow dwarf nucleorhabdovirus</i>	-
<i>Potato yellow mosaic begomovirus</i>	-
<i>Potato yellow vein crinivirus</i>	-
<i>Potato yellowing ilarvirus</i>	-
<i>Solanum apical leaf curling begomovirus</i>	-
<i>Solanum yellows luteovirus</i>	-
<i>Southern potato latent carlavirus</i>	-
<i>Sowbane mosaic sobemovirus</i>	-
<i>Tobacco necrosis necrovirus</i> [strains not in New Zealand]	-
<i>Tobacco necrotic dwarf luteovirus*</i>	-
<i>Tobacco rattle tobnavirus</i> [strains not in New Zealand]	-
<i>Tobacco streak ilarvirus</i> [strains not in New Zealand]	-
<i>Tomato infectious chlorosis crinivirus</i>	-
<i>Tomato leaf curl begomovirus - Australia*</i>	-
<i>Tomato leaf curl begomovirus - New Delhi</i>	-
<i>Tomato yellow leaf curl begomovirus</i>	-
<i>Tomato yellow mosaic begomovirus</i>	-
<i>Tomato yellow vein streak begomovirus*</i>	-
<i>Wild potato mosaic potyvirus</i>	-

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 perniciusum

smoulder

Sclerotium wakkeri

blackleg

Bacterium

Corynebacteriaceae

Curtobacterium flaccumfaciens pv. *oortii*

yellow pock

Virus

Cymbidium ringspot virus

-

<i>Tobacco rattle virus</i> [strains not in New Zealand]	-
<i>Tomato bushy stunt virus</i>	-
<i>Tomato ringspot virus</i>	-
<i>Tulip grey virus</i> (syn. <i>Tulip severe mosaic virus</i>)	-
<i>Tulip halo necrosis virus</i>	-
<i>Tulip mild mosaic virus</i>	-
<i>Tulip mild mottle mosaic virus</i>	-
<i>Wa tulip virus</i>	-

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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

Pyalidae

Acrobasis vaccinii

cranberry fruitworm

Sphingidae

Paonias astylus

huckleberry sphinx

Tortricidae

Archips rosanus

rose leafroller

Argyrotaenia velutinana

red-banded leafroller

Aroga triangularis

leaf-tier

Cheimophila salicella

European carnation tortrix

Choristoneura hebenstreitella

tortricid

Choristoneura rosaceana

oblique-banded leafroller

Cydia packardii

cherry fruitworm

Dichomeris vacciniella

leaf-tier

<i>Hendecaneura shawiana</i>	blueberry tip borer
<i>Spilonota ocellana</i>	eyespotted bud moth
Thysanoptera	
Thripidae	
<i>Catinathrips similis</i>	thrips
<i>Catinathrips vaccinicola</i>	thrips
<i>Frankliniella bispinosa</i>	flower thrips
<i>Frankliniella tritici</i>	eastern flower thrips
<i>Frankliniella vaccinii</i>	blueberry thrips
<i>Scirtothrips ruthveni</i>	-
<i>Taeniothrips vaccinophilus</i>	thrips
Mite	
Arachnida	
Acarina	
Eriophyidae	
<i>Acalitus vaccinii</i>	blueberry bud mite
Fungus	
Ascomycota	
Diaporthales	
Valsaceae	
<i>Diaporthe vaccinii</i> (anamorph <i>Phomopsis vaccinii</i>)	twig blight
Dothideales	
Botryosphaeriaceae	
<i>Botryosphaeria corticis</i>	cane blight
<i>Botryosphaeria vaccinii</i> (anamorph <i>Phyllosticta elongata</i>)	--
Polystomellaceae	
<i>Dothidella vacciniicola</i>	twig canker
Erysiphales	
Erysiphaceae	
<i>Microsphaera vaccinii</i>	powdery mildew
Hypocreales	
Hypocreaceae	
<i>Calonectria ilicicola</i> (anamorph <i>Cylindrocladium crotalariae</i>)	root and stem rot
Leotiales	
Leotiaceae	
<i>Godronia cassandrae</i> (anamorph <i>Fusicoccum putrefaciens</i>)	foliage spot
<i>Godronia cassandrae</i> f. sp. <i>vaccinii</i>	cane canker
Sclerotiniaceae	
<i>Monilinia baccarum</i>	mummy berry
<i>Monilinia fructigena</i> (anamorph <i>Monilia fructigena</i>)	European brown rot
<i>Monilinia ledi</i>	twig blight
<i>Monilinia megalospora</i>	-
<i>Monilinia oxycocci</i>	-
<i>Monilinia urnula</i>	brown rot
<i>Monilinia vaccinii-corymbosi</i>	brown rot
Phyllachorales	
Phyllachoraceae	
<i>Ophiodothella vaccinii</i>	fly speck leaf spot
Meliolales	
Meliolaceae	
<i>Asteridiella exilis</i>	black mildew
Rhytismatales	
Rhytismataceae	
<i>Lophodermium hypophyllum</i>	-
<i>Lophodermium maculare</i>	leaf spot
<i>Rhytisma vaccinii</i>	tar leaf spot
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	

<i>Armillaria mellea</i> (anamorph <i>Rhizomorpha subcorticalis</i>)	armillaria root rot
<i>Armillaria ostoyae</i>	armillaria root rot
Exobasidiales	
Exobasidiaceae	
<i>Exobasidium maculosum</i>	
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniastraceae	
<i>Pucciniastrum goeppertianum</i>	rust
Oomycota	
Pythiales	
Pythiaceae	
<i>Phytophthora ramorum</i>	sudden oak death disease
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
<i>Dothichiza caroliniana</i>	double leaf spot
<i>Coniothyrium vaccinicola</i>	brand canker
<i>Phoma vaccinii</i>	stem blight
<i>Piggotia vaccinii</i>	leaf spot
<i>Septoria albopunctata</i>	septoria spot
<i>Septoria vaccinii</i>	septoria spot
unknown Coelomycetes	
unknown Coelomycetes	
<i>Gloeosporium minus</i>	leaf spot and stem canker
<i>Leptothyrium conspicuum</i>	fly speck
mitosporic fungi (Hyphomycetes)	
Hyphomycetales	
Moniliaceae	
<i>Gloeocercospora inconspicua</i>	leaf spot
<i>Ramularia vaccinii</i>	leaf spot
unknown Hyphomycetes	
unknown Hyphomycetes	
<i>Aureobasidium vaccinii</i>	twig and leaf blight
Bacterium	
Burkholderiaceae	
<i>Ralstonia pseudosolanacearum</i>	Bacterial wilt
(Formerly <i>Ralstonia solanacearum</i> race 1, <i>Phylotype I</i>)	
Pseudomonadaceae	
<i>Xylella fastidiosa</i>	Pierce's disease
Rhizobiaceae	
<i>Agrobacterium rubi</i>	cane gall
Virus	
<i>Blueberry leaf mottle virus</i>	-
<i>Blueberry red ringspot virus</i> (syn. <i>Cranberry ringspot virus</i>)	-
<i>Blueberry scorch virus</i>	-
<i>Blueberry shock virus</i>	-
<i>Blueberry shoestring virus</i>	-
<i>Peach rosette mosaic virus</i>	-
<i>Tobacco streak virus</i> [strains not in New Zealand]	-
<i>Tomato ringspot virus</i>	-
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 triangularis

leaf-tier

Choristoneura hebenstreitella

tortricid

Choristoneura rosaceana

oblique-banded leafroller

Dichomeris vacciniella

leaf-tier

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*)

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Erysiphales

Erysiphaceae	
<i>Microsphaera vaccinii</i>	powdery mildew
Leotiales	
Leotiaceae	
<i>Godronia cassandrae</i> (anamorph <i>Fusicoccum putrefaciens</i>)	foliage spot
<i>Godronia cassandrae</i> f. sp. <i>vaccinii</i>	cane canker
Sclerotiniaceae	
<i>Monilinia fructigena</i> (anamorph <i>Monilia fructigena</i>)	European brown rot
<i>Monilinia oxycocci</i>	-
Rhytismatales	
Rhytismataceae	
<i>Lophodermium hypophyllum</i>	-
<i>Lophodermium maculare</i>	leaf spot
<i>Lophodermium oxycocci</i>	-
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
<i>Armillaria mellea</i> (anamorph <i>Rhizomorpha subcorticalis</i>)	armillaria root rot
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniastraceae	
<i>Pucciniastrum goeppertianum</i>	rust
Chytridiomycota	
Chytridiales	
Synchytriaceae	
<i>Synchytrium vaccinii</i>	red leaf gall
Mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
<i>Coniothyrium vaccinicola</i>	brand canker
<i>Phoma vaccinii</i>	stem blight
<i>Septoria vaccinii</i>	septoria spot
<i>Strasseria oxycocci</i>	fruit rot
unknown Coelomycetes	
unknown Coelomycetes	
<i>Gloeosporium minus</i>	leaf spot and stem canker
<i>Leptothyrium conspicuum</i>	fly speck
Oomycota	
Pythiales	
Pythiaceae	
<i>Phytophthora ramorum</i>	Sudden Oak Death disease
Bacterium	
Pseudomonadaceae	
<i>Xylella fastidiosa</i>	
Rhizobiaceae	
<i>Agrobacterium rubi</i>	cane gall
Virus	
<i>Blueberry scorch virus</i>	
<i>Blueberry red ringspot virus</i> (syn. <i>Cranberry ringspot virus</i>)	-
<i>Tobacco streak virus</i> [strains not in New Zealand]	-
Phytoplasma	
Cranberry false blossom phytoplasma	-

Vitis regulated pests (actionable)

Insect

Insecta

Coleoptera

Bostrichidae

<i>Amphicerus bicaudatus</i>	apple twig borer
<i>Amphicerus bimaculatus</i>	bostrichid beetle
<i>Amphicerus cornutus</i>	-
<i>Apate congener</i>	-
<i>Apate monachus</i>	black borer
<i>Bostrychopsis jesuita</i>	large auger beetle
<i>Dexicrates robustus</i>	-
<i>Melalgus confertus</i>	branch and twig borer
<i>Micrapate scabrata</i>	-
<i>Neoterius mistax</i>	-
<i>Psoa quadrisignata</i>	-
<i>Schistocerus bimaculatus</i>	grape cane borer
<i>Scobicia declivis</i>	lead cable borer
<i>Xylopertha retusa</i>	wood boring beetle
<i>Xylopsocus gibbicollis</i>	-

Buprestidae

<i>Agrilus marginicollis</i>	flatheaded grape borer

Carabidae

<i>Adoxus obscurus</i> [Animals Biosecurity]	-

Cerambycidae

<i>Acalolepta vastator</i>	-
<i>Cerasphorus albofasciatus</i>	grape trunk borer

Chrysomelidae

<i>Altica chalybaea</i>	grape flea beetle
<i>Altica torquata</i>	grapevine flea beetle
<i>Bromius obscurus</i>	western grape rootworm
<i>Fidia viticida</i>	grape root worm
<i>Glyptoscelis squamulata</i>	grape bud beetle
<i>Haltica</i> spp.	-
<i>Monolepta australis</i>	red-shouldered leaf beetle

Coccinellidae

<i>Coccinella transversoguttata</i> [Animals Biosecurity]	-
<i>Midas pygmaeus</i> [Animals Biosecurity]	-
<i>Nephus reunioni</i> [Animals Biosecurity]	-
<i>Rhyzobius ruficollis</i> [Animals Biosecurity]	-
<i>Stethorus</i> spp. [Animals Biosecurity]	-

Curculionidae

<i>Bustomus setulosus</i>	brown weevil
<i>Craponius inaequalis</i>	grape curculio
<i>Dischista cincna</i>	flower beetle
<i>Eremnus atratus</i>	black weevil
<i>Eremnus cerealis</i>	western province grain worm
<i>Eremnus setulosus</i>	grey weevil
<i>Naupactus xanthographus</i>	fruit tree weevil
<i>Orthorhinus cylindrirostris</i>	elephant weevil
<i>Orthorhinus klugi</i>	immigrant acacia weevil
<i>Otiorhynchus cribricollis</i>	cribrate weevil
<i>Perperus</i> spp.	apple root weevils
<i>Platyaspistes glaucus</i>	-
<i>Platyaspistes venustus</i>	-
<i>Rhigopsis effracta</i>	-
<i>Tanyrhynchus carinatus</i>	bud nibbler

Elateridae

<i>Limonius canus</i>	Pacific Coast wireworm

Meloidae	
<i>Mylabris oculata</i>	-
Scarabaeidae	
<i>Athlia rustica</i>	-
<i>Cotalpa ursina</i>	-
<i>Hoplia callipyge</i>	-
<i>Hoplia pubicollis</i>	-
<i>Macroductylus subspinosus</i>	rose chafer
<i>Pachnoda sinuata</i>	scarab beetle
<i>Popillia japonica</i>	Japanese beetle
<i>Schizonycha</i> sp.	cockchafer
Scolytidae	
<i>Scolytus japonicus</i>	Japanese bark beetle
<i>Xyleborus dispar</i>	ambrosia beetle
<i>Xyleborus semiopacus</i>	black twig borer
Staphylinidae	
<i>Oligota pygmaea</i> [Animals Biosecurity]	-
Tenebrionidae	
<i>Blapstinus</i> sp.	darkling beetle
<i>Coniontis parviceps</i>	-
<i>Metoponium abnorme</i>	-
Diptera	
Cecidomyiidae	
<i>Diadiplosis koebelei</i>	-
Tachinidae	
<i>Ollacheryphe aenea</i> [Animals Biosecurity]	-
<i>Sturmia harrisinae</i> [Animals Biosecurity]	-
<i>Voriella uniseta</i> [Animals Biosecurity]	-
Hemiptera	
Anthocoridae	
<i>Orius</i> sp. [Animals Biosecurity]	-
Coreidae	
<i>Anthocoris</i> sp.	-
<i>Mictis profana</i>	crusader bug
Lygaeidae	
<i>Nysius raphanus</i>	false chinch bug
<i>Nysius vinitor</i>	Rutherglen bug
<i>Oxycarenus arctatus</i>	coon bug
Miridae	
<i>Creontiades dilutus</i>	green mirid
Pentatomidae	
<i>Euschistus conspersus</i>	stink bug
<i>Oechalia schellenbergi</i> [Animals Biosecurity]	Schellenberg's soldier bug
Pyrrhocoridae	
<i>Dindymus versicolor</i>	harlequin bug
Homoptera	
Aleyrodidae	
<i>Aleurocanthus woglumi</i>	citrus blackfly
<i>Tetraleurodes vittatus</i>	-
<i>Trialeurodes vittata</i>	grape whitefly
Aphididae	
<i>Aphis illinoisensis</i>	grapevine aphid
<i>Aphis medicaginis</i>	-
Asterolecaniidae	
<i>Asterolecanium pustulans</i>	oleander pit scale
Cerococcidae	
<i>Asterococcus muratae</i>	pit scale
Cicadellidae	
<i>Acia lineatifrons</i>	leafhopper
<i>Carneocephala fulgida</i>	red-headed sharpshooter
<i>Carneocephala fulgida</i> [vector]	red-headed sharpshooter

<i>Dikrella cockerellii</i>	blackberry leafhopper
<i>Draeculacephala minerva</i>	green sharpshooter
<i>Draeculacephala minerva</i> [vector]	green sharpshooter
<i>Empoasca</i> sp.	green leafhopper
<i>Erythroneura comes</i>	eastern grape leafhopper
<i>Erythroneura elegantula</i>	western grape leafhopper
<i>Erythroneura variabilis</i>	variegated grape leafhopper
<i>Erythroneura ziczac</i>	-
<i>Graphocephala atropunctata</i>	leafhopper
<i>Graphocephala atropunctata</i> [vector]	blue-green sharpshooter
<i>Hordnia circellata</i>	-
<i>Scaphoideus titanus</i> [vector]	raspberry leafhopper
Cicadidae	
<i>Platypedia minor</i>	-
<i>Tettigades chilensis</i>	-
Coccidae	
<i>Ceroplastes rusci</i>	fig wax scale
<i>Eulecanium cerasorum</i>	calico scale
<i>Eulecanium prunosum</i>	frosted scale
<i>Heliococcus bohemicus</i>	scale
<i>Parthenolecanium persicae</i>	European peach scale
<i>Pulvinaria betulae</i>	scale
<i>Pulvinaria innumerabilis</i>	cottony maple scale
<i>Pulvinaria vitis</i>	woolly vine scale
Diaspididae	
<i>Aonidiella inornata</i>	inornate scale
<i>Chrysomphalus aonidum</i>	Florida red scale
<i>Diaspidiotus uvae</i>	grape scale
<i>Oceanspidiotus spinosus</i>	armoured scale
<i>Parlatoria cinerea</i>	chaff scale
<i>Parlatoria oleae</i>	olive scale
<i>Pinnaspis strachani</i>	hibiscus snow scale
<i>Pseudaonidia trilobitiformis</i>	trilobite scale
<i>Pseudaulacaspis pentagona</i>	white peach scale
<i>Quadraspidotus juglansregiae</i>	walnut scale
<i>Selenaspis articulatus</i>	West Indian red scale
Margarodidae	
<i>Eurhizococcus brasiliensis</i>	margarodid
<i>Icerya seychellarum</i>	Seychelles scale
<i>Margarodes capensis</i>	Seychelles fluted scale
<i>Margarodes greeni</i>	soft scale
<i>Margarodes meridionalis</i>	-
<i>Margarodes prieskaensis</i>	margarodid
<i>Margarodes trimeni</i>	margarodid
<i>Margarodes vitis</i>	-
<i>Margarodes vredendalensis</i>	margarodid
Membracidae	
<i>Ceresa bubalus</i>	tree hopper
<i>Spissistilus bisonia</i>	-
<i>Spissistilus festinus</i>	three-cornered alfalfa hopper
Phylloxeridae	
<i>Viteus vitifoliae</i> [strain]	grape phylloxera
Pseudococcidae	
<i>Maconellicoccus hirsutus</i>	pink hibiscus mealybug
<i>Planococcus ficus</i>	fig mealybug
<i>Pseudococcus capensis</i>	-
<i>Pseudococcus maritimus</i>	grape mealybug
<i>Rhizoecus kondonis</i>	Kondo mealybug
Hymenoptera	
Aphelinidae	
<i>Coccophagus caridei</i> [Animals Biosecurity]	-

<i>Coccophagus gurneyi</i> [Animals Biosecurity]	-
Bethylidae	
<i>Goniozus platynota</i> [Animals Biosecurity]	-
Braconidae	
<i>Apanteles harrisinae</i> [Animals Biosecurity]	-
<i>Bracon cushmani</i> [Animals Biosecurity]	-
<i>Dolichogenidea tasmanica</i> [Animals Biosecurity]	-
Dryinidae	
<i>Aphelopus albopictus</i> [Animals Biosecurity]	-
Encyrtidae	
<i>Acerophagus notativentris</i> [Animals Biosecurity]	-
<i>Anagyrus clauseni</i> [Animals Biosecurity]	-
<i>Anagyrus fusciventris</i> [Animals Biosecurity]	-
<i>Anagyrus pseudococci</i> [Animals Biosecurity]	-
<i>Leptomastix dactylopii</i> [Animals Biosecurity]	parasitic wasp
<i>Metaphycus flavus</i> [Animals Biosecurity]	-
<i>Pseudaphycus angelicus</i> [Animals Biosecurity]	-
<i>Zarhopalus corvinus</i> [Animals Biosecurity]	-
Eulophidae	
<i>Colpoclypeus florus</i> [Animals Biosecurity]	-
Formicidae	
<i>Anoplolepis steingroeveri</i> [Animals Biosecurity]	black ant
<i>Crematogaster peringueyi</i> [Animals Biosecurity]	cocktail ant
<i>Formica cinerea</i> [Animals Biosecurity]	ant
<i>Pogonomyrmex californica</i> [Animals Biosecurity]	California harvester ant
<i>Solenopsis xyloni</i> [Animals Biosecurity]	southern fire ant
<i>Veromessor pergandei</i> [Animals Biosecurity]	desert seed-harvester ant
Ichneumonidae	
<i>Campoplex capitator</i> [Animals Biosecurity]	-
<i>Dicaelotus inflexus</i> [Animals Biosecurity]	-
Mymaridae	
<i>Anagrus epos</i> [Animals Biosecurity]	-
Pteromalidae	
<i>Ophelosia charlesii</i> [Animals Biosecurity]	-
<i>Pachyneuron</i> sp. [Animals Biosecurity]	-
Trichogrammatidae	
<i>Trichogramma funiculatum</i> [Animals Biosecurity]	-
<i>Trichogrammatomyia tortricis</i> [Animals Biosecurity]	-
Vespidae	
<i>Polistes buysoni</i> [Animals Biosecurity]	-
Isoptera	
Kalotermitidae	
<i>Cryptotermes brevis</i>	West Indian drywood termite
<i>Kalotermes flavicollis</i>	termite
<i>Kalotermes minor</i>	-
<i>Neotermes chilensis</i>	termite
Rhinotermitidae	
<i>Coptotermes acinaciformis</i> [official control]	Australian subterranean termite
<i>Reticulitermes hesperus</i>	-
Termopsidae	
<i>Porotermes quadricollis</i>	-
Lepidoptera	
Agaristidae	
<i>Agarista agricola</i>	painted vine moth
<i>Heraclia superba</i>	grapevine zebra moth
Arctiidae	
<i>Estigmene acrea</i>	saltmarsh caterpillar
<i>Hyphantria cunea</i>	fall webworm
<i>Laora variabilis</i>	-
<i>Spilosoma virginica</i>	yellow woollybear
<i>Turuptiana obliqua</i>	tiger moth

Cossidae	
<i>Coryphodema tristis</i>	quince trunk borer
<i>Zeuzera coffeae</i>	red coffee borer
Heliozelidae	
<i>Antispila rivillei</i>	-
Noctuidae	
<i>Achaea</i> spp.	fruit-piercing moths
<i>Agrotis munda</i>	brown cutworm
<i>Alabama argillacea</i>	cotton leafworm
<i>Anomis mesogona</i>	hibiscus looper
<i>Anomis</i> spp.	-
<i>Calyptra</i> spp.	fruit-piercing moths
<i>Copitarsia consueta</i>	noctuid moth
<i>Eudocima</i> spp.	fruit-piercing moths
<i>Euxoa messoria</i>	darksided cutworm
<i>Euxoa ochrogaster</i>	redbacked cutworm
<i>Helicoverpa punctigera</i>	oriental tobacco budworm
<i>Mythimna</i> sp.	-
<i>Noctua fimbriata</i>	broad-bordered yellow underwing
<i>Noctua pronuba</i>	large yellow underwing
<i>Oraesia</i> spp.	fruit-piercing moths
<i>Orthodes rufula</i>	cutworm
<i>Peridroma margaritosa</i>	-
<i>Peridroma saucia</i>	variegated cutworm
<i>Protorthodes rufula</i>	-
<i>Serodes</i> spp.	fruit-piercing moth
<i>Sphingomorpha</i> spp.	-
<i>Spodoptera littoralis</i>	cotton leafworm
<i>Xestia c-nigrum</i>	spotted cutworm
Oecophoridae	
<i>Echiomima</i> sp.	-
<i>Maroga melanostigma</i>	fruit tree borer
Psychidae	
<i>Gymnelema plebigena</i>	bagworm
Pterophoridae	
<i>Geina periscelidactylus</i>	-
Pyalidae	
<i>Desmia funeralis</i>	grape leaf-folder
<i>Euzophera bigella</i>	quince moth
<i>Ostrinia nubilalis</i>	European corn borer
Saturniidae	
<i>Hemileuca eglanderina</i>	brown day-moth
<i>Hyalophora cecropia</i>	cecropia moth
Sesiidae	
<i>Vitacea polistiformis</i>	grape root borer
Sphingidae	
<i>Eumorpha achemon</i>	achemon sphinx
<i>Hippotion celerio</i>	grapevine hawk moth
<i>Hyles euphorbiae</i>	spurge hawk moth
<i>Hyles lineata</i>	whitelined sphinx
<i>Theretra capensis</i>	grapevine hawk moth
<i>Theretra oldenlandiae</i>	vine hawk moth
Tortricidae	
<i>Archips argyrospilus</i>	fruit tree leafroller
<i>Argyrotaenia citrana</i>	orange tortrix
<i>Argyrotaenia ljugiana</i>	grey red-barred tortrix
<i>Argyrotaenia velutinana</i>	red-banded leafroller
<i>Cryptophlebia leucotreta</i>	false codling moth
<i>Endopiza viteana</i>	-
<i>Eulia stalactitis</i>	-
<i>Eupoecilia ambiguella</i>	vine moth

<i>Lobesia botrana</i>	grape berry moth
<i>Paralobesia viteana</i>	grape berry moth
<i>Platynota stultana</i>	omnivorous leafroller
<i>Proeulia auraria</i>	grapevine leafroller
<i>Proeulia triquetra</i>	-
Zygaenidae	
<i>Harrisina americana</i>	grapeleaf skeletonizer
<i>Harrisina brillians</i>	western grapeleaf skeletonizer
<i>Theresimima ampelophaga</i>	zygaenid butterfly
Neuroptera	
Chrysopidae	
<i>Chrysopa oculata</i> [Animals Biosecurity]	-
<i>Chrysopa</i> spp. [Animals Biosecurity]	-
Coniopterygidae	
<i>Cryptosceneia australiensis</i> [Animals Biosecurity]	-
Hemerobiidae	
<i>Micromus</i> sp. [Animals Biosecurity]	-
Orthoptera	
Acrididae	
<i>Melanoplus femurrubrum</i>	red-legged grasshopper
<i>Melanoplus mexicanus devastator</i>	-
<i>Oedaleonotus enigma</i>	-
<i>Phaulacridium vittatum</i>	wingless grasshopper
<i>Schistocerca cancellata</i>	-
<i>Schistocerca shoshone</i>	-
<i>Schistocerca vaga</i>	-
Gryllidae	
<i>Acheta fulvipennis</i>	cricket
<i>Microgryllus pallipes</i>	cricket
Tettigoniidae	
<i>Caedicia</i> spp.	-
<i>Plangia graminea</i>	grasshopper
Thysanoptera	
Phlaeothripidae	
<i>Haplothrips victoriensis</i>	tubular black thrips
Thripidae	
<i>Caliothrips fasciatus</i>	bean thrip
<i>Drepanothrips reuteri</i>	grape thrips
<i>Frankliniella cestrum</i>	tomato thrips
<i>Frankliniella minuta</i>	minute flower thrips
<i>Frankliniella occidentalis</i> [pesticide resistant strain]	western flower thrips
<i>Heliothrips sylvanus</i>	thrips
<i>Rhipiphorothrips cruentatus</i>	leaf thrips
<i>Scirtothrips citri</i>	citrus thrips
<i>Scolothrips sexmaculatus</i> [Animals Biosecurity]	-
Unknown Insecta	
Unknown Insecta	
<i>Cryptolarynx vitis</i>	-
<i>Dyctineis pulvinosus</i>	-
Mite	
Arachnida	
Acarina	
Anystidae	
<i>Anystis agilis</i> [Animals Biosecurity]	-
Eriophyidae	
<i>Colomerus vitis</i> [leaf curling strain]	grape erineum mite
<i>Phyllocoptes vitis</i>	eriphyid mite
Phytoseiidae	
<i>Amblyseius victoriensis</i> [Animals Biosecurity]	-
<i>Metaseiulus occidentalis</i> [Animals Biosecurity]	-

<i>Neoseiulus chilensis</i> [Animals Biosecurity]	predator mite
<i>Typhlodromus doreenae</i> [Animals Biosecurity]	-
Tenuipalpidae	
<i>Brevipalpus chilensis</i>	false spider mite
<i>Brevipalpus lewisi</i>	bunch mite
<i>Brevipalpus lilium</i>	false spider mite
<i>Brevipalpus obovatus</i>	privet mite
<i>Tenuipalpus granati</i>	false spider mite
Tetranychidae	
<i>Eotetranychus carpini</i>	tetranychid mite
<i>Eotetranychus pruni</i>	hickory scorch mite
<i>Eotetranychus smithi</i>	tetranychid mite
<i>Eotetranychus viticola</i>	tetranychid mite
<i>Eotetranychus willamettei</i>	hazel mite
<i>Eotetranychus yumensis</i>	Yumi spider mite
<i>Eutetranychus orientalis</i>	pear leaf blister mite
<i>Oligonychus coffeae</i>	tea red spider mite
<i>Oligonychus mangiferus</i>	mango spider mite
<i>Oligonychus peruvianus</i>	spider mite
<i>Oligonychus punicae</i>	avocado brown mite
<i>Oligonychus yothersi</i>	avocado red mite
<i>Tetranychus kanzawai</i>	kanzawa mite
<i>Tetranychus mcdanieli</i>	McDaniel spider mite
<i>Tetranychus pacificus</i>	Pacific spider mite
Mollusc	
Gastropoda	
Stylommatophora	
Helicidae	
<i>Cernuella virgata</i>	small banded snails
<i>Cochlicella barbara</i>	small pointed garden snail
<i>Theba pisana</i>	white Italian snail
Fungus	
Ascomycota	
Caliciales	
Unknown Caliciales	
<i>Roesleria pallida</i>	grape root rot
Diaporthales	
Valsaceae	
<i>Diaporthe rudis</i> (anamorph <i>Phomopsis rudis</i>)	phomopsis canker
Dothideales	
Mycosphaerellaceae	
<i>Guignardia bidwellii</i> (anamorph <i>Phyllosticta ampellicida</i>)	black rot
<i>Guignardia bidwellii</i> f. sp. <i>euvtis</i>	-
<i>Guignardia bidwellii</i> f. sp. <i>muscadinii</i>	-
<i>Mycosphaerella angulata</i> (anamorph <i>Cercospora brachypus</i>)	angular leaf spot
Hypocreales	
Hypocreaceae	
<i>Cylindrocarpon destructans</i> var. <i>crassum</i>	root rot
Leotiales	
Dermateaceae	
<i>Pseudopezicula tetraspora</i>	angular leaf scorch
<i>Pseudopezicula tracheiphila</i>	rotbrenner
Sclerotiniaceae	
<i>Grovesinia pyramidalis</i> (anamorph <i>Cristulariella moricola</i>)	target spot
Rhytismatales	
Rhytismataceae	
<i>Rhytisma vitis</i>	tar spot
Saccharomycetales	

Saccharomycetaceae	
<i>Pichia membranaefaciens</i>	-
Unknown Ascomycota	
Hyponectriaceae	
<i>Physalospora baccae</i>	-
Xylariales	
Xylariaceae	
<i>Anthostomella pullulans</i>	Brulure
Basidiomycota: Agaricomycetes	
Hymenochaetales	
Hymenochaetaceae	
<i>Phellinus noxius</i>	brown root rot
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
<i>Armillaria mellea</i> (anamorph <i>Rhizomorpha subcorticalis</i>)	armillaria root rot
<i>Armillaria</i> sp.	armillaria root rot
<i>Armillaria tabescens</i>	armillaria root rot
Ganodermatales	
Ganodermataceae	
<i>Ganoderma lucidum</i> (anamorph <i>Polyporus lucidus</i>)	wood rot
<i>Ganoderma tsugae</i>	-
Poriales	
Coriolaceae	
<i>Bjerkandera adusta</i>	white rot
<i>Bjerkandera fumosa</i>	-
Lentinaceae	
<i>Pleurotus ostreatus</i>	wood decay
Stereales	
Stereaceae	
<i>Stereum</i> sp.	-
Basidiomycota: Teliomycetes	
Uredinales	
Unknown Uredinales	
<i>Physopella ampelopsidis</i>	grape rust
Mitosporic Fungi	
Unknown Mitosporic Fungi	
Unknown Mitosporic Fungi	
<i>Phacellium</i> sp.	-
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
<i>Ascochyta ampelina</i>	leaf spot
<i>Coniella diplodiella</i>	white rot
<i>Coniella petrakii</i>	white rot
<i>Phomopsis longiparaphysata</i>	phomopsis rot
<i>Pyrenochaeta vitis</i>	leaf spot
<i>Septoria ampelina</i>	septoria leaf spot
Unknown Coelomycetes	
Unknown Coelomycetes	
<i>Natrassia toruloidea</i>	leaf spot
<i>Pestalotia menezesiana</i>	fruit rot
<i>Pestalotia pezizoides</i>	fruit and leaf spot
<i>Pestalotiopsis mangiferae</i>	grey leaf spot of mango
<i>Pestalotiopsis uvicola</i>	fruit rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
<i>Alternaria vitis</i>	leaf disease
<i>Phaeoramularia dissiliens</i>	cercospora leaf spot
Moniliaceae	

<i>Cephalosporium</i> sp.	--
<i>Penicillium aurantiogriseum</i>	penicillium rot
<i>Verticillium heterocladium</i>	-
Unknown Hyphomycetes	
Unknown Hyphomycetes	
<i>Briosia ampelophaga</i>	leaf blotch
<i>Candida krusei</i>	yeasty rot
<i>Candida steatolytica</i> [Animals Biosecurity]	-
<i>Oidium</i> sp.	powdery mildew
<i>Paecilomyces farinosus</i>	-
<i>Paecilomyces</i> spp.	-
<i>Phaeoacremonium aleophilum</i>	-
<i>Phaeoisariopsis</i> sp.	-
<i>Stigmata vitis</i>	leaf fall
Bacterium	
Pseudomonadaceae	
<i>Xanthomonas campestris</i> pv. <i>viticola</i>	bacterial canker
<i>Xylella fastidiosa</i>	Pierce's disease
<i>Xylophilus ampelinus</i>	bacterial blight
Rhizobiaceae	
<i>Agrobacterium rubi</i>	cane gall
Virus	
<i>Artichoke Italian latent virus</i>	-
<i>Cherry leaf roll virus</i> [strains not in New Zealand]	-
<i>Grapevine Ajinashika disease virus</i>	-
<i>Grapevine Algerian latent virus</i>	-
<i>Grapevine Anatolian ringspot virus</i>	-
<i>Grapevine angular mosaic virus</i>	-
<i>Grapevine berry inner necrosis virus</i>	-
<i>Grapevine Bulgarian latent virus</i>	-
<i>Grapevine chrome mosaic virus</i>	-
<i>Grapevine deformation virus</i>	-
<i>Grapevine fabavirus</i>	-
<i>Grapevine fanleaf virus</i>	-
<i>Grapevine labile rod-shaped virus</i>	-
<i>Grapevine leafroll-associated virus</i> [type 7]	-
<i>Grapevine leafroll-associated virus 2 red globe</i>	-
<i>Grapevine line pattern virus</i>	-
<i>Grapevine pinot gris virus</i>	-
<i>Grapevine red blotch virus</i>	-
<i>Grapevine stunt virus</i>	-
<i>Grapevine Tunisian ringspot virus</i>	-
<i>Grapevine vein clearing virus</i>	-
<i>Grapevine virus D</i>	-
<i>Grapevine virus E</i>	-
<i>Peach rosette mosaic virus</i>	-
<i>Petunia asteroid mosaic virus</i>	-
<i>Raspberry ringspot virus</i> [strains not in New Zealand]	-
<i>Sowbane mosaic virus</i>	-
<i>Strawberry latent ringspot virus</i> [strains not in New Zealand]	-
<i>Tomato ringspot virus</i>	-
Viroid	
<i>Australian grapevine viroid</i>	-
Phytoplasma	
<i>Australian grapevine yellows phytoplasma</i>	-
<i>Grapevine bois noir phytoplasma</i>	-
<i>Grapevine flavescence doree phytoplasma</i>	-

Grapevine yellows	-
Palatine grapevine yellows	-
Tomato big bud phytoplasma	-
Vergilbungskrankheit (German grapevine yellows)	-

Diseases of unknown aetiology

Syrah decline	-

Draft for
Consultation

Wollemia nobilis regulated pests (actionable)

Fungus

Ascomycota

Dothideales

Botryosphaeriaceae

Botryosphaeria spp. -

Oomycota

Pythiales

Pythiaceae

Phytophthora cinnamomi black rot

Arbuscular mycorrhizae

All regulated species

Ectomycorrhizae

All regulated species

Draft for
Consultation

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	Aporocactus	Blighia
× Cryptbergia	Arabis	Boehmeria (species under L2 (Basic))
× Halimicistus	Arachniodes	Bolusanthus
Abeliophyllum	Araeococcus	Bomarea
Abromeitiella	Aralia (species under L2 (Basic))	Borago
Acanthocalycium	Arequipa	Bossiaea
Acantholimon	Argyroderma	Botrychium
Acanthostachys	Ariocarpus	Bowiea
Acinos	Arisarum	Boykinia
Acleisanthes	Aristolochia	Brachychilum
Acmadenia	Arrojadoa	Brachysema
Acradenia	Artanema	Brachystelma
Actinotus	Arthrocereus	Briggsia
Adelocaryum	Arthropteris	Brocchinia
Adenandra	Arundinaria	Bruckenthalia
Adenia	Ascarina	Brunia
Adonis	Asimina	Brunonia
Adromischus	Asperula	Bulbine
Aeollanthus	Aspidium	Bupleurum
Aeonium	Asteranthera	Burchardia
Aethionema	Astragalus	Bursera
Agapetes	Astroloba	Burtonia
Agastachys	Astroloma	Calectasia
Aglaia	Astrophytum	Calibanus
Aglaomorpha	Athanasia	Calliandra
Alamania	Atherosperma	Callianthemum
Alangium	Athrotaxis	Calophyllum (species under L2 (Basic))
Alberta	Aulax	Calostemma
Albuca	Austrocactus	Canthium
Alkanna	Austrocephalocereus	Caragana
Alluaudia	Avonia	Caralluma
Aloinopsis	Azara	Cardamine
Alphitonia	Azorella	Cardiocrinum
Alyxia	Aztekium	Carduncellus
Amauropelta	Azureocereus	Carissa
Amberboa	Ballota	Carnegiea
Amoreuxia	Baloskion	Carpenteria
Anacampseros	Barbarea	Carpobrotus
Anaphalis	Bauera	Cassiope
Andersonia	Beaumontia	Catananche
Androsace	Belamcanda	Cautleya
Anemia	Bellis	Cavendishia
Anemonella	Berberidopsis	Centaurea
Anemonopsis	Berzelia	Centella
Anisotome	Beschorneria	Cephalocereus
Anogramma	Bijlia	Cerastium
Anopterus	Biscutella	Cercidiphyllum
Antennaria	Bixa	Cerochlamys
Anthericum	Blancoa	Chamaelirium
Antigonon	Blandfordia	
Aphanopetalum		

Chasmanthe	Darlingtonia	Dryas
Cheesemania	Dasyilirion	Drynaria
Cheilanthes	Davidia	Dudleya
Cheiranthra	Decaisnea	Duvalia
Cheiranthus	Decumaria	Eberlanzia
Cheiridopsis	Delonix (species under L2 (Basic))	Echinocereus
Chelone	Dendrocalamus	Echinofossulocactus
Chirita	Dendromecon	Echinomastus
Chlidanthus	Denmoza	Echinopsis
Chorizema	Dennstaedtia	Echites
Christella	Dentaria	Edithcolea
Chrysocoma	Deparia	Edraianthus
Chrysophyllum	Desfontainia	Ehretia
Chrysothemis	Desmodium	Elaeocarpus (species under L2 (Basic))
Cibotium	Deuterocohnia	Embothrium
Cladrastis	Diapensia	Encephalocarpus
Cleistocactus	Diastella	Epacris
Cleyera	Dichopogon	Epiphyllum
Clitoria	Dicranopteris	Epithelantha
Clytostoma	Dictamnus	Erinacea
Cochlospermum	Didierea	Eriophyllum
Codonanthe	Didymaotus	Eriostemon
Coleocephalocereus	Dierama	Eriosyce
Colmanara	Dillenia	Eritrichium
Colquhounia	Dillwynia	Escobaria
Colutea	Dinteranthus	Espostoa
Colvillea	Dionysia	Etlingera
Commersonia	Diosma	Eucryphia
Conophytum	Dipelta	Eulychnia
Conospermum	Diplarrhena	Euptelea
Conradina	Diplazium	Eurya
Copiapoa	Diplolaena	Eutaxia
Corallorrhiza	Diplosoma	Ewartia
Cordia	Dipteranthus	Exchorda
Corethrogyne	Dipteronia	Excoecaria
Corryocactus	Disanthus	Exochorda
Coryphantha	Discocactus	Faradaya
Costus	Diselma	Faucaria
Cotula	Disocactus	Fenestraria
Couroupita	Disphyma	Ferocactus
Crambe	Disteganthus	Filipendula
Crawfurdia	Dodecatheon	Flacourtia
Crinodendron	Dombeya	Fosterella
Crowea	Doodia	Fothergilla
Crucianella	Dorotheanthus	Fouquieria
Ctenitis	Dorstenia	Frailea
Cudrania	Doryanthes	Frankenia
Cunila	Douglasia	Franklinia
Cyananthus	Dovyalis	Fremontodendron
Cyclanthera	Doyerea	Frerea
Cyclosorus	Draba	Freycinetia
Cyrilla	Dracophilus	Frithia
Cyrtomium	Drosanthemum	Furcraea
Cystopteris	Dryandra	Galax
Dampiera		

Galphimia	Houstonia	Lindera
Geissorhiza	Hovea	Lindsaea
Gelsemium	Hovenia	Lithops
Genipa	Huernia	Lithospermum
Gesneria	Huerniopsis	Lloydia
Gibbaeum	Hutchinsia	Lobivia
Gigantochloa	Hybanthus	Loiseleuria
Gillenia	Hydrastis	Lonchocarpus
Glandulicactus	Hylomecon	Loxanthocereus
Glaucidium	Hymenanchera	Lucuma
Gleichenia	Hymenophyllum	Luetkea
Globba	Hypolepis	Luzula
Glottiphyllum	Hypsela	Lycopodiella
Goniolimon	Ibervillea	Lycopodium
Goniophlebium	Iboza	Lygodium
Gonolobus	Incarvillea	Lyonothamnus
Gordonia	Isatis	Lysichiton
Grammitis	Islaya	Lythrum
Graptophyllum	Ismene	Maackia
Greenovia	Isopogon	Macleania
Grewia	Itea	Macleaya
Gunnera	Ixodia	Maclura
Gymnocactus	Jancaea	Macrothelypteris
Gymnocarpium	Jatropha	Maihuenia
Gymnocladus	Jeffersonia	Malaxis
Gynostemma	Johnsonia	Malpighia
Gynura	Jovibarba	Mammillaria
Haageocereus	Juttadinteria	Manfreda
Haberlea	Kalmiopsis	Marattia
Habranthus	Kedrostis	Marianthus
Halesia	Kennedia	Matteuccia
Halgania	Kirengeshoma	Matucana
Hamelia	Kochia	Maytenus
Haplocarpha	Kohleria	Mazus
Harrisia	Kolkwitzia	Meconopsis
Hatiora	Lagarostrobos	Mediobivia
Hechtia	Lagunaria	Melandrium
Hedysarum	Lapageria	Melastoma
Heimia	Lapeirousia	Melicoccus
Helipterum	Lapidaria	Meliosma
Heloniopsis	Larryleachia	Melocactus
Hepatica	Lasiopetalum	Mendoncella
Hereroa	Lastreopsis	Menziesia
Hermannia	Lawsonia	Mertensia
Herniaria	Layia	Mestoklema
Hexadesmia	Lechenaultia	Metasequoia
Hibbertia	Leochilus	Mexicoa
Hippophae	Lepidothamnus	Meyerophytum
Histiopteris	Leptarrhena	Miconia
Holboellia	Leptocereus	Micranthocereus
Holmskioldia	Leptopteris	Microcachrys
Holodiscus	Leuchtenbergia	Microlepia
Homogyne	Leucopogon	Microseris
Hoodia	Leuzea	Microstrobos
Horridocactus	Linaria	Mimetes

Minuartia	Ourisia	Poinciana
Mitchella	Oxylobium	Polygonatum
Mitraria	Oxytropis	Polymeria
Moltkia	Pachycereus	Polyosma
Momordica	Pachyphytum	Polystichum
Monadenium	Pachypodium	Porana
Monanthes	Paesia	Portea
Monilaria	Palisota	Pouteria
Morina	Panax	Pratia
Morinda (species under L2 (Basic))	Pancratium	Prosartes
Moringa	Pandanus	Prostanthera
Morisia	Paranomus	Prunella
Mussaenda Mutisia	Paraquilegia	Pseuderanthemum
Myosotis	Parnassia	Psilotum
Myrrhis	Parodia	Pterocactus
Myrtillocactus	Paronychia	Pterocarya
Nananthus	Parrotiopsis	Ptilotrichum
Nassauvia	Patersonia	Ptilotus
Nautilocalyx	Pavetta	Pultenaea
Navia	Pavonia	Purshia
Neillia	Pectinaria	Puya
Neoalsomitra	Pedilanthus	Pygmaeocereus
Neobuxbaumia	Pediocactus	Pyrola
Neochilenia	Pelecyphora	Pyrrhocactus
Neolitsea	Peniocereus	Pyrrhosia
Neolloydia	Pennantia	Quassia
Neomarica	Pentachondra	Quillaja
Neoporteria	Pentadenia	Ramonda
Neoraimondia	Pereskia	Raoulia
Nivenia	Peristianthus	Rapanea
Nolina	Peristrophe	Ravenala
Nyssa	Persoonia	Rebutia
Oemleria	Petrocoptis	Rehderodendron
Omphalodes	Petrophila	Rehmannia
Omphalogramma	Petrophytum	Reinwardtia
Onoclea	Petteria	Restio
Ononis	Phaedranassa	Rhazya
Onosma	Phaenocoma	Rhodanthe
Onychium	Phebalium	Rhodiola
Oophytum	Phegopteris	Rhodothamnus
Ophioglossum	Philesia	Rhombophyllum
Ophiorrhiza	Phyllica	Rochea
Ophthalmophyllum	Phyllocladus	Rodentiophila
Oreocereus	Phyllodoce	Rodriguezia
Orites	Physostegia	Rondeletia
Orothamnus	Piarranthus	Ronnbergia
Oroya	Picrasma	Roscoea
Ortegocactus	Pigea	Rosularia
Orthrosanthus	Pilosocereus	Rothmannia
Osbeckia	Piptanthus	Rungia
Oscularia	Plectorrhiza	Rupicapnos
Osmaronia	Pleiogynium	Ruschia
Ostrowskia	Pleiospilos	Ruscus
Othonna	Pleurosorus	Sadleria
	Pneumatopteris	Sagina

Salmia	Strophanthus	Vangueria
Sandersonia	Stylidium	Veltheimia
Sanguinaria	Stypandra	Veratrum
Saponaria	Submatucana	Virgilia
Sarcocapnos	Sulcorebutia	Weberbauerocereus
Sarcocaulon	Symphytum	Weingartia
Sarcococca	Symplocos	Weinmannia
Sarcostemma	Synadenium	Wilcoxia
Saxegothaea	Synsepalum	Woodwardia
Schisandra	Tabebuia (species under L2 (Basic)),	Wulfenia
Schizaea	Tabernaemontana	Xanthoceras
Schizophragma	Tacitus	Xanthorrhoea
Schlumbergera	Tamarix	Zieria
Sciadopitys	Tapeinocheilos	
Scirpus	Tavaresia	
Sclerocactus	Tecophilaea	
Scrophularia	Tellima	
Seemannia	Templetonia	
Selaginella	Tephrocactus	
Selago	Ternstroemia	
Selinum	Tetracentron	
Selliera	Thamnocalamus	
Serapias	Thelocactus	
Serissa	Thelypteris	
Serruria	Theodorea	
Setiechinopsis	Thermopsis	
Shortia	Thlaspi	
Skimmia	Thomasia	
Soldanella	Thysanotus	
Sollya	Tipuana	
Sonerila	Titanopsis	
Sorbaria	Tmesipteris	
Sparmannia	Todea	
Spatalla	Tofieldia	
Speirantha	Townsendia	
Sphaeralcea	Trachelium	
Spondias	Trevesia	
Sprengelia	Trichocaulon	
Spyridium	Trichocereus	
Stachyurus	Trichodiadema	
Stackhousia	Trichomanes	
Stapelia	Tripetaleia	
Stapelianthus	Triphasia	
Steganotaenia	Trochodendron	
Stenanthium	Turbina	
Stenocactus	Turbinicarpus	
Stenocarpus (species under L2 (Basic)),	Tylecodon	
Stenomesson	Uebelmannia	
Stephanocereus	Umbilicus	
Sticherus	Urceolina	
Stirlingia	Ursulaea	
Stranvaesia	Uvularia	
Streptopus	Valeriana	
Strombocactus	Vallea	